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

Document number: SD-WM-DP-184

Section 1 **of** 4

Title: Final Report for Tank 241U107 & Push Mode Cores 129 & 134 & 135

Date: 07/26/1996 **Revision:** R001

Originator: Jaiduk J
Co: WHC

Recipient:
Co:

References: ECN-633311

COMPLETE

ENGINEERING CHANGE NOTICE

Page 1 of 2

1. ECN 633311

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 []	Jaiduk Jo, Data Assessment and Interpretation, R2-12, 373-9322	[] Yes [X] No	07/17/96
	5. Project Title/No./Work Order No. Tank 241-U-107	6. Bldg./Sys./Fac. No. 241-U-107	7. Approval Designator Q
	8. Document Numbers Changed by this ECN (includes sheet no. and rev.) WHC-SD-WM-DP-184, Rev. 0	9. Related ECN No(s). N/A	10. Related PO No. N/A

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)	N/A	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)

See attached distribution.

RELEASE STAMP

DATE: JUL 26 1996 HANFORD RELEASE

STA: 16 ID: 16

A-7900-013-2 (11/94) GEF095

ENGINEERING CHANGE NOTICE

1. ECN (use no. from pg. 1): ECN-633311

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
N/A		

20. Approvals

Signature		Date	Signature	Date
OPERATIONS AND ENGINEERING			ARCHITECT-ENGINEER	
Cog. Eng. J. Jo		7-26-96	PE	
Cog. Mgr. J.G. Kristofzski		7-26-96	QA	
QA ~~T.L. Tung~~		7/26/96	Safety	
Safety D.A. Sebelius		7/26/96	Design	
Environ.			Environ.	
Other J. M. Conner		7-26-96	Other	
Production Planning & Control A.D. Rice		7-26-96		
			DEPARTMENT OF ENERGY	
			Signature or a Control Number that tracks the Approval Signature	
			ADDITIONAL	

Final Report for Tank 241-U-107, Push Mode Cores 129, 134 and 135

Jaiduk Jo
Westinghouse Hanford Company, Richland, WA 99352
U.S. Department of Energy Contract DE-AC06-87RL10930

EDT/ECN: ECN-633311 UC: 2070
Org Code: 79400 Charge Code: N4G4C
B&R Code: EW 3120074 Total Pages: 1680

Key Words: Final Report, Tank 241-U-107, Tank U-107, U-107, U Farm, Push Mode, Push, Core 129, Core 134, Core 135

Abstract: N/A

TRADEMARK DISCLAIMER. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof or its contractors or subcontractors.

Printed in the United States of America. To obtain copies of this document, contact: WHC/BCS Document Control Services, P.O. Box 1970, Mailstop H6-08, Richland WA 99352, Phone (509) 372-2420; Fax (509) 376-4989.

Pamela K. Salazar 7/26/96
Release Approval Date

DATE: JUL 26 1996
HANFORD RELEASE
STA: 16 ID: 16
Release Stamp

Approved for Public Release

RECORD OF REVISION

(1) Document Number: WHC-SD-WM-DP-184

(2) Title

Final Report for Tank 241-U-107, Push Mode Cores 129, 134 and 135

CHANGE CONTROL RECORD

(3) Revision	(4) Description of Change - Replace, Add, and Delete Pages	Authorized for Release (5) Cog. Engr.	(6) Cog. Mgr. Date
0	(7) Initially released 06/04/96 on EDT-614792.	J. Jo	J.G. Kristofzski
RS 1	Incorporate per ECN-633311.	J. Jo	J.G. Kristofzski
		[illegible]	[illegible] 7/26/96

A-7320-005 (08/91) WEF168

Westinghouse
Hanford Company

P.O. Box 1970 Richland, WA 99352

WHC-SD-WM-DP-184, REV. 1

ANALYTICAL SERVICES

FINAL REPORT FOR TANK 241-U-107, PUSH MODE CORES 129, 134 AND 135

PROJECT COORDINATOR: JAIDUK JO

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

by

Westinghouse Hanford Company

54-7800-075

Hanford Operations and Engineering Contractor for the US Department of Energy

THIS PAGE WAS INTENTIONALLY LEFT BLANK

TABLE OF CONTENTS

Narrative 1

Sample Data Summary 6

U-107 Statistical Analysis 54

Chain of Custody Forms 57

Photographs 78

Sample Handling 101

Extrusion Worklist # 5652 (610) 103
Extrusion Worklist # 5653 (612) 104
Extrusion Worklist # 5654 (614) 105
Extrusion Worklist # 5655 (611) 106
Extrusion Worklist # 5656 (613) 107
Extrusion Worklist # 5800 (694) 108
Extrusion Worklist # 5854 (775) 109
Extrusion Worklist # 5857 (778) 110
Extrusion Worklist # 5861 (781) 111
Extrusion Worklist # 5863 (782) 112
Extrusion Worklist # 5865 (783) 113
Extrusion Worklist # 5866 (784) 114
Extrusion Worklist # 5867 (785) 115
Extrusion Worklist # 6049 (924) 116
Extrusion Worklist # 7293 (1667) 117
Extrusion Worklist # 7296 (1668) 118
Extrusion Worklist # 7297 (1669) 119
Extrusion Worklist # 7299 (1670) 120
Extrusion Worklist # 7308 (1692) 121
Extrusion Worklist # 6276 Core 129 (665, 682) 122
Extrusion Worklist # 6277 Core 134 (1110, 1119, 1120, 1121) 123
Extrusion Worklist # 8846 Core 135 (1866) 124

Sample Preparations 125

Fusion Digestion Worklist # 5882 (684, 686, 687) 127
Fusion Digestion Worklist # 5883 (1688, 1689) 128
Fusion Digestion Worklist # 6417 (1089, 1090, 1091) 129
Fusion Digestion Worklist # 6418 (1092, 1093, 1094) 130
Fusion Digestion Worklist # 6419 (1095, 1096, 1097, 1132) 131
Fusion Digestion Worklist # 6535 (1153, 1162) 133
Fusion Digestion Worklist # 8092 (1879, 1880, 2136) 134
Fusion Digestion Worklist # 8102 (1868, 2134, 2135) 135

TABLE OF CONTENTS (Continued)

Water Digestion Worklist # 5885 (690, 691) 136
Water Digestion Worklist # 5886 (692, 693) 137
Water Digestion Worklist # 6422 (1071, 1072) 138
Water Digestion Worklist # 6423 (1073, 1074) 139
Water Digestion Worklist # 6425 (1075, 1076) 140
Water Digestion Worklist # 6426 (1077, 1078) 141
Water Digestion Worklist # 6427 (1079, 1129) 142
Water Digestion Worklist # 6537 (1144, 1160) 143
Water Digestion Worklist # 8104 (1875, 1876, 2160, 2288) 144

Acid Digestion Worklist # 5884 (788, 789, 790, 791) 145
Acid Digestion Worklist # 6420 (1080, 1081, 1082, 1083, 1084) . . . 147
Acid Digestion Worklist # 6421 (1085, 1086, 1087, 1088, 1130) . . . 149
Acid Digestion Worklist # 6536 (1152, 1161) 151
Acid Digestion Worklist # 8103 (1877, 1878, 2161) 152
Acid Digestion Worklist # 8209 (2284, 2285, 2286, 2287) 154

Inorganic Analyses 156

Bulk Density Worksheet 158

Specific Gravity Analysis (SpG)
SpG Worklist # 6053 (637) 159
SpG Worklist # 6523 (1107) 166
SpG Worklist # 7984 (1865) 170
SpG Worklist # 8440 (2140, 2141, 2142) 178
SpG Worklist # 8729 (1121) 187

OH Analysis Worklist # 6687 (665, 682) 207
OH Analysis Worklist # 7581 (1110, 1119, 1120, 1121) 214
OH Analysis Worklist # 8426 (2140, 2141, 2142) 224
OH Analysis Worklist # 9008 (1866) 233

pH Analysis Worklist # 6770 (665, 682) 241
pH Analysis Worklist # 7582 (1110, 1119, 1120, 1121) 242
pH Analysis Worklist # 8428 (2140, 2141, 2142) 243
pH Analysis Worklist # 8913 (1866) 244

Ion Chromatograhic Analysis (IC)
IC Worklist # 6322 (690, 691) 245
IC Worklist # 6327 (692, 693) 258
IC Worklist # 6622 (682, 665) 274
IC Worklist # 7493 (1071, 1072) 285
IC Worklist # 7494 (1073, 1074) 300
IC Worklist $ 7495 (1075, 1076) 313
IC Worklist # 7496 (1077, 1078) 326

TABLE OF CONTENTS (Continued)

IC Worklist # 7497 (1079, 1129) 338
IC Worklist # 7498 (1144, 1160) 350
IC Worklist # 7584 (1110, 1120, 1121) 365
IC Worklist # 8329 (2034) 384
IC Worklist # 8351 (1129) 393
IC Worklist # 8400 (1071, 1072) 401
IC Worklist # 8432 (2140, 2141) 411
IC Worklist # 8433 (2142) 423
IC Worklist # 8725 (1875, 1876, 2160) 432
IC Worklist # 8980 (1866) 451
IC Worklist # 9629 (1119) 458
IC Worklist # 9817 (2140, 2141) 472

Inductively Coupled Plasma Spectrograhic Analysis (ICP)
ICP Worklist # 6137 (665, 682) 483
ICP Worklist # 6415 (788, 789, 790, 791) 502
ICP Worklist # 7021 (1110, 1119, 1120. 1121) 510
ICP Worklist # 7526 (1080, 1082, 1083, 1084) 536
ICP Worklist # 7532 (1085, 1086, 1087, 1088, 1130) 565
ICP Worklist # 7533 (1152, 1161) 594
ICP Worklist # 7559 (1866) 614
ICP Worklist # 8115 (2140. 2141, 2142) 620
ICP Worklist # 8713 (1877, 1878, 2161) 627
ICP Worklist # 8934 (2284, 2285, 2286, 2287, 2288) 634

Total Inorganic Carbon/Total Organic Carbon Analysis (TIC/TOC)
TICTOC Worklist # 5889 (644, 647, 650, 653, 1874) 669
TICTOC Worklist # 6486 (1055, 1056) 717
TICTOC Worklist # 6487 (1058, 1057) 740
TICTOC Worklist # 6488 (1064, 1065) 757
TICTOC Worklist # 6489 (1143, 1068) 784
TICTOC Worklist # 6617 (2142) 809
TICTOC Worklist # 6621 (1070, 1059, 1128) 825
TICTOC Worklist # 6688 (665, 2034) 857
TICTOC Worklist # 6777 (1159) 886
TICTOC Worklist # 7583 (1119, 1120, 1121) 899
TICTOC Worklist # 7972 (1873) 933
TICTOC Worklist # 8429 (2140, 2141) 956
TICTOC Worklist # 8950 (1121, 1866, 3487) 984
TICTOC Worklist # 10747 (2133) 1018

Radiochemical Analyses 1037

Total Alpha Analysis (AT)
AT Worklist # 6274 (684, 687) 1039
AT Worklist # 6275 (689) 1048

TABLE OF CONTENTS (Continued)

AT Worklist # 6593 (665, 682) 1056
AT Worklist # 7472 (1092, 1093, 1094) 1066
AT Worklist # 7473 (1095, 1096, 1097, 1132) 1078
AT Worklist # 7537 (1089, 1090) 1092
AT Worklist # 7538 (1153, 1162) 1104
AT Worklist # 7586 (1110, 1119, 1120, 1121) 1114
AT Worklist # 7721 (1091) 1128
AT Worklist # 8416 (2140, 2141, 2142) 1135
AT Worklist # 8653 (1868, 2134, 2135) 1146
AT Worklist # 8654 (1879, 1880, 2136) 1157
AT Worklist # 8936 (1866) 1168

Gamma Energy Analysis (GEA)
GEA Worklist # 8418 (2140, 2141, 2142) 1175
GEA Worklist # 8657 (2134, 2135, 2136) 1211

Strontium 90 Analysis (Sr-90)
Sr-90 Worklist # 6901 (665, 682) 1247
Sr-90 Worklist # 7795 (1119, 1120, 1121) 1255
Sr-90 Worklist # 8417 (2141, 2142) 1265
Sr-90 Worklist # 8611 (2034) 1275
Sr-90 Worklist # 8712 (2140) 1281
Sr-90 Worklist # 9300 -8941 (1866) 1287

Plutonium 239 Analysis (Pu-239)
Pu-239 Worklist # 8424 (2140, 2142) 1324

Part II 45-Day Safety Screening Results for Tank 241-U-107, Push Mode Cores 129, 134 and 135 2-1

Narrative 2-5

Sample Data Summary 2-16

Dome Space Vapor Flammability Data Sheets 2-34

Statistical Analysis 2-43

Inorganic Analyses 2-48

Differential Scanning Calorimetry (DSC)
DSC Worklist # 5892 (644, 647) 2-50
DSC Worklist # 5893 (650, 653) 2-56
DSC Worklist # 6035 (683) 2-62
DSC Worklist # 6511 (1055, 1056) 2-66

TABLE OF CONTENTS (Continued)

DSC Worklist # 6512 (1057, 1058) 2-73
DSC Worklist # 6515 (1064, 1065) 2-81
DSC Worklist # 6516 (1068, 1143) 2-87
DSC Worklist # 6624 (1128) 2-96
DSC Worklist # 6627 (1059, 1070) 2-101
DSC Worklist # 6655 (665, 682) 2-110
DSC Worklist # 6753 (1159) 2-116
DSC Worklist # 7587 (1119, 1120, 1121) 2-120
DSC Worklist # 8025 (1867, 1873) 2-129
DSC Worklist # 8229 (2034) 2-137
DSC Worklist # 8230 (1874) 2-141
DSC Worklist # 8245 (2132) 2-146
DSC Worklist # 8437 (2140, 2141) 2-151
DSC Worklist # 8438 (2142) 2-157
DSC Worklist # 8439 (2133) 2-162
DSC Worklist # 8949 (1866) 2-166
DSC Worklist # 9021 (665, 682, 2140, 1119, 1120, 1121, 2034, 2141, 2142) 2-170
DSC Worklist # 9022 (650, 653, 644, 647, 683, 1055, 1128, 1143, 1159) 2-173
DSC Worklist # 9023 (2131, 1056, 1057, 1058, 1059, 1064, 1065, 1068, 1070) 2-176
DSC Worklist # 9024 (1867, 1873, 1874, 2132, 2133) 2-179
DSC Worklist # 9028 (2131) 2-181
DSC Worklist # 9283 (1866) 2-185

Thermogravimetric Analysis (TGA)
TGA Worklist # 5890 (650, 653) 2-186
TGA Worklist # 5891 (644, 647) 2-192
TGA Worklist # 6027 (683) 2-198
TGA Worklist # 6499 (1055, 1056) 2-202
TGA Worklist # 6500 (1057, 1058) 2-209
TGA Worklist # 6501 (1064, 1065) 2-217
TGA Worklist # 6502 (1068, 1143) 2-223
TGA Worklist # 6633 (665, 682) 2-231
TGA Worklist # 6648 (1059, 1070) 2-237
TGA Worklist # 6656 (1128) 2-246
TGA Worklist # 6758 (1159) 2-251
TGA Worklist # 7585 (1119, 1120, 1121) 2-257
TGA Worklist # 7908 (1867) 2-266
TGA Worklist # 8037 (1873) 2-270
TGA Worklist # 8223 (2131, 2132) 2-274
TGA Worklist # 8224 (1874) 2-280
TGA Worklist # 8226 (2034) 2-285
TGA Worklist # 8434 (2140, 2141) 2-289

TABLE OF CONTENTS (Continued)

TGA Worklist # 8435 (2142) 2-295
TGA Worklist # 8436 (2133) 2-299
TGA Worklist # 8947 (1866) 2-305

This document consists of two sections

Part I consists of pages 1 through 1357, plus pages 5.1, 77.1, 757.1 and pages ii, 2, 7, 11, 55, 58, 79, 102, 126,157, 1038 and 1055 were intentionally left blank.

Part II consists of pages 2-1 through 2-308, and pages 2-2, 2-6, 2-17, 2-35, 2-44, and 2-49 were intentionally left blank.

NARRATIVE

THIS PAGE WAS INTENTIONALLY LEFT BLANK

FINAL REPORT FOR TANK 241-U-107, PUSH MODE CORES 129, 134 AND 135

SUMMARY

This is the final laboratory report for tank 241-U-107 (U-107), cores 129, 134 and 135. All three core samples underwent safety screening analyses in accordance with the sampling and analysis plan (Raphael 1996)-differential scanning calorimetry (DSC), thermogravimetric analysis (TGA), total alpha analysis, and bulk density measurements. Bromide analysis by ion chromatography (IC) and lithium analysis by inductively coupled plasma atomic emission spectroscopy (ICP) were performed to determine if the samples were contaminated with any lithium bromide solution that was used during sampling. In addition to the core sample analysis, the tank headspace flammability was measured prior to core sampling as required by the SAP and Safety Screening DQO. This final report contains the analysis results requested by the organic data quality objective (DQO), namely the total organic carbon (TOC) results. The analysis results requested by the compatibility DQO is contained in a letter report (Esch, 1995).

None of the data indicate that the tank is "unsafe" when compared to the criteria in the Safety Screening Data Quality Objective (Dukelow et al, 1995). with the exception of the energetic results for two samples (liquid samples). However, there is a high moisture content of greater than 45% in the liquid portion. Also, TOC analysis on these samples indicated negligible fuel content. The one-sided 95-percent confidence intervals for total alpha results are well below the notification limit. Furthermore, the vapor in the tank U-107 dome space is far below the 25% lower flammability limit (LFL) stated in the SAP. Therefore, the results show that this tank may be considered "conditionally" safe.

Water with a lithium bromide tracer, was used to soften the waste when pushing with 1900 lb down force could not penetrate the layer. However, no lithium bromide solution blank was taken. The lithium bromide solution blank data from tank B-204 sampling event is used for comparison. The results indicates very small amounts of contamination in some samples and large amounts of contamination in other samples by the lithium bromide solution. Most of the samples with large amounts of contamination had lithium bromide solution added to soften the waste.

SCOPE

This document serves as the final report deliverable for the tank 241-U-107 core samples collected between February 6 and March 18, 1996. Each sample was received, extruded, and analyzed by the 222-S Laboratory in accordance with the SAP (Jo 1996b).

This report includes the safety screening results (tank headspace flammability, DSC, TGA, total alpha, and bulk density or specific gravity) and the IC, ICP, and TOC results. As the final report, the following are also included: chain of custody forms; photographs of extruded segments; bulk

density worksheets; and worklists for extrusion, sample preparation, total alpha, specific gravity, IC, ICP, and TOC. Worklists for DSC and TGA were provided in the 45-day report (Jo 1996a). A copy of the 45-day report is provided as Part II of this final report.

SAMPLE RECEIPT AND EXTRUSION

A description of the sample receipt and extrusion is contained in the 45-day report (Jo 1996a). The chain of custody forms, photographs of the extruded segments, and extrusion worklists are provided in this report. Details of the extrusion and subsampling are provided in the hot cell logbook for tank U-107 (Fuller 1996).

TANK HEADSPACE FLAMMABILITY

A description of the tank headspace flammability and other headspace measurements taken in tank U-107 prior to core sampling is provided in the 45-day report (Jo 1996a). The combustible gas meter readings were between 0 to 4 percent of the LFL, indicating no flammability concerns with this tank. Other measurements made were oxygen (20.8 to 21.1 percent), total organic vapors (14 to 75 parts per million (ppm)), and ammonia (400 to 600 ppm).

The vapor in the tank headspace above the waste is safe from a self-propagating chemical reaction (safe from flame or explosion) but is dangerous to breathe. Ammonia concentration is at the threshold (300 ppm) considered by the National Institute of Safety and Health to be "immediately dangerous to life or health." However, the ammonia concentration is 0 ppm at the breather filter and it is not dangerous for the workers to breathe.

ANALYTICAL RESULTS

The results of all analyses performed on the tank U-107 push samples are provided in the Sample Data Summary tables. Analytical results for DSC, TGA, and total alpha were discussed in the 45-day report (Jo 1996a). TOC, IC, and ICP analyses results are also discussed below.

Total Organic Carbon (TOC)

TOC analyses were performed by using procedure LA-342-100 Rev. C-0. The results for sludge samples ranged from 516 μg/g to 16,085 μg/g (dry weight basis). For the drainable liquid samples, the TOC values ranged from 6022 μg/ml to 13,682 μg/ml. The results show that the TOC concentration is well below the action limit of 30,000 μg/g (dry weight basis). All RPDs, spike recoveries, and standard recoveries for the TOC were within the limits required by the SAP.

The upper limit of a one-sided 95% Confidence Interval were calculated (see attachment). The upper limit of the 95% Confidence Intervals were 555 to 20,395 μg/g (dry weight basis) for drainable liquid and sludge samples.

Standards run with the samples had recoveries which fell within the required range of 80 to 120 percent for all of the samples. RPDs between the sample and duplicate sample analyses were below 20 percent for all but two of the samples. The RPDs for these two samples were 32.2 and 33.4 percent. Triplicate analyses were run and the resulting RPDs between duplicate and triplicate were less than 10%.

TIC analysis was also done for the samples. This additional analysis was not required by the Safety Screening DQO. However, since these data are generated when the TOC analysis is performed, the SAP requested that the results be reported.

Bromide by IC

Bromide analyses were performed by IC using procedure LA-533-105, Rev. D-1. Solid samples were prepared by a water digestion prior to the IC analysis; the water digestion was performed using procedure LA-504-101, Rev. D-0. The lithium bromide solution sample from B-204 sampling event (lithium bromide solution blank was not collected for U-107 sampling event) had an average bromide concentration of 2.72E+04 µg/ml. Results indicate that the samples for core 134, segment 6A (sample numbers S96T001079, S96T001120, and S96T001121) consist almost entirely of lithium bromide solution. Liner liquid from all three samples was contaminated with lithium bromide solution. Other results showed less than 10% of bromide, indicating very little contamination of the samples by the lithium bromide solution. All RPDs, spike recoveries, and standard recoveries for the bromide analyses were within the limits required by the SAP.

Nitrite, nitrate, sulfate, phosphate, fluoride, chloride, and oxalate results are also reported for the samples. These additional analyses were not required by the Safety Screening DQO. However, since these data are generated when the IC analysis is performed, the SAP requested that the results be reported.

Lithium by ICP

Lithium analyses were performed by ICP using procedure LA-505-151, Rev. D-3 or LA-505-161, Rev. B-0. Solid samples were prepared by acid digestion prior to the ICP analysis; the acid digestion was performed using procedure LA-505-159, Rev. C-0. The lithium bromide solution sample (from B-204 sampling event) had an average lithium concentration of 1.98E+03 µg/ml. Like the bromide results, the samples for core 134, segment 6A (sample numbers S96T001079, S96T001120, and S96T001121) consist almost entirely of lithium bromide solution. Liner liquid from all three samples were contaminated with lithium bromide solution. All the solid sample results were less than 100 µg/g value with an exception of core 134, segment 6A as mentioned above. Therefore, no adjustments were made for the TGA results. All standard recoveries were within the limits required by the SAP with one exception of 84%. Spike recoveries for three of the samples (67.9 to 77.0 %) were outside the range specified by the SAP. RPDs for all of the samples were below 15 percent as required by the SAP with one exception (69.4 %)

Results for other ICP elements are also reported for the samples. These additional analyses were not required by the Safety Screening DQO. However, since these data are generated when the ICP analysis is performed, the SAP requested that the results be reported.

Project Coordinator: Jaiduk Jo

REFERENCES

Dukelow, G. T., J. W. Hunt, H. Babad, and J. E. Meacham, 1995, *Tank Safety Screening Data Quality Objective*, WHC-SD-WM-SP-004, Rev. 2, Westinghouse Hanford Company, Richland, Washington.

Esch, R. A., 1995, *Waste Compatibility Results for 241-U-107 Grab Samples"*, Internal Memo, 8E480-95-027, Westinghouse Hanford Company, Richland, Washington.

Fuller, R. K., 1996, *Tank 241-U-107*, WHC-N-1007, Westinghouse Hanford Company, Richland, Washington.

Jo, J., 1996a, *45-Day Safety Screening Results for Tank 241-U-107, Push Mode Cores 129, 134 and 135*, WHC-SD-WM-DP-184, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Jo, J., 1996b, *Tank 241-U-107 Push Mode Core Sampling and Analysis Plan*, WHC-SD-WM-TSAP-076, Rev. OB, Westinghouse Hanford Company, Richland, Washington.

SAMPLE DATA SUMMARY

THIS PAGE WAS INTENTIONALLY LEFT BLANK

U-107 Final Report
U-107

CORE NUMBER: 129
SEGMENT #: 3R

SEGMENT PORTION: U Upper Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001140			Bulk Density of Sample	g/mL	n/a	n/a	1.360	n/a	n/a	n/a	n/a	5.00e-01	n/a
S96T001143			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001143			DSC Exotherm on Perkin Elmer	Joules/g	92.86	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001143			% Water by TGA on Perkin Elmer	%	99.41	n/a	4.960	6.360	5.660	24.7	n/a	n/a	n/a
S96T001143			TIC by Acid/Coulometry	ug/g	99.34	2.100	1.57e+03	1.65e+03	1.61e+03	4.97	96.50	5.000	n/a
S96T001143			TOC by Persulfate/Coulometry	ug/g	102.3	9.300	9.21e+02	843.0	882.0	8.84	89.10	40.00	n/a
S96T001144		W	Fluoride-IC-Dionex 4000i/4500	ug/g	98.31	<1.30e-02	<2.36e+02	<2.31e2	n/a	n/a	96.10	235.5	n/a
S96T001144		W	Chloride-IC-Dionex 4000i/4500	ug/g	94.81	<1.70e-02	2.35e+03	1.54e+03	1.95e+03	41.6	86.96	308.0	n/a
S96T001144		W	Nitrite-IC - Dionex 4000i/4500	ug/g	98.70	<1.07e-01	1.69e+04	1.80e+04	1.74e+04	6.30	95.74	1.94e+03	n/a
S96T001144		W	Bromide by Ion Chromatograph	ug/g	96.87	<1.26e-01	<2.28e+03	<2.24e3	n/a	n/a	93.57	2.28e+03	n/a
S96T001144		W	Nitrate by IC-Dionex4000i/4500	ug/g	98.05	<1.40e-01	6.71e+05	6.72e+05	6.72e+05	0.15	64.50	2.54e+03	n/a
S96T001144		W	Phosphate-IC-Dionex 4000i/4500	ug/g	93.41	<1.19e-01	<2.15e+03	7.57e+03	n/a	n/a	91.76	2.15e+03	n/a
S96T001144		W	Sulfate by IC-Dionex4000i/4500	ug/g	96.99	<1.36e-01	5.91e+03	5.72e+03	5.82e+03	3.27	90.97	2.46e+03	n/a
S96T001144		W	Oxalate by IC - Dionex 4000i	ug/g	101.6	<1.05e-01	2.44e+03	2.52e+03	2.48e+03	3.23	97.61	1.90e+03	n/a
S96T001152		A	Silver -ICP-Acid Digest	ug/g	94.30	<1.00e-02	15.90	14.70	15.30	7.84	89.50	5.590	n/a
S96T001152		A	Aluminium -ICP-Acid Digest	ug/g	95.80	1.27e-01	3.18e+03	3.04e+03	3.11e+03	4.50	156.8	27.90	n/a
S96T001152		A	Arsenic -ICP-Acid Digest	ug/g	97.80	<1.00e-01	< 55.90	<5.08e1	n/a	n/a	91.00	55.90	n/a
S96T001152		A	Boron -ICP-Acid Digest	ug/g	109.4	6.85e-01	28.90	44.80	36.85	43.1	96.70	27.90	n/a
S96T001152		A	Barium -ICP-Acid Digest	ug/g	96.60	<5.00e-02	< 27.90	<2.54e1	n/a	n/a	87.40	27.90	n/a
S96T001152		A	Beryllium -ICP-Acid Digest	ug/g	108.0	<5.00e-03	< 2.790	<2.54e0	n/a	n/a	90.00	2.790	n/a
S96T001152		A	Bismuth -ICP-Acid Digest	ug/g	94.60	<1.00e-01	< 55.90	<5.08e1	n/a	n/a	87.60	55.90	n/a
S96T001152		A	Calcium -ICP-Acid Digest	ug/g	96.60	1.34e-01	1.38e+02	184.0	161.0	28.6	88.80	55.90	n/a
S96T001152		A	Cadmium -ICP-Acid Digest	ug/g	94.20	<5.00e-03	< 2.790	<2.54e0	n/a	n/a	86.80	2.790	n/a
S96T001152		A	Cerium -ICP-Acid Digest	ug/g	100.2	<1.00e-01	< 55.90	<5.08e1	n/a	n/a	91.60	55.90	n/a
S96T001152		A	Cobalt -ICP-Acid Digest	ug/g	96.40	<2.00e-02	< 11.20	<1.02e1	n/a	n/a	88.20	11.20	n/a
S96T001152		A	Chromium -ICP-Acid Digest	ug/g	95.00	<1.00e-02	5.68e+02	560.0	564.0	1.42	101.2	5.590	n/a
S96T001152		A	Copper -ICP-Acid Digest	ug/g	95.60	1.80e-02	< 5.590	<5.08e0	n/a	n/a	87.00	5.590	n/a
S96T001152		A	Iron -ICP-Acid Digest	ug/g	95.00	5.30e-02	80.30	76.60	78.45	4.72	87.98	27.90	n/a
S96T001152		A	Potassium -ICP-Acid Digest	ug/g	99.80	<5.00e-01	6.41e+02	525.0	583.0	19.9	79.14	279.0	n/a
S96T001152		A	Lanthanum -ICP-Acid Digest	ug/g	97.60	<5.00e-02	< 27.90	<2.54e1	n/a	n/a	89.20	27.90	n/a
S96T001152		A	Lithium -ICP-Acid Digest	ug/g	97.40	<1.00e-02	< 5.590	<5.08e0	n/a	n/a	90.20	5.590	n/a
S96T001152		A	Magnesium -ICP-Acid Digest	ug/g	90.80	<1.00e-01	< 55.90	<5.08e1	n/a	n/a	84.60	55.90	n/a
S96T001152		A	Manganese -ICP-Acid Digest	ug/g	92.80	<1.00e-02	29.80	27.30	28.55	8.76	84.00	5.590	n/a
S96T001152		A	Molybdenum -ICP-Acid Digest	ug/g	93.60	<5.00e-02	< 27.90	<2.54e1	n/a	n/a	91.80	27.90	n/a
S96T001152		A	Sodium -ICP-Acid Digest	ug/g	118.0	1.080	2.08e+05	2.03e+05	2.06e+05	2.43	2.47e+03	55.90	n/a
S96T001152		A	Neodymium -ICP-Acid Digest	ug/g	97.00	<1.00e-01	< 55.90	<5.08e1	n/a	n/a	88.80	55.90	n/a
S96T001152		A	Nickel -ICP-Acid Digest	ug/g	97.20	<2.00e-02	< 11.20	<1.02e1	n/a	n/a	89.20	11.20	n/a
S96T001152		A	Phosphorus -ICP-Acid Digest	ug/g	97.60	<2.00e-01	4.34e+02	392.0	413.0	10.2	157.4	112.0	n/a
S96T001152		A	Lead -ICP-Acid Digest	ug/g	91.40	<1.00e-01	< 55.90	<5.08e1	n/a	n/a	85.60	55.90	n/a
S96T001152		A	Sulfur -ICP-Acid Digest	ug/g	95.00	<1.00e-01	4.56e+02	431.0	443.5	5.64	94.38	55.90	n/a
S96T001152		A	Antimony -ICP-Acid Digest	ug/g	94.40	<6.00e-02	< 33.50	<3.05e1	n/a	n/a	103.8	33.50	n/a
S96T001152		A	Selenium -ICP-Acid Digest	ug/g	91.60	<1.00e-01	< 55.90	<5.08e1	n/a	n/a	84.60	55.90	n/a
S96T001152		A	Silicon -ICP-Acid Digest	ug/g	120.6	7.64e-01	1.64e+02	184.0	174.0	11.5	80.00	27.90	n/a

WHC-SD-WM-ER-184, REV. 1
~~Whole Core Composite~~ 14, REV.
7/11/96

Sample# R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001152	A	Samarium -ICP-Acid Digest	ug/g	95.20	<1.00e-01	< 55.90	<5.08e1	n/a	n/a	86.40	55.90	n/a
S96T001152	A	Strontium -ICP-Acid Digest	ug/g	95.60	<1.00e-02	< 5.590	<5.08e0	n/a	n/a	86.80	5.590	n/a
S96T001152	A	Titanium-ICP-Acid Digest	ug/g	86.80	<1.00e-02	< 5.590	<5.08e0	n/a	n/a	91.20	5.590	n/a
S96T001152	A	Thallium -ICP-Acid Digest	ug/g	90.00	<2.00e-01	<1.12e+02	<1.02e2	n/a	n/a	82.80	112.0	n/a
S96T001152	A	Uranium -ICP-Acid Digest	ug/g	93.00	<5.00e-01	<2.79e+02	<2.54e2	n/a	n/a	84.90	279.0	n/a
S96T001152	A	Vanadium -ICP-Acid Digest	ug/g	94.00	<5.00e-02	< 27.90	<2.54e1	n/a	n/a	85.80	27.90	n/a
S96T001152	A	Zinc -ICP-Acid Digest	ug/g	91.80	<1.00e-02	13.50	41.30	27.40	101	86.36	5.590	n/a
S96T001152	A	Zirconium -ICP-Acid Digest	ug/g	96.20	<1.00e-02	< 5.590	<5.08e0	n/a	n/a	119.8	5.590	n/a
S96T001153		Alpha of Digested Solid	uCi/g	98.44	<1.45e-03	4.64e-02	3.22e-02	3.93e-02	36.1	73.82	4.00e-03	1.75E+01

~~WHC-SD-WM-DP-184, REV.~~
WHC-SD-WM-DP-184, ~~REV.~~

WHC-SD-WM-DP-184, REV. 1

9

U-107 Final Report
U-107

CORE NUMBER: 129
SEGMENT #: 1

SEGMENT PORTION: L Lower Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T000683			DSC Exotherm using Mettler	Joules/g	108.6	n/a	12.40	11.40	11.90	8.40	n/a	n/a	n/a
S96T000683			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	15.30	14.07	14.69	8.38	n/a	n/a	n/a
S96T000683			% Water by TGA using Mettler	%	102.3	n/a	18.52	19.37	18.95	4.49	n/a	n/a	n/a
S96T000684		F	Alpha of Digested Solid	uCi/g	104.6	2.00e-03	2.43e-03	<5.12E-3	n/a	n/a	92.60	4.00e-03	1.06E+02

Drainable Liquid: Drainable Liquid

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T000637			Specific Gravity	Sp.G.	98.24	n/a	1.381	n/a	n/a	n/a	n/a	1.00e-03	n/a
S96T000665			DSC Exotherm using Mettler	Joules/g	105.8	n/a	54.80	53.70	54.25	2.03	n/a	n/a	n/a
S96T000665			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	1.17e+02	114.8	116.0	2.07	n/a	n/a	n/a
S96T000665			OH- by Pot. Titration	ug/mL	96.39	<42.00	2.75e+04	2.91e+04	2.83e+04	5.65	n/a	2.50e+03	n/a
S96T000665			pH Direct	pH	n/a	n/a	13.92	13.89	13.91	0.22	n/a	1.00e-02	n/a
S96T000665			% Water by TGA using Mettler	%	99.61	n/a	51.94	54.51	53.22	4.83	n/a	n/a	n/a
S96T000665			TIC by Acid/Coulometry	ug/mL	101.5	2.000	4.67e+03	4.77e+03	4.72e+03	2.12	102.0	5.000	n/a
S96T000665			TOC by Persulfate/Coulometry	ug/mL	94.67	5.700	3.09e+03	3.15e+03	3.12e+03	1.92	98.30	40.00	n/a
S96T000665			Strontium-89/90 High Level	uCi/mL	99.19	<2.67e-05	4.57e-01	4.57e-01	4.57e-01	0.00	n/a	4.47e-05	3.11E-01
S96T000665		D	Silver-ICP-Acid Dil.	ug/mL	98.80	<1.00e-02	< 10.00	<1.00e1	n/a	n/a	93.30	10.00	n/a
S96T000665		D	Aluminium-ICP-Acid Dil.	ug/mL	97.60	<5.00e-02	2.49e+04	2.38e+04	2.44e+04	4.52	n/a	50.10	n/a
S96T000665		D	Arsenic-ICP-Acid Dil.	ug/mL	101.4	<1.00e-01	<1.00e+02	<1.00e2	n/a	n/a	103.9	100.0	n/a
S96T000665		D	Boron-ICP-Acid Dil.	ug/mL	100.8	<5.00e-02	68.70	64.30	66.50	6.62	99.00	50.10	n/a
S96T000665		D	Barium-ICP-Acid Dil.	ug/mL	100.2	<5.00e-02	< 50.00	<5.00e1	n/a	n/a	101.9	50.10	n/a
S96T000665		D	Beryllium-ICP-Acid Dil.	ug/mL	104.2	<5.00e-03	< 5.000	<5.00e0	n/a	n/a	104.9	5.000	n/a
S96T000665		D	Bismuth-ICP-Acid Dil.	ug/mL	100.0	<1.00e-01	<1.00e+02	<1.00e2	n/a	n/a	102.9	100.0	n/a
S96T000665		D	Calcium-ICP-Acid Dil.	ug/mL	102.4	<1.00e-01	1.28e+02	116.0	122.0	9.84	104.1	100.0	n/a
S96T000665		D	Cadmium-ICP-Acid Dil.	ug/mL	100.8	<5.00e-03	< 5.000	<5.00e0	n/a	n/a	102.9	5.000	n/a
S96T000665		D	Cerium-ICP-Acid Dil.	ug/mL	100.8	<1.00e-01	<1.00e+02	<1.00e2	n/a	n/a	100.9	100.0	n/a
S96T000665		D	Cobalt-ICP-Acid Dil.	ug/mL	98.00	<2.00e-02	< 20.00	<2.00e1	n/a	n/a	100.9	20.00	n/a
S96T000665		D	Chromium-ICP-Acid Dil.	ug/mL	100.6	<1.00e-02	8.30e+02	796.0	813.0	4.18	94.90	10.00	n/a
S96T000665		D	Copper-ICP-Acid Dil.	ug/mL	99.40	<1.00e-02	< 10.00	<1.00e1	n/a	n/a	100.9	10.00	n/a
S96T000665		D	Iron-ICP-Acid Dil.	ug/mL	103.0	<5.00e-02	< 50.00	<5.00e1	n/a	n/a	107.9	50.10	n/a
S96T000665		D	Potassium-ICP-Acid Dil.	ug/mL	97.80	<5.00e-01	2.98e+03	2.84e+03	2.91e+03	4.81	74.30	500.0	n/a
S96T000665		D	Lanthanum-ICP-Acid Dil.	ug/mL	101.8	<5.00e-02	< 50.00	<5.00e1	n/a	n/a	103.9	50.10	n/a
S96T000665		D	Lithium-ICP-Acid Dil.	ug/mL	100.4	<1.00e-02	< 10.00	<1.00e1	n/a	n/a	98.00	10.00	n/a
S96T000665		D	Magnesium-ICP-Acid Dil.	ug/mL	98.00	<1.00e-01	<1.00e+02	<1.00e2	n/a	n/a	102.9	100.0	n/a
S96T000665		D	Manganese-ICP-Acid Dil.	ug/mL	100.4	<1.00e-02	< 10.00	<1.00e1	n/a	n/a	102.9	10.00	n/a
S96T000665		D	Molybdenum-ICP-Acid Dil.	ug/mL	97.80	<5.00e-02	91.30	87.40	89.35	4.36	99.80	50.10	n/a
S96T000665		D	Sodium-ICP-Acid Dil.	ug/mL	99.20	<1.00e-01	2.31e+05	2.25e+05	2.28e+05	2.63	n/a	100.0	n/a
S96T000665		D	Neodymium-ICP-Acid Dil.	ug/mL	107.2	<1.00e-01	<1.00e+02	<1.00e2	n/a	n/a	107.9	100.0	n/a
S96T000665		D	Nickel-ICP-Acid Dil.	ug/mL	100.4	<2.00e-02	23.40	20.50	21.95	13.2	101.6	20.00	n/a
S96T000665		D	Phosphorus-ICP-Acid Dil.	ug/mL	99.00	<2.00e-01	1.32e+03	1.22e+03	1.27e+03	7.87	83.60	200.0	n/a
S96T000665		D	Lead-ICP-Acid Dil.	ug/mL	101.4	<1.00e-01	<1.00e+02	<1.00e2	n/a	n/a	103.9	100.0	n/a
S96T000665		D	Sulfer-ICP-Acid Dil.	ug/mL	96.40	<1.00e-01	2.55e+03	2.42e+03	2.48e+03	5.23	75.40	100.0	n/a

THIS PAGE WAS INTENTIONALLY LEFT BLANK

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T000665		D	Antimony-ICP-Acid Dil.	ug/mL	93.60	<6.00e-02	< 60.10	<6.01e1	n/a	n/a	92.30	60.10	n/a
S96T000665		D	Selenium-ICP-Acid Dil.	ug/mL	98.80	<1.00e-01	<1.00e+02	<1.00e2	n/a	n/a	102.9	100.0	n/a
S96T000665		D	Silicon-ICP-Acid Dil.	ug/mL	94.80	<5.00e-02	85.50	77.00	81.25	10.5	99.30	50.10	n/a
S96T000665		D	Samarium-ICP-Acid Dil.	ug/mL	100.6	<1.00e-01	<1.00e+02	<1.00e2	n/a	n/a	99.90	100.0	n/a
S96T000665		D	Strontium-ICP-Acid Dil.	ug/mL	99.80	<1.00e-02	< 10.00	<1.00e1	n/a	n/a	101.9	10.00	n/a
S96T000665		D	Titanium-ICP-Acid Dil.	ug/mL	95.80	<1.00e-02	< 10.00	<1.00e1	n/a	n/a	98.10	10.00	n/a
S96T000665		D	Thallium-ICP-Acid Dil.	ug/mL	97.20	<2.00e-01	<2.00e+02	<2.00e2	n/a	n/a	97.70	200.0	n/a
S96T000665		D	Uranium-ICP-Acid Dil.	ug/mL	93.90	<5.00e-01	<5.00e+02	<5.00e2	n/a	n/a	94.90	500.0	n/a
S96T000665		D	Vanadium-ICP-Acid Dil.	ug/mL	99.60	<5.00e-02	< 50.00	<5.00e1	n/a	n/a	101.9	50.10	n/a
S96T000665		D	Zinc-ICP-Acid Dil.	ug/mL	98.80	<1.00e-02	< 10.00	<1.00e1	n/a	n/a	101.9	10.00	n/a
S96T000665		D	Zirconium-ICP-Acid Dil.	ug/mL	97.60	<1.00e-02	< 10.00	<1.00e1	n/a	n/a	99.70	10.00	n/a
S96T000665			Fluoride-IC-Dionex 4000i/4500	ug/mL	102.9	<1.30e-02	4.58e+02	451.0	454.2	1.54	n/a	53.83	n/a
S96T000665			Chloride-IC-Dionex 4000i/4500	ug/mL	98.35	<1.70e-02	7.20e+03	7.33e+03	7.26e+03	1.79	n/a	70.40	n/a
S96T000665			Nitrite-IC - Dionex 4000i/4500	ug/mL	102.1	<1.07e-01	8.83e+04	8.94e+04	8.88e+04	1.24	n/a	443.1	n/a
S96T000665			Bromide by Ion Chromatograph	ug/mL	99.65	<1.26e-01	<5.22e+02	<5.22e2	n/a	n/a	n/a	521.8	n/a
S96T000665			Nitrate-IC - Dionex 4000i/4500	ug/mL	102.4	<1.40e-01	2.04e+05	2.09e+05	2.06e+05	2.42	n/a	579.7	n/a
S96T000665			Phosphate-IC-Dionex 4000i/4500	ug/mL	98.90	<1.19e-01	3.53e+03	3.74e+03	3.64e+03	5.78	n/a	492.4	n/a
S96T000665			Sulfate by IC-Dionex4000i/4500	ug/mL	101.1	<1.36e-01	5.94e+03	6.18e+03	6.06e+03	3.96	n/a	562.8	n/a
S96T000665			Oxalate by IC - Dionex 4000i	ug/mL	103.4	<1.05e-01	5.66e+02	687.0	626.4	19.3	n/a	434.8	n/a
S96T000665			Alpha in Liquid Samples	uCi/mL	98.04	<1.21e-02	<1.72e-02	<1.72E-2	n/a	n/a	95.41	2.50e-02	5.00E+02

U-107 Final Report
U-107

CORE NUMBER: 129
SEGMENT #: 2

SEGMENT PORTION: U Upper Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T000642			Bulk Density of Sample	g/mL	n/a	n/a	1.520	n/a	n/a	n/a	n/a	5.00e-01	n/a
S96T000644			DSC Exotherm using Mettler	Joules/g	105.4	n/a	1.41e+02	132.1	136.6	6.66	n/a	n/a	n/a
S96T000644			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	2.71e+02	253.8	262.6	6.67	n/a	n/a	n/a
S96T000644			% Water by TGA using Mettler	%	100.2	n/a	48.57	47.34	47.95	2.56	n/a	n/a	n/a
S96T000644			TIC by Acid/Coulometry	ug/g	94.52	3.100	3.45e+03	3.39e+03	3.42e+03	1.75	104.0	5.000	n/a
S96T000644			TOC by Persulfate/Coulometry	ug/g	89.67	3.100	4.87e+03	5.01e+03	4.94e+03	2.83	107.0	40.00	n/a
S96T000690		W	Fluoride-IC-Dionex 4000i/4500	ug/g	98.64	<1.30e-02	4.67e+02	416.0	441.5	11.6	71.86	103.9	n/a
S96T000690		W	Chloride-IC-Dionex 4000i/4500	ug/g	94.18	3.30e-02	4.60e+03	4.54e+03	4.57e+03	1.31	92.53	135.8	n/a
S96T000690		W	Nitrite-IC - Dionex 4000i/4500	ug/g	97.77	<1.07e-01	5.15e+04	4.92e+04	5.03e+04	4.57	100.0	854.9	n/a
S96T000690		W	Bromide by Ion Chromatograph	ug/g	96.52	<1.26e-01	<1.01e+03	<1.08e3	n/a	n/a	94.26	1.01e+03	n/a
S96T000690		W	Nitrate by IC-Dionex4000i/4500	ug/g	98.53	<1.40e-01	1.35e+05	1.27e+05	1.31e+05	6.11	106.0	1.12e+03	n/a
S96T000690		W	Phosphate-IC-Dionex 4000i/4500	ug/g	96.70	<1.19e-01	3.21e+04	2.63e+04	2.92e+04	19.9	93.22	949.6	n/a
S96T000690		W	Sulfate by IC-Dionex4000i/4500	ug/g	97.31	<1.36e-01	4.95e+03	5.03e+03	4.99e+03	1.60	94.14	1.09e+03	n/a
S96T000690		W	Oxalate by IC - Dionex 4000i	ug/g	100.6	<1.05e-01	9.87e+03	8.92e+03	9.40e+03	10.1	98.82	838.9	n/a
S96T000788		A	Silver -ICP-Acid Digest	ug/g	94.40	<1.00e-02	13.40	13.20	13.30	1.50	94.20	4.650	n/a
S96T000788		A	Aluminium -ICP-Acid Digest	ug/g	96.20	5.30e-02	2.11e+04	2.09e+04	2.10e+04	0.95	283.5	23.30	n/a
S96T000788		A	Arsenic -ICP-Acid Digest	ug/g	96.80	<1.00e-01	< 46.50	<4.34e1	n/a	n/a	94.20	46.50	n/a
S96T000788		A	Boron -ICP-Acid Digest	ug/g	106.6	1.21e-01	1.73e+02	146.0	159.5	16.9	87.10	23.30	n/a
S96T000788		A	Barium -ICP-Acid Digest	ug/g	99.60	<5.00e-02	< 23.30	<2.17e1	n/a	n/a	98.80	23.30	n/a
S96T000788		A	Beryllium -ICP-Acid Digest	ug/g	107.4	<5.00e-03	< 2.330	<2.17e0	n/a	n/a	98.80	2.330	n/a
S96T000788		A	Bismuth -ICP-Acid Digest	ug/g	94.80	<1.00e-01	48.80	61.40	55.10	22.9	94.80	46.50	n/a
S96T000788		A	Calcium -ICP-Acid Digest	ug/g	106.6	1.80e-01	6.41e+02	689.0	665.0	7.22	94.70	46.50	n/a
S96T000788		A	Cadmium -ICP-Acid Digest	ug/g	93.20	<5.00e-03	12.20	13.10	12.65	7.11	92.94	2.330	n/a
S96T000788		A	Cerium -ICP-Acid Digest	ug/g	103.0	<1.00e-01	< 46.50	<4.34e1	n/a	n/a	103.8	46.50	n/a
S96T000788		A	Cobalt -ICP-Acid Digest	ug/g	96.60	<2.00e-02	< 9.300	<8.67e0	n/a	n/a	95.80	9.300	n/a
S96T000788		A	Chromium -ICP-Acid Digest	ug/g	95.00	<1.00e-02	9.22e+03	9.43e+03	9.32e+03	2.25	123.2	4.650	n/a
S96T000788		A	Copper -ICP-Acid Digest	ug/g	96.60	1.20e-02	13.00	17.80	15.40	31.2	94.28	4.650	n/a
S96T000788		A	Iron -ICP-Acid Digest	ug/g	96.00	1.15e-01	1.34e+03	1.38e+03	1.36e+03	2.94	107.1	23.30	n/a
S96T000788		A	Potassium -ICP-Acid Digest	ug/g	97.60	<5.00e-01	1.62e+03	1.63e+03	1.62e+03	0.62	100.6	233.0	n/a
S96T000788		A	Lanthanum -ICP-Acid Digest	ug/g	100.2	<5.00e-02	< 23.30	<2.17e1	n/a	n/a	100.6	23.30	n/a
S96T000788		A	Lithium -ICP-Acid Digest	ug/g	97.80	<1.00e-02	< 4.650	<4.34e0	n/a	n/a	95.20	4.650	n/a
S96T000788		A	Magnesium -ICP-Acid Digest	ug/g	90.20	<1.00e-01	1.40e+02	136.0	138.0	2.90	88.38	46.50	n/a
S96T000788		A	Manganese -ICP-Acid Digest	ug/g	92.80	<1.00e-02	1.26e+03	1.31e+03	1.28e+03	3.89	103.4	4.650	n/a
S96T000788		A	Molybdenum -ICP-Acid Digest	ug/g	92.40	<5.00e-02	46.40	46.90	46.65	1.07	89.02	23.30	n/a
S96T000788		A	Sodium -ICP-Acid Digest	ug/g	111.0	2.70e-01	1.45e+05	1.44e+05	1.44e+05	0.69	872.1	46.50	n/a
S96T000788		A	Neodymium -ICP-Acid Digest	ug/g	99.40	<1.00e-01	< 46.50	<4.34e1	n/a	n/a	100.6	46.50	n/a
S96T000788		A	Nickel -ICP-Acid Digest	ug/g	95.40	<2.00e-02	83.20	86.90	85.05	4.35	96.04	9.300	n/a
S96T000788		A	Phosphorus -ICP-Acid Digest	ug/g	89.20	<2.00e-01	6.38e+03	5.80e+03	6.09e+03	9.52	61.72	93.00	n/a
S96T000788		A	Lead -ICP-Acid Digest	ug/g	90.80	<1.00e-01	1.57e+02	169.0	163.0	7.36	92.28	46.50	n/a
S96T000788		A	Sulfur -ICP-Acid Digest	ug/g	92.40	<1.00e-01	1.26e+03	1.29e+03	1.28e+03	2.35	97.68	46.50	n/a
S96T000788		A	Antimony -ICP-Acid Digest	ug/g	86.00	<6.00e-02	< 27.90	<2.60e1	n/a	n/a	83.80	27.90	n/a
S96T000788		A	Selenium -ICP-Acid Digest	ug/g	91.00	<1.00e-01	< 46.50	<4.34e1	n/a	n/a	89.00	46.50	n/a
S96T000788		A	Silicon -ICP-Acid Digest	ug/g	136.0	5.20e-02	2.32e+02	245.0	238.5	5.45	89.88	23.30	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T000788		A	Samarium -ICP-Acid Digest	ug/g	97.60	<1.00e-01	< 46.50	<4.34e1	n/a	n/a	96.40	46.50	n/a
S96T000788		A	Strontium -ICP-Acid Digest	ug/g	98.00	<1.00e-02	5.570	5.900	5.735	5.75	96.72	4.650	n/a
S96T000788		A	Titanium-ICP-Acid Digest	ug/g	82.20	<1.00e-02	5.160	5.530	5.345	6.92	78.56	4.650	n/a
S96T000788		A	Thallium -ICP-Acid Digest	ug/g	91.00	<2.00e-01	< 93.00	<8.67e1	n/a	n/a	89.40	93.00	n/a
S96T000788		A	Uranium -ICP-Acid Digest	ug/g	96.60	<5.00e-01	3.15e+02	355.0	335.0	11.9	97.47	233.0	n/a
S96T000788		A	Vanadium -ICP-Acid Digest	ug/g	95.00	<5.00e-02	< 23.30	<2.17e1	n/a	n/a	94.00	23.30	n/a
S96T000788		A	Zinc -ICP-Acid Digest	ug/g	90.40	<1.00e-02	53.50	59.60	56.55	10.8	91.40	4.650	n/a
S96T000788		A	Zirconium -ICP-Acid Digest	ug/g	77.40	<1.00e-02	17.40	18.20	17.80	4.49	67.50	4.650	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%
S96T000645			Bulk Density of Sample	g/mL	n/a	n/a	I.S.	n/a	n/a	n/a	n/a	5.00e-01	n/a
S96T000647			DSC Exotherm using Mettler	Joules/g	105.4	n/a	9.600	8.200	8.900	15.7	n/a	n/a	n/a
S96T000647			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	11.95	10.21	11.08	15.7	n/a	n/a	n/a
S96T000647			% Water by TGA using Mettler	%	100.2	n/a	21.10	18.26	19.68	14.4	n/a	n/a	n/a
S96T000647			TIC by Acid/Coulometry	ug/g	94.52	3.100	2.06e+03	2.31e+03	2.18e+03	11.4	n/a	5.000	n/a
S96T000647			TOC by Persulfate/Coulometry	ug/g	89.67	3.100	1.86e+03	1.97e+03	1.92e+03	5.74	n/a	40.00	n/a
S96T000687		F	Alpha of Digested Solid	uCi/g	104.6	2.00e-03	1.54e-01	1.70e-01	1.62e-01	9.88	n/a	4.00e-03	1.01E+01
S96T000691		W	Fluoride-IC-Dionex 4000i/4500	ug/g	98.64	<1.30e-02	3.00e+02	291.0	295.6	3.05	n/a	184.5	n/a
S96T000691		W	Chloride-IC-Dionex 4000i/4500	ug/g	94.18	3.30e-02	2.07e+03	1.78e+03	1.92e+03	15.1	n/a	241.2	n/a
S96T000691		W	Nitrite-IC - Dionex 4000i/4500	ug/g	97.77	<1.07e-01	2.28e+04	2.04e+04	2.16e+04	11.1	n/a	1.52e+03	n/a
S96T000691		W	Bromide by Ion Chromatograph	ug/g	96.52	<1.26e-01	<1.79e+03	<1.81e3	n/a	n/a	n/a	1.79e+03	n/a
S96T000691		W	Nitrate by IC-Dionex4000i/4500	ug/g	98.53	<1.40e-01	3.18e+05	5.71e+05	4.44e+05	56.9	n/a	1.98e+03	n/a
S96T000691		W	Phosphate-IC-Dionex 4000i/4500	ug/g	96.70	<1.19e-01	7.12e+03	6.96e+03	7.04e+03	2.27	n/a	1.69e+03	n/a
S96T000691		W	Sulfate by IC-Dionex4000i/4500	ug/g	97.31	<1.36e-01	4.65e+03	4.88e+03	4.76e+03	4.83	n/a	1.93e+03	n/a
S96T000691		W	Oxalate by IC - Dionex 4000i	ug/g	100.6	<1.05e-01	2.92e+03	2.78e+03	2.85e+03	4.91	n/a	1.49e+03	n/a
S96T000789		A	Silver -ICP-Acid Digest	ug/g	94.40	<1.00e-02	14.80	14.80	14.80	0.00	n/a	4.540	n/a
S96T000789		A	Aluminium -ICP-Acid Digest	ug/g	96.20	5.30e-02	1.19e+04	1.27e+04	1.23e+04	6.50	n/a	22.70	n/a
S96T000789		A	Arsenic -ICP-Acid Digest	ug/g	96.80	<1.00e-01	< 45.40	<4.74e1	n/a	n/a	n/a	45.40	n/a
S96T000789		A	Boron -ICP-Acid Digest	ug/g	106.6	1.21e-01	1.16e+02	146.0	131.0	22.9	n/a	22.70	n/a
S96T000789		A	Barium -ICP-Acid Digest	ug/g	99.60	<5.00e-02	< 22.70	<2.37e1	n/a	n/a	n/a	22.70	n/a
S96T000789		A	Beryllium -ICP-Acid Digest	ug/g	107.4	<5.00e-03	< 2.270	<2.37e0	n/a	n/a	n/a	2.270	n/a
S96T000789		A	Bismuth -ICP-Acid Digest	ug/g	94.80	<1.00e-01	< 45.40	<4.74e1	n/a	n/a	n/a	45.40	n/a
S96T000789		A	Calcium -ICP-Acid Digest	ug/g	106.6	1.80e-01	6.59e+02	337.0	498.0	64.7	n/a	45.40	n/a
S96T000789		A	Cadmium -ICP-Acid Digest	ug/g	93.20	<5.00e-03	5.610	3.940	4.775	35.0	n/a	2.270	n/a
S96T000789		A	Cerium -ICP-Acid Digest	ug/g	103.0	<1.00e-01	< 45.40	<4.74e1	n/a	n/a	n/a	45.40	n/a
S96T000789		A	Cobalt -ICP-Acid Digest	ug/g	96.60	<2.00e-02	< 9.080	<9.48e0	n/a	n/a	n/a	9.080	n/a
S96T000789		A	Chromium -ICP-Acid Digest	ug/g	95.00	<1.00e-02	3.74e+03	3.12e+03	3.43e+03	18.1	n/a	4.540	n/a
S96T000789		A	Copper -ICP-Acid Digest	ug/g	96.60	1.20e-02	9.530	7.270	8.400	26.9	n/a	4.540	n/a
S96T000789		A	Iron -ICP-Acid Digest	ug/g	96.00	1.15e-01	8.61e+02	692.0	776.5	21.8	n/a	22.70	n/a
S96T000789		A	Potassium -ICP-Acid Digest	ug/g	97.60	<5.00e-01	9.33e+02	714.0	823.5	26.6	n/a	227.0	n/a
S96T000789		A	Lanthanum -ICP-Acid Digest	ug/g	100.2	<5.00e-02	< 22.70	<2.37e1	n/a	n/a	n/a	22.70	n/a
S96T000789		A	Lithium -ICP-Acid Digest	ug/g	97.80	<1.00e-02	< 4.540	<4.74e0	n/a	n/a	n/a	4.540	n/a
S96T000789		A	Magnesium -ICP-Acid Digest	ug/g	90.20	<1.00e-01	71.20	57.00	64.10	22.2	n/a	45.40	n/a
S96T000789		A	Manganese -ICP-Acid Digest	ug/g	92.80	<1.00e-02	6.51e+02	508.0	579.5	24.7	n/a	4.540	n/a
S96T000789		A	Molybdenum -ICP-Acid Digest	ug/g	92.40	<5.00e-02	26.20	<2.37e1	n/a	n/a	n/a	22.70	n/a
S96T000789		A	Sodium -ICP-Acid Digest	ug/g	111.0	2.70e-01	1.86e+05	1.93e+05	1.90e+05	3.69	n/a	45.40	n/a
S96T000789		A	Neodymium -ICP-Acid Digest	ug/g	99.40	<1.00e-01	< 45.40	<4.74e1	n/a	n/a	n/a	45.40	n/a
S96T000789		A	Nickel -ICP-Acid Digest	ug/g	95.40	<2.00e-02	42.90	38.10	40.50	11.9	n/a	9.080	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T000789		A	Phosphorus -ICP-Acid Digest	ug/g	89.20	<2.00e-01	9.26e+02	1.66e+03	1.29e+03	56.8	n/a	90.80	n/a
S96T000789		A	Lead -ICP-Acid Digest	ug/g	90.80	<1.00e-01	94.90	72.70	83.80	26.5	n/a	45.40	n/a
S96T000789		A	Sulfur -ICP-Acid Digest	ug/g	92.40	<1.00e-01	7.47e+02	582.0	664.5	24.8	n/a	45.40	n/a
S96T000789		A	Antimony -ICP-Acid Digest	ug/g	86.00	<6.00e-02	< 27.20	<2.84e1	n/a	n/a	n/a	27.20	n/a
S96T000789		A	Selenium -ICP-Acid Digest	ug/g	91.00	<1.00e-01	< 45.40	<4.74e1	n/a	n/a	n/a	45.40	n/a
S96T000789		A	Silicon -ICP-Acid Digest	ug/g	136.0	5.20e-02	1.64e+02	163.0	163.5	0.61	n/a	22.70	n/a
S96T000789		A	Samarium -ICP-Acid Digest	ug/g	97.60	<1.00e-01	< 45.40	<4.74e1	n/a	n/a	n/a	45.40	n/a
S96T000789		A	Strontium -ICP-Acid Digest	ug/g	98.00	<1.00e-02	< 4.540	<4.74e0	n/a	n/a	n/a	4.540	n/a
S96T000789		A	Titanium-ICP-Acid Digest	ug/g	82.20	<1.00e-02	< 4.540	<4.74e0	n/a	n/a	n/a	4.540	n/a
S96T000789		A	Thallium -ICP-Acid Digest	ug/g	91.00	<2.00e-01	< 90.80	<9.48e1	n/a	n/a	n/a	90.80	n/a
S96T000789		A	Uranium -ICP-Acid Digest	ug/g	96.60	<5.00e-01	<2.27e+02	<2.37e2	n/a	n/a	n/a	227.0	n/a
S96T000789		A	Vanadium -ICP-Acid Digest	ug/g	95.00	<5.00e-02	< 22.70	<2.37e1	n/a	n/a	n/a	22.70	n/a
S96T000789		A	Zinc -ICP-Acid Digest	ug/g	90.40	<1.00e-02	39.00	30.10	34.55	25.8	n/a	4.540	n/a
S96T000789		A	Zirconium -ICP-Acid Digest	ug/g	77.40	<1.00e-02	10.10	10.10	10.10	0.00	n/a	4.540	n/a

Drainable Liquid: Drainable Liquid

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T000641			Specific Gravity	Sp.G.	98.24	n/a	1.435	n/a	n/a	n/a	n/a	1.00e-03	n/a
S96T000682			DSC Exotherm using Mettler	Joules/g	105.8	n/a	65.30	63.70	64.50	2.48	n/a	n/a	n/a
S96T000682			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	1.30e+02	126.6	128.1	2.42	n/a	n/a	n/a
S96T000682			OH- by Pot. Titration	ug/mL	96.39	<42.00	2.50e+04	2.47e+04	2.48e+04	1.21	n/a	2.50e+03	n/a
S96T000682			pH Direct	pH	n/a	n/a	13.90	13.90	13.90	0.00	n/a	1.00e-02	n/a
S96T000682			% Water by TGA using Mettler	%	99.61	n/a	49.79	49.55	49.67	0.48	n/a	n/a	n/a
S96T000682			Strontium-89/90 High Level	uCi/mL	99.19	<2.67e-05	4.08e-01	3.86e-01	3.97e-01	5.54	n/a	4.48e-05	3.29E-01
S96T000682		D	Silver-ICP-Acid Dil.	ug/mL	98.80	<1.00e-02	< 10.00	<1.00e1	n/a	n/a	95.50	10.00	n/a
S96T000682		D	Aluminium-ICP-Acid Dil.	ug/mL	97.60	<5.00e-02	2.25e+04	2.25e+04	2.25e+04	0.00	113.6	50.10	n/a
S96T000682		D	Arsenic-ICP-Acid Dil.	ug/mL	101.4	<1.00e-01	<1.00e+02	<1.00e2	n/a	n/a	103.9	100.0	n/a
S96T000682		D	Boron-ICP-Acid Dil.	ug/mL	100.8	<5.00e-02	67.10	64.80	65.95	3.49	101.2	50.10	n/a
S96T000682		D	Barium-ICP-Acid Dil.	ug/mL	100.2	<5.00e-02	< 50.00	<5.00e1	n/a	n/a	101.9	50.10	n/a
S96T000682		D	Beryllium-ICP-Acid Dil.	ug/mL	104.2	<5.00e-03	< 5.000	<5.00e0	n/a	n/a	104.9	5.000	n/a
S96T000682		D	Bismuth-ICP-Acid Dil.	ug/mL	100.0	<1.00e-01	<1.00e+02	<1.00e2	n/a	n/a	103.9	100.0	n/a
S96T000682		D	Calcium-ICP-Acid Dil.	ug/mL	102.4	<1.00e-01	<1.00e+02	<1.00e2	n/a	n/a	113.9	100.0	n/a
S96T000682		D	Cadmium-ICP-Acid Dil.	ug/mL	100.8	<5.00e-03	< 5.000	<5.00e0	n/a	n/a	102.9	5.000	n/a
S96T000682		D	Cerium-ICP-Acid Dil.	ug/mL	100.8	<1.00e-01	<1.00e+02	<1.00e2	n/a	n/a	98.90	100.0	n/a
S96T000682		D	Cobalt-ICP-Acid Dil.	ug/mL	98.00	<2.00e-02	< 20.00	<2.00e1	n/a	n/a	100.9	20.00	n/a
S96T000682		D	Chromium-ICP-Acid Dil.	ug/mL	100.6	<1.00e-02	7.36e+02	737.0	736.5	0.14	103.3	10.00	n/a
S96T000682		D	Copper-ICP-Acid Dil.	ug/mL	99.40	<1.00e-02	< 10.00	<1.00e1	n/a	n/a	100.9	10.00	n/a
S96T000682		D	Iron-ICP-Acid Dil.	ug/mL	103.0	<5.00e-02	< 50.00	<5.00e1	n/a	n/a	105.9	50.10	n/a
S96T000682		D	Potassium-ICP-Acid Dil.	ug/mL	97.80	<5.00e-01	2.81e+03	2.75e+03	2.78e+03	2.16	93.90	500.0	n/a
S96T000682		D	Lanthanum-ICP-Acid Dil.	ug/mL	101.8	<5.00e-02	< 50.00	<5.00e1	n/a	n/a	104.9	50.10	n/a
S96T000682		D	Lithium-ICP-Acid Dil.	ug/mL	100.4	<1.00e-02	< 10.00	<1.00e1	n/a	n/a	97.30	10.00	n/a
S96T000682		D	Magnesium-ICP-Acid Dil.	ug/mL	98.00	<1.00e-01	<1.00e+02	<1.00e2	n/a	n/a	100.9	100.0	n/a
S96T000682		D	Manganese-ICP-Acid Dil.	ug/mL	100.4	<1.00e-02	< 10.00	<1.00e1	n/a	n/a	103.9	10.00	n/a
S96T000682		D	Molybdenum-ICP-Acid Dil.	ug/mL	97.80	<5.00e-02	85.20	85.70	85.45	0.59	100.4	50.10	n/a
S96T000682		D	Sodium-ICP-Acid Dil.	ug/mL	99.20	<1.00e-01	2.11e+05	2.14e+05	2.12e+05	1.41	674.6	100.0	n/a
S96T000682		D	Neodymium-ICP-Acid Dil.	ug/mL	107.2	<1.00e-01	<1.00e+02	<1.00e2	n/a	n/a	106.9	100.0	n/a
S96T000682		D	Nickel-ICP-Acid Dil.	ug/mL	100.4	<2.00e-02	22.10	<2.00e1	n/a	n/a	102.7	20.00	n/a
S96T000682		D	Phosphorus-ICP-Acid Dil.	ug/mL	99.00	<2.00e-01	9.95e+02	989.0	992.0	0.60	97.40	200.0	n/a
S96T000682		D	Lead-ICP-Acid Dil.	ug/mL	101.4	<1.00e-01	<1.00e+02	<1.00e2	n/a	n/a	103.9	100.0	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T000682		D	Sulfer-ICP-Acid Dil.	ug/mL	96.40	<1.00e-01	2.34e+03	2.33e+03	2.34e+03	0.43	94.60	100.0	n/a
S96T000682		D	Antimony-ICP-Acid Dil.	ug/mL	93.60	<6.00e-02	< 60.10	<6.01e1	n/a	n/a	94.40	60.10	n/a
S96T000682		D	Selenium-ICP-Acid Dil.	ug/mL	98.80	<1.00e-01	<1.00e+02	<1.00e2	n/a	n/a	105.9	100.0	n/a
S96T000682		D	Silicon-ICP-Acid Dil.	ug/mL	94.80	<5.00e-02	84.80	101.0	92.90	17.4	102.4	50.10	n/a
S96T000682		D	Samarium-ICP-Acid Dil.	ug/mL	100.6	<1.00e-01	<1.00e+02	<1.00e2	n/a	n/a	100.9	100.0	n/a
S96T000682		D	Strontium-ICP-Acid Dil.	ug/mL	99.80	<1.00e-02	< 10.00	<1.00e1	n/a	n/a	101.9	10.00	n/a
S96T000682		D	Titanium-ICP-Acid Dil.	ug/mL	95.80	<1.00e-02	< 10.00	<1.00e1	n/a	n/a	98.30	10.00	n/a
S96T000682		D	Thallium-ICP-Acid Dil.	ug/mL	97.20	<2.00e-01	<2.00e+02	<2.00e2	n/a	n/a	99.20	200.0	n/a
S96T000682		D	Uranium-ICP-Acid Dil.	ug/mL	93.90	<5.00e-01	<5.00e+02	<5.00e2	n/a	n/a	98.40	500.0	n/a
S96T000682		D	Vanadium-ICP-Acid Dil.	ug/mL	99.60	<5.00e-02	< 50.00	<5.00e1	n/a	n/a	102.9	50.10	n/a
S96T000682		D	Zinc-ICP-Acid Dil.	ug/mL	98.80	<1.00e-02	27.30	27.40	27.35	0.37	101.2	10.00	n/a
S96T000682		D	Zirconium-ICP-Acid Dil.	ug/mL	97.60	<1.00e-02	< 10.00	<1.00e1	n/a	n/a	99.90	10.00	n/a
S96T000682			Fluoride-IC-Dionex 4000i/4500	ug/mL	102.9	<1.30e-02	4.99e+02	496.0	497.5	0.60	85.25	53.83	n/a
S96T000682			Chloride-IC-Dionex 4000i/4500	ug/mL	98.35	<1.70e-02	7.74e+03	7.67e+03	7.71e+03	0.91	104.4	70.40	n/a
S96T000682			Nitrite-IC - Dionex 4000i/4500	ug/mL	102.1	<1.07e-01	9.40e+04	9.38e+04	9.39e+04	0.21	99.06	443.1	n/a
S96T000682			Bromide by Ion Chromatograph	ug/mL	99.65	<1.26e-01	<5.22e+02	<5.22e2	n/a	n/a	96.52	521.8	n/a
S96T000682			Nitrate-IC - Dionex 4000i/4500	ug/mL	102.4	<1.40e-01	2.21e+05	2.21e+05	2.21e+05	0.00	92.83	579.7	n/a
S96T000682			Phosphate-IC-Dionex 4000i/4500	ug/mL	98.90	<1.19e-01	3.70e+03	3.48e+03	3.59e+03	6.13	97.25	492.4	n/a
S96T000682			Sulfate by IC-Dionex4000i/4500	ug/mL	101.1	<1.36e-01	6.37e+03	6.28e+03	6.33e+03	1.42	97.78	562.8	n/a
S96T000682			Oxalate by IC - Dionex 4000i	ug/mL	103.4	<1.05e-01	5.30e+02	518.0	524.2	2.29	101.2	434.8	n/a
S96T000682			Alpha in Liquid Samples	uCi/mL	98.04	<1.21e-02	<1.09e-02	<1.09E-2	n/a	n/a	n/a	2.50e-02	5.00E+02
S96T000685			Bulk Density of Sample	g/mL	n/a	n/a	1.400	n/a	n/a	n/a	n/a	5.00e-01	n/a
S96T003487			TIC by Acid/Coulometry	ug/mL	100.2	6.00e-01	7.52e+03	7.19e+03	7.36e+03	4.49	n/a	5.000	n/a
S96T003487			TOC by Persulfate/Coulometry	ug/mL	90.00	7.800	4.88e+03	4.82e+03	4.85e+03	1.24	n/a	40.00	n/a

U-107 Final Report
U-107

CORE NUMBER: 129
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%
S96T000648			Bulk Density of Sample	g/mL	n/a	n/a	1.480	n/a	n/a	n/a	n/a	5.00e-01	n/a
S96T000650			DSC Exotherm using Mettler	Joules/g	106.2	n/a	25.50	10.70	18.10	81.8	n/a	n/a	n/a
S96T000650			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	33.78	14.18	23.98	81.7	n/a	n/a	n/a
S96T000650			% Water by TGA using Mettler	%	102.1	n/a	22.19	26.84	24.52	19.0	n/a	n/a	n/a
S96T000650			TIC by Acid/Coulometry	ug/g	94.52	3.100	1.74e+03	1.64e+03	1.69e+03	5.34	n/a	5.000	n/a
S96T000650			TOC by Persulfate/Coulometry	ug/g	89.67	3.100	1.27e+03	1.17e+03	1.22e+03	8.20	n/a	40.00	n/a
S96T000692		W	Fluoride-IC-Dionex 4000i/4500	ug/g	101.9	<1.30e-02	6.52e+02	683.0	667.5	4.64	102.1	161.3	n/a
S96T000692		W	Chloride-IC-Dionex 4000i/4500	ug/g	94.43	6.10e-02	2.24e+03	2.66e+03	2.45e+03	17.1	97.01	210.9	n/a
S96T000692		W	Nitrite-IC - Dionex 4000i/4500	ug/g	100.4	<1.07e-01	2.78e+04	3.18e+04	2.98e+04	13.4	100.7	1.33e+03	n/a
S96T000692		W	Bromide by Ion Chromatograph	ug/g	100.2	<1.26e-01	<1.56e+03	<1.59e3	n/a	n/a	96.25	1.56e+03	n/a
S96T000692		W	Nitrate by IC-Dionex4000i/4500	ug/g	101.6	5.18e-01	5.66e+05	5.27e+05	5.47e+05	7.14	98.15	1.74e+03	n/a
S96T000692		W	Phosphate-IC-Dionex 4000i/4500	ug/g	100.0	<1.20e-01	7.86e+03	8.48e+03	8.17e+03	7.59	90.41	1.49e+03	n/a
S96T000692		W	Sulfate by IC-Dionex4000i/4500	ug/g	101.3	<1.36e-01	6.22e+03	6.41e+03	6.31e+03	3.01	96.77	1.69e+03	n/a
S96T000692		W	Oxalate by IC - Dionex 4000i	ug/g	107.1	<1.05e-01	1.96e+03	<1.33e3	n/a	n/a	104.7	1.30e+03	n/a
S96T000790		A	Silver -ICP-Acid Digest	ug/g	94.40	<1.00e-02	14.50	15.00	14.75	3.39	n/a	4.940	n/a
S96T000790		A	Aluminium -ICP-Acid Digest	ug/g	96.20	5.30e-02	6.37e+03	5.78e+03	6.08e+03	9.71	n/a	24.70	n/a
S96T000790		A	Arsenic -ICP-Acid Digest	ug/g	96.80	<1.00e-01	< 49.40	<4.30e1	n/a	n/a	n/a	49.40	n/a
S96T000790		A	Boron -ICP-Acid Digest	ug/g	106.6	1.21e-01	1.46e+02	117.0	131.5	22.1	n/a	24.70	n/a
S96T000790		A	Barium -ICP-Acid Digest	ug/g	99.60	<5.00e-02	< 24.70	<2.15e1	n/a	n/a	n/a	24.70	n/a
S96T000790		A	Beryllium -ICP-Acid Digest	ug/g	107.4	<5.00e-03	< 2.470	<2.15e0	n/a	n/a	n/a	2.470	n/a
S96T000790		A	Bismuth -ICP-Acid Digest	ug/g	94.80	<1.00e-01	< 49.40	<4.30e1	n/a	n/a	n/a	49.40	n/a
S96T000790		A	Calcium -ICP-Acid Digest	ug/g	106.6	1.80e-01	2.92e+02	424.0	358.0	36.9	n/a	49.40	n/a
S96T000790		A	Cadmium -ICP-Acid Digest	ug/g	93.20	<5.00e-03	< 2.470	<2.15e0	n/a	n/a	n/a	2.470	n/a
S96T000790		A	Cerium -ICP-Acid Digest	ug/g	103.0	<1.00e-01	< 49.40	<4.30e1	n/a	n/a	n/a	49.40	n/a
S96T000790		A	Cobalt -ICP-Acid Digest	ug/g	96.60	<2.00e-02	< 9.880	<8.61e0	n/a	n/a	n/a	9.880	n/a
S96T000790		A	Chromium -ICP-Acid Digest	ug/g	95.00	<1.00e-02	7.15e+02	666.0	690.5	7.10	n/a	4.940	n/a
S96T000790		A	Copper -ICP-Acid Digest	ug/g	96.60	1.20e-02	6.870	<4.30e0	n/a	n/a	n/a	4.940	n/a
S96T000790		A	Iron -ICP-Acid Digest	ug/g	96.00	1.15e-01	1.15e+02	91.30	103.2	23.0	n/a	24.70	n/a
S96T000790		A	Potassium -ICP-Acid Digest	ug/g	97.60	<5.00e-01	9.26e+02	850.0	888.0	8.56	n/a	247.0	n/a
S96T000790		A	Lanthanum -ICP-Acid Digest	ug/g	100.2	<5.00e-02	< 24.70	<2.15e1	n/a	n/a	n/a	24.70	n/a
S96T000790		A	Lithium -ICP-Acid Digest	ug/g	97.80	<1.00e-02	< 4.940	<4.30e0	n/a	n/a	n/a	4.940	n/a
S96T000790		A	Magnesium -ICP-Acid Digest	ug/g	90.20	<1.00e-01	< 49.40	<4.30e1	n/a	n/a	n/a	49.40	n/a
S96T000790		A	Manganese -ICP-Acid Digest	ug/g	92.80	<1.00e-02	34.70	31.90	33.30	8.41	n/a	4.940	n/a
S96T000790		A	Molybdenum -ICP-Acid Digest	ug/g	92.40	<5.00e-02	< 24.70	<2.15e1	n/a	n/a	n/a	24.70	n/a
S96T000790		A	Sodium -ICP-Acid Digest	ug/g	111.0	2.70e-01	1.99e+05	2.06e+05	2.02e+05	3.46	n/a	49.40	n/a
S96T000790		A	Neodymium -ICP-Acid Digest	ug/g	99.40	<1.00e-01	< 49.40	<4.30e1	n/a	n/a	n/a	49.40	n/a
S96T000790		A	Nickel -ICP-Acid Digest	ug/g	95.40	<2.00e-02	< 9.880	<8.61e0	n/a	n/a	n/a	9.880	n/a
S96T000790		A	Phosphorus -ICP-Acid Digest	ug/g	89.20	<2.00e-01	2.97e+02	288.0	292.5	3.08	n/a	98.80	n/a
S96T000790		A	Lead -ICP-Acid Digest	ug/g	90.80	<1.00e-01	< 49.40	<4.30e1	n/a	n/a	n/a	49.40	n/a
S96T000790		A	Sulfur -ICP-Acid Digest	ug/g	92.40	<1.00e-01	7.18e+02	649.0	683.5	10.1	n/a	49.40	n/a
S96T000790		A	Antimony -ICP-Acid Digest	ug/g	86.00	<6.00e-02	< 29.60	<2.58e1	n/a	n/a	n/a	29.60	n/a
S96T000790		A	Selenium -ICP-Acid Digest	ug/g	91.00	<1.00e-01	< 49.40	<4.30e1	n/a	n/a	n/a	49.40	n/a
S96T000790		A	Silicon -ICP-Acid Digest	ug/g	136.0	5.20e-02	70.70	57.60	64.15	20.4	n/a	24.70	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T000790		A	Samarium -ICP-Acid Digest	ug/g	97.60	<1.00e-01	< 49.40	<4.30e1	n/a	n/a	n/a	49.40	n/a
S96T000790		A	Strontium -ICP-Acid Digest	ug/g	98.00	<1.00e-02	< 4.940	<4.30e0	n/a	n/a	n/a	4.940	n/a
S96T000790		A	Titanium-ICP-Acid Digest	ug/g	82.20	<1.00e-02	< 4.940	<4.30e0	n/a	n/a	n/a	4.940	n/a
S96T000790		A	Thallium -ICP-Acid Digest	ug/g	91.00	<2.00e-01	< 98.80	<8.61e1	n/a	n/a	n/a	98.80	n/a
S96T000790		A	Uranium -ICP-Acid Digest	ug/g	96.60	<5.00e-01	<2.47e+02	<2.15e2	n/a	n/a	n/a	247.0	n/a
S96T000790		A	Vanadium -ICP-Acid Digest	ug/g	95.00	<5.00e-02	< 24.70	<2.15e1	n/a	n/a	n/a	24.70	n/a
S96T000790		A	Zinc -ICP-Acid Digest	ug/g	90.40	<1.00e-02	16.20	15.90	16.05	1.87	n/a	4.940	n/a
S96T000790		A	Zirconium -ICP-Acid Digest	ug/g	77.40	<1.00e-02	< 4.940	<4.30e0	n/a	n/a	n/a	4.940	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%
S96T000651			Bulk Density of Sample	g/mL	n/a	n/a	1.460	n/a	n/a	n/a	n/a	5.00e-01	n/a
S96T000653			DSC Exotherm using Mettler	Joules/g	106.2	n/a	13.90	30.00	21.95	73.3	n/a	n/a	n/a
S96T000653			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	16.77	36.19	26.48	73.3	n/a	n/a	n/a
S96T000653			% Water by TGA using Mettler	%	102.1	n/a	16.78	17.43	17.11	3.80	n/a	n/a	n/a
S96T000653			TIC by Acid/Coulometry	ug/g	94.52	3.100	1.56e+03	1.77e+03	1.66e+03	12.6	n/a	5.000	n/a
S96T000653			TOC by Persulfate/Coulometry	ug/g	89.67	3.100	1.37e+03	1.39e+03	1.38e+03	1.45	n/a	40.00	n/a
S96T000689		F	Alpha of Digested Solid	uCi/g	95.42	<5.23e-03	3.36e-02	3.71e-02	3.53e-02	9.90	85.46	6.00e-03	2.36E+01
S96T000693		W	Fluoride-IC-Dionex 4000i/4500	ug/g	101.9	<1.30e-02	<1.68e+02	<1.62e2	n/a	n/a	n/a	167.6	n/a
S96T000693		W	Chloride-IC-Dionex 4000i/4500	ug/g	94.43	6.10e-02	3.73e+03	2.18e+03	2.95e+03	52.5	n/a	219.1	n/a
S96T000693		W	Nitrite-IC - Dionex 4000i/4500	ug/g	100.4	<1.07e-01	2.77e+04	2.70e+04	2.74e+04	2.56	n/a	1.38e+03	n/a
S96T000693		W	Bromide by Ion Chromatograph	ug/g	100.2	<1.26e-01	<1.62e+03	<1.57e3	n/a	n/a	n/a	1.62e+03	n/a
S96T000693		W	Nitrate by IC-Dionex4000i/4500	ug/g	101.6	5.18e-01	5.00e+05	5.43e+05	5.21e+05	8.25	n/a	1.80e+03	n/a
S96T000693		W	Phosphate-IC-Dionex 4000i/4500	ug/g	100.0	<1.20e-01	7.25e+03	6.84e+03	7.05e+03	5.82	n/a	1.54e+03	n/a
S96T000693		W	Sulfate by IC-Dionex4000i/4500	ug/g	101.3	<1.36e-01	6.44e+03	6.01e+03	6.23e+03	6.91	n/a	1.75e+03	n/a
S96T000693		W	Oxalate by IC - Dionex 4000i	ug/g	107.1	<1.05e-01	<1.35e+03	<1.31e3	n/a	n/a	n/a	1.35e+03	n/a
S96T000791		A	Silver -ICP-Acid Digest	ug/g	94.40	<1.00e-02	15.20	15.00	15.10	1.32	n/a	5.110	n/a
S96T000791		A	Aluminium -ICP-Acid Digest	ug/g	96.20	5.30e-02	5.73e+03	5.02e+03	5.38e+03	13.2	n/a	25.60	n/a
S96T000791		A	Arsenic -ICP-Acid Digest	ug/g	96.80	<1.00e-01	< 51.10	<5.04e1	n/a	n/a	n/a	51.10	n/a
S96T000791		A	Boron -ICP-Acid Digest	ug/g	106.6	1.21e-01	1.17e+02	157.0	137.0	29.2	n/a	25.60	n/a
S96T000791		A	Barium -ICP-Acid Digest	ug/g	99.60	<5.00e-02	< 25.50	<2.52e1	n/a	n/a	n/a	25.60	n/a
S96T000791		A	Beryllium -ICP-Acid Digest	ug/g	107.4	<5.00e-03	< 2.550	<2.52e0	n/a	n/a	n/a	2.550	n/a
S96T000791		A	Bismuth -ICP-Acid Digest	ug/g	94.80	<1.00e-01	< 51.10	<5.04e1	n/a	n/a	n/a	51.10	n/a
S96T000791		A	Calcium -ICP-Acid Digest	ug/g	106.6	1.80e-01	3.41e+02	232.0	286.5	38.0	n/a	51.10	n/a
S96T000791		A	Cadmium -ICP-Acid Digest	ug/g	93.20	<5.00e-03	< 2.550	<2.52e0	n/a	n/a	n/a	2.550	n/a
S96T000791		A	Cerium -ICP-Acid Digest	ug/g	103.0	<1.00e-01	< 51.10	<5.04e1	n/a	n/a	n/a	51.10	n/a
S96T000791		A	Cobalt -ICP-Acid Digest	ug/g	96.60	<2.00e-02	< 10.20	<1.01e1	n/a	n/a	n/a	10.20	n/a
S96T000791		A	Chromium -ICP-Acid Digest	ug/g	95.00	<1.00e-02	7.62e+02	686.0	724.0	10.5	n/a	5.110	n/a
S96T000791		A	Copper -ICP-Acid Digest	ug/g	96.60	1.20e-02	< 5.110	<5.04e0	n/a	n/a	n/a	5.110	n/a
S96T000791		A	Iron -ICP-Acid Digest	ug/g	96.00	1.15e-01	1.12e+02	103.0	107.5	8.37	n/a	25.60	n/a
S96T000791		A	Potassium -ICP-Acid Digest	ug/g	97.60	<5.00e-01	8.15e+02	626.0	720.5	26.2	n/a	255.0	n/a
S96T000791		A	Lanthanum -ICP-Acid Digest	ug/g	100.2	<5.00e-02	< 25.50	<2.52e1	n/a	n/a	n/a	25.60	n/a
S96T000791		A	Lithium -ICP-Acid Digest	ug/g	97.80	<1.00e-02	< 5.110	<5.04e0	n/a	n/a	n/a	5.110	n/a
S96T000791		A	Magnesium -ICP-Acid Digest	ug/g	90.20	<1.00e-01	< 51.10	<5.04e1	n/a	n/a	n/a	51.10	n/a
S96T000791		A	Manganese -ICP-Acid Digest	ug/g	92.80	<1.00e-02	32.50	28.90	30.70	11.7	n/a	5.110	n/a
S96T000791		A	Molybdenum -ICP-Acid Digest	ug/g	92.40	<5.00e-02	< 25.50	<2.52e1	n/a	n/a	n/a	25.60	n/a
S96T000791		A	Sodium -ICP-Acid Digest	ug/g	111.0	2.70e-01	2.15e+05	2.12e+05	2.14e+05	1.41	n/a	51.10	n/a
S96T000791		A	Neodymium -ICP-Acid Digest	ug/g	99.40	<1.00e-01	< 51.10	<5.04e1	n/a	n/a	n/a	51.10	n/a
S96T000791		A	Nickel -ICP-Acid Digest	ug/g	95.40	<2.00e-02	< 10.20	<1.01e1	n/a	n/a	n/a	10.20	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T000791		A	Phosphorus -ICP-Acid Digest	ug/g	89.20	<2.00e-01	3.48e+02	318.0	333.0	9.01	n/a	102.0	n/a
S96T000791		A	Lead -ICP-Acid Digest	ug/g	90.80	<1.00e-01	< 51.10	<5.04e1	n/a	n/a	n/a	51.10	n/a
S96T000791		A	Sulfur -ICP-Acid Digest	ug/g	92.40	<1.00e-01	6.09e+02	532.0	570.5	13.5	n/a	51.10	n/a
S96T000791		A	Antimony -ICP-Acid Digest	ug/g	86.00	<6.00e-02	< 30.70	<3.03e1	n/a	n/a	n/a	30.70	n/a
S96T000791		A	Selenium -ICP-Acid Digest	ug/g	91.00	<1.00e-01	< 51.10	<5.04e1	n/a	n/a	n/a	51.10	n/a
S96T000791		A	Silicon -ICP-Acid Digest	ug/g	136.0	5.20e-02	2.17e+02	199.0	208.0	8.65	n/a	25.60	n/a
S96T000791		A	Samarium -ICP-Acid Digest	ug/g	97.60	<1.00e-01	< 51.10	<5.04e1	n/a	n/a	n/a	51.10	n/a
S96T000791		A	Strontium -ICP-Acid Digest	ug/g	98.00	<1.00e-02	< 5.110	<5.04e0	n/a	n/a	n/a	5.110	n/a
S96T000791		A	Titanium-ICP-Acid Digest	ug/g	82.20	<1.00e-02	< 5.110	<5.04e0	n/a	n/a	n/a	5.110	n/a
S96T000791		A	Thallium -ICP-Acid Digest	ug/g	91.00	<2.00e-01	<1.02e+02	<1.01e2	n/a	n/a	n/a	102.0	n/a
S96T000791		A	Uranium -ICP-Acid Digest	ug/g	96.60	<5.00e-01	<2.55e+02	<2.52e2	n/a	n/a	n/a	255.0	n/a
S96T000791		A	Vanadium -ICP-Acid Digest	ug/g	95.00	<5.00e-02	< 25.50	<2.52e1	n/a	n/a	n/a	25.60	n/a
S96T000791		A	Zinc -ICP-Acid Digest	ug/g	90.40	<1.00e-02	16.40	15.50	15.95	5.64	n/a	5.110	n/a
S96T000791		A	Zirconium -ICP-Acid Digest	ug/g	77.40	<1.00e-02	< 5.110	<5.04e0	n/a	n/a	n/a	5.110	n/a

U-107 Final Report
U-107

CORE NUMBER: 134
SEGMENT #: 5A

SEGMENT PORTION: Liner Liquid

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001110			OH- by Pot. Titration	ug/mL	96.15	<42.00	<625	n/a	n/a	n/a	n/a	625.0	n/a
S96T001110			pH Direct	pH	n/a	n/a	12.42	12.43	12.43	0.08	n/a	1.00e-02	n/a
S96T001110			Strontium-89/90 High Level	uCi/mL	94.31	7.70e-02	INS	INS	n/a	n/a	n/a	1.00e-04	INS
S96T001110		D	Silver-ICP-Acid Dil.	ug/mL	100.4	<1.00e-02	1.68e-01	1.68e-01	1.68e-01	0.00	5.800	6.00e-02	n/a
S96T001110		D	Aluminium-ICP-Acid Dil.	ug/mL	99.00	<5.00e-02	76.50	76.30	76.40	0.26	96.90	3.00e-01	n/a
S96T001110		D	Arsenic-ICP-Acid Dil.	ug/mL	102.8	<1.00e-01	<6.00e-01	<6.00e-1	n/a	n/a	n/a	6.00e-01	n/a
S96T001110		D	Boron-ICP-Acid Dil.	ug/mL	100.6	<5.00e-02	3.720	3.750	3.735	0.80	99.60	3.00e-01	n/a
S96T001110		D	Barium-ICP-Acid Dil.	ug/mL	103.6	<5.00e-02	<3.00e-01	<3.00e-1	n/a	n/a	103.8	3.00e-01	n/a
S96T001110		D	Beryllium-ICP-Acid Dil.	ug/mL	104.0	<5.00e-03	<3.00e-02	<3.00e-2	n/a	n/a	104.8	3.00e-02	n/a
S96T001110		D	Bismuth-ICP-Acid Dil.	ug/mL	102.8	<1.00e-01	<6.00e-01	<6.00e-1	n/a	n/a	94.30	6.00e-01	n/a
S96T001110		D	Calcium-ICP-Acid Dil.	ug/mL	103.4	<1.00e-01	3.030	2.900	2.965	4.38	104.2	6.00e-01	n/a
S96T001110		D	Cadmium-ICP-Acid Dil.	ug/mL	102.0	<5.00e-03	3.26e-01	3.12e-01	3.19e-01	4.39	99.10	3.00e-02	n/a
S96T001110		D	Cerium-ICP-Acid Dil.	ug/mL	105.2	<1.00e-01	<6.00e-01	<6.00e-1	n/a	n/a	113.7	6.00e-01	n/a
S96T001110		D	Cobalt-ICP-Acid Dil.	ug/mL	102.4	<2.00e-02	<1.20e-01	<1.20e-1	n/a	n/a	102.5	1.20e-01	n/a
S96T001110		D	Chromium-ICP-Acid Dil.	ug/mL	103.2	<1.00e-02	2.170	2.170	2.170	0.00	103.2	6.00e-02	n/a
S96T001110		D	Copper-ICP-Acid Dil.	ug/mL	104.2	<1.00e-02	7.92e-01	7.91e-01	7.92e-01	0.13	105.1	6.00e-02	n/a
S96T001110		D	Iron-ICP-Acid Dil.	ug/mL	102.2	<5.00e-02	1.510	1.520	1.515	0.66	101.6	3.00e-01	n/a
S96T001110		D	Potassium-ICP-Acid Dil.	ug/mL	101.6	<5.00e-01	57.90	58.80	58.35	1.54	99.90	3.000	n/a
S96T001110		D	Lanthanum-ICP-Acid Dil.	ug/mL	103.4	<5.00e-02	<3.00e-01	<3.00e-1	n/a	n/a	105.0	3.00e-01	n/a
S96T001110		D	Lithium-ICP-Acid Dil.	ug/mL	101.2	<1.00e-02	5.65e+02	562.0	563.5	0.53	67.90	6.00e-02	n/a
S96T001110		D	Magnesium-ICP-Acid Dil.	ug/mL	98.20	<1.00e-01	7.25e-01	7.57e-01	7.41e-01	4.32	94.70	6.00e-01	n/a
S96T001110		D	Manganese-ICP-Acid Dil.	ug/mL	100.8	<1.00e-02	1.18e-01	1.18e-01	1.18e-01	0.00	97.40	6.00e-02	n/a
S96T001110		D	Molybdenum-ICP-Acid Dil.	ug/mL	102.2	<5.00e-02	1.070	1.080	1.075	0.93	100.0	3.00e-01	n/a
S96T001110		D	Sodium-ICP-Acid Dil.	ug/mL	100.6	<1.00e-01	2.39e+03	2.38e+03	2.38e+03	0.42	n/a	6.00e-01	n/a
S96T001110		D	Neodymium-ICP-Acid Dil.	ug/mL	104.6	<1.00e-01	<6.00e-01	<6.00e-1	n/a	n/a	106.5	6.00e-01	n/a
S96T001110		D	Nickel-ICP-Acid Dil.	ug/mL	101.4	<2.00e-02	7.77e-01	7.37e-01	7.57e-01	5.28	99.70	1.20e-01	n/a
S96T001110		D	Phosphorus-ICP-Acid Dil.	ug/mL	100.4	<2.00e-01	17.00	16.80	16.90	1.18	105.0	1.200	n/a
S96T001110		D	Lead-ICP-Acid Dil.	ug/mL	102.2	<1.00e-01	<6.00e-01	<6.00e-1	n/a	n/a	94.20	6.00e-01	n/a
S96T001110		D	Sulfer-ICP-Acid Dil.	ug/mL	99.00	<1.00e-01	47.80	47.70	47.75	0.21	91.70	6.00e-01	n/a
S96T001110		D	Antimony-ICP-Acid Dil.	ug/mL	96.60	<6.00e-02	<3.60e-01	<3.60e-1	n/a	n/a	97.30	3.60e-01	n/a
S96T001110		D	Selenium-ICP-Acid Dil.	ug/mL	99.20	<1.00e-01	6.87e-01	7.16e-01	7.02e-01	4.13	113.9	6.00e-01	n/a
S96T001110		D	Silicon-ICP-Acid Dil.	ug/mL	96.80	<5.00e-02	33.20	33.30	33.25	0.30	321.6	3.00e-01	n/a
S96T001110		D	Samarium-ICP-Acid Dil.	ug/mL	100.8	<1.00e-01	<6.00e-01	<6.00e-1	n/a	n/a	99.30	6.00e-01	n/a
S96T001110		D	Strontium-ICP-Acid Dil.	ug/mL	101.8	<1.00e-02	<6.00e-02	<6.00e-2	n/a	n/a	103.3	6.00e-02	n/a
S96T001110		D	Titanium-ICP-Acid Dil.	ug/mL	99.00	<1.00e-02	<6.00e-02	<6.00e-2	n/a	n/a	98.80	6.00e-02	n/a
S96T001110		D	Thallium-ICP-Acid Dil.	ug/mL	98.20	<2.00e-01	< 1.200	<1.20e0	n/a	n/a	79.70	1.200	n/a
S96T001110		D	Uranium-ICP-Acid Dil.	ug/mL	99.20	<5.00e-01	< 3.000	<3.00e0	n/a	n/a	102.5	3.000	n/a
S96T001110		D	Vanadium-ICP-Acid Dil.	ug/mL	102.2	<5.00e-02	<3.00e-01	<3.00e-1	n/a	n/a	102.3	3.00e-01	n/a
S96T001110		D	Zinc-ICP-Acid Dil.	ug/mL	101.6	<1.00e-02	1.160	1.130	1.145	2.62	96.90	6.00e-02	n/a
S96T001110		D	Zirconium-ICP-Acid Dil.	ug/mL	100.8	<1.00e-02	<6.00e-02	<6.00e-2	n/a	n/a	100.0	6.00e-02	n/a
S96T001110			Fluoride-IC-Dionex 4000i/4500	ug/mL	96.61	<1.30e-02	15.58	15.90	15.74	1.90	94.75	7.878	n/a
S96T001110			Chloride-IC-Dionex 4000i/4500	ug/mL	98.10	<1.70e-02	77.16	78.60	77.88	1.80	86.33	10.30	n/a
S96T001110			Nitrite-IC - Dionex 4000i/4500	ug/mL	101.3	<1.07e-01	6.57e+02	642.0	649.6	2.31	88.89	64.84	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001110			Bromide by Ion Chromatograph	ug/mL	98.26	<1.26e-01	6.44e+03	6.20e+03	6.32e+03	3.80	86.61	76.36	n/a
S96T001110			Nitrate-IC - Dionex 4000i/4500	ug/mL	95.93	3.65e-01	2.33e+03	2.33e+03	2.33e+03	0.00	85.34	84.84	n/a
S96T001110			Phosphate-IC-Dionex 4000i/4500	ug/mL	92.31	<1.19e-01	< 72.05	250.0	n/a	n/a	88.64	72.05	n/a
S96T001110			Sulfate by IC-Dionex4000i/4500	ug/mL	96.67	<1.36e-01	2.35e+02	232.0	233.4	1.28	85.90	82.36	n/a
S96T001110			Oxalate by IC - Dionex 4000i	ug/mL	103.2	<1.05e-01	< 63.63	71.90	n/a	n/a	97.02	63.63	n/a
S96T001110			Alpha in Liquid Samples	uCi/mL	112.5	<4.45e-05	<6.30e-05	<4.54E-5	n/a	n/a	98.05	1.09e-04	5.00E+02
S96T002034			DSC Exotherm using Mettler	Joules/g	110.7	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T002034			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T002034			% Water by TGA using Mettler	%	100.1	n/a	98.17	98.14	98.16	0.03	n/a	n/a	n/a
S96T002034			TIC by Acid/Coulometry	ug/mL	n/a	n/a	2.96e+02	270.0	283.0	9.19	n/a	5.000	n/a
S96T002034			TOC by Persulfate/Coulometry	ug/mL	n/a	n/a	6.59e+02	691.0	675.0	4.74	n/a	40.00	n/a
S96T002034			Strontium-89/90 High Level	uCi/mL	98.37	2.39e-04	3.81e-04	5.04e-04	4.42e-04	27.8	n/a	4.47e-04	3.18E+01
S96T002034			Fluoride-IC-Dionex 4000i/4500	ug/mL	101.0	<1.30e-02	14.68	14.30	14.49	2.76	121.2	2.613	n/a
S96T002034			Chloride-IC-Dionex 4000i/4500	ug/mL	95.32	<1.70e-02	70.86	71.30	71.08	0.56	95.70	3.417	n/a
S96T002034			Nitrite-IC - Dionex 4000i/4500	ug/mL	100.2	<1.07e-01	6.35e+02	628.0	631.5	1.11	104.5	21.51	n/a
S96T002034			Bromide by Ion Chromatograph	ug/mL	99.83	<1.26e-01	7.58e+03	7.43e+03	7.50e+03	2.00	86.61	25.33	n/a
S96T002034			Nitrate-IC - Dionex 4000i/4500	ug/mL	96.74	1.83e-01	2.67e+03	2.73e+03	2.70e+03	2.22	107.0	28.14	n/a
S96T002034			Phosphate-IC-Dionex 4000i/4500	ug/mL	100.5	<1.19e-01	52.10	51.40	51.75	1.35	97.62	23.90	n/a
S96T002034			Sulfate by IC-Dionex4000i/4500	ug/mL	98.26	<1.36e-01	1.19e+02	128.0	123.6	7.29	96.04	27.32	n/a
S96T002034			Oxalate by IC - Dionex 4000i	ug/mL	99.41	<1.05e-01	53.76	50.30	52.03	6.72	97.05	21.11	n/a

A Top Quarter of Segment: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001045			Bulk Density of Sample	g/mL	n/a	n/a	I.S.	n/a	n/a	n/a	n/a	5.00e-01	n/a
S96T001059			DSC Exotherm using Mettler	Joules/g	112.5	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001059			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001059			% Water by TGA using Mettler	%	100.1	n/a	21.25	21.26	21.26	0.05	n/a	n/a	n/a
S96T001059			TIC by Acid/Coulometry	ug/g	99.83	8.00e-01	1.60e+03	1.51e+03	1.56e+03	5.79	n/a	5.000	n/a
S96T001059			TOC by Persulfate/Coulometry	ug/g	88.00	3.700	1.93e+03	1.87e+03	1.90e+03	3.16	n/a	40.00	n/a
S96T001078	W		Fluoride-IC-Dionex 4000i/4500	ug/g	93.39	<1.30e-02	5.81e+02	878.0	729.4	40.7	n/a	150.8	n/a
S96T001078	W		Chloride-IC-Dionex 4000i/4500	ug/g	94.43	<1.70e-02	2.88e+03	2.92e+03	2.90e+03	1.38	n/a	197.2	n/a
S96T001078	W		Nitrite-IC - Dionex 4000i/4500	ug/g	98.44	<1.07e-01	3.09e+04	3.03e+04	3.06e+04	1.96	n/a	1.24e+03	n/a
S96T001078	W		Bromide by Ion Chromatograph	ug/g	97.04	<1.26e-01	<1.46e+03	<1.51e3	n/a	n/a	n/a	1.46e+03	n/a
S96T001078	W		Nitrate by IC-Dionex4000i/4500	ug/g	98.05	<1.40e-01	4.74e+05	4.74e+05	4.74e+05	0.00	n/a	1.62e+03	n/a
S96T001078	W		Phosphate-IC-Dionex 4000i/4500	ug/g	95.97	<1.19e-01	4.31e+04	4.04e+04	4.17e+04	6.47	n/a	1.38e+03	n/a
S96T001078	W		Sulfate by IC-Dionex4000i/4500	ug/g	98.73	<1.36e-01	4.08e+03	3.83e+03	3.95e+03	6.32	n/a	1.58e+03	n/a
S96T001078	W		Oxalate by IC - Dionex 4000i	ug/g	100.0	<1.05e-01	1.89e+03	2.07e+03	1.98e+03	9.09	n/a	1.22e+03	n/a
S96T001087	A		Silver -ICP-Acid Digest	ug/g	94.50	<1.00e-02	13.70	12.60	13.15	8.37	n/a	5.180	n/a
S96T001087	A		Aluminium -ICP-Acid Digest	ug/g	95.40	1.43e-01	7.56e+03	7.28e+03	7.42e+03	3.77	n/a	25.90	n/a
S96T001087	A		Arsenic -ICP-Acid Digest	ug/g	97.60	<1.00e-01	< 51.80	<6.56e1	n/a	n/a	n/a	51.80	n/a
S96T001087	A		Boron -ICP-Acid Digest	ug/g	103.8	6.37e-01	43.70	137.0	90.35	103	n/a	25.90	n/a
S96T001087	A		Barium -ICP-Acid Digest	ug/g	95.60	<5.00e-02	< 25.90	<3.28e1	n/a	n/a	n/a	25.90	n/a
S96T001087	A		Beryllium -ICP-Acid Digest	ug/g	107.2	<5.00e-03	< 2.590	<3.28e0	n/a	n/a	n/a	2.590	n/a
S96T001087	A		Bismuth -ICP-Acid Digest	ug/g	95.40	<1.00e-01	< 51.80	<6.56e1	n/a	n/a	n/a	51.80	n/a
S96T001087	A		Calcium -ICP-Acid Digest	ug/g	97.60	2.87e-01	2.71e+02	253.0	262.0	6.87	n/a	51.80	n/a
S96T001087	A		Cadmium -ICP-Acid Digest	ug/g	94.60	<5.00e-03	< 2.590	<3.28e0	n/a	n/a	n/a	2.590	n/a
S96T001087	A		Cerium -ICP-Acid Digest	ug/g	100.2	<1.00e-01	< 51.80	<6.56e1	n/a	n/a	n/a	51.80	n/a
S96T001087	A		Cobalt -ICP-Acid Digest	ug/g	96.80	<2.00e-02	< 10.40	<1.31e1	n/a	n/a	n/a	10.40	n/a
S96T001087	A		Chromium -ICP-Acid Digest	ug/g	95.20	1.00e-02	2.59e+03	2.35e+03	2.47e+03	9.72	n/a	5.180	n/a

Sample# R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001087	A	Copper -ICP-Acid Digest	ug/g	94.40	2.80e-02	< 5.180	<6.56e0	n/a	n/a	n/a	5.180	n/a
S96T001087	A	Iron -ICP-Acid Digest	ug/g	95.00	7.10e-02	8.02e+02	703.0	752.5	13.2	n/a	25.90	n/a
S96T001087	A	Potassium -ICP-Acid Digest	ug/g	95.20	<5.00e-01	6.70e+02	530.0	600.0	23.3	n/a	259.0	n/a
S96T001087	A	Lanthanum -ICP-Acid Digest	ug/g	97.40	<5.00e-02	< 25.90	<3.28e1	n/a	n/a	n/a	25.90	n/a
S96T001087	A	Lithium -ICP-Acid Digest	ug/g	95.60	<1.00e-02	8.080	8.170	8.125	1.11	n/a	5.180	n/a
S96T001087	A	Magnesium -ICP-Acid Digest	ug/g	90.80	<1.00e-01	60.90	<6.56e1	n/a	n/a	n/a	51.80	n/a
S96T001087	A	Manganese -ICP-Acid Digest	ug/g	93.00	<1.00e-02	4.57e+02	404.0	430.5	12.3	n/a	5.180	n/a
S96T001087	A	Molybdenum -ICP-Acid Digest	ug/g	95.00	<5.00e-02	< 25.90	<3.28e1	n/a	n/a	n/a	25.90	n/a
S96T001087	A	Sodium -ICP-Acid Digest	ug/g	113.8	1.190	1.81e+05	1.80e+05	1.80e+05	0.55	n/a	51.80	n/a
S96T001087	A	Neodymium -ICP-Acid Digest	ug/g	96.40	<1.00e-01	< 51.80	<6.56e1	n/a	n/a	n/a	51.80	n/a
S96T001087	A	Nickel -ICP-Acid Digest	ug/g	96.40	<2.00e-02	27.10	27.50	27.30	1.47	n/a	10.40	n/a
S96T001087	A	Phosphorus -ICP-Acid Digest	ug/g	96.80	<2.00e-01	1.12e+04	1.08e+04	1.10e+04	3.64	n/a	104.0	n/a
S96T001087	A	Lead -ICP-Acid Digest	ug/g	92.60	<1.00e-01	65.10	<6.56e1	n/a	n/a	n/a	51.80	n/a
S96T001087	A	Sulfur -ICP-Acid Digest	ug/g	94.00	<1.00e-01	4.61e+02	416.0	438.5	10.3	n/a	51.80	n/a
S96T001087	A	Antimony -ICP-Acid Digest	ug/g	96.60	<6.00e-02	< 31.10	<3.94e1	n/a	n/a	n/a	31.10	n/a
S96T001087	A	Selenium -ICP-Acid Digest	ug/g	91.60	<1.00e-01	< 51.80	<6.56e1	n/a	n/a	n/a	51.80	n/a
S96T001087	A	Silicon -ICP-Acid Digest	ug/g	138.2	6.50e-01	1.48e+02	133.0	140.5	10.7	n/a	25.90	n/a
S96T001087	A	Samarium -ICP-Acid Digest	ug/g	94.80	<1.00e-01	< 51.80	<6.56e1	n/a	n/a	n/a	51.80	n/a
S96T001087	A	Strontium -ICP-Acid Digest	ug/g	95.00	<1.00e-02	< 5.180	<6.56e0	n/a	n/a	n/a	5.180	n/a
S96T001087	A	Titanium-ICP-Acid Digest	ug/g	88.80	<1.00e-02	< 5.180	<6.56e0	n/a	n/a	n/a	5.180	n/a
S96T001087	A	Thallium -ICP-Acid Digest	ug/g	91.00	<2.00e-01	<1.04e+02	<1.31e2	n/a	n/a	n/a	104.0	n/a
S96T001087	A	Uranium -ICP-Acid Digest	ug/g	92.50	<5.00e-01	<2.59e+02	<3.28e2	n/a	n/a	n/a	259.0	n/a
S96T001087	A	Vanadium -ICP-Acid Digest	ug/g	93.80	<5.00e-02	< 25.90	<3.28e1	n/a	n/a	n/a	25.90	n/a
S96T001087	A	Zinc -ICP-Acid Digest	ug/g	92.20	1.80e-02	54.60	45.60	50.10	18.0	n/a	5.180	n/a
S96T001087	A	Zirconium -ICP-Acid Digest	ug/g	101.8	<1.00e-02	< 5.180	<6.56e0	n/a	n/a	n/a	5.180	n/a
S96T001096	F	Alpha of Digested Solid	uCi/g	119.5	<7.05e-03	1.83e-01	1.83e-01	1.83e-01	0.00	n/a	9.00e-03	1.41E+01

U-107 Final Report
U-107

CORE NUMBER: 134
SEGMENT #: 5B

SEGMENT PORTION: Drainable Liquid

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001107			Specific Gravity	Sp.G.	97.74	n/a	1.437	1.419	1.428	1.26	n/a	1.00e-03	n/a
S96T001119			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001119			DSC Exotherm on Perkin Elmer	Joules/g	97.64	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001119			OH- by Pot. Titration	ug/mL	96.15	<42.00	2.59e+04	2.56e+04	2.58e+04	1.17	n/a	1.25e+03	n/a
S96T001119			pH Direct	pH	n/a	n/a	12.82	12.87	12.84	0.39	n/a	1.00e-02	n/a
S96T001119			% Water by TGA on Perkin Elmer	%	99.61	n/a	51.01	51.14	51.08	0.25	n/a	n/a	n/a
S96T001119			TIC by Acid/Coulometry	ug/mL	97.51	8.00e-01	2.17e+03	2.29e+03	2.23e+03	5.38	102.0	5.000	n/a
S96T001119			TOC by Persulfate/Coulometry	ug/mL	88.33	6.200	3.67e+03	3.71e+03	3.69e+03	1.08	93.00	40.00	n/a
S96T001119			Strontium-89/90 High Level	uCi/mL	102.4	1.00e-03	7.51e-01	7.53e-01	7.52e-01	0.27	n/a	2.82e-04	7.65E-01
S96T001119		D	Silver-ICP-Acid Dil.	ug/mL	100.4	<1.00e-02	16.10	16.00	16.05	0.62	50.80	6.010	n/a
S96T001119		D	Aluminium-ICP-Acid Dil.	ug/mL	99.00	<5.00e-02	2.70e+04	2.68e+04	2.69e+04	0.74	22.00	30.10	n/a
S96T001119		D	Arsenic-ICP-Acid Dil.	ug/mL	102.8	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	99.40	60.10	n/a
S96T001119		D	Boron-ICP-Acid Dil.	ug/mL	100.6	<5.00e-02	79.50	78.20	78.85	1.65	102.3	30.10	n/a
S96T001119		D	Barium-ICP-Acid Dil.	ug/mL	103.6	<5.00e-02	< 30.10	<3.01e1	n/a	n/a	104.9	30.10	n/a
S96T001119		D	Beryllium-ICP-Acid Dil.	ug/mL	104.0	<5.00e-03	< 3.000	<3.00e0	n/a	n/a	106.2	3.000	n/a
S96T001119		D	Bismuth-ICP-Acid Dil.	ug/mL	102.8	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	104.7	60.10	n/a
S96T001119		D	Calcium-ICP-Acid Dil.	ug/mL	103.4	<1.00e-01	86.00	83.10	84.55	3.43	104.9	60.10	n/a
S96T001119		D	Cadmium-ICP-Acid Dil.	ug/mL	102.0	<5.00e-03	< 3.000	<3.00e0	n/a	n/a	102.4	3.000	n/a
S96T001119		D	Cerium-ICP-Acid Dil.	ug/mL	105.2	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	108.4	60.10	n/a
S96T001119		D	Cobalt-ICP-Acid Dil.	ug/mL	102.4	<2.00e-02	< 12.00	<1.20e1	n/a	n/a	102.4	12.00	n/a
S96T001119		D	Chromium-ICP-Acid Dil.	ug/mL	103.2	<1.00e-02	1.64e+02	164.0	164.0	0.00	103.1	6.010	n/a
S96T001119		D	Copper-ICP-Acid Dil.	ug/mL	104.2	<1.00e-02	< 6.010	<6.01e0	n/a	n/a	106.7	6.010	n/a
S96T001119		D	Iron-ICP-Acid Dil.	ug/mL	102.2	<5.00e-02	< 30.10	<3.01e1	n/a	n/a	103.8	30.10	n/a
S96T001119		D	Potassium-ICP-Acid Dil.	ug/mL	101.6	<5.00e-01	3.64e+03	3.63e+03	3.64e+03	0.28	85.70	300.0	n/a
S96T001119		D	Lanthanum-ICP-Acid Dil.	ug/mL	103.4	<5.00e-02	< 30.10	<3.01e1	n/a	n/a	106.6	30.10	n/a
S96T001119		D	Lithium-ICP-Acid Dil.	ug/mL	101.2	<1.00e-02	< 6.010	<6.01e0	n/a	n/a	105.4	6.010	n/a
S96T001119		D	Magnesium-ICP-Acid Dil.	ug/mL	98.20	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	98.40	60.10	n/a
S96T001119		D	Manganese-ICP-Acid Dil.	ug/mL	100.8	<1.00e-02	< 6.010	<6.01e0	n/a	n/a	98.40	6.010	n/a
S96T001119		D	Molybdenum-ICP-Acid Dil.	ug/mL	102.2	<5.00e-02	1.01e+02	101.0	101.0	0.00	103.9	30.10	n/a
S96T001119		D	Sodium-ICP-Acid Dil.	ug/mL	100.6	<1.00e-01	2.26e+05	2.25e+05	2.26e+05	0.44	n/a	60.10	n/a
S96T001119		D	Neodymium-ICP-Acid Dil.	ug/mL	104.6	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	107.9	60.10	n/a
S96T001119		D	Nickel-ICP-Acid Dil.	ug/mL	101.4	<2.00e-02	14.50	14.80	14.65	2.05	101.3	12.00	n/a
S96T001119		D	Phosphorus-ICP-Acid Dil.	ug/mL	100.4	<2.00e-01	1.08e+03	1.08e+03	1.08e+03	0.00	101.0	120.0	n/a
S96T001119		D	Lead-ICP-Acid Dil.	ug/mL	102.2	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	103.9	60.10	n/a
S96T001119		D	Sulfer-ICP-Acid Dil.	ug/mL	99.00	<1.00e-01	1.50e+03	1.47e+03	1.48e+03	2.02	94.80	60.10	n/a
S96T001119		D	Antimony-ICP-Acid Dil.	ug/mL	96.60	<6.00e-02	< 36.10	<3.61e1	n/a	n/a	99.10	36.10	n/a
S96T001119		D	Selenium-ICP-Acid Dil.	ug/mL	99.20	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	101.6	60.10	n/a
S96T001119		D	Silicon-ICP-Acid Dil.	ug/mL	96.80	<5.00e-02	2.10e+02	185.0	197.5	12.7	91.80	30.10	n/a
S96T001119		D	Samarium-ICP-Acid Dil.	ug/mL	100.8	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	100.9	60.10	n/a
S96T001119		D	Strontium-ICP-Acid Dil.	ug/mL	101.8	<1.00e-02	< 6.010	<6.01e0	n/a	n/a	104.7	6.010	n/a
S96T001119		D	Titanium-ICP-Acid Dil.	ug/mL	99.00	<1.00e-02	< 6.010	<6.01e0	n/a	n/a	100.9	6.010	n/a
S96T001119		D	Thallium-ICP-Acid Dil.	ug/mL	98.20	<2.00e-01	<1.20e+02	<1.20e2	n/a	n/a	98.10	120.0	n/a
S96T001119		D	Uranium-ICP-Acid Dil.	ug/mL	99.20	<5.00e-01	<3.00e+02	<3.00e2	n/a	n/a	97.10	300.0	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001119		D	Vanadium-ICP-Acid Dil.	ug/mL	102.2	<5.00e-02	< 30.10	<3.01e1	n/a	n/a	102.9	30.10	n/a
S96T001119		D	Zinc-ICP-Acid Dil.	ug/mL	101.6	<1.00e-02	15.20	15.00	15.10	1.32	102.4	6.010	n/a
S96T001119		D	Zirconium-ICP-Acid Dil.	ug/mL	100.8	<1.00e-02	< 6.010	<6.01e0	n/a	n/a	102.1	6.010	n/a
S96T001119			Fluoride-IC-Dionex 4000i/4500	ug/mL	100.7	<1.30e-02	< 66.96	<6.70e1	n/a	n/a	29.83	66.96	n/a
S96T001119			Chloride-IC-Dionex 4000i/4500	ug/mL	92.53	<1.70e-02	8.81e+03	8.94e+03	8.87e+03	1.46	90.76	87.57	n/a
S96T001119			Nitrite-IC - Dionex 4000i/4500	ug/mL	97.26	<1.07e-01	1.06e+05	1.09e+05	1.08e+05	2.79	102.2	551.2	n/a
S96T001119			Bromide by Ion Chromatograph	ug/mL	99.48	<1.26e-01	4.06e+03	4.08e+03	4.07e+03	0.49	93.74	649.0	n/a
S96T001119			Nitrate-IC - Dionex 4000i/4500	ug/mL	101.5	<1.40e-01	2.27e+05	2.25e+05	2.26e+05	0.88	76.55	721.1	n/a
S96T001119			Phosphate-IC-Dionex 4000i/4500	ug/mL	101.3	<1.19e-01	2.90e+03	3.08e+03	2.99e+03	6.02	93.77	612.5	n/a
S96T001119			Sulfate by IC-Dionex4000i/4500	ug/mL	101.6	<1.36e-01	3.28e+03	3.17e+03	3.23e+03	3.41	96.83	700.0	n/a
S96T001119			Oxalate by IC - Dionex 4000i	ug/mL	103.1	<1.05e-01	<5.41e+02	<5.41e2	n/a	n/a	99.22	540.9	n/a
S96T001119			Alpha in Liquid Samples	uCi/mL	112.5	<4.45e-05	5.36e-03	<4.94E-3	n/a	n/a	n/a	5.00e-03	7.34E+01

U-107 Final Report
U-107

CORE NUMBER: 134
SEGMENT #: 6A

SEGMENT PORTION: Liner Liquid

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001120			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001120			DSC Exotherm on Perkin Elmer	Joules/g	97.64	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001120			OH- by Pot. Titration	ug/mL	96.15	<42.00	6.14e+03	6.24e+03	6.19e+03	1.62	n/a	1.25e+03	n/a
S96T001120			pH Direct	pH	n/a	n/a	12.64	12.58	12.61	0.48	n/a	1.00e-02	n/a
S96T001120			% Water by TGA on Perkin Elmer	%	99.61	n/a	89.27	89.10	89.19	0.19	n/a	n/a	n/a
S96T001120			TIC by Acid/Coulometry	ug/mL	97.51	8.00e-01	8.74e+02	437.0	655.5	66.7	n/a	5.000	n/a
S96T001120			TOC by Persulfate/Coulometry	ug/mL	88.33	6.200	1.92e+03	1.66e+03	1.79e+03	14.5	n/a	40.00	n/a
S96T001120			Strontium-89/90 High Level	uCi/mL	102.4	1.00e-03	2.60e-03	5.14e-03	3.87e-03	65.6	n/a	2.75e-04	1.48E+01
S96T001120		D	Silver-ICP-Acid Dil.	ug/mL	100.4	<1.00e-02	2.030	2.140	2.085	5.28	6.100	1.010	n/a
S96T001120		D	Aluminium-ICP-Acid Dil.	ug/mL	99.00	<5.00e-02	3.96e+02	393.0	394.5	0.76	98.30	5.050	n/a
S96T001120		D	Arsenic-ICP-Acid Dil.	ug/mL	102.8	<1.00e-01	< 10.10	<1.01e1	n/a	n/a	96.80	10.10	n/a
S96T001120		D	Boron-ICP-Acid Dil.	ug/mL	100.6	<5.00e-02	25.20	25.10	25.15	0.40	101.7	5.050	n/a
S96T001120		D	Barium-ICP-Acid Dil.	ug/mL	103.6	<5.00e-02	< 5.050	<5.05e0	n/a	n/a	104.9	5.050	n/a
S96T001120		D	Beryllium-ICP-Acid Dil.	ug/mL	104.0	<5.00e-03	<5.05e-01	<5.05e-1	n/a	n/a	104.9	5.05e-01	n/a
S96T001120		D	Bismuth-ICP-Acid Dil.	ug/mL	102.8	<1.00e-01	< 10.10	<1.01e1	n/a	n/a	103.0	10.10	n/a
S96T001120		D	Calcium-ICP-Acid Dil.	ug/mL	103.4	<1.00e-01	30.30	29.30	29.80	3.36	102.7	10.10	n/a
S96T001120		D	Cadmium-ICP-Acid Dil.	ug/mL	102.0	<5.00e-03	<5.05e-01	<5.05e-1	n/a	n/a	101.0	5.05e-01	n/a
S96T001120		D	Cerium-ICP-Acid Dil.	ug/mL	105.2	<1.00e-01	< 10.10	<1.01e1	n/a	n/a	106.9	10.10	n/a
S96T001120		D	Cobalt-ICP-Acid Dil.	ug/mL	102.4	<2.00e-02	< 2.020	<2.02e0	n/a	n/a	101.0	2.020	n/a
S96T001120		D	Chromium-ICP-Acid Dil.	ug/mL	103.2	<1.00e-02	7.930	8.020	7.975	1.13	103.0	1.010	n/a
S96T001120		D	Copper-ICP-Acid Dil.	ug/mL	104.2	<1.00e-02	4.240	3.600	3.920	16.3	105.7	1.010	n/a
S96T001120		D	Iron-ICP-Acid Dil.	ug/mL	102.2	<5.00e-02	< 5.050	<5.05e0	n/a	n/a	102.0	5.050	n/a
S96T001120		D	Potassium-ICP-Acid Dil.	ug/mL	101.6	<5.00e-01	5.08e+02	505.0	506.5	0.59	82.70	50.50	n/a
S96T001120		D	Lanthanum-ICP-Acid Dil.	ug/mL	103.4	<5.00e-02	< 5.050	<5.05e0	n/a	n/a	105.9	5.050	n/a
S96T001120		D	Lithium-ICP-Acid Dil.	ug/mL	101.2	<1.00e-02	1.69e+03	1.68e+03	1.68e+03	0.59	98.80	1.010	n/a
S96T001120		D	Magnesium-ICP-Acid Dil.	ug/mL	98.20	<1.00e-01	< 10.10	<1.01e1	n/a	n/a	98.00	10.10	n/a
S96T001120		D	Manganese-ICP-Acid Dil.	ug/mL	100.8	<1.00e-02	< 1.010	<1.01e0	n/a	n/a	97.50	1.010	n/a
S96T001120		D	Molybdenum-ICP-Acid Dil.	ug/mL	102.2	<5.00e-02	15.40	15.60	15.50	1.29	102.6	5.050	n/a
S96T001120		D	Sodium-ICP-Acid Dil.	ug/mL	100.6	<1.00e-01	2.90e+04	2.88e+04	2.89e+04	0.69	n/a	10.10	n/a
S96T001120		D	Neodymium-ICP-Acid Dil.	ug/mL	104.6	<1.00e-01	< 10.10	<1.01e1	n/a	n/a	106.9	10.10	n/a
S96T001120		D	Nickel-ICP-Acid Dil.	ug/mL	101.4	<2.00e-02	3.730	4.140	3.935	10.4	101.2	2.020	n/a
S96T001120		D	Phosphorus-ICP-Acid Dil.	ug/mL	100.4	<2.00e-01	47.70	50.00	48.85	4.71	101.3	20.20	n/a
S96T001120		D	Lead-ICP-Acid Dil.	ug/mL	102.2	<1.00e-01	< 10.10	<1.01e1	n/a	n/a	100.0	10.10	n/a
S96T001120		D	Sulfer-ICP-Acid Dil.	ug/mL	99.00	<1.00e-01	2.09e+02	212.0	210.5	1.43	97.30	10.10	n/a
S96T001120		D	Antimony-ICP-Acid Dil.	ug/mL	96.60	<6.00e-02	< 6.060	<6.06e0	n/a	n/a	98.30	6.060	n/a
S96T001120		D	Selenium-ICP-Acid Dil.	ug/mL	99.20	<1.00e-01	< 10.10	<1.01e1	n/a	n/a	102.0	10.10	n/a
S96T001120		D	Silicon-ICP-Acid Dil.	ug/mL	96.80	<5.00e-02	1.42e+02	138.0	140.0	2.86	134.7	5.050	n/a
S96T001120		D	Samarium-ICP-Acid Dil.	ug/mL	100.8	<1.00e-01	< 10.10	<1.01e1	n/a	n/a	100.0	10.10	n/a
S96T001120		D	Strontium-ICP-Acid Dil.	ug/mL	101.8	<1.00e-02	< 1.010	<1.01e0	n/a	n/a	104.0	1.010	n/a
S96T001120		D	Titanium-ICP-Acid Dil.	ug/mL	99.00	<1.00e-02	< 1.010	<1.01e0	n/a	n/a	100.0	1.010	n/a
S96T001120		D	Thallium-ICP-Acid Dil.	ug/mL	98.20	<2.00e-01	< 20.20	<2.02e1	n/a	n/a	95.20	20.20	n/a
S96T001120		D	Uranium-ICP-Acid Dil.	ug/mL	99.20	<5.00e-01	< 50.50	<5.05e1	n/a	n/a	96.05	50.50	n/a
S96T001120		D	Vanadium-ICP-Acid Dil.	ug/mL	102.2	<5.00e-02	< 5.050	<5.05e0	n/a	n/a	102.0	5.050	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001120		D	Zinc-ICP-Acid Dil.	ug/mL	101.6	<1.00e-02	6.460	6.000	6.230	7.38	100.5	1.010	n/a
S96T001120		D	Zirconium-ICP-Acid Dil.	ug/mL	100.8	<1.00e-02	< 1.010	<1.01e0	n/a	n/a	101.0	1.010	n/a
S96T001120			Fluoride-IC-Dionex 4000i/4500	ug/mL	96.61	<1.30e-02	< 27.57	<2.76e1	n/a	n/a	n/a	27.57	n/a
S96T001120			Chloride-IC-Dionex 4000i/4500	ug/mL	98.10	<1.70e-02	1.19e+03	1.23e+03	1.21e+03	3.31	n/a	36.06	n/a
S96T001120			Nitrite-IC - Dionex 4000i/4500	ug/mL	101.3	<1.07e-01	1.30e+04	1.31e+04	1.31e+04	0.77	n/a	226.9	n/a
S96T001120			Bromide by Ion Chromatograph	ug/mL	98.26	<1.26e-01	2.40e+04	2.43e+04	2.42e+04	1.24	n/a	267.2	n/a
S96T001120			Nitrate-IC - Dionex 4000i/4500	ug/mL	95.93	3.65e-01	1.80e+04	1.80e+04	1.80e+04	0.00	n/a	296.9	n/a
S96T001120			Phosphate-IC-Dionex 4000i/4500	ug/mL	92.31	<1.19e-01	<2.52e+02	<2.52e2	n/a	n/a	n/a	252.2	n/a
S96T001120			Sulfate by IC-Dionex4000i/4500	ug/mL	96.67	<1.36e-01	7.68e+02	783.0	775.7	1.93	n/a	288.2	n/a
S96T001120			Oxalate by IC - Dionex 4000i	ug/mL	103.2	<1.05e-01	<2.23e+02	291.0	n/a	n/a	n/a	222.7	n/a
S96T001120			Alpha in Liquid Samples	uCi/mL	112.5	<4.45e-05	<2.25e-03	<2.29E-3	n/a	n/a	n/a	5.00e-03	5.00E+02

W Whole Segment: W Whole Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001046			Bulk Density of Sample	g/mL	n/a	n/a	1.100	n/a	n/a	n/a	n/a	5.00e-01	n/a
S96T001070			DSC Exotherm using Mettler	Joules/g	113.9	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001070			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001070			% Water by TGA using Mettler	%	102.9	n/a	91.44	91.02	91.23	0.46	n/a	n/a	n/a
S96T001070			TIC by Acid/Coulometry	ug/g	99.83	8.00e-01	8.62e+02	836.0	849.0	3.06	104.0	5.000	n/a
S96T001070			TOC by Persulfate/Coulometry	ug/g	88.00	3.700	1.21e+03	1.24e+03	1.22e+03	2.45	105.0	40.00	n/a
S96T001079		W	Fluoride-IC-Dionex 4000i/4500	ug/g	90.17	<1.30e-02	< 16.49	<1.63e1	n/a	n/a	64.92	16.49	n/a
S96T001079		W	Chloride-IC-Dionex 4000i/4500	ug/g	95.57	<1.70e-02	9.78e+02	991.0	984.5	1.32	102.7	21.56	n/a
S96T001079		W	Nitrite-IC - Dionex 4000i/4500	ug/g	97.22	<1.07e-01	9.60e+03	9.53e+03	9.57e+03	0.73	107.3	135.7	n/a
S96T001079		W	Bromide by Ion Chromatograph	ug/g	96.87	<1.26e-01	2.30e+04	2.32e+04	2.31e+04	0.87	107.5	159.8	n/a
S96T001079		W	Nitrate by IC-Dionex4000i/4500	ug/g	98.86	<1.40e-01	1.42e+04	1.50e+04	1.46e+04	5.48	96.91	177.5	n/a
S96T001079		W	Phosphate-IC-Dionex 4000i/4500	ug/g	94.69	<1.19e-01	7.79e+02	832.0	805.3	6.58	90.48	150.8	n/a
S96T001079		W	Sulfate by IC-Dionex4000i/4500	ug/g	98.73	<1.36e-01	5.92e+02	550.0	570.9	7.36	94.45	172.4	n/a
S96T001079		W	Oxalate by IC - Dionex 4000i	ug/g	100.0	<1.05e-01	<1.33e+02	<1.32e2	n/a	n/a	100.7	133.2	n/a
S96T001088		A	Silver -ICP-Acid Digest	ug/g	94.50	<1.00e-02	< 1.810	<1.90e0	n/a	n/a	n/a	1.810	n/a
S96T001088		A	Aluminium -ICP-Acid Digest	ug/g	95.40	1.43e-01	5.32e+03	5.18e+03	5.25e+03	2.67	n/a	9.060	n/a
S96T001088		A	Arsenic -ICP-Acid Digest	ug/g	97.60	<1.00e-01	< 18.10	<1.90e1	n/a	n/a	n/a	18.10	n/a
S96T001088		A	Boron -ICP-Acid Digest	ug/g	103.8	6.37e-01	24.90	91.20	58.05	114	n/a	9.060	n/a
S96T001088		A	Barium -ICP-Acid Digest	ug/g	95.60	<5.00e-02	< 9.060	<9.49e0	n/a	n/a	n/a	9.060	n/a
S96T001088		A	Beryllium -ICP-Acid Digest	ug/g	107.2	<5.00e-03	<9.06e-01	<9.49e-1	n/a	n/a	n/a	9.06e-01	n/a
S96T001088		A	Bismuth -ICP-Acid Digest	ug/g	95.40	<1.00e-01	< 18.10	<1.90e1	n/a	n/a	n/a	18.10	n/a
S96T001088		A	Calcium -ICP-Acid Digest	ug/g	97.60	2.87e-01	1.10e+02	123.0	116.5	11.2	n/a	18.10	n/a
S96T001088		A	Cadmium -ICP-Acid Digest	ug/g	94.60	<5.00e-03	<9.06e-01	<9.49e-1	n/a	n/a	n/a	9.06e-01	n/a
S96T001088		A	Cerium -ICP-Acid Digest	ug/g	100.2	<1.00e-01	< 18.10	<1.90e1	n/a	n/a	n/a	18.10	n/a
S96T001088		A	Cobalt -ICP-Acid Digest	ug/g	96.80	<2.00e-02	< 3.620	<3.80e0	n/a	n/a	n/a	3.620	n/a
S96T001088		A	Chromium -ICP-Acid Digest	ug/g	95.20	1.00e-02	46.50	47.00	46.75	1.07	n/a	1.810	n/a
S96T001088		A	Copper -ICP-Acid Digest	ug/g	94.40	2.80e-02	3.410	5.710	4.560	50.4	n/a	1.810	n/a
S96T001088		A	Iron -ICP-Acid Digest	ug/g	95.00	7.10e-02	1.21e+02	116.0	118.5	4.22	n/a	9.060	n/a
S96T001088		A	Potassium -ICP-Acid Digest	ug/g	95.20	<5.00e-01	1.73e+02	200.0	186.5	14.5	n/a	90.60	n/a
S96T001088		A	Lanthanum -ICP-Acid Digest	ug/g	97.40	<5.00e-02	< 9.060	<9.49e0	n/a	n/a	n/a	9.060	n/a
S96T001088		A	Lithium -ICP-Acid Digest	ug/g	95.60	<1.00e-02	1.83e+03	1.90e+03	1.86e+03	3.75	n/a	1.810	n/a
S96T001088		A	Magnesium -ICP-Acid Digest	ug/g	90.80	<1.00e-01	< 18.10	<1.90e1	n/a	n/a	n/a	18.10	n/a
S96T001088		A	Manganese -ICP-Acid Digest	ug/g	93.00	<1.00e-02	21.00	19.70	20.35	6.39	n/a	1.810	n/a
S96T001088		A	Molybdenum -ICP-Acid Digest	ug/g	95.00	<5.00e-02	< 9.060	<9.49e0	n/a	n/a	n/a	9.060	n/a
S96T001088		A	Sodium -ICP-Acid Digest	ug/g	113.8	1.190	1.32e+04	1.44e+04	1.38e+04	8.70	n/a	18.10	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001088		A	Neodymium -ICP-Acid Digest	ug/g	96.40	<1.00e-01	< 18.10	<1.90e1	n/a	n/a	n/a	18.10	n/a
S96T001088		A	Nickel -ICP-Acid Digest	ug/g	96.40	<2.00e-02	< 3.620	<3.80e0	n/a	n/a	n/a	3.620	n/a
S96T001088		A	Phosphorus -ICP-Acid Digest	ug/g	96.80	<2.00e-01	2.26e+02	228.0	227.0	0.88	n/a	36.20	n/a
S96T001088		A	Lead -ICP-Acid Digest	ug/g	92.60	<1.00e-01	< 18.10	<1.90e1	n/a	n/a	n/a	18.10	n/a
S96T001088		A	Sulfur -ICP-Acid Digest	ug/g	94.00	<1.00e-01	90.50	100.0	95.25	9.97	n/a	18.10	n/a
S96T001088		A	Antimony -ICP-Acid Digest	ug/g	96.60	<6.00e-02	< 10.90	<1.14e1	n/a	n/a	n/a	10.90	n/a
S96T001088		A	Selenium -ICP-Acid Digest	ug/g	91.60	<1.00e-01	< 18.10	<1.90e1	n/a	n/a	n/a	18.10	n/a
S96T001088		A	Silicon -ICP-Acid Digest	ug/g	138.2	6.50e-01	1.25e+02	137.0	131.0	9.16	n/a	9.060	n/a
S96T001088		A	Samarium -ICP-Acid Digest	ug/g	94.80	<1.00e-01	< 18.10	<1.90e1	n/a	n/a	n/a	18.10	n/a
S96T001088		A	Strontium -ICP-Acid Digest	ug/g	95.00	<1.00e-02	< 1.810	<1.90e0	n/a	n/a	n/a	1.810	n/a
S96T001088		A	Titanium-ICP-Acid Digest	ug/g	88.80	<1.00e-02	< 1.810	<1.90e0	n/a	n/a	n/a	1.810	n/a
S96T001088		A	Thallium -ICP-Acid Digest	ug/g	91.00	<2.00e-01	< 36.20	<3.80e1	n/a	n/a	n/a	36.20	n/a
S96T001088		A	Uranium -ICP-Acid Digest	ug/g	92.50	<5.00e-01	< 90.60	<9.49e1	n/a	n/a	n/a	90.60	n/a
S96T001088		A	Vanadium -ICP-Acid Digest	ug/g	93.80	<5.00e-02	< 9.060	<9.49e0	n/a	n/a	n/a	9.060	n/a
S96T001088		A	Zinc -ICP-Acid Digest	ug/g	92.20	1.80e-02	12.00	13.60	12.80	12.5	n/a	1.810	n/a
S96T001088		A	Zirconium -ICP-Acid Digest	ug/g	101.8	<1.00e-02	< 1.810	<1.90e0	n/a	n/a	n/a	1.810	n/a
S96T001097		F	Alpha of Digested Solid	uCi/g	119.5	<7.05e-03	1.76e-02	1.27e-02	1.52e-02	32.3	n/a	4.00e-03	3.46E+01

Drainable Liquid: Drainable Liquid

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001121			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001121			DSC Exotherm on Perkin Elmer	Joules/g	97.64	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001121			OH- by Pot. Titration	ug/mL	96.15	<42.00	4.60e+03	4.43e+03	4.52e+03	3.77	n/a	1.25e+03	n/a
S96T001121			pH Direct	pH	n/a	n/a	12.84	12.78	12.81	0.47	n/a	1.00e-02	n/a
S96T001121			Specific Gravity	Sp.G.	97.46	n/a	1.026	1.009	1.018	1.67	n/a	1.00e-03	n/a
S96T001121			% Water by TGA on Perkin Elmer	%	99.61	n/a	91.70	92.22	91.96	0.54	n/a	n/a	n/a
S96T001121			TIC by Acid/Coulometry	ug/mL	100.2	6.00e-01	1.96e+02	269.0	232.5	31.4	110.0	5.000	n/a
S96T001121			TOC by Persulfate/Coulometry	ug/mL	90.00	7.800	9.93e+02	1.10e+03	1.05e+03	10.2	70.00	40.00	n/a
S96T001121			Strontium-89/90 High Level	uCi/mL	102.4	1.00e-03	1.33e-02	1.35e-02	1.34e-02	1.49	n/a	2.76e-04	5.87E+00
S96T001121		D	Silver-ICP-Acid Dil.	ug/mL	100.4	<1.00e-02	1.330	1.280	1.305	3.83	92.60	4.10e-01	n/a
S96T001121		D	Aluminium-ICP-Acid Dil.	ug/mL	99.00	<5.00e-02	81.00	80.80	80.90	0.25	102.5	2.050	n/a
S96T001121		D	Arsenic-ICP-Acid Dil.	ug/mL	102.8	<1.00e-01	< 4.100	<4.10e0	n/a	n/a	96.60	4.100	n/a
S96T001121		D	Boron-ICP-Acid Dil.	ug/mL	100.6	<5.00e-02	18.00	17.80	17.90	1.12	101.6	2.050	n/a
S96T001121		D	Barium-ICP-Acid Dil.	ug/mL	103.6	<5.00e-02	< 2.050	<2.05e0	n/a	n/a	105.1	2.050	n/a
S96T001121		D	Beryllium-ICP-Acid Dil.	ug/mL	104.0	<5.00e-03	<2.05e-01	<2.05e-1	n/a	n/a	105.6	2.05e-01	n/a
S96T001121		D	Bismuth-ICP-Acid Dil.	ug/mL	102.8	<1.00e-01	< 4.100	<4.10e0	n/a	n/a	104.9	4.100	n/a
S96T001121		D	Calcium-ICP-Acid Dil.	ug/mL	103.4	<1.00e-01	17.80	17.60	17.70	1.13	105.2	4.100	n/a
S96T001121		D	Cadmium-ICP-Acid Dil.	ug/mL	102.0	<5.00e-03	<2.05e-01	<2.05e-1	n/a	n/a	102.0	2.05e-01	n/a
S96T001121		D	Cerium-ICP-Acid Dil.	ug/mL	105.2	<1.00e-01	< 4.100	<4.10e0	n/a	n/a	108.5	4.100	n/a
S96T001121		D	Cobalt-ICP-Acid Dil.	ug/mL	102.4	<2.00e-02	<8.20e-01	<8.20e-1	n/a	n/a	102.7	8.20e-01	n/a
S96T001121		D	Chromium-ICP-Acid Dil.	ug/mL	103.2	<1.00e-02	7.550	7.560	7.555	0.13	104.3	4.10e-01	n/a
S96T001121		D	Copper-ICP-Acid Dil.	ug/mL	104.2	<1.00e-02	<4.10e-01	8.75e-01	n/a	n/a	107.3	4.10e-01	n/a
S96T001121		D	Iron-ICP-Acid Dil.	ug/mL	102.2	<5.00e-02	< 2.050	<2.05e0	n/a	n/a	103.7	2.050	n/a
S96T001121		D	Potassium-ICP-Acid Dil.	ug/mL	101.6	<5.00e-01	3.22e+02	318.0	320.0	1.25	126.8	20.50	n/a
S96T001121		D	Lanthanum-ICP-Acid Dil.	ug/mL	103.4	<5.00e-02	< 2.050	<2.05e0	n/a	n/a	106.6	2.050	n/a
S96T001121		D	Lithium-ICP-Acid Dil.	ug/mL	101.2	<1.00e-02	1.60e+03	1.60e+03	1.60e+03	0.00	69.30	4.10e-01	n/a
S96T001121		D	Magnesium-ICP-Acid Dil.	ug/mL	98.20	<1.00e-01	< 4.100	<4.10e0	n/a	n/a	99.30	4.100	n/a
S96T001121		D	Manganese-ICP-Acid Dil.	ug/mL	100.8	<1.00e-02	<4.10e-01	<4.10e-1	n/a	n/a	98.50	4.10e-01	n/a
S96T001121		D	Molybdenum-ICP-Acid Dil.	ug/mL	102.2	<5.00e-02	9.460	9.560	9.510	1.05	104.3	2.050	n/a

27

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001121		D	Sodium-ICP-Acid Dil.	ug/mL	100.6	<1.00e-01	1.86e+04	1.86e+04	1.86e+04	0.00	n/a	4.100	n/a
S96T001121		D	Neodymium-ICP-Acid Dil.	ug/mL	104.6	<1.00e-01	< 4.100	<4.10e0	n/a	n/a	107.8	4.100	n/a
S96T001121		D	Nickel-ICP-Acid Dil.	ug/mL	101.4	<2.00e-02	1.760	1.560	1.660	12.0	102.0	8.20e-01	n/a
S96T001121		D	Phosphorus-ICP-Acid Dil.	ug/mL	100.4	<2.00e-01	44.10	44.10	44.10	0.00	102.7	8.200	n/a
S96T001121		D	Lead-ICP-Acid Dil.	ug/mL	102.2	<1.00e-01	< 4.100	<4.10e0	n/a	n/a	103.9	4.100	n/a
S96T001121		D	Sulfer-ICP-Acid Dil.	ug/mL	99.00	<1.00e-01	1.31e+02	141.0	136.0	7.35	139.5	4.100	n/a
S96T001121		D	Antimony-ICP-Acid Dil.	ug/mL	96.60	<6.00e-02	< 2.460	<2.46e0	n/a	n/a	99.50	2.460	n/a
S96T001121		D	Selenium-ICP-Acid Dil.	ug/mL	99.20	<1.00e-01	< 4.100	<4.10e0	n/a	n/a	105.6	4.100	n/a
S96T001121		D	Silicon-ICP-Acid Dil.	ug/mL	96.80	<5.00e-02	1.04e+02	104.0	104.0	0.00	157.8	2.050	n/a
S96T001121		D	Samarium-ICP-Acid Dil.	ug/mL	100.8	<1.00e-01	< 4.100	<4.10e0	n/a	n/a	101.0	4.100	n/a
S96T001121		D	Strontium-ICP-Acid Dil.	ug/mL	101.8	<1.00e-02	<4.10e-01	<4.10e-1	n/a	n/a	104.6	4.10e-01	n/a
S96T001121		D	Titanium-ICP-Acid Dil.	ug/mL	99.00	<1.00e-02	<4.10e-01	<4.10e-1	n/a	n/a	101.5	4.10e-01	n/a
S96T001121		D	Thallium-ICP-Acid Dil.	ug/mL	98.20	<2.00e-01	< 8.200	<8.20e0	n/a	n/a	97.60	8.200	n/a
S96T001121		D	Uranium-ICP-Acid Dil.	ug/mL	99.20	<5.00e-01	< 20.50	<2.05e1	n/a	n/a	98.15	20.50	n/a
S96T001121		D	Vanadium-ICP-Acid Dil.	ug/mL	102.2	<5.00e-02	< 2.050	<2.05e0	n/a	n/a	103.4	2.050	n/a
S96T001121		D	Zinc-ICP-Acid Dil.	ug/mL	101.6	<1.00e-02	3.010	3.430	3.220	13.0	102.4	4.10e-01	n/a
S96T001121		D	Zirconium-ICP-Acid Dil.	ug/mL	100.8	<1.00e-02	<4.10e-01	<4.10e-1	n/a	n/a	102.0	4.10e-01	n/a
S96T001121			Fluoride-IC-Dionex 4000i/4500	ug/mL	96.61	<1.30e-02	< 27.57	<2.76e1	n/a	n/a	n/a	27.57	n/a
S96T001121			Chloride-IC-Dionex 4000i/4500	ug/mL	98.10	<1.70e-02	7.86e+02	781.0	783.6	0.64	n/a	36.06	n/a
S96T001121			Nitrite-IC - Dionex 4000i/4500	ug/mL	101.3	<1.07e-01	8.30e+03	8.19e+03	8.24e+03	1.33	n/a	226.9	n/a
S96T001121			Bromide by Ion Chromatograph	ug/mL	98.26	<1.26e-01	1.92e+04	1.92e+04	1.92e+04	0.00	n/a	267.2	n/a
S96T001121			Nitrate-IC - Dionex 4000i/4500	ug/mL	95.93	3.65e-01	1.12e+04	1.15e+04	1.14e+04	2.64	n/a	296.9	n/a
S96T001121			Phosphate-IC-Dionex 4000i/4500	ug/mL	92.31	<1.19e-01	<2.52e+02	<2.52e2	n/a	n/a	n/a	252.2	n/a
S96T001121			Sulfate by IC-Dionex4000i/4500	ug/mL	96.67	<1.36e-01	6.62e+02	639.0	650.5	3.54	n/a	288.2	n/a
S96T001121			Oxalate by IC - Dionex 4000i	ug/mL	103.2	<1.05e-01	<2.23e+02	<2.23e2	n/a	n/a	n/a	222.7	n/a
S96T001121			Alpha in Liquid Samples	uCi/mL	112.5	<4.45e-05	<2.25e-03	<2.29E-3	n/a	n/a	n/a	5.00e-03	5.00E+02

U-107 Final Report
U-107

CORE NUMBER: 134
SEGMENT #: 2

SEGMENT PORTION: U Upper Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001043			Bulk Density of Sample	g/mL	n/a	n/a	1.410	n/a	n/a	n/a	n/a	5.00e-01	n/a
S96T001055			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001055			DSC Exotherm on Perkin Elmer	Joules/g	96.63	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001055			% Water by TGA on Perkin Elmer	%	100.3	n/a	6.940	7.600	7.270	9.08	n/a	n/a	n/a
S96T001055			TIC by Acid/Coulometry	ug/g	94.19	2.000	2.05e+03	2.23e+03	2.14e+03	8.41	83.30	5.000	n/a
S96T001055			TOC by Persulfate/Coulometry	ug/g	98.33	9.00e-01	6.39e+02	895.0	767.0	33.4	103.0	40.00	n/a
S96T001071		W	Fluoride-IC-Dionex 4000i/4500	ug/g	96.44	<1.30e-02	<2.39e+02	<2.39e2	n/a	n/a	99.49	239.3	n/a
S96T001071		W	Chloride-IC-Dionex 4000i/4500	ug/g	96.58	<1.70e-02	1.41e+03	1.30e+03	1.36e+03	8.12	91.14	312.9	n/a
S96T001071		W	Nitrite-IC - Dionex 4000i/4500	ug/g	98.78	<1.07e-01	1.62e+04	1.62e+04	1.62e+04	0.00	94.97	1.97e+03	n/a
S96T001071		W	Bromide by Ion Chromatograph	ug/g	95.13	<1.26e-01	<9.41e+02	<9.40e2	n/a	n/a	88.87	941.4	n/a
S96T001071		W	Nitrate by IC-Dionex4000i/4500	ug/g	97.07	3.86e-01	6.50e+05	6.44e+05	6.47e+05	0.93	100.3	2.57e+03	n/a
S96T001071		W	Phosphate-IC-Dionex 4000i/4500	ug/g	93.59	<1.19e-01	1.16e+04	1.20e+04	1.18e+04	3.39	87.55	2.19e+03	n/a
S96T001071		W	Sulfate by IC-Dionex4000i/4500	ug/g	98.26	<1.36e-01	6.31e+03	6.35e+03	6.33e+03	0.63	93.03	2.50e+03	n/a
S96T001071		W	Oxalate by IC - Dionex 4000i	ug/g	100.0	<1.05e-01	<1.93e+03	2.58e+03	n/a	n/a	101.1	1.93e+03	n/a
S96T001080		A	Silver -ICP-Acid Digest	ug/g	94.80	<1.00e-02	16.70	14.80	15.75	12.1	74.90	5.940	n/a
S96T001080		A	Aluminium -ICP-Acid Digest	ug/g	99.20	9.20e-02	3.09e+03	2.65e+03	2.87e+03	15.3	46.08	29.70	n/a
S96T001080		A	Arsenic -ICP-Acid Digest	ug/g	98.40	<1.00e-01	< 59.40	<5.06e1	n/a	n/a	78.40	59.40	n/a
S96T001080		A	Boron -ICP-Acid Digest	ug/g	110.6	3.17e-01	87.50	72.10	79.80	19.3	74.56	29.70	n/a
S96T001080		A	Barium -ICP-Acid Digest	ug/g	97.60	<5.00e-02	< 29.70	<2.53e1	n/a	n/a	75.40	29.70	n/a
S96T001080		A	Beryllium -ICP-Acid Digest	ug/g	108.8	<5.00e-03	< 2.970	<2.53e0	n/a	n/a	78.00	2.970	n/a
S96T001080		A	Bismuth -ICP-Acid Digest	ug/g	95.20	<1.00e-01	< 59.40	<5.06e1	n/a	n/a	74.40	59.40	n/a
S96T001080		A	Calcium -ICP-Acid Digest	ug/g	95.80	1.12e-01	1.94e+02	163.0	178.5	17.4	66.38	59.40	n/a
S96T001080		A	Cadmium -ICP-Acid Digest	ug/g	93.60	<5.00e-03	< 2.970	<2.53e0	n/a	n/a	74.80	2.970	n/a
S96T001080		A	Cerium -ICP-Acid Digest	ug/g	100.4	<1.00e-01	< 59.40	<5.06e1	n/a	n/a	79.60	59.40	n/a
S96T001080		A	Cobalt -ICP-Acid Digest	ug/g	96.00	<2.00e-02	< 11.90	<1.01e1	n/a	n/a	76.00	11.90	n/a
S96T001080		A	Chromium -ICP-Acid Digest	ug/g	94.40	<1.00e-02	6.16e+02	528.0	572.0	15.4	68.38	5.940	n/a
S96T001080		A	Copper -ICP-Acid Digest	ug/g	98.00	1.60e-02	< 5.940	<5.06e0	n/a	n/a	75.80	5.940	n/a
S96T001080		A	Iron -ICP-Acid Digest	ug/g	95.20	<5.00e-02	1.34e+03	1.14e+03	1.24e+03	16.1	n/a	29.70	n/a
S96T001080		A	Potassium -ICP-Acid Digest	ug/g	96.40	<5.00e-01	5.91e+02	465.0	528.0	23.9	61.76	297.0	n/a
S96T001080		A	Lanthanum -ICP-Acid Digest	ug/g	98.60	<5.00e-02	< 29.70	<2.53e1	n/a	n/a	77.20	29.70	n/a
S96T001080		A	Lithium -ICP-Acid Digest	ug/g	100.2	<1.00e-02	< 5.940	<5.06e0	n/a	n/a	77.00	5.940	n/a
S96T001080		A	Magnesium -ICP-Acid Digest	ug/g	94.00	<1.00e-01	< 59.40	<5.06e1	n/a	n/a	75.20	59.40	n/a
S96T001080		A	Manganese -ICP-Acid Digest	ug/g	92.60	<1.00e-02	31.70	27.00	29.35	16.0	70.80	5.940	n/a
S96T001080		A	Molybdenum -ICP-Acid Digest	ug/g	94.00	<5.00e-02	< 29.70	<2.53e1	n/a	n/a	74.80	29.70	n/a
S96T001080		A	Sodium -ICP-Acid Digest	ug/g	120.0	5.67e-01	2.24e+05	1.92e+05	2.08e+05	15.4	n/a	59.40	n/a
S96T001080		A	Neodymium -ICP-Acid Digest	ug/g	100.2	<1.00e-01	< 59.40	<5.06e1	n/a	n/a	78.00	59.40	n/a
S96T001080		A	Nickel -ICP-Acid Digest	ug/g	96.20	<2.00e-02	< 11.90	<1.01e1	n/a	n/a	77.20	11.90	n/a
S96T001080		A	Phosphorus -ICP-Acid Digest	ug/g	98.00	<2.00e-01	1.42e+03	1.22e+03	1.32e+03	15.2	90.42	119.0	n/a
S96T001080		A	Lead -ICP-Acid Digest	ug/g	89.60	<1.00e-01	< 59.40	<5.06e1	n/a	n/a	71.60	59.40	n/a
S96T001080		A	Sulfur -ICP-Acid Digest	ug/g	96.60	<1.00e-01	5.43e+02	463.0	503.0	15.9	73.00	59.40	n/a
S96T001080		A	Antimony -ICP-Acid Digest	ug/g	94.80	<6.00e-02	< 35.70	<3.04e1	n/a	n/a	76.60	35.70	n/a
S96T001080		A	Selenium -ICP-Acid Digest	ug/g	94.80	<1.00e-01	< 59.40	<5.06e1	n/a	n/a	76.60	59.40	n/a
S96T001080		A	Silicon -ICP-Acid Digest	ug/g	113.6	9.80e-02	1.39e+02	119.0	129.0	15.5	44.54	29.70	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001080		A	Samarium -ICP-Acid Digest	ug/g	99.20	<1.00e-01	< 59.40	<5.06e1	n/a	n/a	76.00	59.40	n/a
S96T001080		A	Strontium -ICP-Acid Digest	ug/g	97.20	<1.00e-02	< 5.940	<5.06e0	n/a	n/a	75.60	5.940	n/a
S96T001080		A	Titanium-ICP-Acid Digest	ug/g	88.60	<1.00e-02	< 5.940	<5.06e0	n/a	n/a	69.40	5.940	n/a
S96T001080		A	Thallium -ICP-Acid Digest	ug/g	92.40	<2.00e-01	<1.19e+02	<1.01e2	n/a	n/a	72.40	119.0	n/a
S96T001080		A	Uranium -ICP-Acid Digest	ug/g	99.70	<5.00e-01	<2.97e+02	<2.53e2	n/a	n/a	76.00	297.0	n/a
S96T001080		A	Vanadium -ICP-Acid Digest	ug/g	95.00	<5.00e-02	< 29.70	<2.53e1	n/a	n/a	74.40	29.70	n/a
S96T001080		A	Zinc -ICP-Acid Digest	ug/g	92.00	<1.00e-02	13.90	12.30	13.10	12.2	73.80	5.940	n/a
S96T001080		A	Zirconium -ICP-Acid Digest	ug/g	98.20	<1.00e-02	< 5.940	<5.06e0	n/a	n/a	76.00	5.940	n/a
S96T001089		F	Alpha of Digested Solid	uCi/g	116.4	<3.22e-03	1.53e-02	2.03e-02	1.78e-02	28.1	71.31	6.00e-03	3.77E+01
S96T002284		A	Silver -ICP-Acid Digest	ug/g	86.40	<1.00e-02	< 9.710	<9.27e0	n/a	n/a	90.00	9.710	n/a
S96T002284		A	Aluminium -ICP-Acid Digest	ug/g	89.40	5.30e-02	2.85e+03	3.34e+03	3.10e+03	15.8	n/a	48.50	n/a
S96T002284		A	Arsenic -ICP-Acid Digest	ug/g	90.80	<1.00e-01	< 97.10	<9.27e1	n/a	n/a	93.40	97.10	n/a
S96T002284		A	Boron -ICP-Acid Digest	ug/g	97.20	3.78e-01	99.70	69.90	84.80	35.1	89.34	48.50	n/a
S96T002284		A	Barium -ICP-Acid Digest	ug/g	89.00	<5.00e-02	< 48.50	<4.64e1	n/a	n/a	91.60	48.50	n/a
S96T002284		A	Beryllium -ICP-Acid Digest	ug/g	98.00	<5.00e-03	< 4.850	<4.64e0	n/a	n/a	93.20	4.850	n/a
S96T002284		A	Bismuth -ICP-Acid Digest	ug/g	87.00	<1.00e-01	< 97.10	<9.27e1	n/a	n/a	90.20	97.10	n/a
S96T002284		A	Calcium -ICP-Acid Digest	ug/g	91.40	4.35e-01	2.04e+02	221.0	212.5	8.00	74.84	97.10	n/a
S96T002284		A	Cadmium -ICP-Acid Digest	ug/g	88.60	<5.00e-03	< 4.850	<4.64e0	n/a	n/a	91.80	4.850	n/a
S96T002284		A	Cerium -ICP-Acid Digest	ug/g	91.40	<1.00e-01	< 97.10	<9.27e1	n/a	n/a	189.4	97.10	n/a
S96T002284		A	Cobalt -ICP-Acid Digest	ug/g	91.60	<2.00e-02	< 19.40	<1.85e1	n/a	n/a	189.2	19.40	n/a
S96T002284		A	Chromium -ICP-Acid Digest	ug/g	90.60	<1.00e-02	7.80e+02	753.0	766.5	3.52	55.84	9.710	n/a
S96T002284		A	Copper -ICP-Acid Digest	ug/g	85.40	1.90e-02	< 9.710	<9.27e0	n/a	n/a	88.60	9.710	n/a
S96T002284		A	Iron -ICP-Acid Digest	ug/g	90.80	<5.00e-02	1.40e+02	108.0	124.0	25.8	85.80	48.50	n/a
S96T002284		A	Potassium -ICP-Acid Digest	ug/g	98.60	5.29e-01	5.36e+02	527.0	531.5	1.69	71.44	485.0	n/a
S96T002284		A	Lanthanum -ICP-Acid Digest	ug/g	90.00	<5.00e-02	< 48.50	<4.64e1	n/a	n/a	92.80	48.50	n/a
S96T002284		A	Lithium -ICP-Acid Digest	ug/g	87.40	<1.00e-02	< 9.710	<9.27e0	n/a	n/a	88.20	9.710	n/a
S96T002284		A	Magnesium -ICP-Acid Digest	ug/g	88.20	<1.00e-01	< 97.10	<9.27e1	n/a	n/a	87.80	97.10	n/a
S96T002284		A	Manganese -ICP-Acid Digest	ug/g	90.40	<1.00e-02	37.00	33.30	35.15	10.5	91.18	9.710	n/a
S96T002284		A	Molybdenum -ICP-Acid Digest	ug/g	89.60	<5.00e-02	< 48.50	<4.64e1	n/a	n/a	91.60	48.50	n/a
S96T002284		A	Sodium -ICP-Acid Digest	ug/g	97.00	6.07e-01	2.25e+05	2.20e+05	2.22e+05	2.25	n/a	97.10	n/a
S96T002284		A	Neodymium -ICP-Acid Digest	ug/g	89.20	<1.00e-01	< 97.10	<9.27e1	n/a	n/a	92.20	97.10	n/a
S96T002284		A	Nickel -ICP-Acid Digest	ug/g	91.40	<2.00e-02	< 19.40	<1.85e1	n/a	n/a	95.40	19.40	n/a
S96T002284		A	Phosphorus -ICP-Acid Digest	ug/g	93.40	<2.00e-01	1.56e+03	1.42e+03	1.49e+03	9.40	n/a	194.0	n/a
S96T002284		A	Lead -ICP-Acid Digest	ug/g	87.00	<1.00e-01	< 97.10	<9.27e1	n/a	n/a	123.4	97.10	n/a
S96T002284		A	Sulfur -ICP-Acid Digest	ug/g	90.40	<1.00e-01	9.29e+02	769.0	849.0	18.8	8.740	97.10	n/a
S96T002284		A	Antimony -ICP-Acid Digest	ug/g	90.20	<6.00e-02	< 58.30	56.30	n/a	n/a	94.60	58.20	n/a
S96T002284		A	Selenium -ICP-Acid Digest	ug/g	103.2	<1.00e-01	< 97.10	<9.27e1	n/a	n/a	109.0	97.10	n/a
S96T002284		A	Silicon -ICP-Acid Digest	ug/g	120.6	9.00e-02	2.65e+02	256.0	260.5	3.45	100.7	48.50	n/a
S96T002284		A	Samarium -ICP-Acid Digest	ug/g	90.60	<1.00e-01	< 97.10	<9.27e1	n/a	n/a	91.40	97.10	n/a
S96T002284		A	Strontium -ICP-Acid Digest	ug/g	88.40	<1.00e-02	< 9.710	<9.27e0	n/a	n/a	91.40	9.710	n/a
S96T002284		A	Titanium-ICP-Acid Digest	ug/g	84.00	<1.00e-02	< 9.710	<9.27e0	n/a	n/a	86.00	9.710	n/a
S96T002284		A	Thallium -ICP-Acid Digest	ug/g	84.20	<2.00e-01	<1.94e+02	<1.85e2	n/a	n/a	91.40	194.0	n/a
S96T002284		A	Uranium -ICP-Acid Digest	ug/g	90.60	<5.00e-01	<4.85e+02	<4.64e2	n/a	n/a	94.40	485.0	n/a
S96T002284		A	Vanadium -ICP-Acid Digest	ug/g	89.40	<5.00e-02	< 48.50	<4.64e1	n/a	n/a	92.00	48.50	n/a
S96T002284		A	Zinc -ICP-Acid Digest	ug/g	87.80	2.00e-02	11.50	11.20	11.35	2.64	97.62	9.710	n/a
S96T002284		A	Zirconium -ICP-Acid Digest	ug/g	96.40	<1.00e-02	< 9.710	<9.27e0	n/a	n/a	99.20	9.710	n/a

U-107 Final Report
U-107

CORE NUMBER: 134
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%
S96T001044			Bulk Density of Sample	g/mL	n/a	n/a	1.540	n/a	n/a	n/a	n/a	5.00e-01	n/a
S96T001056			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001056			DSC Exotherm on Perkin Elmer	Joules/g	96.63	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001056			% Water by TGA on Perkin Elmer	%	100.3	n/a	13.12	12.26	12.69	6.78	n/a	n/a	n/a
S96T001056			TIC by Acid/Coulometry	ug/g	94.19	2.000	5.92e+03	4.31e+03	5.12e+03	31.5	n/a	5.000	n/a
S96T001056			TOC by Persulfate/Coulometry	ug/g	98.33	9.00e-01	1.89e+03	1.92e+03	1.90e+03	1.57	n/a	40.00	n/a
S96T001072		W	Fluoride-IC-Dionex 4000i/4500	ug/g	96.44	<1.30e-02	<2.68e+02	<2.76e2	n/a	n/a	n/a	267.6	n/a
S96T001072		W	Chloride-IC-Dionex 4000i/4500	ug/g	96.58	<1.70e-02	2.26e+03	2.40e+03	2.33e+03	6.01	n/a	350.1	n/a
S96T001072		W	Nitrite-IC - Dionex 4000i/4500	ug/g	98.78	<1.07e-01	2.37e+04	2.56e+04	2.47e+04	7.71	n/a	2.20e+03	n/a
S96T001072		W	Bromide by Ion Chromatograph	ug/g	95.13	<1.26e-01	<1.05e+03	<1.08e3	n/a	n/a	n/a	1.05e+03	n/a
S96T001072		W	Nitrate by IC-Dionex4000i/4500	ug/g	97.07	3.86e-01	5.53e+05	5.35e+05	5.44e+05	3.31	n/a	2.88e+03	n/a
S96T001072		W	Phosphate-IC-Dionex 4000i/4500	ug/g	93.59	<1.19e-01	1.34e+04	1.43e+04	1.38e+04	6.50	n/a	2.45e+03	n/a
S96T001072		W	Sulfate by IC-Dionex4000i/4500	ug/g	98.26	<1.36e-01	8.86e+03	1.00e+04	9.43e+03	12.1	n/a	2.80e+03	n/a
S96T001072		W	Oxalate by IC - Dionex 4000i	ug/g	100.0	<1.05e-01	3.11e+03	3.48e+03	3.30e+03	11.2	n/a	2.16e+03	n/a
S96T001081		A	Silver -ICP-Acid Digest	ug/g	94.80	<1.00e-02	15.30	16.50	15.90	7.55	n/a	5.660	n/a
S96T001081		A	Aluminium -ICP-Acid Digest	ug/g	99.20	9.20e-02	4.51e+03	4.69e+03	4.60e+03	3.91	n/a	28.30	n/a
S96T001081		A	Arsenic -ICP-Acid Digest	ug/g	98.40	<1.00e-01	< 56.50	<5.85e1	n/a	n/a	n/a	56.50	n/a
S96T001081		A	Boron -ICP-Acid Digest	ug/g	110.6	3.17e-01	51.10	54.40	52.75	6.26	n/a	28.30	n/a
S96T001081		A	Barium -ICP-Acid Digest	ug/g	97.60	<5.00e-02	< 28.30	<2.93e1	n/a	n/a	n/a	28.30	n/a
S96T001081		A	Beryllium -ICP-Acid Digest	ug/g	108.8	<5.00e-03	< 2.830	<2.93e0	n/a	n/a	n/a	2.830	n/a
S96T001081		A	Bismuth -ICP-Acid Digest	ug/g	95.20	<1.00e-01	< 56.50	<5.85e1	n/a	n/a	n/a	56.50	n/a
S96T001081		A	Calcium -ICP-Acid Digest	ug/g	95.80	1.12e-01	2.07e+02	218.0	212.5	5.18	n/a	56.50	n/a
S96T001081		A	Cadmium -ICP-Acid Digest	ug/g	93.60	<5.00e-03	< 2.830	<2.93e0	n/a	n/a	n/a	2.830	n/a
S96T001081		A	Cerium -ICP-Acid Digest	ug/g	100.4	<1.00e-01	< 56.50	<5.85e1	n/a	n/a	n/a	56.50	n/a
S96T001081		A	Cobalt -ICP-Acid Digest	ug/g	96.00	<2.00e-02	< 11.30	<1.17e1	n/a	n/a	n/a	11.30	n/a
S96T001081		A	Chromium -ICP-Acid Digest	ug/g	94.40	<1.00e-02	1.21e+03	1.26e+03	1.24e+03	4.05	n/a	5.660	n/a
S96T001081		A	Copper -ICP-Acid Digest	ug/g	98.00	1.60e-02	< 5.650	<5.85e0	n/a	n/a	n/a	5.660	n/a
S96T001081		A	Iron -ICP-Acid Digest	ug/g	95.20	<5.00e-02	1.76e+02	183.0	179.5	3.90	n/a	28.30	n/a
S96T001081		A	Potassium -ICP-Acid Digest	ug/g	96.40	<5.00e-01	6.84e+02	814.0	749.0	17.4	n/a	283.0	n/a
S96T001081		A	Lanthanum -ICP-Acid Digest	ug/g	98.60	<5.00e-02	< 28.30	<2.93e1	n/a	n/a	n/a	28.30	n/a
S96T001081		A	Lithium -ICP-Acid Digest	ug/g	100.2	<1.00e-02	< 5.650	<5.85e0	n/a	n/a	n/a	5.660	n/a
S96T001081		A	Magnesium -ICP-Acid Digest	ug/g	94.00	<1.00e-01	< 56.50	<5.85e1	n/a	n/a	n/a	56.50	n/a
S96T001081		A	Manganese -ICP-Acid Digest	ug/g	92.60	<1.00e-02	47.30	49.40	48.35	4.34	n/a	5.660	n/a
S96T001081		A	Molybdenum -ICP-Acid Digest	ug/g	94.00	<5.00e-02	< 28.30	<2.93e1	n/a	n/a	n/a	28.30	n/a
S96T001081		A	Sodium -ICP-Acid Digest	ug/g	120.0	5.67e-01	2.01e+05	2.09e+05	2.05e+05	3.90	n/a	56.50	n/a
S96T001081		A	Neodymium -ICP-Acid Digest	ug/g	100.2	<1.00e-01	< 56.50	<5.85e1	n/a	n/a	n/a	56.50	n/a
S96T001081		A	Nickel -ICP-Acid Digest	ug/g	96.20	<2.00e-02	< 11.30	<1.17e1	n/a	n/a	n/a	11.30	n/a
S96T001081		A	Phosphorus -ICP-Acid Digest	ug/g	98.00	<2.00e-01	2.10e+03	2.19e+03	2.14e+03	4.20	n/a	113.0	n/a
S96T001081		A	Lead -ICP-Acid Digest	ug/g	89.60	<1.00e-01	< 56.50	<5.85e1	n/a	n/a	n/a	56.50	n/a
S96T001081		A	Sulfur -ICP-Acid Digest	ug/g	96.60	<1.00e-01	1.23e+03	1.27e+03	1.25e+03	3.20	n/a	56.50	n/a
S96T001081		A	Antimony -ICP-Acid Digest	ug/g	94.80	<6.00e-02	< 33.90	<3.51e1	n/a	n/a	n/a	33.90	n/a
S96T001081		A	Selenium -ICP-Acid Digest	ug/g	94.80	<1.00e-01	< 56.50	<5.85e1	n/a	n/a	n/a	56.50	n/a
S96T001081		A	Silicon -ICP-Acid Digest	ug/g	113.6	9.80e-02	78.50	82.10	80.30	4.48	n/a	28.30	n/a

Sample# R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001081	A	Samarium -ICP-Acid Digest	ug/g	99.20	<1.00e-01	< 56.50	<5.85e1	n/a	n/a	n/a	56.50	n/a
S96T001081	A	Strontium -ICP-Acid Digest	ug/g	97.20	<1.00e-02	< 5.650	<5.85e0	n/a	n/a	n/a	5.660	n/a
S96T001081	A	Titanium-ICP-Acid Digest	ug/g	88.60	<1.00e-02	< 5.650	<5.85e0	n/a	n/a	n/a	5.660	n/a
S96T001081	A	Thallium -ICP-Acid Digest	ug/g	92.40	<2.00e-01	<1.13e+02	<1.17e2	n/a	n/a	n/a	113.0	n/a
S96T001081	A	Uranium -ICP-Acid Digest	ug/g	99.70	<5.00e-01	<2.83e+02	<2.93e2	n/a	n/a	n/a	283.0	n/a
S96T001081	A	Vanadium -ICP-Acid Digest	ug/g	95.00	<5.00e-02	< 28.30	<2.93e1	n/a	n/a	n/a	28.30	n/a
S96T001081	A	Zinc -ICP-Acid Digest	ug/g	92.00	<1.00e-02	15.30	16.00	15.65	4.47	n/a	5.660	n/a
S96T001081	A	Zirconium -ICP-Acid Digest	ug/g	98.20	<1.00e-02	< 5.650	<5.85e0	n/a	n/a	n/a	5.660	n/a
S96T001090	F	Alpha of Digested Solid	uCi/g	116.4	<3.22e-03	2.74e-02	4.03e-02	3.39e-02	38.1	n/a	4.00e-03	2.31E+01

W Whole Segment: W Whole Segment

Sample# R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T002285	A	Silver -ICP-Acid Digest	ug/g	86.40	<1.00e-02	< 9.890	<9.89e0	n/a	n/a	n/a	9.880	n/a
S96T002285	A	Aluminium -ICP-Acid Digest	ug/g	89.40	5.30e-02	5.06e+03	5.01e+03	5.04e+03	0.99	n/a	49.40	n/a
S96T002285	A	Arsenic -ICP-Acid Digest	ug/g	90.80	<1.00e-01	< 98.90	<9.89e1	n/a	n/a	n/a	98.90	n/a
S96T002285	A	Boron -ICP-Acid Digest	ug/g	97.20	3.78e-01	1.18e+02	123.0	120.5	4.15	n/a	49.40	n/a
S96T002285	A	Barium -ICP-Acid Digest	ug/g	89.00	<5.00e-02	< 49.40	<4.95e1	n/a	n/a	n/a	49.40	n/a
S96T002285	A	Beryllium -ICP-Acid Digest	ug/g	98.00	<5.00e-03	< 4.940	<4.95e0	n/a	n/a	n/a	4.950	n/a
S96T002285	A	Bismuth -ICP-Acid Digest	ug/g	87.00	<1.00e-01	< 98.90	<9.89e1	n/a	n/a	n/a	98.90	n/a
S96T002285	A	Calcium -ICP-Acid Digest	ug/g	91.40	4.35e-01	2.40e+02	246.0	243.0	2.47	n/a	98.90	n/a
S96T002285	A	Cadmium -ICP-Acid Digest	ug/g	88.60	<5.00e-03	5.920	<4.95e0	n/a	n/a	n/a	4.950	n/a
S96T002285	A	Cerium -ICP-Acid Digest	ug/g	91.40	<1.00e-01	< 98.90	<9.89e1	n/a	n/a	n/a	98.90	n/a
S96T002285	A	Cobalt -ICP-Acid Digest	ug/g	91.60	<2.00e-02	< 19.80	<1.98e1	n/a	n/a	n/a	19.80	n/a
S96T002285	A	Chromium -ICP-Acid Digest	ug/g	90.60	<1.00e-02	1.59e+03	1.60e+03	1.60e+03	0.63	n/a	9.880	n/a
S96T002285	A	Copper -ICP-Acid Digest	ug/g	85.40	1.90e-02	< 9.890	<9.89e0	n/a	n/a	n/a	9.880	n/a
S96T002285	A	Iron -ICP-Acid Digest	ug/g	90.80	<5.00e-02	2.29e+02	191.0	210.0	18.1	n/a	49.40	n/a
S96T002285	A	Potassium -ICP-Acid Digest	ug/g	98.60	5.29e-01	8.61e+02	890.0	875.5	3.31	n/a	494.0	n/a
S96T002285	A	Lanthanum -ICP-Acid Digest	ug/g	90.00	<5.00e-02	< 49.40	<4.95e1	n/a	n/a	n/a	49.40	n/a
S96T002285	A	Lithium -ICP-Acid Digest	ug/g	87.40	<1.00e-02	< 9.890	<9.89e0	n/a	n/a	n/a	9.880	n/a
S96T002285	A	Magnesium -ICP-Acid Digest	ug/g	88.20	<1.00e-01	< 98.90	<9.89e1	n/a	n/a	n/a	98.90	n/a
S96T002285	A	Manganese -ICP-Acid Digest	ug/g	90.40	<1.00e-02	80.30	65.00	72.65	21.1	n/a	9.880	n/a
S96T002285	A	Molybdenum -ICP-Acid Digest	ug/g	89.60	<5.00e-02	< 49.40	<4.95e1	n/a	n/a	n/a	49.40	n/a
S96T002285	A	Sodium -ICP-Acid Digest	ug/g	97.00	6.07e-01	2.19e+05	2.06e+05	2.12e+05	6.12	n/a	98.90	n/a
S96T002285	A	Neodymium -ICP-Acid Digest	ug/g	89.20	<1.00e-01	< 98.90	<9.89e1	n/a	n/a	n/a	98.90	n/a
S96T002285	A	Nickel -ICP-Acid Digest	ug/g	91.40	<2.00e-02	< 19.80	<1.98e1	n/a	n/a	n/a	19.80	n/a
S96T002285	A	Phosphorus -ICP-Acid Digest	ug/g	93.40	<2.00e-01	1.41e+03	2.67e+03	2.04e+03	61.8	n/a	198.0	n/a
S96T002285	A	Lead -ICP-Acid Digest	ug/g	87.00	<1.00e-01	< 98.90	<9.89e1	n/a	n/a	n/a	98.90	n/a
S96T002285	A	Sulfur -ICP-Acid Digest	ug/g	90.40	<1.00e-01	1.73e+03	1.44e+03	1.58e+03	18.3	n/a	98.90	n/a
S96T002285	A	Antimony -ICP-Acid Digest	ug/g	90.20	<6.00e-02	< 59.30	<5.94e1	n/a	n/a	n/a	59.30	n/a
S96T002285	A	Selenium -ICP-Acid Digest	ug/g	103.2	<1.00e-01	1.44e+02	147.0	145.5	2.06	n/a	98.90	n/a
S96T002285	A	Silicon -ICP-Acid Digest	ug/g	120.6	9.00e-02	2.61e+02	336.0	298.5	25.1	n/a	49.40	n/a
S96T002285	A	Samarium -ICP-Acid Digest	ug/g	90.60	<1.00e-01	< 98.90	<9.89e1	n/a	n/a	n/a	98.90	n/a
S96T002285	A	Strontium -ICP-Acid Digest	ug/g	88.40	<1.00e-02	< 9.890	<9.89e0	n/a	n/a	n/a	9.880	n/a
S96T002285	A	Titanium-ICP-Acid Digest	ug/g	84.00	<1.00e-02	< 9.890	<9.89e0	n/a	n/a	n/a	9.880	n/a
S96T002285	A	Thallium -ICP-Acid Digest	ug/g	84.20	<2.00e-01	<1.98e+02	<1.98e2	n/a	n/a	n/a	198.0	n/a
S96T002285	A	Uranium -ICP-Acid Digest	ug/g	90.60	<5.00e-01	<4.94e+02	<4.95e2	n/a	n/a	n/a	494.0	n/a
S96T002285	A	Vanadium -ICP-Acid Digest	ug/g	89.40	<5.00e-02	< 49.40	<4.95e1	n/a	n/a	n/a	49.40	n/a
S96T002285	A	Zinc -ICP-Acid Digest	ug/g	87.80	2.00e-02	17.60	14.40	16.00	20.0	n/a	9.880	n/a
S96T002285	A	Zirconium -ICP-Acid Digest	ug/g	96.40	<1.00e-02	< 9.890	<9.89e0	n/a	n/a	n/a	9.880	n/a

U-107 Final Report
U-107

CORE NUMBER: 134
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%
S96T001061			Bulk Density of Sample	g/mL	n/a	n/a	1.740	n/a	n/a	n/a	n/a	5.00e-01	n/a
S96T001064			DSC Exotherm using Mettler	Joules/g	106.2	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001064			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001064			% Water by TGA using Mettler	%	102.4	n/a	23.61	22.76	23.19	3.67	n/a	n/a	n/a
S96T001064			TIC by Acid/Coulometry	ug/g	100.2	1.800	7.05e+03	7.02e+03	7.04e+03	0.43	101.0	5.000	n/a
S96T001064			TOC by Persulfate/Coulometry	ug/g	95.00	3.300	3.67e+03	3.68e+03	3.68e+03	0.27	97.30	40.00	n/a
S96T001074	W		Fluoride-IC-Dionex 4000i/4500	ug/g	94.07	<1.30e-02	<1.22e+02	<1.28e2	n/a	n/a	n/a	122.5	n/a
S96T001074	W		Chloride-IC-Dionex 4000i/4500	ug/g	100.0	<1.70e-02	3.09e+03	4.03e+03	3.56e+03	26.4	n/a	160.1	n/a
S96T001074	W		Nitrite-IC - Dionex 4000i/4500	ug/g	98.78	<1.07e-01	3.41e+04	4.50e+04	3.96e+04	27.6	n/a	1.01e+03	n/a
S96T001074	W		Bromide by Ion Chromatograph	ug/g	98.09	<1.26e-01	<1.19e+03	<1.24e3	n/a	n/a	n/a	1.19e+03	n/a
S96T001074	W		Nitrate by IC-Dionex4000i/4500	ug/g	95.60	<1.40e-01	2.78e+05	4.17e+05	3.47e+05	40.0	n/a	1.32e+03	n/a
S96T001074	W		Phosphate-IC-Dionex 4000i/4500	ug/g	93.41	<1.19e-01	5.33e+03	6.16e+03	5.74e+03	14.4	n/a	1.12e+03	n/a
S96T001074	W		Sulfate by IC-Dionex4000i/4500	ug/g	97.46	<1.36e-01	6.60e+03	7.91e+03	7.25e+03	18.1	n/a	1.28e+03	n/a
S96T001074	W		Oxalate by IC - Dionex 4000i	ug/g	99.25	<1.05e-01	2.18e+03	3.03e+03	2.60e+03	32.6	n/a	988.9	n/a
S96T001083	A		Silver -ICP-Acid Digest	ug/g	94.80	<1.00e-02	15.20	14.60	14.90	4.03	n/a	5.990	n/a
S96T001083	A		Aluminium -ICP-Acid Digest	ug/g	99.20	9.20e-02	1.04e+04	1.04e+04	1.04e+04	0.00	n/a	30.00	n/a
S96T001083	A		Arsenic -ICP-Acid Digest	ug/g	98.40	<1.00e-01	< 60.00	<5.74e1	n/a	n/a	n/a	60.00	n/a
S96T001083	A		Boron -ICP-Acid Digest	ug/g	110.6	3.17e-01	84.00	79.70	81.85	5.25	n/a	30.00	n/a
S96T001083	A		Barium -ICP-Acid Digest	ug/g	97.60	<5.00e-02	< 30.00	<2.87e1	n/a	n/a	n/a	30.00	n/a
S96T001083	A		Beryllium -ICP-Acid Digest	ug/g	108.8	<5.00e-03	< 3.000	<2.87e0	n/a	n/a	n/a	3.000	n/a
S96T001083	A		Bismuth -ICP-Acid Digest	ug/g	95.20	<1.00e-01	< 60.00	<5.74e1	n/a	n/a	n/a	60.00	n/a
S96T001083	A		Calcium -ICP-Acid Digest	ug/g	95.80	1.12e-01	2.49e+02	250.0	249.5	0.40	n/a	60.00	n/a
S96T001083	A		Cadmium -ICP-Acid Digest	ug/g	93.60	<5.00e-03	4.130	3.820	3.975	7.80	n/a	3.000	n/a
S96T001083	A		Cerium -ICP-Acid Digest	ug/g	100.4	<1.00e-01	< 60.00	<5.74e1	n/a	n/a	n/a	60.00	n/a
S96T001083	A		Cobalt -ICP-Acid Digest	ug/g	96.00	<2.00e-02	< 12.00	<1.15e1	n/a	n/a	n/a	12.00	n/a
S96T001083	A		Chromium -ICP-Acid Digest	ug/g	94.40	<1.00e-02	2.11e+03	2.12e+03	2.12e+03	0.47	n/a	5.990	n/a
S96T001083	A		Copper -ICP-Acid Digest	ug/g	98.00	1.60e-02	< 6.000	<5.74e0	n/a	n/a	n/a	5.990	n/a
S96T001083	A		Iron -ICP-Acid Digest	ug/g	95.20	<5.00e-02	2.82e+02	274.0	278.0	2.88	n/a	30.00	n/a
S96T001083	A		Potassium -ICP-Acid Digest	ug/g	96.40	<5.00e-01	1.20e+03	1.19e+03	1.20e+03	0.84	n/a	300.0	n/a
S96T001083	A		Lanthanum -ICP-Acid Digest	ug/g	98.60	<5.00e-02	< 30.00	<2.87e1	n/a	n/a	n/a	30.00	n/a
S96T001083	A		Lithium -ICP-Acid Digest	ug/g	100.2	<1.00e-02	< 6.000	<5.74e0	n/a	n/a	n/a	5.990	n/a
S96T001083	A		Magnesium -ICP-Acid Digest	ug/g	94.00	<1.00e-01	< 60.00	<5.74e1	n/a	n/a	n/a	60.00	n/a
S96T001083	A		Manganese -ICP-Acid Digest	ug/g	92.60	<1.00e-02	94.30	92.60	93.45	1.82	n/a	5.990	n/a
S96T001083	A		Molybdenum -ICP-Acid Digest	ug/g	94.00	<5.00e-02	34.20	31.90	33.05	6.96	n/a	30.00	n/a
S96T001083	A		Sodium -ICP-Acid Digest	ug/g	120.0	5.67e-01	1.95e+05	1.91e+05	1.93e+05	2.07	n/a	60.00	n/a
S96T001083	A		Neodymium -ICP-Acid Digest	ug/g	100.2	<1.00e-01	< 60.00	<5.74e1	n/a	n/a	n/a	60.00	n/a
S96T001083	A		Nickel -ICP-Acid Digest	ug/g	96.20	<2.00e-02	27.50	23.90	25.70	14.0	n/a	12.00	n/a
S96T001083	A		Phosphorus -ICP-Acid Digest	ug/g	98.00	<2.00e-01	1.40e+03	1.02e+03	1.21e+03	31.4	n/a	120.0	n/a
S96T001083	A		Lead -ICP-Acid Digest	ug/g	89.60	<1.00e-01	< 60.00	<5.74e1	n/a	n/a	n/a	60.00	n/a
S96T001083	A		Sulfur -ICP-Acid Digest	ug/g	96.60	<1.00e-01	1.77e+03	1.83e+03	1.80e+03	3.33	n/a	60.00	n/a
S96T001083	A		Antimony -ICP-Acid Digest	ug/g	94.80	<6.00e-02	< 36.00	<3.45e1	n/a	n/a	n/a	36.00	n/a
S96T001083	A		Selenium -ICP-Acid Digest	ug/g	94.80	<1.00e-01	< 60.00	<5.74e1	n/a	n/a	n/a	60.00	n/a
S96T001083	A		Silicon -ICP-Acid Digest	ug/g	113.6	9.80e-02	48.40	74.30	61.35	42.2	n/a	30.00	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001083		A	Samarium -ICP-Acid Digest	ug/g	99.20	<1.00e-01	< 60.00	<5.74e1	n/a	n/a	n/a	60.00	n/a
S96T001083		A	Strontium -ICP-Acid Digest	ug/g	97.20	<1.00e-02	< 6.000	<5.74e0	n/a	n/a	n/a	5.990	n/a
S96T001083		A	Titanium-ICP-Acid Digest	ug/g	88.60	<1.00e-02	< 6.000	<5.74e0	n/a	n/a	n/a	5.990	n/a
S96T001083		A	Thallium -ICP-Acid Digest	ug/g	92.40	<2.00e-01	<1.20e+02	<1.15e2	n/a	n/a	n/a	120.0	n/a
S96T001083		A	Uranium -ICP-Acid Digest	ug/g	99.70	<5.00e-01	<3.00e+02	<2.87e2	n/a	n/a	n/a	300.0	n/a
S96T001083		A	Vanadium -ICP-Acid Digest	ug/g	95.00	<5.00e-02	< 30.00	<2.87e1	n/a	n/a	n/a	30.00	n/a
S96T001083		A	Zinc -ICP-Acid Digest	ug/g	92.00	<1.00e-02	17.70	16.20	16.95	8.85	n/a	5.990	n/a
S96T001083		A	Zirconium -ICP-Acid Digest	ug/g	98.20	<1.00e-02	< 6.000	<5.74e0	n/a	n/a	n/a	5.990	n/a
S96T001092		F	Alpha of Digested Solid	uCi/g	110.9	<8.72e-03	7.61e-02	7.51e-02	7.56e-02	1.32	94.71	1.40e-02	2.21E+01
S96T002287		A	Silver -ICP-Acid Digest	ug/g	86.40	<1.00e-02	< 10.10	<8.97e0	n/a	n/a	n/a	10.10	n/a
S96T002287		A	Aluminium -ICP-Acid Digest	ug/g	89.40	5.30e-02	1.34e+04	1.14e+04	1.24e+04	16.1	n/a	50.40	n/a
S96T002287		A	Arsenic -ICP-Acid Digest	ug/g	90.80	<1.00e-01	<1.01e+02	<8.97e1	n/a	n/a	n/a	101.0	n/a
S96T002287		A	Boron -ICP-Acid Digest	ug/g	97.20	3.78e-01	1.27e+02	139.0	133.0	9.02	n/a	50.40	n/a
S96T002287		A	Barium -ICP-Acid Digest	ug/g	89.00	<5.00e-02	< 50.40	<4.48e1	n/a	n/a	n/a	50.40	n/a
S96T002287		A	Beryllium -ICP-Acid Digest	ug/g	98.00	<5.00e-03	< 5.040	<4.48e0	n/a	n/a	n/a	5.040	n/a
S96T002287		A	Bismuth -ICP-Acid Digest	ug/g	87.00	<1.00e-01	<1.01e+02	<8.97e1	n/a	n/a	n/a	101.0	n/a
S96T002287		A	Calcium -ICP-Acid Digest	ug/g	91.40	4.35e-01	2.12e+02	236.0	224.0	10.7	n/a	101.0	n/a
S96T002287		A	Cadmium -ICP-Acid Digest	ug/g	88.60	<5.00e-03	6.560	5.120	5.840	24.7	n/a	5.040	n/a
S96T002287		A	Cerium -ICP-Acid Digest	ug/g	91.40	<1.00e-01	<1.01e+02	<8.97e1	n/a	n/a	n/a	101.0	n/a
S96T002287		A	Cobalt -ICP-Acid Digest	ug/g	91.60	<2.00e-02	< 20.20	<1.79e1	n/a	n/a	n/a	20.20	n/a
S96T002287		A	Chromium -ICP-Acid Digest	ug/g	90.60	<1.00e-02	2.14e+03	2.31e+03	2.22e+03	7.64	n/a	10.10	n/a
S96T002287		A	Copper -ICP-Acid Digest	ug/g	85.40	1.90e-02	< 10.10	<8.97e0	n/a	n/a	n/a	10.10	n/a
S96T002287		A	Iron -ICP-Acid Digest	ug/g	90.80	<5.00e-02	3.08e+02	305.0	306.5	0.98	n/a	50.40	n/a
S96T002287		A	Potassium -ICP-Acid Digest	ug/g	98.60	5.29e-01	1.65e+03	1.45e+03	1.55e+03	12.9	n/a	504.0	n/a
S96T002287		A	Lanthanum -ICP-Acid Digest	ug/g	90.00	<5.00e-02	< 50.40	<4.48e1	n/a	n/a	n/a	50.40	n/a
S96T002287		A	Lithium -ICP-Acid Digest	ug/g	87.40	<1.00e-02	< 10.10	<8.97e0	n/a	n/a	n/a	10.10	n/a
S96T002287		A	Magnesium -ICP-Acid Digest	ug/g	88.20	<1.00e-01	<1.01e+02	<8.97e1	n/a	n/a	n/a	101.0	n/a
S96T002287		A	Manganese -ICP-Acid Digest	ug/g	90.40	<1.00e-02	1.02e+02	106.0	104.0	3.85	n/a	10.10	n/a
S96T002287		A	Molybdenum -ICP-Acid Digest	ug/g	89.60	<5.00e-02	< 50.40	<4.48e1	n/a	n/a	n/a	50.40	n/a
S96T002287		A	Sodium -ICP-Acid Digest	ug/g	97.00	6.07e-01	1.95e+05	2.04e+05	2.00e+05	4.51	n/a	101.0	n/a
S96T002287		A	Neodymium -ICP-Acid Digest	ug/g	89.20	<1.00e-01	<1.01e+02	<8.97e1	n/a	n/a	n/a	101.0	n/a
S96T002287		A	Nickel -ICP-Acid Digest	ug/g	91.40	<2.00e-02	32.80	32.10	32.45	2.16	n/a	20.20	n/a
S96T002287		A	Phosphorus -ICP-Acid Digest	ug/g	93.40	<2.00e-01	1.81e+03	1.39e+03	1.60e+03	26.2	n/a	202.0	n/a
S96T002287		A	Lead -ICP-Acid Digest	ug/g	87.00	<1.00e-01	<1.01e+02	<8.97e1	n/a	n/a	n/a	101.0	n/a
S96T002287		A	Sulfur -ICP-Acid Digest	ug/g	90.40	<1.00e-01	2.00e+03	2.15e+03	2.08e+03	7.23	n/a	101.0	n/a
S96T002287		A	Antimony -ICP-Acid Digest	ug/g	90.20	<6.00e-02	< 60.50	<5.38e1	n/a	n/a	n/a	60.50	n/a
S96T002287		A	Selenium -ICP-Acid Digest	ug/g	103.2	<1.00e-01	2.24e+02	262.0	243.0	15.6	n/a	101.0	n/a
S96T002287		A	Silicon -ICP-Acid Digest	ug/g	120.6	9.00e-02	1.31e+02	324.0	227.5	84.8	n/a	50.40	n/a
S96T002287		A	Samarium -ICP-Acid Digest	ug/g	90.60	<1.00e-01	<1.01e+02	<8.97e1	n/a	n/a	n/a	101.0	n/a
S96T002287		A	Strontium -ICP-Acid Digest	ug/g	88.40	<1.00e-02	< 10.10	<8.97e0	n/a	n/a	n/a	10.10	n/a
S96T002287		A	Titanium-ICP-Acid Digest	ug/g	84.00	<1.00e-02	< 10.10	<8.97e0	n/a	n/a	n/a	10.10	n/a
S96T002287		A	Thallium -ICP-Acid Digest	ug/g	84.20	<2.00e-01	<2.02e+02	<1.79e2	n/a	n/a	n/a	202.0	n/a
S96T002287		A	Uranium -ICP-Acid Digest	ug/g	90.60	<5.00e-01	<5.04e+02	<4.48e2	n/a	n/a	n/a	504.0	n/a
S96T002287		A	Vanadium -ICP-Acid Digest	ug/g	89.40	<5.00e-02	< 50.40	<4.48e1	n/a	n/a	n/a	50.40	n/a
S96T002287		A	Zinc -ICP-Acid Digest	ug/g	87.80	2.00e-02	13.50	16.60	15.05	20.6	n/a	10.10	n/a
S96T002287		A	Zirconium -ICP-Acid Digest	ug/g	96.40	<1.00e-02	< 10.10	<8.97e0	n/a	n/a	n/a	10.10	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%
S96T001062			Bulk Density of Sample	g/mL	n/a	n/a	1.730	n/a	n/a	n/a	n/a	5.00e-01	n/a
S96T001065			DSC Exotherm using Mettler	Joules/g	106.2	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001065			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001065			% Water by TGA using Mettler	%	102.4	n/a	28.65	27.64	28.14	1.47	n/a	n/a	n/a
S96T001065			TIC by Acid/Coulometry	ug/g	100.2	1.800	6.42e+03	4.98e+03	5.70e+03	25.3	n/a	5.000	n/a
S96T001065			TOC by Persulfate/Coulometry	ug/g	95.00	3.300	3.05e+03	4.22e+03	3.64e+03	32.2	n/a	40.00	n/a
S96T001075		W	Fluoride-IC-Dionex 4000i/4500	ug/g	91.02	<1.30e-02	<1.45e+02	<1.35e2	n/a	n/a	108.3	144.9	n/a
S96T001075		W	Chloride-IC-Dionex 4000i/4500	ug/g	99.24	<1.70e-02	5.18e+03	5.27e+03	5.22e+03	1.72	100.1	189.5	n/a
S96T001075		W	Nitrite-IC - Dionex 4000i/4500	ug/g	99.31	<1.07e-01	5.59e+04	5.72e+04	5.66e+04	2.30	110.8	1.19e+03	n/a
S96T001075		W	Bromide by Ion Chromatograph	ug/g	98.26	<1.26e-01	<1.40e+03	<1.31e3	n/a	n/a	97.39	1.40e+03	n/a
S96T001075		W	Nitrate by IC-Dionex4000i/4500	ug/g	96.09	<1.40e-01	3.40e+05	3.68e+05	3.54e+05	7.91	124.6	1.56e+03	n/a
S96T001075		W	Phosphate-IC-Dionex 4000i/4500	ug/g	94.87	<1.19e-01	8.26e+03	8.75e+03	8.51e+03	5.76	89.74	1.32e+03	n/a
S96T001075		W	Sulfate by IC-Dionex4000i/4500	ug/g	97.31	<1.36e-01	7.55e+03	7.75e+03	7.65e+03	2.61	96.67	1.52e+03	n/a
S96T001075		W	Oxalate by IC - Dionex 4000i	ug/g	99.44	<1.05e-01	3.00e+03	2.99e+03	2.99e+03	0.33	100.4	1.17e+03	n/a
S96T001084		A	Silver -ICP-Acid Digest	ug/g	94.80	<1.00e-02	14.10	15.00	14.55	6.19	n/a	5.300	n/a
S96T001084		A	Aluminium -ICP-Acid Digest	ug/g	99.20	9.20e-02	1.38e+04	1.45e+04	1.42e+04	4.95	n/a	26.50	n/a
S96T001084		A	Arsenic -ICP-Acid Digest	ug/g	98.40	<1.00e-01	< 53.00	<5.34e1	n/a	n/a	n/a	53.00	n/a
S96T001084		A	Boron -ICP-Acid Digest	ug/g	110.6	3.17e-01	86.40	143.0	114.7	49.3	n/a	26.50	n/a
S96T001084		A	Barium -ICP-Acid Digest	ug/g	97.60	<5.00e-02	< 26.50	<2.67e1	n/a	n/a	n/a	26.50	n/a
S96T001084		A	Beryllium -ICP-Acid Digest	ug/g	108.8	<5.00e-03	< 2.650	<2.67e0	n/a	n/a	n/a	2.650	n/a
S96T001084		A	Bismuth -ICP-Acid Digest	ug/g	95.20	<1.00e-01	< 53.00	<5.34e1	n/a	n/a	n/a	53.00	n/a
S96T001084		A	Calcium -ICP-Acid Digest	ug/g	95.80	1.12e-01	1.95e+02	252.0	223.5	25.5	n/a	53.00	n/a
S96T001084		A	Cadmium -ICP-Acid Digest	ug/g	93.60	<5.00e-03	3.480	3.640	3.560	4.49	n/a	2.650	n/a
S96T001084		A	Cerium -ICP-Acid Digest	ug/g	100.4	<1.00e-01	< 53.00	<5.34e1	n/a	n/a	n/a	53.00	n/a
S96T001084		A	Cobalt -ICP-Acid Digest	ug/g	96.00	<2.00e-02	< 10.60	<1.07e1	n/a	n/a	n/a	10.60	n/a
S96T001084		A	Chromium -ICP-Acid Digest	ug/g	94.40	<1.00e-02	2.81e+03	3.04e+03	2.92e+03	7.86	n/a	5.300	n/a
S96T001084		A	Copper -ICP-Acid Digest	ug/g	98.00	1.60e-02	5.530	<5.34e0	n/a	n/a	n/a	5.300	n/a
S96T001084		A	Iron -ICP-Acid Digest	ug/g	95.20	<5.00e-02	2.10e+02	227.0	218.5	7.78	n/a	26.50	n/a
S96T001084		A	Potassium -ICP-Acid Digest	ug/g	96.40	<5.00e-01	1.48e+03	1.43e+03	1.46e+03	3.44	n/a	265.0	n/a
S96T001084		A	Lanthanum -ICP-Acid Digest	ug/g	98.60	<5.00e-02	< 26.50	<2.67e1	n/a	n/a	n/a	26.50	n/a
S96T001084		A	Lithium -ICP-Acid Digest	ug/g	100.2	<1.00e-02	< 5.300	<5.34e0	n/a	n/a	n/a	5.300	n/a
S96T001084		A	Magnesium -ICP-Acid Digest	ug/g	94.00	<1.00e-01	< 53.00	<5.34e1	n/a	n/a	n/a	53.00	n/a
S96T001084		A	Manganese -ICP-Acid Digest	ug/g	92.60	<1.00e-02	89.10	95.60	92.35	7.04	n/a	5.300	n/a
S96T001084		A	Molybdenum -ICP-Acid Digest	ug/g	94.00	<5.00e-02	40.90	41.80	41.35	2.18	n/a	26.50	n/a
S96T001084		A	Sodium -ICP-Acid Digest	ug/g	120.0	5.67e-01	1.78e+05	1.92e+05	1.85e+05	7.57	n/a	53.00	n/a
S96T001084		A	Neodymium -ICP-Acid Digest	ug/g	100.2	<1.00e-01	< 53.00	<5.34e1	n/a	n/a	n/a	53.00	n/a
S96T001084		A	Nickel -ICP-Acid Digest	ug/g	96.20	<2.00e-02	27.30	31.30	29.30	13.7	n/a	10.60	n/a
S96T001084		A	Phosphorus -ICP-Acid Digest	ug/g	98.00	<2.00e-01	1.51e+03	1.73e+03	1.62e+03	13.6	n/a	106.0	n/a
S96T001084		A	Lead -ICP-Acid Digest	ug/g	89.60	<1.00e-01	< 53.00	<5.34e1	n/a	n/a	n/a	53.00	n/a
S96T001084		A	Sulfur -ICP-Acid Digest	ug/g	96.60	<1.00e-01	1.72e+03	1.84e+03	1.78e+03	6.74	n/a	53.00	n/a
S96T001084		A	Antimony -ICP-Acid Digest	ug/g	94.80	<6.00e-02	< 31.80	<3.20e1	n/a	n/a	n/a	31.80	n/a
S96T001084		A	Selenium -ICP-Acid Digest	ug/g	94.80	<1.00e-01	< 53.00	<5.34e1	n/a	n/a	n/a	53.00	n/a
S96T001084		A	Silicon -ICP-Acid Digest	ug/g	113.6	9.80e-02	93.00	103.0	98.00	10.2	n/a	26.50	n/a
S96T001084		A	Samarium -ICP-Acid Digest	ug/g	99.20	<1.00e-01	< 53.00	<5.34e1	n/a	n/a	n/a	53.00	n/a
S96T001084		A	Strontium -ICP-Acid Digest	ug/g	97.20	<1.00e-02	< 5.300	<5.34e0	n/a	n/a	n/a	5.300	n/a
S96T001084		A	Titanium-ICP-Acid Digest	ug/g	88.60	<1.00e-02	< 5.300	<5.34e0	n/a	n/a	n/a	5.300	n/a
S96T001084		A	Thallium -ICP-Acid Digest	ug/g	92.40	<2.00e-01	<1.06e+02	<1.07e2	n/a	n/a	n/a	106.0	n/a
S96T001084		A	Uranium -ICP-Acid Digest	ug/g	99.70	<5.00e-01	<2.65e+02	<2.67e2	n/a	n/a	n/a	265.0	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001084		A	Vanadium -ICP-Acid Digest	ug/g	95.00	<5.00e-02	< 26.50	<2.67e1	n/a	n/a	n/a	26.50	n/a
S96T001084		A	Zinc -ICP-Acid Digest	ug/g	92.00	<1.00e-02	15.80	19.80	17.80	22.5	n/a	5.300	n/a
S96T001084		A	Zirconium -ICP-Acid Digest	ug/g	98.20	<1.00e-02	< 5.300	<5.34e0	n/a	n/a	n/a	5.300	n/a
S96T001093		F	Alpha of Digested Solid	uCi/g	110.9	<8.72e-03	9.65e-02	9.80e-02	9.73e-02	1.54	n/a	3.00e-02	3.03E+01
S96T002288		A	Silver -ICP-Acid Digest	ug/g	86.40	<1.00e-02	42.80	15.80	29.30	92.2	12.90	8.380	n/a
S96T002288		A	Aluminium -ICP-Acid Digest	ug/g	89.40	5.30e-02	1.53e+04	1.51e+04	1.52e+04	1.32	n/a	41.90	n/a
S96T002288		A	Arsenic -ICP-Acid Digest	ug/g	90.80	<1.00e-01	< 83.80	<8.73e1	n/a	n/a	92.80	83.80	n/a
S96T002288		A	Boron -ICP-Acid Digest	ug/g	97.20	3.78e-01	1.18e+02	138.0	128.0	15.6	85.58	41.90	n/a
S96T002288		A	Barium -ICP-Acid Digest	ug/g	89.00	<5.00e-02	< 41.90	<4.36e1	n/a	n/a	92.00	41.90	n/a
S96T002288		A	Beryllium -ICP-Acid Digest	ug/g	98.00	<5.00e-03	< 4.190	<4.36e0	n/a	n/a	93.40	4.190	n/a
S96T002288		A	Bismuth -ICP-Acid Digest	ug/g	87.00	<1.00e-01	< 83.80	<8.73e1	n/a	n/a	91.60	83.80	n/a
S96T002288		A	Calcium -ICP-Acid Digest	ug/g	91.40	4.35e-01	2.50e+02	241.0	245.5	3.67	76.92	83.80	n/a
S96T002288		A	Cadmium -ICP-Acid Digest	ug/g	88.60	<5.00e-03	5.160	4.920	5.040	4.76	90.58	4.190	n/a
S96T002288		A	Cerium -ICP-Acid Digest	ug/g	91.40	<1.00e-01	< 83.80	<8.73e1	n/a	n/a	96.00	83.80	n/a
S96T002288		A	Cobalt -ICP-Acid Digest	ug/g	91.60	<2.00e-02	< 16.80	<1.75e1	n/a	n/a	94.80	16.80	n/a
S96T002288		A	Chromium -ICP-Acid Digest	ug/g	90.60	<1.00e-02	3.32e+03	3.10e+03	3.21e+03	6.85	n/a	8.380	n/a
S96T002288		A	Copper -ICP-Acid Digest	ug/g	85.40	1.90e-02	< 8.380	<8.73e0	n/a	n/a	88.60	8.380	n/a
S96T002288		A	Iron -ICP-Acid Digest	ug/g	90.80	<5.00e-02	2.55e+02	239.0	247.0	6.48	77.38	41.90	n/a
S96T002288		A	Potassium -ICP-Acid Digest	ug/g	98.60	5.29e-01	1.62e+03	1.66e+03	1.64e+03	2.44	n/a	419.0	n/a
S96T002288		A	Lanthanum -ICP-Acid Digest	ug/g	90.00	<5.00e-02	< 41.90	<4.36e1	n/a	n/a	92.60	41.90	n/a
S96T002288		A	Lithium -ICP-Acid Digest	ug/g	87.40	<1.00e-02	< 8.380	<8.73e0	n/a	n/a	88.80	8.380	n/a
S96T002288		A	Magnesium -ICP-Acid Digest	ug/g	88.20	<1.00e-01	< 83.80	<8.73e1	n/a	n/a	88.80	83.80	n/a
S96T002288		A	Manganese -ICP-Acid Digest	ug/g	90.40	<1.00e-02	1.13e+02	103.0	108.0	9.26	85.72	8.380	n/a
S96T002288		A	Molybdenum -ICP-Acid Digest	ug/g	89.60	<5.00e-02	43.50	<4.36e1	n/a	n/a	88.60	41.90	n/a
S96T002288		A	Sodium -ICP-Acid Digest	ug/g	97.00	6.07e-01	2.00e+05	1.95e+05	1.98e+05	2.53	n/a	83.80	n/a
S96T002288		A	Neodymium -ICP-Acid Digest	ug/g	89.20	<1.00e-01	< 83.80	<8.73e1	n/a	n/a	91.80	83.80	n/a
S96T002288		A	Nickel -ICP-Acid Digest	ug/g	91.40	<2.00e-02	39.10	37.70	38.40	3.65	91.54	16.80	n/a
S96T002288		A	Phosphorus -ICP-Acid Digest	ug/g	93.40	<2.00e-01	1.93e+03	1.76e+03	1.84e+03	9.21	n/a	168.0	n/a
S96T002288		A	Lead -ICP-Acid Digest	ug/g	87.00	<1.00e-01	< 83.80	<8.73e1	n/a	n/a	93.00	83.80	n/a
S96T002288		A	Sulfur -ICP-Acid Digest	ug/g	90.40	<1.00e-01	2.02e+03	1.92e+03	1.97e+03	5.08	n/a	83.80	n/a
S96T002288		A	Antimony -ICP-Acid Digest	ug/g	90.20	<6.00e-02	1.09e+02	<5.24e1	n/a	n/a	82.54	50.30	n/a
S96T002288		A	Selenium -ICP-Acid Digest	ug/g	103.2	<1.00e-01	3.66e+02	351.0	358.5	4.18	86.10	83.80	n/a
S96T002288		A	Silicon -ICP-Acid Digest	ug/g	120.6	9.00e-02	3.15e+02	297.0	306.0	5.88	80.00	41.90	n/a
S96T002288		A	Samarium -ICP-Acid Digest	ug/g	90.60	<1.00e-01	< 83.80	<8.73e1	n/a	n/a	91.80	83.80	n/a
S96T002288		A	Strontium -ICP-Acid Digest	ug/g	88.40	<1.00e-02	< 8.380	<8.73e0	n/a	n/a	92.00	8.380	n/a
S96T002288		A	Titanium-ICP-Acid Digest	ug/g	84.00	<1.00e-02	< 8.380	<8.73e0	n/a	n/a	85.80	8.380	n/a
S96T002288		A	Thallium -ICP-Acid Digest	ug/g	84.20	<2.00e-01	<1.68e+02	<1.75e2	n/a	n/a	87.80	168.0	n/a
S96T002288		A	Uranium -ICP-Acid Digest	ug/g	90.60	<5.00e-01	<4.19e+02	<4.36e2	n/a	n/a	94.40	419.0	n/a
S96T002288		A	Vanadium -ICP-Acid Digest	ug/g	89.40	<5.00e-02	< 41.90	<4.36e1	n/a	n/a	91.80	41.90	n/a
S96T002288		A	Zinc -ICP-Acid Digest	ug/g	87.80	2.00e-02	37.10	21.60	29.35	52.8	88.98	8.380	n/a
S96T002288		A	Zirconium -ICP-Acid Digest	ug/g	96.40	<1.00e-02	< 8.380	<8.73e0	n/a	n/a	98.80	8.380	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%
S96T001047			Bulk Density of Sample	g/mL	n/a	n/a	1.660	n/a	n/a	n/a	n/a	5.00e-01	n/a
S96T001057			DSC Exotherm using Mettler	Joules/g	94.90	n/a	1.47e+02	148.0	147.5	0.68	n/a	n/a	n/a
S96T001057			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	2.33e+02	234.5	233.7	0.68	n/a	n/a	n/a
S96T001057			% Water by TGA using Mettler	%	99.97	n/a	34.53	39.23	36.88	12.7	n/a	n/a	n/a
S96T001057			TIC by Acid/Coulometry	ug/g	99.67	1.600	8.82e+03	9.02e+03	8.92e+03	2.24	n/a	5.000	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001057			TOC by Persulfate/Coulometry	ug/g	94.00	2.700	5.21e+03	5.12e+03	5.16e+03	1.74	n/a	40.00	n/a
S96T001073		W	Fluoride-IC-Dionex 4000i/4500	ug/g	94.07	<1.30e-02	5.66e+02	588.0	577.0	3.81	104.2	134.7	n/a
S96T001073		W	Chloride-IC-Dionex 4000i/4500	ug/g	100.0	<1.70e-02	5.86e+03	5.89e+03	5.88e+03	0.51	144.3	176.2	n/a
S96T001073		W	Nitrite-IC - Dionex 4000i/4500	ug/g	98.78	<1.07e-01	6.23e+04	6.39e+04	6.31e+04	2.54	105.6	1.11e+03	n/a
S96T001073		W	Bromide by Ion Chromatograph	ug/g	98.09	<1.26e-01	<1.31e+03	<1.41e3	n/a	n/a	96.35	1.31e+03	n/a
S96T001073		W	Nitrate by IC-Dionex4000i/4500	ug/g	95.60	<1.40e-01	2.53e+05	2.57e+05	2.55e+05	1.57	105.5	1.45e+03	n/a
S96T001073		W	Phosphate-IC-Dionex 4000i/4500	ug/g	93.41	<1.19e-01	1.36e+04	1.45e+04	1.41e+04	6.41	90.66	1.23e+03	n/a
S96T001073		W	Sulfate by IC-Dionex4000i/4500	ug/g	97.46	<1.36e-01	7.05e+03	7.05e+03	7.05e+03	0.00	94.29	1.41e+03	n/a
S96T001073		W	Oxalate by IC - Dionex 4000i	ug/g	99.25	<1.05e-01	5.99e+03	6.17e+03	6.08e+03	2.96	98.51	1.09e+03	n/a
S96T001082		A	Silver -ICP-Acid Digest	ug/g	94.80	<1.00e-02	14.80	14.70	14.75	0.68	n/a	5.320	n/a
S96T001082		A	Aluminium -ICP-Acid Digest	ug/g	99.20	9.20e-02	1.95e+04	1.83e+04	1.89e+04	6.35	n/a	26.60	n/a
S96T001082		A	Arsenic -ICP-Acid Digest	ug/g	98.40	<1.00e-01	< 53.20	<5.48e1	n/a	n/a	n/a	53.20	n/a
S96T001082		A	Boron -ICP-Acid Digest	ug/g	110.6	3.17e-01	47.50	50.50	49.00	6.12	n/a	26.60	n/a
S96T001082		A	Barium -ICP-Acid Digest	ug/g	97.60	<5.00e-02	< 26.60	<2.74e1	n/a	n/a	n/a	26.60	n/a
S96T001082		A	Beryllium -ICP-Acid Digest	ug/g	108.8	<5.00e-03	< 2.660	<2.74e0	n/a	n/a	n/a	2.660	n/a
S96T001082		A	Bismuth -ICP-Acid Digest	ug/g	95.20	<1.00e-01	63.40	56.70	60.05	11.2	n/a	53.20	n/a
S96T001082		A	Calcium -ICP-Acid Digest	ug/g	95.80	1.12e-01	3.26e+02	315.0	320.5	3.43	n/a	53.20	n/a
S96T001082		A	Cadmium -ICP-Acid Digest	ug/g	93.60	<5.00e-03	7.500	7.790	7.645	3.79	n/a	2.660	n/a
S96T001082		A	Cerium -ICP-Acid Digest	ug/g	100.4	<1.00e-01	< 53.20	<5.48e1	n/a	n/a	n/a	53.20	n/a
S96T001082		A	Cobalt -ICP-Acid Digest	ug/g	96.00	<2.00e-02	< 10.60	<1.10e1	n/a	n/a	n/a	10.60	n/a
S96T001082		A	Chromium -ICP-Acid Digest	ug/g	94.40	<1.00e-02	6.02e+03	5.89e+03	5.96e+03	2.18	n/a	5.320	n/a
S96T001082		A	Copper -ICP-Acid Digest	ug/g	98.00	1.60e-02	11.30	11.00	11.15	2.69	n/a	5.320	n/a
S96T001082		A	Iron -ICP-Acid Digest	ug/g	95.20	<5.00e-02	1.72e+03	1.69e+03	1.70e+03	1.76	n/a	26.60	n/a
S96T001082		A	Potassium -ICP-Acid Digest	ug/g	96.40	<5.00e-01	1.69e+03	1.58e+03	1.64e+03	6.73	n/a	266.0	n/a
S96T001082		A	Lanthanum -ICP-Acid Digest	ug/g	98.60	<5.00e-02	< 26.60	<2.74e1	n/a	n/a	n/a	26.60	n/a
S96T001082		A	Lithium -ICP-Acid Digest	ug/g	100.2	<1.00e-02	< 5.320	<5.48e0	n/a	n/a	n/a	5.320	n/a
S96T001082		A	Magnesium -ICP-Acid Digest	ug/g	94.00	<1.00e-01	1.09e+02	108.0	108.5	0.92	n/a	53.20	n/a
S96T001082		A	Manganese -ICP-Acid Digest	ug/g	92.60	<1.00e-02	6.51e+02	630.0	640.5	3.28	n/a	5.320	n/a
S96T001082		A	Molybdenum -ICP-Acid Digest	ug/g	94.00	<5.00e-02	47.70	44.90	46.30	6.05	n/a	26.60	n/a
S96T001082		A	Sodium -ICP-Acid Digest	ug/g	120.0	5.67e-01	1.73e+05	1.68e+05	1.70e+05	2.93	n/a	53.20	n/a
S96T001082		A	Neodymium -ICP-Acid Digest	ug/g	100.2	<1.00e-01	< 53.20	<5.48e1	n/a	n/a	n/a	53.20	n/a
S96T001082		A	Nickel -ICP-Acid Digest	ug/g	96.20	<2.00e-02	58.20	55.60	56.90	4.57	n/a	10.60	n/a
S96T001082		A	Phosphorus -ICP-Acid Digest	ug/g	98.00	<2.00e-01	3.65e+03	3.36e+03	3.50e+03	8.27	n/a	106.0	n/a
S96T001082		A	Lead -ICP-Acid Digest	ug/g	89.60	<1.00e-01	1.13e+02	110.0	111.5	2.69	n/a	53.20	n/a
S96T001082		A	Sulfur -ICP-Acid Digest	ug/g	96.60	<1.00e-01	1.52e+03	1.43e+03	1.48e+03	6.10	n/a	53.20	n/a
S96T001082		A	Antimony -ICP-Acid Digest	ug/g	94.80	<6.00e-02	< 31.90	<3.29e1	n/a	n/a	n/a	31.90	n/a
S96T001082		A	Selenium -ICP-Acid Digest	ug/g	94.80	<1.00e-01	< 53.20	<5.48e1	n/a	n/a	n/a	53.20	n/a
S96T001082		A	Silicon -ICP-Acid Digest	ug/g	113.6	9.80e-02	1.31e+02	154.0	142.5	16.1	n/a	26.60	n/a
S96T001082		A	Samarium -ICP-Acid Digest	ug/g	99.20	<1.00e-01	< 53.20	<5.48e1	n/a	n/a	n/a	53.20	n/a
S96T001082		A	Strontium -ICP-Acid Digest	ug/g	97.20	<1.00e-02	< 5.320	<5.48e0	n/a	n/a	n/a	5.320	n/a
S96T001082		A	Titanium-ICP-Acid Digest	ug/g	88.60	<1.00e-02	5.700	6.010	5.855	5.29	n/a	5.320	n/a
S96T001082		A	Thallium -ICP-Acid Digest	ug/g	92.40	<2.00e-01	<1.06e+02	<1.10e2	n/a	n/a	n/a	106.0	n/a
S96T001082		A	Uranium -ICP-Acid Digest	ug/g	99.70	<5.00e-01	<2.66e+02	<2.74e2	n/a	n/a	n/a	266.0	n/a
S96T001082		A	Vanadium -ICP-Acid Digest	ug/g	95.00	<5.00e-02	< 26.60	<2.74e1	n/a	n/a	n/a	26.60	n/a
S96T001082		A	Zinc -ICP-Acid Digest	ug/g	92.00	<1.00e-02	42.00	41.60	41.80	0.96	n/a	5.320	n/a
S96T001082		A	Zirconium -ICP-Acid Digest	ug/g	98.20	<1.00e-02	7.950	7.310	7.630	8.39	n/a	5.320	n/a
S96T001091		F	Alpha of Digested Solid	uCi/g	108.6	<1.18e-02	2.85e-01	3.19e-01	3.02e-01	11.3	n/a	2.00e-02	1.08E+01
S96T002286		A	Silver -ICP-Acid Digest	ug/g	86.40	<1.00e-02	< 9.180	<8.93e0	n/a	n/a	n/a	9.180	n/a
S96T002286		A	Aluminium -ICP-Acid Digest	ug/g	89.40	5.30e-02	2.11e+04	2.09e+04	2.10e+04	0.95	n/a	45.90	n/a
S96T002286		A	Arsenic -ICP-Acid Digest	ug/g	90.80	<1.00e-01	< 91.80	<8.93e1	n/a	n/a	n/a	91.80	n/a

Sample# R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T002286	A	Boron -ICP-Acid Digest	ug/g	97.20	3.78e-01	55.80	97.00	76.40	53.9	n/a	45.90	n/a
S96T002286	A	Barium -ICP-Acid Digest	ug/g	89.00	<5.00e-02	< 45.90	<4.47e1	n/a	n/a	n/a	45.90	n/a
S96T002286	A	Beryllium -ICP-Acid Digest	ug/g	98.00	<5.00e-03	< 4.590	<4.47e0	n/a	n/a	n/a	4.590	n/a
S96T002286	A	Bismuth -ICP-Acid Digest	ug/g	87.00	<1.00e-01	< 91.80	<8.93e1	n/a	n/a	n/a	91.80	n/a
S96T002286	A	Calcium -ICP-Acid Digest	ug/g	91.40	4.35e-01	3.31e+02	321.0	326.0	3.07	n/a	91.80	n/a
S96T002286	A	Cadmium -ICP-Acid Digest	ug/g	88.60	<5.00e-03	10.40	8.710	9.555	17.7	n/a	4.590	n/a
S96T002286	A	Cerium -ICP-Acid Digest	ug/g	91.40	<1.00e-01	< 91.80	<8.93e1	n/a	n/a	n/a	91.80	n/a
S96T002286	A	Cobalt -ICP-Acid Digest	ug/g	91.60	<2.00e-02	< 18.40	<1.79e1	n/a	n/a	n/a	18.40	n/a
S96T002286	A	Chromium -ICP-Acid Digest	ug/g	90.60	<1.00e-02	6.92e+03	6.86e+03	6.89e+03	0.87	n/a	9.180	n/a
S96T002286	A	Copper -ICP-Acid Digest	ug/g	85.40	1.90e-02	16.10	17.70	16.90	9.47	n/a	9.180	n/a
S96T002286	A	Iron -ICP-Acid Digest	ug/g	90.80	<5.00e-02	1.98e+03	2.16e+03	2.07e+03	8.70	n/a	45.90	n/a
S96T002286	A	Potassium -ICP-Acid Digest	ug/g	98.60	5.29e-01	1.84e+03	1.85e+03	1.84e+03	0.54	n/a	459.0	n/a
S96T002286	A	Lanthanum -ICP-Acid Digest	ug/g	90.00	<5.00e-02	< 45.90	<4.47e1	n/a	n/a	n/a	45.90	n/a
S96T002286	A	Lithium -ICP-Acid Digest	ug/g	87.40	<1.00e-02	< 9.180	<8.93e0	n/a	n/a	n/a	9.180	n/a
S96T002286	A	Magnesium -ICP-Acid Digest	ug/g	88.20	<1.00e-01	1.18e+02	117.0	117.5	0.85	n/a	91.80	n/a
S96T002286	A	Manganese -ICP-Acid Digest	ug/g	90.40	<1.00e-02	7.80e+02	771.0	775.5	1.16	n/a	9.180	n/a
S96T002286	A	Molybdenum -ICP-Acid Digest	ug/g	89.60	<5.00e-02	50.10	49.70	49.90	0.80	n/a	45.90	n/a
S96T002286	A	Sodium -ICP-Acid Digest	ug/g	97.00	6.07e-01	1.84e+05	1.82e+05	1.83e+05	1.09	n/a	91.80	n/a
S96T002286	A	Neodymium -ICP-Acid Digest	ug/g	89.20	<1.00e-01	< 91.80	<8.93e1	n/a	n/a	n/a	91.80	n/a
S96T002286	A	Nickel -ICP-Acid Digest	ug/g	91.40	<2.00e-02	73.20	73.80	73.50	0.82	n/a	18.40	n/a
S96T002286	A	Phosphorus -ICP-Acid Digest	ug/g	93.40	<2.00e-01	4.41e+03	4.26e+03	4.34e+03	3.46	n/a	184.0	n/a
S96T002286	A	Lead -ICP-Acid Digest	ug/g	87.00	<1.00e-01	1.34e+02	138.0	136.0	2.94	n/a	91.80	n/a
S96T002286	A	Sulfur -ICP-Acid Digest	ug/g	90.40	<1.00e-01	1.72e+03	1.62e+03	1.67e+03	5.99	n/a	91.80	n/a
S96T002286	A	Antimony -ICP-Acid Digest	ug/g	90.20	<6.00e-02	< 55.10	<5.36e1	n/a	n/a	n/a	55.10	n/a
S96T002286	A	Selenium -ICP-Acid Digest	ug/g	103.2	<1.00e-01	8.86e+02	854.0	870.0	3.68	n/a	91.80	n/a
S96T002286	A	Silicon -ICP-Acid Digest	ug/g	120.6	9.00e-02	3.56e+02	383.0	369.5	7.31	n/a	45.90	n/a
S96T002286	A	Samarium -ICP-Acid Digest	ug/g	90.60	<1.00e-01	< 91.80	<8.93e1	n/a	n/a	n/a	91.80	n/a
S96T002286	A	Strontium -ICP-Acid Digest	ug/g	88.40	<1.00e-02	< 9.180	<8.93e0	n/a	n/a	n/a	9.180	n/a
S96T002286	A	Titanium-ICP-Acid Digest	ug/g	84.00	<1.00e-02	< 9.180	<8.93e0	n/a	n/a	n/a	9.180	n/a
S96T002286	A	Thallium -ICP-Acid Digest	ug/g	84.20	<2.00e-01	<1.84e+02	<1.79e2	n/a	n/a	n/a	184.0	n/a
S96T002286	A	Uranium -ICP-Acid Digest	ug/g	90.60	<5.00e-01	<4.59e+02	<4.47e2	n/a	n/a	n/a	459.0	n/a
S96T002286	A	Vanadium -ICP-Acid Digest	ug/g	89.40	<5.00e-02	< 45.90	<4.47e1	n/a	n/a	n/a	45.90	n/a
S96T002286	A	Zinc -ICP-Acid Digest	ug/g	87.80	2.00e-02	50.60	47.00	48.80	7.38	n/a	9.180	n/a
S96T002286	A	Zirconium -ICP-Acid Digest	ug/g	96.40	<1.00e-02	9.360	11.00	10.18	16.1	n/a	9.180	n/a

U-107 Final Report
U-107

CORE NUMBER: 134
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%
S96T001067			Bulk Density of Sample	g/mL	n/a	n/a	1.680	n/a	n/a	n/a	n/a	5.00e-01	n/a
S96T001068			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001068			DSC Exotherm on Perkin Elmer	Joules/g	93.78	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001068			% Water by TGA on Perkin Elmer	%	99.93	n/a	38.28	43.35	40.81	12.4	n/a	n/a	n/a
S96T001068			TIC by Acid/Coulometry	ug/g	99.34	2.100	2.17e+03	1.95e+03	2.06e+03	10.7	n/a	5.000	n/a
S96T001068			TOC by Persulfate/Coulometry	ug/g	102.3	9.300	9.52e+03	8.56e+03	9.04e+03	10.6	n/a	40.00	n/a
S96T001077		W	Fluoride-IC-Dionex 4000i/4500	ug/g	93.39	<1.30e-02	4.92e+02	470.0	480.9	4.57	110.2	94.22	n/a
S96T001077		W	Chloride-IC-Dionex 4000i/4500	ug/g	94.43	<1.70e-02	3.39e+03	5.89e+03	4.64e+03	53.9	94.94	123.2	n/a
S96T001077		W	Nitrite-IC - Dionex 4000i/4500	ug/g	98.44	<1.07e-01	3.59e+04	3.22e+04	3.41e+04	10.9	101.6	775.3	n/a
S96T001077		W	Bromide by Ion Chromatograph	ug/g	97.04	<1.26e-01	1.84e+03	<9.68e2	n/a	n/a	91.65	913.1	n/a
S96T001077		W	Nitrate by IC-Dionex4000i/4500	ug/g	98.05	<1.40e-01	2.20e+05	2.51e+05	2.35e+05	13.2	104.2	1.01e+03	n/a
S96T001077		W	Phosphate-IC-Dionex 4000i/4500	ug/g	95.97	<1.19e-01	6.70e+04	5.91e+04	6.30e+04	12.5	92.67	861.8	n/a
S96T001077		W	Sulfate by IC-Dionex4000i/4500	ug/g	98.73	<1.36e-01	2.52e+03	2.96e+03	2.74e+03	16.1	94.93	984.8	n/a
S96T001077		W	Oxalate by IC - Dionex 4000i	ug/g	100.0	<1.05e-01	1.57e+04	1.48e+04	1.53e+04	5.90	100.6	761.0	n/a
S96T001086		A	Silver -ICP-Acid Digest	ug/g	94.50	<1.00e-02	16.60	18.00	17.30	8.09	n/a	5.460	n/a
S96T001086		A	Aluminium -ICP-Acid Digest	ug/g	95.40	1.43e-01	1.16e+04	2.11e+04	1.64e+04	58.1	n/a	27.30	n/a
S96T001086		A	Arsenic -ICP-Acid Digest	ug/g	97.60	<1.00e-01	< 54.60	<6.04e1	n/a	n/a	n/a	54.60	n/a
S96T001086		A	Boron -ICP-Acid Digest	ug/g	103.8	6.37e-01	34.00	64.60	49.30	62.1	n/a	27.30	n/a
S96T001086		A	Barium -ICP-Acid Digest	ug/g	95.60	<5.00e-02	< 27.30	<3.02e1	n/a	n/a	n/a	27.30	n/a
S96T001086		A	Beryllium -ICP-Acid Digest	ug/g	107.2	<5.00e-03	< 2.730	<3.02e0	n/a	n/a	n/a	2.730	n/a
S96T001086		A	Bismuth -ICP-Acid Digest	ug/g	95.40	<1.00e-01	2.54e+02	379.0	316.5	39.5	n/a	54.60	n/a
S96T001086		A	Calcium -ICP-Acid Digest	ug/g	97.60	2.87e-01	3.87e+02	668.0	527.5	53.3	n/a	54.60	n/a
S96T001086		A	Cadmium -ICP-Acid Digest	ug/g	94.60	<5.00e-03	9.360	16.60	12.98	55.8	n/a	2.730	n/a
S96T001086		A	Cerium -ICP-Acid Digest	ug/g	100.2	<1.00e-01	< 54.60	<6.04e1	n/a	n/a	n/a	54.60	n/a
S96T001086		A	Cobalt -ICP-Acid Digest	ug/g	96.80	<2.00e-02	< 10.90	<1.21e1	n/a	n/a	n/a	10.90	n/a
S96T001086		A	Chromium -ICP-Acid Digest	ug/g	95.20	1.00e-02	8.05e+03	1.41e+04	1.11e+04	54.6	n/a	5.460	n/a
S96T001086		A	Copper -ICP-Acid Digest	ug/g	94.40	2.80e-02	28.20	37.90	33.05	29.3	n/a	5.460	n/a
S96T001086		A	Iron -ICP-Acid Digest	ug/g	95.00	7.10e-02	6.25e+03	1.02e+04	8.22e+03	48.0	n/a	27.30	n/a
S96T001086		A	Potassium -ICP-Acid Digest	ug/g	95.20	<5.00e-01	5.93e+02	875.0	734.0	38.4	n/a	273.0	n/a
S96T001086		A	Lanthanum -ICP-Acid Digest	ug/g	97.40	<5.00e-02	< 27.30	<3.02e1	n/a	n/a	n/a	27.30	n/a
S96T001086		A	Lithium -ICP-Acid Digest	ug/g	95.60	<1.00e-02	17.20	35.50	26.35	69.4	n/a	5.460	n/a
S96T001086		A	Magnesium -ICP-Acid Digest	ug/g	90.80	<1.00e-01	2.73e+02	448.0	360.5	48.5	n/a	54.60	n/a
S96T001086		A	Manganese -ICP-Acid Digest	ug/g	93.00	<1.00e-02	1.23e+03	2.11e+03	1.67e+03	52.7	n/a	5.460	n/a
S96T001086		A	Molybdenum -ICP-Acid Digest	ug/g	95.00	<5.00e-02	< 27.30	38.20	n/a	n/a	n/a	27.30	n/a
S96T001086		A	Sodium -ICP-Acid Digest	ug/g	113.8	1.190	1.74e+05	1.54e+05	1.64e+05	12.2	n/a	54.60	n/a
S96T001086		A	Neodymium -ICP-Acid Digest	ug/g	96.40	<1.00e-01	< 54.60	<6.04e1	n/a	n/a	n/a	54.60	n/a
S96T001086		A	Nickel -ICP-Acid Digest	ug/g	96.40	<2.00e-02	66.60	114.0	90.30	52.5	n/a	10.90	n/a
S96T001086		A	Phosphorus -ICP-Acid Digest	ug/g	96.80	<2.00e-01	1.27e+04	2.48e+04	1.88e+04	64.5	n/a	109.0	n/a
S96T001086		A	Lead -ICP-Acid Digest	ug/g	92.60	<1.00e-01	3.49e+02	564.0	456.5	47.1	n/a	54.60	n/a
S96T001086		A	Sulfur -ICP-Acid Digest	ug/g	94.00	<1.00e-01	2.79e+02	489.0	384.0	54.7	n/a	54.60	n/a
S96T001086		A	Antimony -ICP-Acid Digest	ug/g	96.60	<6.00e-02	< 32.80	<3.62e1	n/a	n/a	n/a	32.80	n/a
S96T001086		A	Selenium -ICP-Acid Digest	ug/g	91.60	<1.00e-01	< 54.60	<6.04e1	n/a	n/a	n/a	54.60	n/a
S96T001086		A	Silicon -ICP-Acid Digest	ug/g	138.2	6.50e-01	2.49e+02	397.0	323.0	45.8	n/a	27.30	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001086		A	Samarium -ICP-Acid Digest	ug/g	94.80	<1.00e-01	< 54.60	<6.04e1	n/a	n/a	n/a	54.60	n/a
S96T001086		A	Strontium -ICP-Acid Digest	ug/g	95.00	<1.00e-02	11.70	19.50	15.60	50.0	n/a	5.460	n/a
S96T001086		A	Titanium-ICP-Acid Digest	ug/g	88.80	<1.00e-02	14.30	21.60	17.95	40.7	n/a	5.460	n/a
S96T001086		A	Thallium -ICP-Acid Digest	ug/g	91.00	<2.00e-01	<1.09e+02	<1.21e2	n/a	n/a	n/a	109.0	n/a
S96T001086		A	Uranium -ICP-Acid Digest	ug/g	92.50	<5.00e-01	5.54e+02	880.0	717.0	45.5	n/a	273.0	n/a
S96T001086		A	Vanadium -ICP-Acid Digest	ug/g	93.80	<5.00e-02	< 27.30	<3.02e1	n/a	n/a	n/a	27.30	n/a
S96T001086		A	Zinc -ICP-Acid Digest	ug/g	92.20	1.80e-02	90.30	138.0	114.2	41.8	n/a	5.460	n/a
S96T001086		A	Zirconium -ICP-Acid Digest	ug/g	101.8	<1.00e-02	18.10	20.00	19.05	9.97	n/a	5.460	n/a
S96T001095		F	Alpha of Digested Solid	uCi/g	119.5	<7.05e-03	9.10e-01	6.09e-01	7.60e-01	39.6	87.19	1.50e-02	8.08E+00

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%
S96T001058			DSC Exotherm using Mettler	Joules/g	94.90	n/a	11.50	79.70	45.60	150	n/a	n/a	n/a
S96T001058			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	18.11	125.5	71.81	150	n/a	n/a	n/a
S96T001058			% Water by TGA using Mettler	%	99.97	n/a	44.21	28.19	36.20	44.3	n/a	n/a	n/a
S96T001058			TIC by Acid/Coulometry	ug/g	99.67	1.600	3.85e+03	3.96e+03	3.90e+03	2.82	92.00	5.000	n/a
S96T001058			TOC by Persulfate/Coulometry	ug/g	94.00	2.700	5.11e+03	5.19e+03	5.15e+03	1.55	90.00	40.00	n/a
S96T001066			Bulk Density of Sample	g/mL	n/a	n/a	1.760	n/a	n/a	n/a	n/a	5.00e-01	n/a
S96T001076		W	Fluoride-IC-Dionex 4000i/4500	ug/g	91.02	<1.30e-02	3.78e+02	319.0	348.2	16.9	n/a	128.3	n/a
S96T001076		W	Chloride-IC-Dionex 4000i/4500	ug/g	99.24	<1.70e-02	3.38e+03	2.87e+03	3.12e+03	16.3	n/a	167.7	n/a
S96T001076		W	Nitrite-IC - Dionex 4000i/4500	ug/g	99.31	<1.07e-01	3.57e+04	3.05e+04	3.31e+04	15.7	n/a	1.06e+03	n/a
S96T001076		W	Bromide by Ion Chromatograph	ug/g	98.26	<1.26e-01	2.56e+03	2.63e+03	2.60e+03	2.70	n/a	1.24e+03	n/a
S96T001076		W	Nitrate by IC-Dionex4000i/4500	ug/g	96.09	<1.40e-01	2.64e+05	2.49e+05	2.57e+05	5.85	n/a	1.38e+03	n/a
S96T001076		W	Phosphate-IC-Dionex 4000i/4500	ug/g	94.87	<1.19e-01	6.03e+04	4.97e+04	5.50e+04	19.3	n/a	1.17e+03	n/a
S96T001076		W	Sulfate by IC-Dionex4000i/4500	ug/g	97.31	<1.36e-01	3.79e+03	3.51e+03	3.65e+03	7.67	n/a	1.34e+03	n/a
S96T001076		W	Oxalate by IC - Dionex 4000i	ug/g	99.44	<1.05e-01	9.93e+03	8.16e+03	9.05e+03	19.6	n/a	1.04e+03	n/a
S96T001085		A	Silver -ICP-Acid Digest	ug/g	94.50	<1.00e-02	13.00	13.70	13.35	5.24	91.40	5.890	n/a
S96T001085		A	Aluminium -ICP-Acid Digest	ug/g	95.40	1.43e-01	1.43e+04	2.09e+04	1.76e+04	37.5	839.5	29.40	n/a
S96T001085		A	Arsenic -ICP-Acid Digest	ug/g	97.60	<1.00e-01	< 58.80	<5.55e1	n/a	n/a	92.20	58.80	n/a
S96T001085		A	Boron -ICP-Acid Digest	ug/g	103.8	6.37e-01	34.10	144.0	89.05	123	90.92	29.40	n/a
S96T001085		A	Barium -ICP-Acid Digest	ug/g	95.60	<5.00e-02	< 29.40	<2.78e1	n/a	n/a	91.60	29.40	n/a
S96T001085		A	Beryllium -ICP-Acid Digest	ug/g	107.2	<5.00e-03	< 2.940	<2.78e0	n/a	n/a	92.60	2.940	n/a
S96T001085		A	Bismuth -ICP-Acid Digest	ug/g	95.40	<1.00e-01	1.07e+02	116.0	111.5	8.07	92.90	58.80	n/a
S96T001085		A	Calcium -ICP-Acid Digest	ug/g	97.60	2.87e-01	4.81e+02	449.0	465.0	6.88	89.76	58.80	n/a
S96T001085		A	Cadmium -ICP-Acid Digest	ug/g	94.60	<5.00e-03	8.930	8.210	8.570	8.40	91.28	2.940	n/a
S96T001085		A	Cerium -ICP-Acid Digest	ug/g	100.2	<1.00e-01	< 58.80	<5.55e1	n/a	n/a	95.80	58.80	n/a
S96T001085		A	Cobalt -ICP-Acid Digest	ug/g	96.80	<2.00e-02	< 11.80	<1.11e1	n/a	n/a	93.00	11.80	n/a
S96T001085		A	Chromium -ICP-Acid Digest	ug/g	95.20	1.00e-02	8.04e+03	8.39e+03	8.22e+03	4.26	148.1	5.890	n/a
S96T001085		A	Copper -ICP-Acid Digest	ug/g	94.40	2.80e-02	11.80	12.10	11.95	2.51	89.20	5.890	n/a
S96T001085		A	Iron -ICP-Acid Digest	ug/g	95.00	7.10e-02	3.45e+03	3.52e+03	3.48e+03	2.01	120.4	29.40	n/a
S96T001085		A	Potassium -ICP-Acid Digest	ug/g	95.20	<5.00e-01	7.67e+02	780.0	773.5	1.68	89.76	294.0	n/a
S96T001085		A	Lanthanum -ICP-Acid Digest	ug/g	97.40	<5.00e-02	< 29.40	<2.78e1	n/a	n/a	95.00	29.40	n/a
S96T001085		A	Lithium -ICP-Acid Digest	ug/g	95.60	<1.00e-02	53.60	51.60	52.60	3.80	90.54	5.890	n/a
S96T001085		A	Magnesium -ICP-Acid Digest	ug/g	90.80	<1.00e-01	1.57e+02	155.0	156.0	1.28	85.44	58.80	n/a
S96T001085		A	Manganese -ICP-Acid Digest	ug/g	93.00	<1.00e-02	2.27e+03	2.28e+03	2.28e+03	0.44	108.9	5.890	n/a
S96T001085		A	Molybdenum -ICP-Acid Digest	ug/g	95.00	<5.00e-02	< 29.40	<2.78e1	n/a	n/a	93.00	29.40	n/a
S96T001085		A	Sodium -ICP-Acid Digest	ug/g	113.8	1.190	1.63e+05	1.73e+05	1.68e+05	5.95	1.74e+03	58.80	n/a
S96T001085		A	Neodymium -ICP-Acid Digest	ug/g	96.40	<1.00e-01	< 58.80	<5.55e1	n/a	n/a	94.60	58.80	n/a
S96T001085		A	Nickel -ICP-Acid Digest	ug/g	96.40	<2.00e-02	70.40	81.60	76.00	14.7	93.22	11.80	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001085		A	Phosphorus -ICP-Acid Digest	ug/g	96.80	<2.00e-01	1.64e+04	1.58e+04	1.61e+04	3.73	n/a	118.0	n/a
S96T001085		A	Lead -ICP-Acid Digest	ug/g	92.60	<1.00e-01	2.56e+02	266.0	261.0	3.83	91.34	58.80	n/a
S96T001085		A	Sulfur -ICP-Acid Digest	ug/g	94.00	<1.00e-01	5.16e+02	517.0	516.5	0.19	94.76	58.80	n/a
S96T001085		A	Antimony -ICP-Acid Digest	ug/g	96.60	<6.00e-02	< 35.30	<3.33e1	n/a	n/a	92.00	35.30	n/a
S96T001085		A	Selenium -ICP-Acid Digest	ug/g	91.60	<1.00e-01	< 58.80	<5.55e1	n/a	n/a	86.80	58.80	n/a
S96T001085		A	Silicon -ICP-Acid Digest	ug/g	138.2	6.50e-01	3.02e+02	393.0	347.5	26.2	39.38	29.40	n/a
S96T001085		A	Samarium -ICP-Acid Digest	ug/g	94.80	<1.00e-01	< 58.80	<5.55e1	n/a	n/a	90.80	58.80	n/a
S96T001085		A	Strontium -ICP-Acid Digest	ug/g	95.00	<1.00e-02	7.440	7.740	7.590	3.95	90.64	5.890	n/a
S96T001085		A	Titanium-ICP-Acid Digest	ug/g	88.80	<1.00e-02	9.140	8.890	9.015	2.77	80.86	5.890	n/a
S96T001085		A	Thallium -ICP-Acid Digest	ug/g	91.00	<2.00e-01	<1.18e+02	<1.11e2	n/a	n/a	88.20	118.0	n/a
S96T001085		A	Uranium -ICP-Acid Digest	ug/g	92.50	<5.00e-01	3.33e+02	334.0	333.5	0.30	89.02	294.0	n/a
S96T001085		A	Vanadium -ICP-Acid Digest	ug/g	93.80	<5.00e-02	< 29.40	<2.78e1	n/a	n/a	90.00	29.40	n/a
S96T001085		A	Zinc -ICP-Acid Digest	ug/g	92.20	1.80e-02	83.90	85.40	84.65	1.77	91.04	5.890	n/a
S96T001085		A	Zirconium -ICP-Acid Digest	ug/g	101.8	<1.00e-02	11.80	7.030	9.415	50.7	12.70	5.890	n/a
S96T001094		F	Alpha of Digested Solid	uCi/g	110.9	<8.72e-03	4.30e-01	3.82e-01	4.06e-01	11.8	n/a	2.90e-02	1.28E+01

U-107 Final Report
U-107

CORE NUMBER: 135
SEGMENT #: 1R

SEGMENT PORTION: W Whole Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T002132			DSC Exotherm using Mettler	Joules/g	104.7	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T002132			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T002132			% Water by TGA using Mettler	%	99.70	n/a	18.55	16.45	17.50	12.0	n/a	n/a	n/a
S96T002135		F	Cobalt-60 by GEA	uCi/g	98.66	<1.35e-02	<1.30e-02	<1.37e-2	n/a	n/a	n/a	1.30e-02	n/a
S96T002135		F	Cesium-137 by GEA	uCi/g	99.11	<5.01e-02	72.32	67.70	70.01	6.57	n/a	n/a	0.560
S96T002135		F	Europium-154 by GEA	uCi/g	n/a	<5.49e-02	<3.47e-02	<4.36e-2	n/a	n/a	n/a	3.50e-02	n/a
S96T002135		F	Europium-155 by GEA	uCi/g	n/a	<5.05e-02	<2.00e-01	<1.93e-1	n/a	n/a	n/a	2.00e-01	n/a
S96T002135		F	Americium-241 by GEA	uCi/g	n/a	<1.31e-01	<5.13e-01	<5.09e-1	n/a	n/a	n/a	5.13e-01	n/a
S96T002135		F	Alpha of Digested Solid	uCi/g	98.44	<1.75e-03	<2.88e-03	<2.76E-3	n/a	n/a	n/a	4.00e-03	2.53E+02

Drainable Liquid: Drainable Liquid

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T002141			DSC Exotherm using Mettler	Joules/g	106.5	n/a	2.96e+02	273.3	284.8	8.04	n/a	n/a	n/a
S96T002141			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	5.59e+02	516.0	537.6	8.04	n/a	n/a	n/a
S96T002141			OH- by Pot. Titration	ug/mL	99.16	<42.00	2.27e+04	2.81e+04	2.54e+04	21.3	n/a	2.50e+03	n/a
S96T002141			pH Direct	pH	n/a	n/a	12.70	12.69	12.70	0.08	n/a	1.00e-02	n/a
S96T002141			Specific Gravity	Sp.G.	97.93	n/a	1.474	1.412	1.443	4.30	n/a	1.00e-03	n/a
S96T002141			% Water by TGA using Mettler	%	99.53	n/a	47.03	47.02	47.03	0.02	n/a	n/a	n/a
S96T002141			TIC by Acid/Coulometry	ug/mL	100.3	1.000	4.94e+03	5.01e+03	4.98e+03	1.41	n/a	5.000	n/a
S96T002141			TOC by Persulfate/Coulometry	ug/mL	95.00	5.700	3.19e+03	3.20e+03	3.20e+03	0.31	n/a	40.00	n/a
S96T002141			Strontium-89/90 High Level	uCi/mL	102.4	6.40e-02	1.24e-01	1.12e-01	1.18e-01	10.2	n/a	3.30e-02	2.65E+01
S96T002141			Pu-239/240 by TRU-SPEC Resin	uCi/mL	93.96	<3.04e-05	3.84e-05	4.10e-05	3.97e-05	6.55	n/a	3.20e-05	7.60E+00
S96T002141		D	Silver-ICP-Acid Dil.	ug/mL	98.00	<1.00e-02	16.90	16.70	16.80	1.19	44.50	6.010	n/a
S96T002141		D	Aluminium-ICP-Acid Dil.	ug/mL	97.60	<5.00e-02	2.35e+04	2.35e+04	2.35e+04	0.00	n/a	30.10	n/a
S96T002141		D	Arsenic-ICP-Acid Dil.	ug/mL	101.8	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	96.40	60.10	n/a
S96T002141		D	Boron-ICP-Acid Dil.	ug/mL	100.8	<5.00e-02	69.70	69.90	69.80	0.29	96.30	30.10	n/a
S96T002141		D	Barium-ICP-Acid Dil.	ug/mL	99.80	<5.00e-02	< 30.10	<3.01e1	n/a	n/a	98.60	30.10	n/a
S96T002141		D	Beryllium-ICP-Acid Dil.	ug/mL	103.2	<5.00e-03	< 3.000	<3.00e0	n/a	n/a	101.4	3.000	n/a
S96T002141		D	Bismuth-ICP-Acid Dil.	ug/mL	100.0	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	103.1	60.10	n/a
S96T002141		D	Calcium-ICP-Acid Dil.	ug/mL	102.6	<1.00e-01	98.40	93.20	95.80	5.43	101.0	60.10	n/a
S96T002141		D	Cadmium-ICP-Acid Dil.	ug/mL	99.20	<5.00e-03	< 3.000	<3.00e0	n/a	n/a	98.60	3.000	n/a
S96T002141		D	Cerium-ICP-Acid Dil.	ug/mL	102.4	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	101.4	60.10	n/a
S96T002141		D	Cobalt-ICP-Acid Dil.	ug/mL	100.6	<2.00e-02	< 12.00	<1.20e1	n/a	n/a	99.80	12.00	n/a
S96T002141		D	Chromium-ICP-Acid Dil.	ug/mL	101.0	<1.00e-02	7.99e+02	794.0	796.5	0.63	91.40	6.010	n/a
S96T002141		D	Copper-ICP-Acid Dil.	ug/mL	103.8	<1.00e-02	< 6.010	<6.01e0	n/a	n/a	102.8	6.010	n/a
S96T002141		D	Iron-ICP-Acid Dil.	ug/mL	101.4	<5.00e-02	< 30.10	<3.01e1	n/a	n/a	101.1	30.10	n/a
S96T002141		D	Potassium-ICP-Acid Dil.	ug/mL	93.60	<5.00e-01	3.21e+03	3.05e+03	3.13e+03	5.11	n/a	300.0	n/a
S96T002141		D	Lanthanum-ICP-Acid Dil.	ug/mL	100.6	<5.00e-02	< 30.10	<3.01e1	n/a	n/a	100.4	30.10	n/a
S96T002141		D	Lithium-ICP-Acid Dil.	ug/mL	100.2	<1.00e-02	< 6.010	<6.01e0	n/a	n/a	98.90	6.010	n/a
S96T002141		D	Magnesium-ICP-Acid Dil.	ug/mL	97.60	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	95.80	60.10	n/a
S96T002141		D	Manganese-ICP-Acid Dil.	ug/mL	97.60	<1.00e-02	< 6.010	<6.01e0	n/a	n/a	95.10	6.010	n/a
S96T002141		D	Molybdenum-ICP-Acid Dil.	ug/mL	101.0	<5.00e-02	93.10	92.80	92.95	0.32	100.4	30.10	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T002141		D	Sodium-ICP-Acid Dil.	ug/mL	98.60	<1.00e-01	2.34e+05	2.33e+05	2.34e+05	0.43	n/a	60.10	n/a
S96T002141		D	Neodymium-ICP-Acid Dil.	ug/mL	101.4	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	100.8	60.10	n/a
S96T002141		D	Nickel-ICP-Acid Dil.	ug/mL	98.80	<2.00e-02	16.80	15.30	16.05	9.35	96.80	12.00	n/a
S96T002141		D	Phosphorus-ICP-Acid Dil.	ug/mL	98.40	<2.00e-01	1.21e+03	1.21e+03	1.21e+03	0.00	79.20	120.0	n/a
S96T002141		D	Lead-ICP-Acid Dil.	ug/mL	98.60	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	99.10	60.10	n/a
S96T002141		D	Sulfer-ICP-Acid Dil.	ug/mL	99.20	<1.00e-01	2.59e+03	2.57e+03	2.58e+03	0.78	72.80	60.10	n/a
S96T002141		D	Antimony-ICP-Acid Dil.	ug/mL	96.20	<6.00e-02	< 36.10	<3.61e1	n/a	n/a	94.60	36.10	n/a
S96T002141		D	Selenium-ICP-Acid Dil.	ug/mL	97.60	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	101.4	60.10	n/a
S96T002141		D	Silicon-ICP-Acid Dil.	ug/mL	95.00	<5.00e-02	1.12e+02	111.0	111.5	0.90	93.50	30.10	n/a
S96T002141		D	Samarium-ICP-Acid Dil.	ug/mL	98.00	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	96.60	60.10	n/a
S96T002141		D	Strontium-ICP-Acid Dil.	ug/mL	99.40	<1.00e-02	< 6.010	<6.01e0	n/a	n/a	98.80	6.010	n/a
S96T002141		D	Titanium-ICP-Acid Dil.	ug/mL	98.20	<1.00e-02	< 6.010	<6.01e0	n/a	n/a	97.60	6.010	n/a
S96T002141		D	Thallium-ICP-Acid Dil.	ug/mL	96.40	<2.00e-01	<1.20e+02	<1.20e2	n/a	n/a	92.50	120.0	n/a
S96T002141		D	Uranium-ICP-Acid Dil.	ug/mL	97.70	<5.00e-01	<3.00e+02	<3.00e2	n/a	n/a	94.60	300.0	n/a
S96T002141		D	Vanadium-ICP-Acid Dil.	ug/mL	100.6	<5.00e-02	< 30.10	<3.01e1	n/a	n/a	99.80	30.10	n/a
S96T002141		D	Zinc-ICP-Acid Dil.	ug/mL	100.2	<1.00e-02	17.20	16.50	16.85	4.15	100.6	6.010	n/a
S96T002141		D	Zirconium-ICP-Acid Dil.	ug/mL	99.00	<1.00e-02	< 6.010	<6.01e0	n/a	n/a	98.40	6.010	n/a
S96T002141			Fluoride-IC-Dionex 4000i/4500	ug/mL	103.2	<1.30e-02	< 53.83	<5.38e1	n/a	n/a	n/a	53.83	n/a
S96T002141			Chloride-IC-Dionex 4000i/4500	ug/mL	94.05	<1.70e-02	9.32e+03	9.72e+03	9.52e+03	4.20	n/a	70.40	n/a
S96T002141			Nitrite-IC - Dionex 4000i/4500	ug/mL	98.54	<1.07e-01	1.14e+05	1.16e+05	1.15e+05	1.74	n/a	443.1	n/a
S96T002141			Bromide by Ion Chromatograph	ug/mL	95.83	<1.26e-01	<5.22e+02	<5.22e2	n/a	n/a	n/a	521.8	n/a
S96T002141			Nitrate-IC - Dionex 4000i/4500	ug/mL	98.70	1.51e-01	2.37e+05	2.37e+05	2.37e+05	0.00	n/a	1.43e+03	n/a
S96T002141			Phosphate-IC-Dionex 4000i/4500	ug/mL	97.80	<1.19e-01	3.73e+03	4.65e+03	4.19e+03	22.0	n/a	492.4	n/a
S96T002141			Sulfate by IC-Dionex4000i/4500	ug/mL	98.42	<1.36e-01	7.02e+03	7.33e+03	7.18e+03	4.32	n/a	562.8	n/a
S96T002141			Oxalate by IC - Dionex 4000i	ug/mL	99.61	<1.05e-01	5.55e+02	637.0	596.1	13.8	n/a	434.8	n/a
S96T002141			Cobalt-60 by GEA	uCi/mL	95.48	<1.66e-03	<3.28e-02	<2.93e-2	n/a	n/a	n/a	3.30e-02	n/a
S96T002141			Cesium-137 by GEA	uCi/mL	97.19	<4.92e-03	5.65e+02	571.0	568.0	1.06	n/a	n/a	0.250
S96T002141			Europium-154 by GEA	uCi/mL	n/a	<4.02e-03	<1.26e-01	<9.91e-2	n/a	n/a	n/a	1.26e-01	n/a
S96T002141			Europium-155 by GEA	uCi/mL	n/a	<7.42e-03	< 1.030	<1.03e0	n/a	n/a	n/a	1.030	n/a
S96T002141			Americium-241 by GEA	uCi/mL	n/a	<1.41e-02	< 2.072	<2.07e0	n/a	n/a	n/a	2.072	n/a
S96T002141			Alpha in Liquid Samples	uCi/mL	109.4	<1.33e-02	<1.65e-02	<1.65E-2	n/a	n/a	n/a	2.00e-02	1.67E+02

U-107 Final Report
U-107

CORE NUMBER: 135
SEGMENT #: 2A

SEGMENT PORTION: W Whole Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T002130			Bulk Density of Sample	g/mL	n/a	n/a	1.880	n/a	n/a	n/a	n/a	5.00e-01	n/a
S96T002133			DSC Exotherm using Mettler	Joules/g	102.6	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T002133			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T002133			% Water by TGA using Mettler	%	99.53	n/a	16.38	15.46	15.92	5.78	n/a	n/a	n/a
S96T002133			TIC by Acid/Coulometry	ug/g	97.51	1.700	1.43e+03	1.42e+03	1.42e+03	0.70	109.0	5.000	n/a
S96T002133			TOC by Persulfate/Coulometry	ug/g	90.00	1.200	1.21e+03	1.15e+03	1.18e+03	5.08	93.10	40.00	n/a
S96T002136		F	Cobalt-60 by GEA	uCi/g	98.66	<1.35e-02	<1.42e-02	<1.65e-2	n/a	n/a	n/a	1.40e-02	n/a
S96T002136		F	Cesium-137 by GEA	uCi/g	99.11	<5.01e-02	62.33	61.80	62.06	0.81	n/a	n/a	0.600
S96T002136		F	Europium-154 by GEA	uCi/g	n/a	<5.49e-02	<4.36e-02	<5.60e-2	n/a	n/a	n/a	4.40e-02	n/a
S96T002136		F	Europium-155 by GEA	uCi/g	n/a	<5.05e-02	<1.82e-01	<1.89e-1	n/a	n/a	n/a	1.82e-01	n/a
S96T002136		F	Americium-241 by GEA	uCi/g	n/a	<1.31e-01	<4.84e-01	<4.91e-1	n/a	n/a	n/a	4.84e-01	n/a
S96T002136		F	Alpha of Digested Solid	uCi/g	115.6	<1.73e-03	1.09e-02	1.94e-02	1.52e-02	56.1	n/a	4.00e-03	4.07E+01
S96T002160		W	Fluoride-IC-Dionex 4000i/4500	ug/g	99.83	<1.30e-02	< 97.62	<1.00e2	n/a	n/a	n/a	97.62	n/a
S96T002160		W	Chloride-IC-Dionex 4000i/4500	ug/g	90.76	<1.70e-02	1.95e+03	1.90e+03	1.93e+03	2.60	n/a	127.7	n/a
S96T002160		W	Nitrite-IC - Dionex 4000i/4500	ug/g	96.35	<1.07e-01	2.32e+04	2.23e+04	2.28e+04	3.96	n/a	803.6	n/a
S96T002160		W	Bromide by Ion Chromatograph	ug/g	95.30	<1.26e-01	<9.46e+02	<9.71e2	n/a	n/a	n/a	946.3	n/a
S96T002160		W	Nitrate by IC-Dionex4000i/4500	ug/g	97.56	<1.40e-01	5.23e+05	4.94e+05	5.09e+05	5.70	n/a	1.05e+03	n/a
S96T002160		W	Phosphate-IC-Dionex 4000i/4500	ug/g	95.06	<1.19e-01	3.70e+03	3.83e+03	3.76e+03	3.45	n/a	893.0	n/a
S96T002160		W	Sulfate by IC-Dionex4000i/4500	ug/g	96.51	<1.36e-01	1.87e+03	2.01e+03	1.94e+03	7.22	n/a	1.02e+03	n/a
S96T002160		W	Oxalate by IC - Dionex 4000i	ug/g	97.86	<1.05e-01	<7.88e+02	<8.10e2	n/a	n/a	n/a	788.4	n/a
S96T002161		A	Silver -ICP-Acid Digest	ug/g	77.70	<1.00e-02	14.30	14.50	14.40	1.39	n/a	4.920	n/a
S96T002161		A	Aluminium -ICP-Acid Digest	ug/g	79.00	5.10e-02	5.23e+03	5.11e+03	5.17e+03	2.32	n/a	24.60	n/a
S96T002161		A	Arsenic -ICP-Acid Digest	ug/g	81.40	<1.00e-01	< 49.20	<4.60e1	n/a	n/a	n/a	49.20	n/a
S96T002161		A	Boron -ICP-Acid Digest	ug/g	81.20	<5.00e-02	80.80	38.90	59.85	70.0	n/a	24.60	n/a
S96T002161		A	Barium -ICP-Acid Digest	ug/g	82.40	<5.00e-02	< 24.60	<2.30e1	n/a	n/a	n/a	24.60	n/a
S96T002161		A	Beryllium -ICP-Acid Digest	ug/g	90.20	<5.00e-03	< 2.460	<2.30e0	n/a	n/a	n/a	2.460	n/a
S96T002161		A	Bismuth -ICP-Acid Digest	ug/g	78.40	<1.00e-01	< 49.20	<4.60e1	n/a	n/a	n/a	49.20	n/a
S96T002161		A	Calcium -ICP-Acid Digest	ug/g	98.60	9.28e-01	1.75e+02	141.0	158.0	21.5	n/a	49.20	n/a
S96T002161		A	Cadmium -ICP-Acid Digest	ug/g	77.40	9.00e-03	< 2.460	<2.30e0	n/a	n/a	n/a	2.460	n/a
S96T002161		A	Cerium -ICP-Acid Digest	ug/g	86.00	<1.00e-01	< 49.20	<4.60e1	n/a	n/a	n/a	49.20	n/a
S96T002161		A	Cobalt -ICP-Acid Digest	ug/g	80.00	<2.00e-02	< 9.830	<9.21e0	n/a	n/a	n/a	9.830	n/a
S96T002161		A	Chromium -ICP-Acid Digest	ug/g	79.40	<1.00e-02	4.51e+02	375.0	413.0	18.4	n/a	4.920	n/a
S96T002161		A	Copper -ICP-Acid Digest	ug/g	80.60	1.10e-02	7.180	<4.60e0	n/a	n/a	n/a	4.920	n/a
S96T002161		A	Iron -ICP-Acid Digest	ug/g	80.80	5.10e-02	9.83e+02	914.0	948.5	7.27	n/a	24.60	n/a
S96T002161		A	Potassium -ICP-Acid Digest	ug/g	76.60	<5.00e-01	7.98e+02	737.0	767.5	7.95	n/a	246.0	n/a
S96T002161		A	Lanthanum -ICP-Acid Digest	ug/g	83.80	<5.00e-02	< 24.60	<2.30e1	n/a	n/a	n/a	24.60	n/a
S96T002161		A	Lithium -ICP-Acid Digest	ug/g	84.00	<1.00e-02	< 4.920	<4.60e0	n/a	n/a	n/a	4.920	n/a
S96T002161		A	Magnesium -ICP-Acid Digest	ug/g	77.40	1.22e-01	< 49.20	<4.60e1	n/a	n/a	n/a	49.20	n/a
S96T002161		A	Manganese -ICP-Acid Digest	ug/g	77.20	<1.00e-02	39.10	23.90	31.50	48.3	n/a	4.920	n/a
S96T002161		A	Molybdenum -ICP-Acid Digest	ug/g	79.40	<5.00e-02	< 24.60	<2.30e1	n/a	n/a	n/a	24.60	n/a
S96T002161		A	Sodium -ICP-Acid Digest	ug/g	88.00	1.96e-01	2.06e+05	2.03e+05	2.04e+05	1.47	n/a	49.20	n/a
S96T002161		A	Neodymium -ICP-Acid Digest	ug/g	83.20	<1.00e-01	< 49.20	<4.60e1	n/a	n/a	n/a	49.20	n/a
S96T002161		A	Nickel -ICP-Acid Digest	ug/g	80.00	2.70e-02	< 9.830	<9.21e0	n/a	n/a	n/a	9.830	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T002161		A	Phosphorus -ICP-Acid Digest	ug/g	84.20	<2.00e-01	1.16e+03	1.08e+03	1.12e+03	7.14	n/a	98.30	n/a
S96T002161		A	Lead -ICP-Acid Digest	ug/g	74.00	<1.00e-01	1.89e+02	<4.60e1	n/a	n/a	n/a	49.20	n/a
S96T002161		A	Sulfur -ICP-Acid Digest	ug/g	78.00	1.31e-01	5.42e+02	513.0	527.5	5.50	n/a	49.20	n/a
S96T002161		A	Antimony -ICP-Acid Digest	ug/g	80.40	<6.00e-02	< 29.50	<2.76e1	n/a	n/a	n/a	29.50	n/a
S96T002161		A	Selenium -ICP-Acid Digest	ug/g	77.60	<1.00e-01	< 49.20	<4.60e1	n/a	n/a	n/a	49.20	n/a
S96T002161		A	Silicon -ICP-Acid Digest	ug/g	78.00	<5.00e-02	3.13e+02	305.0	309.0	2.59	n/a	24.60	n/a
S96T002161		A	Samarium -ICP-Acid Digest	ug/g	81.60	<1.00e-01	< 49.20	<4.60e1	n/a	n/a	n/a	49.20	n/a
S96T002161		A	Strontium -ICP-Acid Digest	ug/g	82.20	<1.00e-02	< 4.920	<4.60e0	n/a	n/a	n/a	4.920	n/a
S96T002161		A	Titanium-ICP-Acid Digest	ug/g	76.20	<1.00e-02	< 4.920	5.190	n/a	n/a	n/a	4.920	n/a
S96T002161		A	Thallium -ICP-Acid Digest	ug/g	75.80	<2.00e-01	< 98.30	<9.21e1	n/a	n/a	n/a	98.30	n/a
S96T002161		A	Uranium -ICP-Acid Digest	ug/g	79.80	<5.00e-01	<2.46e+02	<2.30e2	n/a	n/a	n/a	246.0	n/a
S96T002161		A	Vanadium -ICP-Acid Digest	ug/g	79.40	<5.00e-02	< 24.60	<2.30e1	n/a	n/a	n/a	24.60	n/a
S96T002161		A	Zinc -ICP-Acid Digest	ug/g	74.80	2.10e-02	27.50	22.80	25.15	18.7	n/a	4.920	n/a
S96T002161		A	Zirconium -ICP-Acid Digest	ug/g	86.00	<1.00e-02	< 4.920	<4.60e0	n/a	n/a	n/a	4.920	n/a

Drainable Liquid: Drainable Liquid

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T002142			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T002142			DSC Exotherm on Perkin Elmer	Joules/g	101.6	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T002142			OH- by Pot. Titration	ug/mL	99.16	<42.00	2.51e+04	2.58e+04	2.54e+04	2.75	n/a	2.50e+03	n/a
S96T002142			pH Direct	pH	n/a	n/a	13.50	13.48	13.49	0.15	n/a	1.00e-02	n/a
S96T002142			Specific Gravity	Sp.G.	97.93	n/a	1.665	1.373	1.519	19.2	n/a	1.00e-03	n/a
S96T002142			% Water by TGA using Mettler	%	99.88	n/a	52.45	52.18	52.31	0.52	n/a	n/a	n/a
S96T002142			TIC by Acid/Coulometry	ug/mL	n/a	n/a	6.86e+03	6.83e+03	6.84e+03	0.44	n/a	5.000	n/a
S96T002142			TOC by Persulfate/Coulometry	ug/mL	n/a	n/a	4.92e+03	4.61e+03	4.76e+03	6.51	n/a	40.00	n/a
S96T002142			Strontium-89/90 High Level	uCi/mL	102.4	6.40e-02	1.04e-01	1.16e-01	1.10e-01	10.9	n/a	3.20e-02	3.00E+01
S96T002142			Pu-239/240 by TRU-SPEC Resin	uCi/mL	93.96	<3.04e-05	5.49e-05	5.61e-05	5.55e-05	2.16	n/a	3.23e-05	6.45E+00
S96T002142		D	Silver-ICP-Acid Dil.	ug/mL	98.00	<1.00e-02	16.90	15.50	16.20	8.64	45.70	6.010	n/a
S96T002142		D	Aluminium-ICP-Acid Dil.	ug/mL	97.60	<5.00e-02	2.11e+04	2.08e+04	2.10e+04	1.43	58.00	30.10	n/a
S96T002142		D	Arsenic-ICP-Acid Dil.	ug/mL	101.8	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	94.30	60.10	n/a
S96T002142		D	Boron-ICP-Acid Dil.	ug/mL	100.8	<5.00e-02	65.80	63.40	64.60	3.72	97.80	30.10	n/a
S96T002142		D	Barium-ICP-Acid Dil.	ug/mL	99.80	<5.00e-02	< 30.10	<3.01e1	n/a	n/a	97.90	30.10	n/a
S96T002142		D	Beryllium-ICP-Acid Dil.	ug/mL	103.2	<5.00e-03	< 3.000	<3.00e0	n/a	n/a	101.1	3.000	n/a
S96T002142		D	Bismuth-ICP-Acid Dil.	ug/mL	100.0	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	101.6	60.10	n/a
S96T002142		D	Calcium-ICP-Acid Dil.	ug/mL	102.6	<1.00e-01	97.20	90.70	93.95	6.92	102.6	60.10	n/a
S96T002142		D	Cadmium-ICP-Acid Dil.	ug/mL	99.20	<5.00e-03	< 3.000	<3.00e0	n/a	n/a	98.60	3.000	n/a
S96T002142		D	Cerium-ICP-Acid Dil.	ug/mL	102.4	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	101.8	60.10	n/a
S96T002142		D	Cobalt-ICP-Acid Dil.	ug/mL	100.6	<2.00e-02	< 12.00	<1.20e1	n/a	n/a	99.80	12.00	n/a
S96T002142		D	Chromium-ICP-Acid Dil.	ug/mL	101.0	<1.00e-02	7.70e+02	758.0	764.0	1.57	99.60	6.010	n/a
S96T002142		D	Copper-ICP-Acid Dil.	ug/mL	103.8	<1.00e-02	< 6.010	<6.01e0	n/a	n/a	102.3	6.010	n/a
S96T002142		D	Iron-ICP-Acid Dil.	ug/mL	101.4	<5.00e-02	< 30.10	<3.01e1	n/a	n/a	100.9	30.10	n/a
S96T002142		D	Potassium-ICP-Acid Dil.	ug/mL	93.60	<5.00e-01	2.99e+03	2.92e+03	2.96e+03	2.37	92.70	300.0	n/a
S96T002142		D	Lanthanum-ICP-Acid Dil.	ug/mL	100.6	<5.00e-02	< 30.10	<3.01e1	n/a	n/a	100.3	30.10	n/a
S96T002142		D	Lithium-ICP-Acid Dil.	ug/mL	100.2	<1.00e-02	< 6.010	<6.01e0	n/a	n/a	97.60	6.010	n/a
S96T002142		D	Magnesium-ICP-Acid Dil.	ug/mL	97.60	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	96.10	60.10	n/a
S96T002142		D	Manganese-ICP-Acid Dil.	ug/mL	97.60	<1.00e-02	< 6.010	<6.01e0	n/a	n/a	95.10	6.010	n/a
S96T002142		D	Molybdenum-ICP-Acid Dil.	ug/mL	101.0	<5.00e-02	84.30	82.50	83.40	2.16	100.4	30.10	n/a
S96T002142		D	Sodium-ICP-Acid Dil.	ug/mL	98.60	<1.00e-01	2.22e+05	2.19e+05	2.20e+05	1.36	n/a	60.10	n/a
S96T002142		D	Neodymium-ICP-Acid Dil.	ug/mL	101.4	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	100.4	60.10	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T002142		D	Nickel-ICP-Acid Dil.	ug/mL	98.80	<2.00e-02	18.80	13.50	16.15	32.8	98.50	12.00	n/a
S96T002142		D	Phosphorus-ICP-Acid Dil.	ug/mL	98.40	<2.00e-01	1.17e+03	1.15e+03	1.16e+03	1.72	81.10	120.0	n/a
S96T002142		D	Lead-ICP-Acid Dil.	ug/mL	98.60	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	100.9	60.10	n/a
S96T002142		D	Sulfer-ICP-Acid Dil.	ug/mL	99.20	<1.00e-01	2.43e+03	2.42e+03	2.42e+03	0.41	95.10	60.10	n/a
S96T002142		D	Antimony-ICP-Acid Dil.	ug/mL	96.20	<6.00e-02	< 36.10	<3.61e1	n/a	n/a	95.60	36.10	n/a
S96T002142		D	Selenium-ICP-Acid Dil.	ug/mL	97.60	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	103.1	60.10	n/a
S96T002142		D	Silicon-ICP-Acid Dil.	ug/mL	95.00	<5.00e-02	2.71e+02	263.0	267.0	3.00	100.9	30.10	n/a
S96T002142		D	Samarium-ICP-Acid Dil.	ug/mL	98.00	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	96.10	60.10	n/a
S96T002142		D	Strontium-ICP-Acid Dil.	ug/mL	99.40	<1.00e-02	< 6.010	<6.01e0	n/a	n/a	98.30	6.010	n/a
S96T002142		D	Titanium-ICP-Acid Dil.	ug/mL	98.20	<1.00e-02	< 6.010	<6.01e0	n/a	n/a	97.60	6.010	n/a
S96T002142		D	Thallium-ICP-Acid Dil.	ug/mL	96.40	<2.00e-01	<1.20e+02	<1.20e2	n/a	n/a	94.10	120.0	n/a
S96T002142		D	Uranium-ICP-Acid Dil.	ug/mL	97.70	<5.00e-01	<3.00e+02	<3.00e2	n/a	n/a	95.45	300.0	n/a
S96T002142		D	Vanadium-ICP-Acid Dil.	ug/mL	100.6	<5.00e-02	< 30.10	<3.01e1	n/a	n/a	99.80	30.10	n/a
S96T002142		D	Zinc-ICP-Acid Dil.	ug/mL	100.2	<1.00e-02	18.30	18.00	18.15	1.65	100.7	6.010	n/a
S96T002142		D	Zirconium-ICP-Acid Dil.	ug/mL	99.00	<1.00e-02	< 6.010	<6.01e0	n/a	n/a	98.30	6.010	n/a
S96T002142			Fluoride-IC-Dionex 4000i/4500	ug/mL	97.12	<1.30e-02	< 53.83	<5.38e1	n/a	n/a	86.44	53.83	n/a
S96T002142			Chloride-IC-Dionex 4000i/4500	ug/mL	94.43	<1.70e-02	7.58e+03	7.66e+03	7.62e+03	1.05	107.8	70.40	n/a
S96T002142			Nitrite-IC - Dionex 4000i/4500	ug/mL	98.91	<1.07e-01	9.09e+04	9.11e+04	9.10e+04	0.22	120.6	443.1	n/a
S96T002142			Bromide by Ion Chromatograph	ug/mL	101.0	<1.26e-01	3.39e+03	3.61e+03	3.50e+03	6.29	78.96	521.8	n/a
S96T002142			Nitrate-IC - Dionex 4000i/4500	ug/mL	99.19	<1.40e-01	2.23e+05	2.22e+05	2.23e+05	0.45	134.4	579.7	n/a
S96T002142			Phosphate-IC-Dionex 4000i/4500	ug/mL	99.45	<1.19e-01	6.29e+03	6.54e+03	6.42e+03	3.90	84.07	492.4	n/a
S96T002142			Sulfate by IC-Dionex4000i/4500	ug/mL	99.21	<1.36e-01	9.30e+03	9.42e+03	9.36e+03	1.28	86.37	562.8	n/a
S96T002142			Oxalate by IC - Dionex 4000i	ug/mL	102.9	<1.05e-01	3.44e+03	3.78e+03	3.61e+03	9.42	83.11	434.8	n/a
S96T002142			Cobalt-60 by GEA	uCi/mL	95.48	<1.66e-03	<1.66e-02	<1.63e-2	n/a	n/a	n/a	1.70e-02	n/a
S96T002142			Cesium-137 by GEA	uCi/mL	97.19	<4.92e-03	2.87e+02	276.0	281.5	3.91	n/a	n/a	0.280
S96T002142			Europium-154 by GEA	uCi/mL	n/a	<4.02e-03	<6.44e-02	<5.78e-2	n/a	n/a	n/a	6.40e-02	n/a
S96T002142			Europium-155 by GEA	uCi/mL	n/a	<7.42e-03	<5.83e-01	<5.74e-1	n/a	n/a	n/a	5.83e-01	n/a
S96T002142			Americium-241 by GEA	uCi/mL	n/a	<1.41e-02	< 1.169	<1.16e0	n/a	n/a	n/a	1.169	n/a
S96T002142			Alpha in Liquid Samples	uCi/mL	109.4	<1.33e-02	<1.17e-02	<1.17E-2	n/a	n/a	n/a	2.00e-02	5.00E+02

U-107 Final Report
U-107

CORE NUMBER: 135
SEGMENT #: 2R

SEGMENT PORTION: U Upper Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001869			Bulk Density of Sample	g/mL	n/a	n/a	1.300	n/a	n/a	n/a	n/a	5.00e-01	n/a
S96T001873			DSC Exotherm using Mettler	Joules/g	96.31	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001873			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001873			% Water by TGA using Mettler	%	99.22	n/a	4.670	4.150	4.410	11.8	n/a	n/a	n/a
S96T001873			TIC by Acid/Coulometry	ug/g	100.0	3.00e-01	6.40e+02	603.0	621.5	5.95	96.90	5.000	n/a
S96T001873			TOC by Persulfate/Coulometry	ug/g	85.28	16.40	5.18e+02	493.0	505.5	4.95	87.70	40.00	n/a
S96T001875		W	Fluoride-IC-Dionex 4000i/4500	ug/g	99.83	<1.30e-02	< 97.83	<1.01e2	n/a	n/a	107.3	97.83	n/a
S96T001875		W	Chloride-IC-Dionex 4000i/4500	ug/g	90.76	<1.70e-02	5.72e+02	571.0	571.3	0.17	91.52	127.9	n/a
S96T001875		W	Nitrite-IC - Dionex 4000i/4500	ug/g	96.35	<1.07e-01	7.78e+03	7.74e+03	7.76e+03	0.52	97.63	805.2	n/a
S96T001875		W	Bromide by Ion Chromatograph	ug/g	95.30	<1.26e-01	<9.48e+02	<9.77e2	n/a	n/a	88.87	948.3	n/a
S96T001875		W	Nitrate by IC-Dionex4000i/4500	ug/g	97.56	<1.40e-01	6.11e+05	6.20e+05	6.15e+05	1.46	41.37	1.05e+03	n/a
S96T001875		W	Phosphate-IC-Dionex 4000i/4500	ug/g	95.06	<1.19e-01	2.20e+03	2.46e+03	2.33e+03	11.2	94.69	894.6	n/a
S96T001875		W	Sulfate by IC-Dionex4000i/4500	ug/g	96.51	<1.36e-01	<1.02e+03	<1.05e3	n/a	n/a	98.26	1.02e+03	n/a
S96T001875		W	Oxalate by IC - Dionex 4000i	ug/g	97.86	<1.05e-01	9.32e+02	<8.14e2	n/a	n/a	99.42	790.1	n/a
S96T001877		A	Silver -ICP-Acid Digest	ug/g	77.70	<1.00e-02	16.20	16.30	16.25	0.62	91.50	4.740	n/a
S96T001877		A	Aluminium -ICP-Acid Digest	ug/g	79.00	5.10e-02	1.52e+03	1.53e+03	1.52e+03	0.66	107.2	23.70	n/a
S96T001877		A	Arsenic -ICP-Acid Digest	ug/g	81.40	<1.00e-01	< 47.40	<4.92e1	n/a	n/a	94.60	47.40	n/a
S96T001877		A	Boron -ICP-Acid Digest	ug/g	81.20	<5.00e-02	36.60	38.40	37.50	4.80	94.94	23.70	n/a
S96T001877		A	Barium -ICP-Acid Digest	ug/g	82.40	<5.00e-02	< 23.70	<2.46e1	n/a	n/a	92.20	23.70	n/a
S96T001877		A	Beryllium -ICP-Acid Digest	ug/g	90.20	<5.00e-03	< 2.370	<2.46e0	n/a	n/a	93.80	2.370	n/a
S96T001877		A	Bismuth -ICP-Acid Digest	ug/g	78.40	<1.00e-01	< 47.40	<4.92e1	n/a	n/a	93.60	47.40	n/a
S96T001877		A	Calcium -ICP-Acid Digest	ug/g	98.60	9.28e-01	2.34e+02	204.0	219.0	13.7	93.36	47.40	n/a
S96T001877		A	Cadmium -ICP-Acid Digest	ug/g	77.40	9.00e-03	< 2.370	<2.46e0	n/a	n/a	90.60	2.370	n/a
S96T001877		A	Cerium -ICP-Acid Digest	ug/g	86.00	<1.00e-01	< 47.40	<4.92e1	n/a	n/a	97.20	47.40	n/a
S96T001877		A	Cobalt -ICP-Acid Digest	ug/g	80.00	<2.00e-02	< 9.480	<9.84e0	n/a	n/a	92.20	9.480	n/a
S96T001877		A	Chromium -ICP-Acid Digest	ug/g	79.40	<1.00e-02	4.11e+02	410.0	410.5	0.24	92.86	4.740	n/a
S96T001877		A	Copper -ICP-Acid Digest	ug/g	80.60	1.10e-02	< 4.740	<4.92e0	n/a	n/a	90.00	4.740	n/a
S96T001877		A	Iron -ICP-Acid Digest	ug/g	80.80	5.10e-02	71.40	71.00	71.20	0.56	91.28	23.70	n/a
S96T001877		A	Potassium -ICP-Acid Digest	ug/g	76.60	<5.00e-01	4.11e+02	527.0	469.0	24.7	88.02	237.0	n/a
S96T001877		A	Lanthanum -ICP-Acid Digest	ug/g	83.80	<5.00e-02	< 23.70	<2.46e1	n/a	n/a	94.40	23.70	n/a
S96T001877		A	Lithium -ICP-Acid Digest	ug/g	84.00	<1.00e-02	< 4.740	<4.92e0	n/a	n/a	91.40	4.740	n/a
S96T001877		A	Magnesium -ICP-Acid Digest	ug/g	77.40	1.22e-01	< 47.40	<4.92e1	n/a	n/a	87.60	47.40	n/a
S96T001877		A	Manganese -ICP-Acid Digest	ug/g	77.20	<1.00e-02	29.90	28.90	29.40	3.40	87.44	4.740	n/a
S96T001877		A	Molybdenum -ICP-Acid Digest	ug/g	79.40	<5.00e-02	< 23.70	<2.46e1	n/a	n/a	91.60	23.70	n/a
S96T001877		A	Sodium -ICP-Acid Digest	ug/g	88.00	1.96e-01	2.31e+05	2.29e+05	2.30e+05	0.87	1.44e+03	47.40	n/a
S96T001877		A	Neodymium -ICP-Acid Digest	ug/g	83.20	<1.00e-01	< 47.40	<4.92e1	n/a	n/a	93.00	47.40	n/a
S96T001877		A	Nickel -ICP-Acid Digest	ug/g	80.00	2.70e-02	< 9.480	<9.84e0	n/a	n/a	92.40	9.480	n/a
S96T001877		A	Phosphorus -ICP-Acid Digest	ug/g	84.20	<2.00e-01	6.69e+02	1.00e+03	834.5	39.7	120.2	94.80	n/a
S96T001877		A	Lead -ICP-Acid Digest	ug/g	74.00	<1.00e-01	< 47.40	<4.92e1	n/a	n/a	95.60	47.40	n/a
S96T001877		A	Sulfur -ICP-Acid Digest	ug/g	78.00	1.31e-01	1.72e+02	177.0	174.5	2.87	90.70	47.40	n/a
S96T001877		A	Antimony -ICP-Acid Digest	ug/g	80.40	<6.00e-02	< 28.40	<2.95e1	n/a	n/a	94.40	28.40	n/a
S96T001877		A	Selenium -ICP-Acid Digest	ug/g	77.60	<1.00e-01	< 47.40	<4.92e1	n/a	n/a	91.20	47.40	n/a
S96T001877		A	Silicon -ICP-Acid Digest	ug/g	78.00	<5.00e-02	1.82e+02	189.0	185.5	3.77	102.0	23.70	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001877		A	Samarium -ICP-Acid Digest	ug/g	81.60	<1.00e-01	< 47.40	<4.92e1	n/a	n/a	91.20	47.40	n/a
S96T001877		A	Strontium -ICP-Acid Digest	ug/g	82.20	<1.00e-02	< 4.740	<4.92e0	n/a	n/a	91.60	4.740	n/a
S96T001877		A	Titanium-ICP-Acid Digest	ug/g	76.20	<1.00e-02	< 4.740	<4.92e0	n/a	n/a	86.00	4.740	n/a
S96T001877		A	Thallium -ICP-Acid Digest	ug/g	75.80	<2.00e-01	< 94.80	<9.84e1	n/a	n/a	88.00	94.80	n/a
S96T001877		A	Uranium -ICP-Acid Digest	ug/g	79.80	<5.00e-01	<2.37e+02	<2.46e2	n/a	n/a	88.50	237.0	n/a
S96T001877		A	Vanadium -ICP-Acid Digest	ug/g	79.40	<5.00e-02	< 23.70	<2.46e1	n/a	n/a	90.20	23.70	n/a
S96T001877		A	Zinc -ICP-Acid Digest	ug/g	74.80	2.10e-02	16.70	17.50	17.10	4.68	88.84	4.740	n/a
S96T001877		A	Zirconium -ICP-Acid Digest	ug/g	86.00	<1.00e-02	< 4.740	<4.92e0	n/a	n/a	97.40	4.740	n/a
S96T001879		F	Alpha of Digested Solid	uCi/g	115.6	<1.73e-03	1.47e-02	1.51e-02	1.49e-02	2.68	66.02	4.00e-03	3.33E+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%
S96T001870			Bulk Density of Sample	g/mL	n/a	n/a	1.310	n/a	n/a	n/a	n/a	5.00e-01	n/a
S96T001874			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001874			DSC Exotherm on Perkin Elmer	Joules/g	102.6	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001874			% Water by TGA on Perkin Elmer	%	98.82	n/a	7.30e-01	9.20e-01	8.25e-01	23.0	n/a	n/a	n/a
S96T001874			TIC by Acid/Coulometry	ug/g	n/a	n/a	3.29e+03	n/a	n/a	n/a	n/a	5.000	n/a
S96T001874			TOC by Persulfate/Coulometry	ug/g	n/a	n/a	9.19e+02	n/a	n/a	n/a	n/a	80.00	n/a
S96T001876		W	Fluoride-IC-Dionex 4000i/4500	ug/g	99.83	<1.30e-02	< 91.06	<9.25e1	n/a	n/a	n/a	91.06	n/a
S96T001876		W	Chloride-IC-Dionex 4000i/4500	ug/g	90.76	<1.70e-02	5.95e+02	914.0	754.5	42.3	n/a	119.1	n/a
S96T001876		W	Nitrite-IC - Dionex 4000i/4500	ug/g	96.35	<1.07e-01	7.45e+03	1.08e+04	9.13e+03	36.7	n/a	749.5	n/a
S96T001876		W	Bromide by Ion Chromatograph	ug/g	95.30	<1.26e-01	<8.83e+02	<8.97e2	n/a	n/a	n/a	882.7	n/a
S96T001876		W	Nitrate by IC-Dionex4000i/4500	ug/g	97.56	<1.40e-01	4.73e+05	5.95e+05	5.34e+05	22.8	n/a	979.9	n/a
S96T001876		W	Phosphate-IC-Dionex 4000i/4500	ug/g	95.06	<1.19e-01	1.06e+03	2.15e+03	1.60e+03	67.9	n/a	832.7	n/a
S96T001876		W	Sulfate by IC-Dionex4000i/4500	ug/g	96.51	<1.36e-01	9.62e+02	1.16e+03	1.06e+03	18.7	n/a	952.0	n/a
S96T001876		W	Oxalate by IC - Dionex 4000i	ug/g	97.86	<1.05e-01	7.62e+02	886.0	824.1	15.0	n/a	735.5	n/a
S96T001878		A	Silver -ICP-Acid Digest	ug/g	77.70	<1.00e-02	16.20	15.80	16.00	2.50	n/a	4.620	n/a
S96T001878		A	Aluminium -ICP-Acid Digest	ug/g	79.00	5.10e-02	1.85e+03	1.91e+03	1.88e+03	3.19	n/a	23.10	n/a
S96T001878		A	Arsenic -ICP-Acid Digest	ug/g	81.40	<1.00e-01	< 46.20	<4.42e1	n/a	n/a	n/a	46.20	n/a
S96T001878		A	Boron -ICP-Acid Digest	ug/g	81.20	<5.00e-02	79.90	75.20	77.55	6.06	n/a	23.10	n/a
S96T001878		A	Barium -ICP-Acid Digest	ug/g	82.40	<5.00e-02	< 23.10	<2.21e1	n/a	n/a	n/a	23.10	n/a
S96T001878		A	Beryllium -ICP-Acid Digest	ug/g	90.20	<5.00e-03	< 2.310	<2.21e0	n/a	n/a	n/a	2.310	n/a
S96T001878		A	Bismuth -ICP-Acid Digest	ug/g	78.40	<1.00e-01	< 46.20	<4.42e1	n/a	n/a	n/a	46.20	n/a
S96T001878		A	Calcium -ICP-Acid Digest	ug/g	98.60	9.28e-01	2.50e+02	152.0	201.0	48.8	n/a	46.20	n/a
S96T001878		A	Cadmium -ICP-Acid Digest	ug/g	77.40	9.00e-03	< 2.310	<2.21e0	n/a	n/a	n/a	2.310	n/a
S96T001878		A	Cerium -ICP-Acid Digest	ug/g	86.00	<1.00e-01	< 46.20	<4.42e1	n/a	n/a	n/a	46.20	n/a
S96T001878		A	Cobalt -ICP-Acid Digest	ug/g	80.00	<2.00e-02	< 9.250	<8.84e0	n/a	n/a	n/a	9.240	n/a
S96T001878		A	Chromium -ICP-Acid Digest	ug/g	79.40	<1.00e-02	3.94e+02	397.0	395.5	0.76	n/a	4.620	n/a
S96T001878		A	Copper -ICP-Acid Digest	ug/g	80.60	1.10e-02	< 4.620	<4.42e0	n/a	n/a	n/a	4.620	n/a
S96T001878		A	Iron -ICP-Acid Digest	ug/g	80.80	5.10e-02	49.30	47.90	48.60	2.88	n/a	23.10	n/a
S96T001878		A	Potassium -ICP-Acid Digest	ug/g	76.60	<5.00e-01	5.30e+02	485.0	507.5	8.87	n/a	231.0	n/a
S96T001878		A	Lanthanum -ICP-Acid Digest	ug/g	83.80	<5.00e-02	< 23.10	<2.21e1	n/a	n/a	n/a	23.10	n/a
S96T001878		A	Lithium -ICP-Acid Digest	ug/g	84.00	<1.00e-02	< 4.620	<4.42e0	n/a	n/a	n/a	4.620	n/a
S96T001878		A	Magnesium -ICP-Acid Digest	ug/g	77.40	1.22e-01	< 46.20	<4.42e1	n/a	n/a	n/a	46.20	n/a
S96T001878		A	Manganese -ICP-Acid Digest	ug/g	77.20	<1.00e-02	15.80	15.30	15.55	3.22	n/a	4.620	n/a
S96T001878		A	Molybdenum -ICP-Acid Digest	ug/g	79.40	<5.00e-02	< 23.10	<2.21e1	n/a	n/a	n/a	23.10	n/a
S96T001878		A	Sodium -ICP-Acid Digest	ug/g	88.00	1.96e-01	2.25e+05	2.23e+05	2.24e+05	0.89	n/a	46.20	n/a
S96T001878		A	Neodymium -ICP-Acid Digest	ug/g	83.20	<1.00e-01	< 46.20	<4.42e1	n/a	n/a	n/a	46.20	n/a
S96T001878		A	Nickel -ICP-Acid Digest	ug/g	80.00	2.70e-02	< 9.250	<8.84e0	n/a	n/a	n/a	9.240	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001878		A	Phosphorus -ICP-Acid Digest	ug/g	84.20	<2.00e-01	6.57e+02	600.0	628.5	9.07	n/a	92.50	n/a
S96T001878		A	Lead -ICP-Acid Digest	ug/g	74.00	<1.00e-01	< 46.20	<4.42e1	n/a	n/a	n/a	46.20	n/a
S96T001878		A	Sulfur -ICP-Acid Digest	ug/g	78.00	1.31e-01	2.27e+02	227.0	227.0	0.00	n/a	46.20	n/a
S96T001878		A	Antimony -ICP-Acid Digest	ug/g	80.40	<6.00e-02	< 27.70	<2.65e1	n/a	n/a	n/a	27.70	n/a
S96T001878		A	Selenium -ICP-Acid Digest	ug/g	77.60	<1.00e-01	< 46.20	<4.42e1	n/a	n/a	n/a	46.20	n/a
S96T001878		A	Silicon -ICP-Acid Digest	ug/g	78.00	<5.00e-02	1.28e+02	123.0	125.5	3.98	n/a	23.10	n/a
S96T001878		A	Samarium -ICP-Acid Digest	ug/g	81.60	<1.00e-01	< 46.20	<4.42e1	n/a	n/a	n/a	46.20	n/a
S96T001878		A	Strontium -ICP-Acid Digest	ug/g	82.20	<1.00e-02	< 4.620	<4.42e0	n/a	n/a	n/a	4.620	n/a
S96T001878		A	Titanium-ICP-Acid Digest	ug/g	76.20	<1.00e-02	< 4.620	<4.42e0	n/a	n/a	n/a	4.620	n/a
S96T001878		A	Thallium -ICP-Acid Digest	ug/g	75.80	<2.00e-01	< 92.50	<8.84e1	n/a	n/a	n/a	92.50	n/a
S96T001878		A	Uranium -ICP-Acid Digest	ug/g	79.80	<5.00e-01	<2.31e+02	<2.21e2	n/a	n/a	n/a	231.0	n/a
S96T001878		A	Vanadium -ICP-Acid Digest	ug/g	79.40	<5.00e-02	< 23.10	<2.21e1	n/a	n/a	n/a	23.10	n/a
S96T001878		A	Zinc -ICP-Acid Digest	ug/g	74.80	2.10e-02	21.20	14.40	17.80	38.2	n/a	4.620	n/a
S96T001878		A	Zirconium -ICP-Acid Digest	ug/g	86.00	<1.00e-02	< 4.620	<4.42e0	n/a	n/a	n/a	4.620	n/a
S96T001880		F	Alpha of Digested Solid	uCi/g	115.6	<1.73e-03	1.02e-02	1.22e-02	1.12e-02	17.9	n/a	4.00e-03	4.92E+01

U-107 Final Report
U-107

CORE NUMBER: 135
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%
S96T002131			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T002131			DSC Exotherm on Perkin Elmer	Joules/g	101.7	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T002131			% Water by TGA using Mettler	%	99.70	n/a	32.41	37.23	34.82	13.8	n/a	n/a	n/a
S96T002134		F	Cobalt-60 by GEA	uCi/g	98.66	<1.35e-02	<2.53e-02	<3.21e-2	n/a	n/a	n/a	2.50e-02	n/a
S96T002134		F	Cesium-137 by GEA	uCi/g	99.11	<5.01e-02	1.22e+02	104.0	113.1	15.9	n/a	n/a	0.560
S96T002134		F	Europium-154 by GEA	uCi/g	n/a	<5.49e-02	<1.10e-01	<1.17e-1	n/a	n/a	n/a	1.10e-01	n/a
S96T002134		F	Europium-155 by GEA	uCi/g	n/a	<5.05e-02	<3.46e-01	<3.27e-1	n/a	n/a	n/a	3.46e-01	n/a
S96T002134		F	Americium-241 by GEA	uCi/g	n/a	<1.31e-01	<9.12e-01	<8.46e-1	n/a	n/a	n/a	9.12e-01	n/a
S96T002134		F	Alpha of Digested Solid	uCi/g	98.44	<1.75e-03	1.03e-01	9.84e-02	1.01e-01	4.57	79.11	7.00e-03	1.50E+01

Drainable Liquid: Drainable Liquid

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T002140			DSC Exotherm using Mettler	Joules/g	106.5	n/a	2.56e+02	274.3	265.4	6.75	n/a	n/a	n/a
S96T002140			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	5.40e+02	577.6	558.8	6.75	n/a	n/a	n/a
S96T002140			OH- by Pot. Titration	ug/mL	99.16	<42.00	2.52e+04	2.49e+04	2.50e+04	1.20	n/a	2.50e+03	n/a
S96T002140			pH Direct	pH	n/a	n/a	12.82	12.85	12.84	0.23	n/a	1.00e-02	n/a
S96T002140			Specific Gravity	Sp.G.	97.93	n/a	1.470	1.392	1.431	5.45	n/a	1.00e-03	n/a
S96T002140			% Water by TGA using Mettler	%	99.53	n/a	52.73	52.28	52.50	0.86	n/a	n/a	n/a
S96T002140			TIC by Acid/Coulometry	ug/mL	100.3	1.000	4.92e+03	5.01e+03	4.96e+03	1.81	102.0	5.000	n/a
S96T002140			TOC by Persulfate/Coulometry	ug/mL	95.00	5.700	3.23e+03	3.23e+03	3.23e+03	0.00	98.80	40.00	n/a
S96T002140			Strontium-89/90 High Level	uCi/mL	99.19	<2.18e-05	4.89e-01	4.77e-01	4.83e-01	2.48	n/a	3.75e-05	3.01E-01
S96T002140			Pu-239/240 by TRU-SPEC Resin	uCi/mL	93.96	<3.04e-05	4.28e-05	5.89e-05	5.09e-05	31.7	n/a	3.21e-05	7.44E+00
S96T002140		D	Silver-ICP-Acid Dil.	ug/mL	98.00	<1.00e-02	15.20	15.20	15.20	0.00	51.60	6.010	n/a
S96T002140		D	Aluminium-ICP-Acid Dil.	ug/mL	97.60	<5.00e-02	2.15e+04	2.14e+04	2.14e+04	0.47	93.90	30.10	n/a
S96T002140		D	Arsenic-ICP-Acid Dil.	ug/mL	101.8	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	95.50	60.10	n/a
S96T002140		D	Boron-ICP-Acid Dil.	ug/mL	100.8	<5.00e-02	67.10	64.70	65.90	3.64	98.40	30.10	n/a
S96T002140		D	Barium-ICP-Acid Dil.	ug/mL	99.80	<5.00e-02	< 30.10	<3.01e1	n/a	n/a	99.30	30.10	n/a
S96T002140		D	Beryllium-ICP-Acid Dil.	ug/mL	103.2	<5.00e-03	< 3.000	<3.00e0	n/a	n/a	102.1	3.000	n/a
S96T002140		D	Bismuth-ICP-Acid Dil.	ug/mL	100.0	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	103.4	60.10	n/a
S96T002140		D	Calcium-ICP-Acid Dil.	ug/mL	102.6	<1.00e-01	89.70	87.10	88.40	2.94	103.0	60.10	n/a
S96T002140		D	Cadmium-ICP-Acid Dil.	ug/mL	99.20	<5.00e-03	< 3.000	<3.00e0	n/a	n/a	99.30	3.000	n/a
S96T002140		D	Cerium-ICP-Acid Dil.	ug/mL	102.4	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	102.6	60.10	n/a
S96T002140		D	Cobalt-ICP-Acid Dil.	ug/mL	100.6	<2.00e-02	< 12.00	<1.20e1	n/a	n/a	100.1	12.00	n/a
S96T002140		D	Chromium-ICP-Acid Dil.	ug/mL	101.0	<1.00e-02	7.25e+02	718.0	721.5	0.97	98.80	6.010	n/a
S96T002140		D	Copper-ICP-Acid Dil.	ug/mL	103.8	<1.00e-02	< 6.010	<6.01e0	n/a	n/a	103.9	6.010	n/a
S96T002140		D	Iron-ICP-Acid Dil.	ug/mL	101.4	<5.00e-02	< 30.10	<3.01e1	n/a	n/a	101.6	30.10	n/a
S96T002140		D	Potassium-ICP-Acid Dil.	ug/mL	93.60	<5.00e-01	2.81e+03	2.88e+03	2.84e+03	2.46	113.2	300.0	n/a
S96T002140		D	Lanthanum-ICP-Acid Dil.	ug/mL	100.6	<5.00e-02	< 30.10	<3.01e1	n/a	n/a	101.6	30.10	n/a
S96T002140		D	Lithium-ICP-Acid Dil.	ug/mL	100.2	<1.00e-02	< 6.010	<6.01e0	n/a	n/a	99.60	6.010	n/a
S96T002140		D	Magnesium-ICP-Acid Dil.	ug/mL	97.60	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	96.10	60.10	n/a
S96T002140		D	Manganese-ICP-Acid Dil.	ug/mL	97.60	<1.00e-02	< 6.010	<6.01e0	n/a	n/a	95.50	6.010	n/a
S96T002140		D	Molybdenum-ICP-Acid Dil.	ug/mL	101.0	<5.00e-02	86.30	84.40	85.35	2.23	100.9	30.10	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T002140		D	Sodium-ICP-Acid Dil.	ug/mL	98.60	<1.00e-01	2.17e+05	2.15e+05	2.16e+05	0.93	32.50	60.10	n/a
S96T002140		D	Neodymium-ICP-Acid Dil.	ug/mL	101.4	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	101.6	60.10	n/a
S96T002140		D	Nickel-ICP-Acid Dil.	ug/mL	98.80	<2.00e-02	15.50	15.30	15.40	1.30	98.90	12.00	n/a
S96T002140		D	Phosphorus-ICP-Acid Dil.	ug/mL	98.40	<2.00e-01	1.23e+03	1.23e+03	1.23e+03	0.00	97.50	120.0	n/a
S96T002140		D	Lead-ICP-Acid Dil.	ug/mL	98.60	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	99.80	60.10	n/a
S96T002140		D	Sulfer-ICP-Acid Dil.	ug/mL	99.20	<1.00e-01	2.38e+03	2.34e+03	2.36e+03	1.69	101.5	60.10	n/a
S96T002140		D	Antimony-ICP-Acid Dil.	ug/mL	96.20	<6.00e-02	< 36.10	<3.61e1	n/a	n/a	96.10	36.10	n/a
S96T002140		D	Selenium-ICP-Acid Dil.	ug/mL	97.60	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	100.8	60.10	n/a
S96T002140		D	Silicon-ICP-Acid Dil.	ug/mL	95.00	<5.00e-02	1.94e+02	180.0	187.0	7.49	97.80	30.10	n/a
S96T002140		D	Samarium-ICP-Acid Dil.	ug/mL	98.00	<1.00e-01	< 60.10	<6.01e1	n/a	n/a	97.10	60.10	n/a
S96T002140		D	Strontium-ICP-Acid Dil.	ug/mL	99.40	<1.00e-02	< 6.010	<6.01e0	n/a	n/a	99.60	6.010	n/a
S96T002140		D	Titanium-ICP-Acid Dil.	ug/mL	98.20	<1.00e-02	< 6.010	<6.01e0	n/a	n/a	98.40	6.010	n/a
S96T002140		D	Thallium-ICP-Acid Dil.	ug/mL	96.40	<2.00e-01	<1.20e+02	<1.20e2	n/a	n/a	96.90	120.0	n/a
S96T002140		D	Uranium-ICP-Acid Dil.	ug/mL	97.70	<5.00e-01	<3.00e+02	<3.00e2	n/a	n/a	95.45	300.0	n/a
S96T002140		D	Vanadium-ICP-Acid Dil.	ug/mL	100.6	<5.00e-02	< 30.10	<3.01e1	n/a	n/a	100.1	30.10	n/a
S96T002140		D	Zinc-ICP-Acid Dil.	ug/mL	100.2	<1.00e-02	18.60	18.60	18.60	0.00	100.8	6.010	n/a
S96T002140		D	Zirconium-ICP-Acid Dil.	ug/mL	99.00	<1.00e-02	< 6.010	<6.01e0	n/a	n/a	99.30	6.010	n/a
S96T002140			Fluoride-IC-Dionex 4000i/4500	ug/mL	103.2	<1.30e-02	< 53.83	<5.38e1	n/a	n/a	87.97	53.83	n/a
S96T002140			Chloride-IC-Dionex 4000i/4500	ug/mL	94.05	<1.70e-02	9.07e+03	7.65e+03	8.36e+03	17.0	65.19	70.40	n/a
S96T002140			Nitrite-IC - Dionex 4000i/4500	ug/mL	98.54	<1.07e-01	1.14e+05	9.63e+04	1.05e+05	16.8	50.00	443.1	n/a
S96T002140			Bromide by Ion Chromatograph	ug/mL	95.83	<1.26e-01	<5.22e+02	<5.22e2	n/a	n/a	90.96	521.8	n/a
S96T002140			Nitrate-IC - Dionex 4000i/4500	ug/mL	98.70	1.51e-01	4.65e+05	4.64e+05	4.65e+05	0.22	115.1	1.43e+03	n/a
S96T002140			Phosphate-IC-Dionex 4000i/4500	ug/mL	97.80	<1.19e-01	4.05e+03	3.03e+03	3.54e+03	28.8	91.76	492.4	n/a
S96T002140			Sulfate by IC-Dionex4000i/4500	ug/mL	98.42	<1.36e-01	7.25e+03	5.92e+03	6.58e+03	20.2	93.34	562.8	n/a
S96T002140			Oxalate by IC - Dionex 4000i	ug/mL	99.61	<1.05e-01	5.75e+02	505.0	540.1	13.0	98.64	434.8	n/a
S96T002140			Cobalt-60 by GEA	uCi/mL	95.48	<1.66e-03	<1.32e-02	<1.56e-2	n/a	n/a	n/a	1.30e-02	n/a
S96T002140			Cesium-137 by GEA	uCi/mL	97.19	<4.92e-03	2.80e+02	283.0	281.5	1.07	n/a	n/a	0.250
S96T002140			Europium-154 by GEA	uCi/mL	n/a	<4.02e-03	<5.61e-02	<5.66e-2	n/a	n/a	n/a	5.60e-02	n/a
S96T002140			Europium-155 by GEA	uCi/mL	n/a	<7.42e-03	<5.13e-01	<5.14e-1	n/a	n/a	n/a	5.13e-01	n/a
S96T002140			Americium-241 by GEA	uCi/mL	n/a	<1.41e-02	< 1.032	<1.04e0	n/a	n/a	n/a	1.032	n/a
S96T002140			Alpha in Liquid Samples	uCi/mL	109.4	<1.33e-02	<1.33e-02	<1.33E-2	n/a	n/a	99.44	2.00e-02	5.00E+02

U-107 Final Report
U-107

CORE NUMBER: 135
SEGMENT #: 2

SEGMENT PORTION: Liner Liquid

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001865			Specific Gravity	Sp.G.	98.38	n/a	1.030	1.030	1.030	0.00	n/a	1.00e-03	n/a
S96T001866			DSC Exotherm using Mettler	Joules/g	113.5	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001866			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.00e+00	0.00e+00	0.00	n/a	n/a	n/a
S96T001866			OH- by Pot. Titration	ug/mL	99.76	<42.00	1.23e+03	1.28e+03	1.26e+03	3.98	n/a	250.0	n/a
S96T001866			pH Direct	pH	n/a	n/a	12.67	12.69	12.68	0.16	n/a	1.00e-02	n/a
S96T001866			% Water by TGA using Mettler	%	100.3	n/a	94.44	93.93	94.19	0.54	n/a	n/a	n/a
S96T001866			TIC by Acid/Coulometry	ug/mL	100.2	6.00e-01	5.76e+02	582.0	579.0	1.04	n/a	5.000	n/a
S96T001866			TOC by Persulfate/Coulometry	ug/mL	90.00	7.800	8.54e+02	1.02e+03	937.0	17.7	n/a	40.00	n/a
S96T001866			Strontium-89/90 High Level	uCi/mL	99.19	1.00e-03	3.54e-03	3.82e-03	3.68e-03	7.61	n/a	1.00e-03	2.49E+01
S96T001866		D	Silver-ICP-Acid Dil.	ug/mL	100.2	<1.00e-02	< 4.010	<4.01e0	n/a	n/a	96.30	4.010	n/a
S96T001866		D	Aluminium-ICP-Acid Dil.	ug/mL	97.80	<5.00e-02	5.75e+02	570.0	572.5	0.87	96.90	20.10	n/a
S96T001866		D	Arsenic-ICP-Acid Dil.	ug/mL	103.6	<1.00e-01	< 40.10	<4.01e1	n/a	n/a	103.5	40.10	n/a
S96T001866		D	Boron-ICP-Acid Dil.	ug/mL	100.0	<5.00e-02	< 20.10	<2.01e1	n/a	n/a	103.3	20.10	n/a
S96T001866		D	Barium-ICP-Acid Dil.	ug/mL	99.40	<5.00e-02	< 20.10	<2.01e1	n/a	n/a	99.00	20.10	n/a
S96T001866		D	Beryllium-ICP-Acid Dil.	ug/mL	103.0	<5.00e-03	< 2.000	<2.00e0	n/a	n/a	103.0	2.000	n/a
S96T001866		D	Bismuth-ICP-Acid Dil.	ug/mL	103.0	<1.00e-01	< 40.10	<4.01e1	n/a	n/a	99.80	40.10	n/a
S96T001866		D	Calcium-ICP-Acid Dil.	ug/mL	103.0	<1.00e-01	< 40.10	<4.01e1	n/a	n/a	104.7	40.10	n/a
S96T001866		D	Cadmium-ICP-Acid Dil.	ug/mL	101.6	<5.00e-03	< 2.000	<2.00e0	n/a	n/a	101.0	2.000	n/a
S96T001866		D	Cerium-ICP-Acid Dil.	ug/mL	102.8	<1.00e-01	< 40.10	<4.01e1	n/a	n/a	104.0	40.10	n/a
S96T001866		D	Cobalt-ICP-Acid Dil.	ug/mL	101.8	<2.00e-02	< 8.020	<8.02e0	n/a	n/a	101.5	8.020	n/a
S96T001866		D	Chromium-ICP-Acid Dil.	ug/mL	102.6	<1.00e-02	40.20	39.40	39.80	2.01	102.2	4.010	n/a
S96T001866		D	Copper-ICP-Acid Dil.	ug/mL	103.0	<1.00e-02	< 4.010	<4.01e0	n/a	n/a	104.5	4.010	n/a
S96T001866		D	Iron-ICP-Acid Dil.	ug/mL	101.8	<5.00e-02	< 20.10	<2.01e1	n/a	n/a	101.8	20.10	n/a
S96T001866		D	Potassium-ICP-Acid Dil.	ug/mL	105.4	<5.00e-01	<2.00e+02	<2.00e2	n/a	n/a	146.4	200.0	n/a
S96T001866		D	Lanthanum-ICP-Acid Dil.	ug/mL	100.6	<5.00e-02	< 20.10	<2.01e1	n/a	n/a	101.0	20.10	n/a
S96T001866		D	Lithium-ICP-Acid Dil.	ug/mL	100.0	<1.00e-02	75.30	74.80	75.05	0.67	100.9	4.010	n/a
S96T001866		D	Magnesium-ICP-Acid Dil.	ug/mL	97.80	<1.00e-01	< 40.10	<4.01e1	n/a	n/a	98.50	40.10	n/a
S96T001866		D	Manganese-ICP-Acid Dil.	ug/mL	99.80	<1.00e-02	< 4.010	<4.01e0	n/a	n/a	97.30	4.010	n/a
S96T001866		D	Molybdenum-ICP-Acid Dil.	ug/mL	101.2	<5.00e-02	< 20.10	<2.01e1	n/a	n/a	101.8	20.10	n/a
S96T001866		D	Sodium-ICP-Acid Dil.	ug/mL	99.40	<1.00e-01	1.95e+04	1.94e+04	1.94e+04	0.51	117.1	40.10	n/a
S96T001866		D	Neodymium-ICP-Acid Dil.	ug/mL	101.6	<1.00e-01	< 40.10	<4.01e1	n/a	n/a	102.3	40.10	n/a
S96T001866		D	Nickel-ICP-Acid Dil.	ug/mL	101.2	<2.00e-02	< 8.020	<8.02e0	n/a	n/a	102.3	8.020	n/a
S96T001866		D	Phosphorus-ICP-Acid Dil.	ug/mL	100.6	<2.00e-01	2.95e+03	2.97e+03	2.96e+03	0.68	106.5	80.20	n/a
S96T001866		D	Lead-ICP-Acid Dil.	ug/mL	101.2	<1.00e-01	< 40.10	<4.01e1	n/a	n/a	99.80	40.10	n/a
S96T001866		D	Sulfer-ICP-Acid Dil.	ug/mL	99.60	<1.00e-01	1.76e+02	178.0	177.0	1.13	99.40	40.10	n/a
S96T001866		D	Antimony-ICP-Acid Dil.	ug/mL	96.20	<6.00e-02	< 24.10	<2.41e1	n/a	n/a	96.30	24.10	n/a
S96T001866		D	Selenium-ICP-Acid Dil.	ug/mL	99.00	<1.00e-01	< 40.10	<4.01e1	n/a	n/a	98.50	40.10	n/a
S96T001866		D	Silicon-ICP-Acid Dil.	ug/mL	94.40	<5.00e-02	42.70	42.20	42.45	1.18	105.3	20.10	n/a
S96T001866		D	Samarium-ICP-Acid Dil.	ug/mL	98.20	<1.00e-01	< 40.10	<4.01e1	n/a	n/a	97.30	40.10	n/a
S96T001866		D	Strontium-ICP-Acid Dil.	ug/mL	99.00	<1.00e-02	< 4.010	<4.01e0	n/a	n/a	99.00	4.010	n/a
S96T001866		D	Titanium-ICP-Acid Dil.	ug/mL	97.60	<1.00e-02	< 4.010	<4.01e0	n/a	n/a	97.50	4.010	n/a
S96T001866		D	Thallium-ICP-Acid Dil.	ug/mL	97.80	<2.00e-01	< 80.20	<8.02e1	n/a	n/a	94.00	80.20	n/a
S96T001866		D	Uranium-ICP-Acid Dil.	ug/mL	96.70	<5.00e-01	<2.00e+02	<2.00e2	n/a	n/a	95.75	200.0	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T001866		D	Vanadium-ICP-Acid Dil.	ug/mL	100.6	<5.00e-02	< 20.10	<2.01e1	n/a	n/a	100.3	20.10	n/a
S96T001866		D	Zinc-ICP-Acid Dil.	ug/mL	102.2	<1.00e-02	< 4.010	<4.01e0	n/a	n/a	102.5	4.010	n/a
S96T001866		D	Zirconium-ICP-Acid Dil.	ug/mL	98.80	<1.00e-02	< 4.010	<4.01e0	n/a	n/a	98.30	4.010	n/a
S96T001866			Fluoride-IC-Dionex 4000i/4500	ug/mL	97.63	<1.30e-02	< 5.213	<5.21e0	n/a	n/a	n/a	5.213	n/a
S96T001866			Chloride-IC-Dionex 4000i/4500	ug/mL	91.65	<1.70e-02	3.88e+02	400.0	394.1	3.05	n/a	6.817	n/a
S96T001866			Nitrite-IC - Dionex 4000i/4500	ug/mL	92.88	<1.07e-01	4.53e+03	4.66e+03	4.59e+03	2.83	n/a	42.91	n/a
S96T001866			Bromide by Ion Chromatograph	ug/mL	94.96	<1.26e-01	1.55e+03	1.56e+03	1.56e+03	0.64	n/a	50.53	n/a
S96T001866			Nitrate-IC - Dionex 4000i/4500	ug/mL	97.56	<1.40e-01	1.50e+04	1.49e+04	1.50e+04	0.67	n/a	56.14	n/a
S96T001866			Phosphate-IC-Dionex 4000i/4500	ug/mL	95.97	<1.19e-01	8.98e+03	9.09e+03	9.03e+03	1.22	n/a	47.68	n/a
S96T001866			Sulfate by IC-Dionex4000i/4500	ug/mL	96.51	<1.36e-01	3.15e+02	349.0	331.9	10.2	n/a	54.50	n/a
S96T001866			Oxalate by IC - Dionex 4000i	ug/mL	98.06	<1.05e-01	1.98e+03	1.98e+03	1.98e+03	0.00	n/a	42.10	n/a
S96T001866			Alpha in Liquid Samples	uCi/mL	112.5	<7.28e-04	<5.51e-04	<6.41E-4	n/a	n/a	114.8	1.00e-03	5.00E+02

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%
S96T001867			DSC Exotherm using Mettler	Joules/g	96.31	n/a	1.41e+02	105.2	122.9	28.8	n/a	n/a	n/a
S96T001867			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	2.80e+02	209.6	244.9	28.8	n/a	n/a	n/a
S96T001867			% Water by TGA using Mettler	%	99.19	n/a	49.90	49.74	49.82	0.32	n/a	n/a	n/a
S96T001868		F	Alpha of Digested Solid	uCi/g	98.44	<1.75e-03	3.29e-01	3.48e-01	3.39e-01	5.61	n/a	4.00e-03	6.07E+00

U-107 STATISTICAL ANALYSIS

THIS PAGE WAS INTENTIONALLY LEFT BLANK

Statistical Analysis

Analy	Sample#	Result	DUP	TRIP	Water.	Result-Dr	Dup-Dry	Trip-Dry	Mean	Std. (Me	95% UL
TOC	S96T001873	518	493	477	4	542	516	499	519	12	555
TOC	S96T001055	639	895	836	7	689	965	902	852	83	1096
TOC	S96T001874	919	597	605	1	927	602	610	713	107	1025
TOC	S96T001143	921	843		6	984	901		942	42	1205
TOC	S96T001070	1210	1240		91	13797	14139		13968	171	15048
TOC	S96T000650	1270	1170		25	1682	1550		1616	66	2034
TOC	S96T000653	1370	1390		17	1653	1677		1665	12	1741
TOC	S96T001159	1860	2060		20	2332	2582		2457	125	3249
TOC	S96T000647	1860	1970		20	2316	2453		2384	68	2817
TOC	S96T001056	1890	1920	2130	13	2165	2199	2440	2268	86	2520
TOC	S96T001059	1930	1870		21	2451	2375		2413	38	2653
TOC	S96T001065	3050	4220	3900	28	4245	5873	5428	5182	486	6600
TOC	S96T001064	3670	3680		23	4778	4791		4784	7	4825
TOC	S96T000644	4870	5010		48	9357	9626		9492	134	10341
TOC	S96T001058	5110	5190		37	8049	8175		8112	63	8510
TOC	S96T001057	5210	5120		37	8254	8112		8183	71	8633
TOC	S96T001068	9520	8560		41	16085	14463		15274	811	20395
Analy	Sample#	Result	DUP	TRIP	Water.	Result-Dr	Dup-Dry	Trip-Dry	Mean	Std. (Me	95% UL
TOC	S96T001121	993	1100		92	12351	13682		13016	665	17218
TOC	S96T000665	3090	3150		53	6606	6734		6670	64	7075
TOC	S96T002141	3190	3200		47	6022	6041		6031	9	6091
TOC	S96T002140	3230	3230		53	6801	6801		6801	0	6801
TOC	S96T001119	3670	3710		51	7501	7583		7542	41	7800
TOC	S96T002142	4920	4610		52	10318	9668		9993	325	12045
Analy	Sample#	Result	DUP	TRIP	Water.	Result-Dr	Dup-Dry	Trip-Dry	Mean	Std. (Me	95% UL
TOC	S96T001120	1920	1660	1410	89	17753	15349	13037	15380	1361	19355
TOC	S96T002034	659	691		98	35718	37453		36585	867	42061
TOC	S96T001128	3480	2900		22	4438	3699		4068	370	6404

CHAIN OF CUSTODY FORMS

THIS PAGE WAS INTENTIONALLY LEFT BLANK

COPY

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

(1) Shipment Number 200W-08-TF (2) Sample Number 96-034 (3) Supervisor Hartley

(4) Tank U-107 (5) Riser 9 (6) Segment 1 (7) Core 129 (8) Cask Serial Number SN 1-G

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<.5	<.5
Side Dose Rate	25	25 mr Through side of CPS
Bottom Dose Rate	7	7 mr Through side of CPS
Smearable Contamination	<20 (Alpha)	<20 (Alpha)
	<1000 (Beta-Gamma)	<1000 (Beta-Gamma)
RCT* (HPT)	J Weiss (Signature)	RCT* (HPT) [signature] (Signature)

(10) Shipment Description

A. Work Package Number	WS-95-00212/0
B. Cask Seal Number	4496
C. Sampler Serial Number	94-420
D. Date and Time Sampler Unseated	2-6-96, 1327
E. Expected Liquid Content	10%
F. Expected Solid Content	90%
G. Dose Rate Through Drill String	1.5R/HR.
H. Expected Sample Length	2"

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

59

(12) Field Comments

This is only a 2" Segment Small Amount of Water on Bottom of Sampler

(34) Laboratory Comments

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
U-107	2225	For Hartley James Sickels James Sickels	2-8-96 1000	
(19) Relinquished By (Sign and PRINT)		(20) Received By (Sign and PRINT)	(21) Date/Time	(22) Receiver Comments
James Sickels James Sickels		David J Keane David J Keane	2-9-96 1000	
(23) Relinquished By (Sign and PRINT)		(24) Received By (Sign and PRINT)	(25) Date/Time	(26) Receiver Comments
David J Keane David J Keane		J R Prilucik John R Prilucik	2-9-96 1052	
(27) Relinquished By (Sign and PRINT)		(28) Received By (Sign and PRINT)	(29) Date/Time	(30) Receiver Comments

(18) Seal Intact Upon Release? ☒ Yes ☐ No

(31) Seal Intact Upon Receipt? ☒ Yes ☐ No

(32) Seal Data Consistent with this Record?

Shipment No. ☐ Yes ☐ No

Cask Seal No. ☒ Yes ☐ No

Sample No. ☒ Yes ☐ No

WHC-SD-WM-DP-184, REV. 1

CHAIN-OF-CUSTOL RECORD FOR CORE SAMPLING

COPY

(1) Shipment Number 200W-08-TF (2) Sample Number 96-034R (3) Supervisor M. C. Jones

(4) Tank U-107 (5) Riser 9 (6) Segment "1R" (7) Core 129 (8) Cask Serial Number SV-19-G

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<.5	<0.5
Side Dose Rate	<.5	<0.5
Bottom Dose Rate	<.5	<0.5
Smearable Contamination	<20 (Alpha)	<20 (Alpha)
	<1000 (Beta-Gamma)	<1000 (Beta-Gamma)
RCT* (HPT)	J Weiss (Signature)	RCT* (HPT) [signature] (Signature)

(10) Shipment Description	
A. Work Package Number	WS-95-00212
B. Cask Seal Number	10405
C. Sampler Serial Number	94-047
D. Date and Time Sampler Unseated	2-9-96 / 0458
E. Expected Liquid Content	10%
F. Expected Solid Content	90%
G. Dose Rate Through Drill String	7 MR/HR ?
H. Expected Sample Length	2"

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

60

(12) Field Comments

NO X-RAY

SAMPLE WAS only Pushed 2".

(34) Laboratory Comments

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
U-107	222-S	James Sickels JAMES SICKELS	1135 ~~11-35~~ 2-9-96	
(19) Relinquished By (Sign and PRINT)		(20) Received By (Sign and PRINT)	(21) Date/Time	(22) Receiver Comments
James Sickels JAMES SICKELS		David J Keane	1135 2-9-96	
(23) Relinquished By (Sign and PRINT)		(24) Received By (Sign and PRINT)	(25) Date/Time	(26) Receiver Comments
David J Keane		N Lapiers N LAPIERS	1210 2-9-96	
(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 SS-85 Goldenrod - Tank Farm Operations Division

WHC-SD-WM-DP-184, REV. 0

COPY

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

(1) Shipment Number 200W-08-TF (2) Sample Number 96-035 (3) Supervisor Damon Johnson

(4) Tank U-107 (5) Riser 9 (6) Segment 2 (7) Core 129 (8) Cask Serial Number 106

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<1.5	<1.5
Side Dose Rate	30	30 mR/HR
Bottom Dose Rate	10	5 mR/HR
Smearable Contamination	<20 (Alpha)	<20 (Alpha)
	<1000 (Beta-Gamma)	<1000 (Beta-Gamma)
RCT* (HPT)	(Signature)	RCT* (HPT) (Signature)

(10) Shipment Description	
A. Work Package Number	WS-95-00212/0
B. Cask Seal Number	1568
C. Sampler Serial Number	94-435
D. Date and Time Sampler Unseated	2-6-96 1800
E. Expected Liquid Content	10%
F. Expected Solid Content	90%
G. Dose Rate Through Drill String	1.5 R/hr
H. Expected Sample Length	19"

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

61

(12) Field Comments

(34) Laboratory Comments

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
U-107	222S	For J Lapenne James Sickels JAMES SICKELS	2/9/96 0930	
(19) Relinquished By (Sign and PRINT)		**(20) Received By (Sign and PRINT)**	**(21) Date/Time**	**(22) Receiver Comments**
James Sickels JAMES SICKELS		David J Keane DAVID J KEANE	2/9/96 10:00	
(23) Relinquished By (Sign and PRINT)		**(24) Received By (Sign and PRINT)**	**(25) Date/Time**	**(26) Receiver Comments**
David J Keane DAVID J KEANE		JR Prilucik JR Prilucik	2/9/96 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-184, REV. 1

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

COPY

(1) Shipment Number 200W-08-TF (2) Sample Number 96-035R (3) Supervisor M.C. Jones

(4) Tank U-107 (5) Riser 9 (6) Segment 2R (7) Core 129 (8) Cask Serial Number C-2014

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<1.5	<0.5
Side Dose Rate	<1.5	<0.5
Bottom Dose Rate	<1.5	<0.5
Smearable Contamination	<20 (Alpha)	<20 (Alpha)
	<1000 (Beta-Gamma)	<1000 (Beta-Gamma)
RCT* (HPT)	(Signature)	RCT* (HPT) (Signature)

(10) Shipment Description

A. Work Package Number	WS-95-00212
B. Cask Seal Number	10406
C. Sampler Serial Number	95-072
D. Date and Time Sampler Unseated	2/9/96 0555
E. Expected Liquid Content	10%
F. Expected Solid Content	90%
G. Dose Rate Through Drill String	30 MR/HR
H. Expected Sample Length	19"

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

62

(12) Field Comments

NO X-RAY

(34) Laboratory Comments

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
U-107	222-S	James Sickels JAMES SICKELS	1135 2-9-96	
(19) Relinquished By (Sign and PRINT)		**(20) Received By (Sign and PRINT)**	**(21) Date/Time**	**(22) Receiver Comments**
JAMES SICKELS		David J Keane DAVID J KEANE	1135 2-9-96	
(23) Relinquished By (Sign and PRINT)		**(24) Received By (Sign and PRINT)**	**(25) Date/Time**	**(26) Receiver Comments**
David J Keane DAVID J KEANE		N Lapiers N LAPIERS	1210 2-9-96	
(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

WHC-SD-WM-DP-184, REV.1

COPY

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

(1) Shipment Number 200W-08-TF (2) Sample Number 96-036 (3) Supervisor M.C. Jones

(4) Tank U-107 (5) Riser 9 (6) Segment 3 (7) Core 129 (8) Cask Serial Number C-2010

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<.5	<.5
Side Dose Rate	15	15
Bottom Dose Rate	10	10
Smearable Contamination	<20 (Alpha)	<20 (Alpha)
	<1000 (Beta-Gamma)	<1000 (Beta-Gamma)
RCT* (HPT)	J Weiss (Signature)	RCT* (HPT) [signature] (Signature)

(10) Shipment Description	
A. Work Package Number	WS-95-00212
B. Cask Seal Number	10404
C. Sampler Serial Number	94-444
D. Date and Time Sampler Unseated	2-7-96 / 0139
E. Expected Liquid Content	10%
F. Expected Solid Content	90%
G. Dose Rate Through Drill String	1 R/HR
H. Expected Sample Length	19"

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

63

(12) Field Comments

NO-X-RAY

(34) Laboratory Comments

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
U-107	222-S	FOR JONES James Sickels James Sickels	2/9/96 09:50	
(19) Relinquished By (Sign and PRINT)		(20) Received By (Sign and PRINT)	(21) Date/Time	(22) Receiver Comments
James Sickels James Sickels		David Keane David J Keane	2/9/96 10:00	
(23) Relinquished By (Sign and PRINT)		(24) Received By (Sign and PRINT)	(25) Date/Time	(26) Receiver Comments
David J Keane David J Keane		John R Prilucik [signature]	2/9/96 1055	
(27) Relinquished By (Sign and PRINT)		(28) Received By (Sign and PRINT)	(29) Date/Time	(30) Receiver Comments

(18) Seal Intact Upon Release? ☒ Yes ☐ No

(31) Seal Intact Upon Receipt? ☒ Yes ☐ No

(32) Seal Data Consistent with this Record?

Shipment No. ☒ Yes ☐ No

Cask Seal No. ☒ Yes ☐ No

Sample No. ☒ Yes ☐ No

WHC-SD-WM-DP-184, REV. 1

001 509 373 1432 12:08 02/09/96

COPY

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

(1) Shipment Number 200W-08-TF (2) Sample Number 96-036 (R) (3) Supervisor Hartley

(4) Tank 4-107 (5) Riser 9 (6) Segment 3R? (7) Core 129 (8) Cask Serial Number C2012

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<0.5	<0.5 mr/hr
Side Dose Rate	<0.5	<0.5
Bottom Dose Rate	4	6.0
Smearable Contamination	<20 (Alpha)	<20 dpm (Alpha)
	<1000 (Beta-Gamma)	<1K dpm (Beta-Gamma)
RCT* (HPT)	[signature] (Signature)	RCT* (HPT) [signature] (Signature)

(10) Shipment Description	
A. Work Package Number	WS-95-00212/0
B. Cask Seal Number	4458
C. Sampler Serial Number	94-404
D. Date and Time Sampler Unseated	2/9/96, 1130
E. Expected Liquid Content	10%
F. Expected Solid Content	90%
G. Dose Rate Through Drill String	300 MV/HR
H. Expected Sample Length	13"

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

64

(12) Field Comments

Sample is a 13" Push.

X-Ray Indicate (7") of Solid Material

(34) Laboratory Comments

#694

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
4-107	222S	R.J. Braznik [signature] for D. Hartley	2-15-96/1020hr	
(19) Relinquished By (Sign and PRINT)		(20) Received By (Sign and PRINT)	(21) Date/Time	(22) Receiver Comments
R.J. Braznik [signature]		John Harding [signature]	10:23 2-15-96	
(23) Relinquished By (Sign and PRINT)		(24) Received By (Sign and PRINT)	(25) Date/Time	(26) Receiver Comments
John Harding [signature]		[signature] EE Dubes	2-15-96 1110	
(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? ☑ Yes ☐ No

(32) Seal Data Consistent with this Record?

Shipment No. ☑ Yes ☐ No

Cask Seal No. ☑ Yes ☐ No

Sample No. ☑ Yes ☐ No

WHC-SD-WM-DP-184, REV. 1

COPY

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

(1) Shipment Number [illegible]-08-TF (2) Sample Number 96-093 (3) Supervisor [illegible]

(4) Tank U-107 (5) Riser 7 (6) Segment 1 (7) Core 134 (8) Cask Serial Number C 1042

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 (Alpha)	<0.5 <20 dpm/m (Alpha)
	4000 (Beta-Gamma)	<1000 dpm/m (Beta-Gamma)
RCT* (HPT)	[signature] (Signature)	RCT* (HPT) [signature] (Signature)

(10) Shipment Description

A. Work Package Number	WS-95-00212
B. Cask Seal Number	1575
C. Sampler Serial Number	94-403
D. Date and Time Sampler Unseated	2-16-96 0049
E. Expected Liquid Content	10%
F. Expected Solid Content	90%
G. Dose Rate Through Drill String	5 mg/hr
H. Expected Sample Length	16"

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

65

(12) Field Comments

(34) Laboratory Comments
S96T000775

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
U-107	2225	R J Praenit [signature] for D. LaPierre	2-20-96/130	
(19) Relinquished By (Sign and PRINT)		(20) Received By (Sign and PRINT)	(21) Date/Time	(22) Receiver Comments
[signature] R J Praenit		[signature] M L Dunnington	2-20-96/1311	
(23) Relinquished By (Sign and PRINT)		(24) Received By (Sign and PRINT)	(25) Date/Time	(26) Receiver Comments
[signature] M L Dunnington		[signature] JR Peilucik	2-20-96/1450	
(27) Relinquished By (Sign and PRINT)		(28) Received By (Sign and PRINT)	(29) Date/Time	(30) Receiver Comments

(18) Seal Intact Upon Release? ☒ Yes ☐ No

(31) Seal Intact Upon Receipt? ☒ Yes ☐ No

(32) Seal Data Consistent with this Record?

Shipment No. ☒ Yes ☐ No

Cask Seal No. ☒ Yes ☐ No

Sample No. ☒ Yes ☐ No

WHC-SD-WM-DP-184, REV. 1

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

COPY

(1) Shipment Number 200W08-TF (2) Sample Number 96-094 (3) Supervisor [illegible]

(4) Tank U-107 (5) Riser 7 (6) Segment 2 (7) Core 134 (8) Cask Serial Number SN-76

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<0.5	<0.5
Side Dose Rate	8	8
Bottom Dose Rate	10	10
Smearable Contamination	<20 (Alpha)	<20 (Alpha)
	<1000 (Beta-Gamma)	<1000 (Beta-Gamma)
RCT* (HPT)	(Signature)	RCT* (HPT) (Signature)

(10) Shipment Description

A. Work Package Number	WS-95-00212
B. Cask Seal Number	1598
C. Sampler Serial Number	94-432
D. Date and Time Sampler Unseated	2-16-96 01:49
E. Expected Liquid Content	10%
F. Expected Solid Content	90%
G. Dose Rate Through Drill String	350 mR/hr
H. Expected Sample Length	19"

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

69

(12) Field Comments
Bottom of sampler slightly dirty
sampler was X-Rayed

(34) Laboratory Comments
#778

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
U-107	2225	R.J. Penzwik for D. LaPierre	2-20-96/1310	
(18) Relinquished By (Sign and PRINT)		(20) Received By (Sign and PRINT)	(21) Date/Time	(22) Receiver Comments
RJ Penzwik		M.C. Dunnington	2-20-96/1311	
(23) Relinquished By (Sign and PRINT)		(24) Received By (Sign and PRINT)	(25) Date/Time	(26) Receiver Comments
M.C. Dunnington		JR Prilucik	2-20-96/1350	
(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 Date 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-184, REV. 1

COPY

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

(1) Shipment Number 200W-08-TF (2) Sample Number 96-095 (3) Supervisor Darren [illegible]

(4) Tank U-107 (5) Riser 7 (6) Segment 3 (7) Core 134 (8) Cask Serial Number SN-64

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<0.5	<0.5
Side Dose Rate	7	7
Bottom Dose Rate	7	7
Smearable Contamination	<20 (Alpha)	<20 dpm (Alpha)
	<1000 (Beta-Gamma)	<1000 dpm (Beta-Gamma)
RCT* (HPT)	[signature] (Signature)	RCT* (HPT) [signature] (Signature)

(10) Shipment Description	
A. Work Package Number	WS-95-00212
B. Cask Seal Number	1566
C. Sampler Serial Number	94-436
D. Date and Time Sampler Unseated	2-16-96 05:07
E. Expected Liquid Content	10%
F. Expected Solid Content	90%
G. Dose Rate Through Drill String	400 mR/hr
H. Expected Sample Length	19"

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

67

(12) Field Comments
sampler slightly dirty on Bottom
sampler was X Rayed

(34) Laboratory Comments
#779

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
U-107	2225	R.J. Penznik [signature] for D. LaPierre	2-20-96/1310	
(19) Relinquished By (Sign and PRINT)		(20) Received By (Sign and PRINT)	(21) Date/Time	(22) Receiver Comments
[signature] R.J. Penznik		[signature] MC Dunnington	2-20-96/1311	
(23) Relinquished By (Sign and PRINT)		(24) Received By (Sign and PRINT)	(25) Date/Time	(26) Receiver Comments
MC Dunnington [signature]		JR Prilucik JR Prilucik	2-20-96/1450	
(27) Relinquished By (Sign and PRINT)		(28) Received By (Sign and PRINT)	(29) Date/Time	(30) Receiver Comments

(18) Seal Intact Upon Release? ☒ Yes ☐ No

(31) Seal Intact Upon Receipt? ☒ Yes ☐ No

(32) Seal Data Consistent with this Record?
Shipment No. ☒ Yes ☐ No
Cask Seal No. ☒ Yes ☐ No
Sample No. ☒ Yes ☐ No

WHC-SD-WM-DP-184, REV. 1

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

COPY

(1) Shipment Number 200W.08.TF (2) Sample Number 96-096 (3) Supervisor Hartley

(4) Tank U-107 (5) Riser 7 (6) Segment 4 (7) Core 134 (8) Cask Serial Number SN#70

Radiation Survey Date:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<.5 mR/hr	<0.5 mr/hr
Side Dose Rate	25 mR/hr	23 mr/hr
Bottom Dose Rate	10 mR/HR	10 mr/hr
Smearable Contamination	<D (Alpha)	<20 dpm (Alpha)
	<D (Beta-Gamma)	<1000 dpm (Beta-Gamma)
RCT* (HPT)	[signature] (Signature)	RCT* (HPT) [signature] (Signature)

(10) Shipment Description	
A. Work Package Number	WS-95-00212/0
B. Cask Seal Number	4490
C. Sampler Serial Number	94-037
D. Date and Time Sampler Unseated	2-16-96, 1753
E. Expected Liquid Content	10%
F. Expected Solid Content	90%
G. Dose Rate Through Drill String	1.4 R/HR
H. Expected Sample Length	19"

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

68

(12) Field Comments

(34) Laboratory Comments

781

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
U-107	2225	[signature] R.J. Peaznik for D. Hartley	2-20-96/1355	
(19) Relinquished By (Sign and PRINT)		(20) Received By (Sign and PRINT)	(21) Date/Time	(22) Receiver Comments
[signature] R.J. Peaznik		David J Keane [signature]	1400 2/20/96	
(23) Relinquished By (Sign and PRINT)		(24) Received By (Sign and PRINT)	(25) Date/Time	(26) Receiver Comments
David J Keane [signature]		[signature] N LAPIERS	1420 2-20-96	
(27) Relinquished By (Sign and PRINT)		(28) Received By (Sign and PRINT)	(29) Date/Time	(30) Receiver Comments

(18) Seal Intact Upon Release? ☒ Yes ☐ No

(31) Seal Intact Upon Receipt? ☒ Yes ☐ No

(32) Seal Data Consistent with this Record?

Shipment No. ☒ Yes ☐ No

Cask Seal No. ☒ Yes ☐ No

Sample No. ☒ Yes ☐ No

WHC-SD-WM-DP-184, REV. 1

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

(1) Shipment Number 200W-08-TF (2) Sample Number 96-097 (3) Supervisor Hartley

(4) Tank U-107 (5) Riser 7 (6) Segment 5 (7) Core 1 3/4 (8) Cask Serial Number SN#73

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<.5 mR/hr	<0.5 mR/hr
Side Dose Rate	11 mR/hr	10 mR/hr
Bottom Dose Rate	13 mR/hr	12 mR/hr
Smearable Contamination	<D (Alpha)	<20 dpm (Alpha)
	<D (Beta-Gamma)	<1000 dpm (Beta-Gamma)
RCT* (HPT)	[signature] (Signature)	RCT* (HPT) [signature] (Signature)

(10) Shipment Description	
A. Work Package Number	WS-95-00212/0
B. Cask Seal Number	4489
C. Sampler Serial Number	94-414
D. Date and Time Sampler Unseated	2-16-96, 1956
E. Expected Liquid Content	10%
F. Expected Solid Content	90%
G. Dose Rate Through Drill String	500 MV/HR
H. Expected Sample Length	10 1/2"

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

69

COPY

(12) Field Comments

10 1/2" Sample, 2 cups Water Added Above Sampler

(34) Laboratory Comments

#782

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
U-107	2225	[signature] R.J. Praznik for D. Hartley	2-20-96 1355hr	
(19) Relinquished By (Sign and PRINT)		(20) Received By (Sign and PRINT)	(21) Date/Time	(22) Receiver Comments
[signature] R.J. Praznik		[signature] David J Keane	2/20/96 1400	
(23) Relinquished By (Sign and PRINT)		(24) Received By (Sign and PRINT)	(25) Date/Time	(26) Receiver Comments
[signature] David J Keane		[signature] N LAPIERS	1430 2-20-96	
(27) Relinquished By (Sign and PRINT)		(28) Received By (Sign and PRINT)	(29) Date/Time	(30) Receiver Comments

(18) Seal Intact Upon Release? ☑ Yes ☐ No

(31) Seal Intact Upon Receipt? ☒ Yes ☐ No

(32) Seal Data Consistent with this Record?

Shipment No. ☒ Yes ☐ No

Cask Seal No. ☒ Yes ☐ No

Sample No. ☒ Yes ☐ No

WHC-SD-WM-DP-184, REV. 1

COPY

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

hipment Number 200W-08-TF (2) Sample Number 96-097A (3) Supervisor Darren [illegible]

enk U-107 (5) Riser 7 (6) Segment 5A (7) Core 134 (8) Cask Serial Number SN 68

ation Survey Data:	(9) FIELD	(33) LABORATORY
er Top Dose Rate	<.5 mr/Hr	<0.5 mr/Hr
de Dose Rate	.5 mr/Hr	1.7 mr/Hr
ttom Dose Rate	3 mr/Hr	2.5 mr/Hr
nearable Contamination	<20 (Alpha)	<20 (Alpha)
	<1K (Beta-Gamma)	<1000 (Beta-Gamma)
RCT* (HPT)	[signature] (Signature)	[signature] (Signature)

(10) Shipment Description

A. Work Package Number	WS-95-00212
B. Cask Seal Number	1567
C. Sampler Serial Number	95-052
D. Date and Time Sampler Unseated	2-20-96 10:59
E. Expected Liquid Content	10%
F. Expected Solid Content	90%
G. Dose Rate Through Drill String	70 mR/hr
H. Expected Sample Length	1/2 inch

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

70

Field Comments
dded lithiume Bromide

(34) Laboratory Comments
#783

WHC-SD-WM-DP-184, REV. 1

Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
-107	222s	[signature] R.J. Praznik for D. LaPierre	2-20-96/1410	
Relinquished By (Sign and PRINT)		(20) Received By (Sign and PRINT)	(21) Date/Time	(22) Receiver Comments
[signature] R.J. Praznik		[signature] David J Keane	2/20/96/1415	
Relinquished By (Sign and PRINT)		(24) Received By (Sign and PRINT)	(25) Date/Time	(26) Receiver Comments
[signature] David J Keane		[signature] N LAPIERS	1420 2-20-96	
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.

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

(1) Shipment Number 2004W-08-TF (2) Sample Number 96-097B (3) Supervisor D. Hartley / Dawn Zolnie

(4) Tank U-107 (5) Riser 7 (6) Segment 5B (7) Core 134 (8) Cask Serial Number SA1#69

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<0.5 mR/HR	<0.5
Side Dose Rate	21 MR/HR	~~25~~ 24
Bottom Dose Rate	9 mR/HR	10 mR
Smearable Contamination	<20 DPM (Alpha)	<20 DPM (Alpha)
	<1000 DPM (Beta-Gamma)	<1K DPM (Beta-Gamma)
RCT* (HPT)	(Signature)	RCT* (HPT) (Signature)

(10) Shipment Description

A. Work Package Number WS-95-002/2/
B. Cask Seal Number 022-~~7491~~ 1563
C. Sampler Serial Number 94-060
D. Date and Time Sampler Unseated 2-21-96, 0/0
E. Expected Liquid Content 10%
F. Expected Solid Content 90%
G. Dose Rate Through Drill String 1-2 R/HR
H. Expected Sample Length ~~1904~~ 911

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

71

(12) Field Comments
Lithium Bromide H_2O Added
Dawn Zolnie
X-RAY 2-21-96

(34) Laboratory Comments
#784

COPY

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
U-107	2225	R.J. Prazniak for D. Hartley	2-23-96/1010	
(19) Relinquished By (Sign and PRINT)	**(20) Received By (Sign and PRINT)**		**(21) Date/Time**	**(22) Receiver Comments**
R.J. Prazniak	M.L. Dunnington		2-23-96/1045hrs	
(23) Relinquished By (Sign and PRINT)	**(24) Received By (Sign and PRINT)**		**(25) Date/Time**	**(26) Receiver Comments**
M.L. Dunnington	Arlee B. Beardy		2-23-96/1045	
(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

WHC-SD-WM-DP-184, REV. 1

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

(1) Shipment Number 200W-08-TF (2) Sample Number ~~94-062~~ 96-098 (3) Supervisor Hartley / Damon Fleming

(4) Tank 4-107 (5) Riser 7 (6) Segment 6 (7) Core 134 (8) Cask Serial Number C 2012

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<0.5 mR/HR	<0.5
Side Dose Rate	<0.5 mR/HR	<0.5
Bottom Dose Rate	<0.5 mR/HR	<0.5
Smearable Contamination	<20 DPM (Alpha)	<20 DPM (Alpha)
	<1000 DPM (Beta-Gamma)	<1K DPM (Beta-Gamma)
RCT* (HPT)	(Signature)	RCT* (HPT) (Signature)

(10) Shipment Description

A. Work Package Number	WS-95-002120
B. Cask Seal Number	B2 2-21-96 ~~4497~~ 1565
C. Sampler Serial Number	94-062
D. Date and Time Sampler Unseated	2-21-96, 0318
E. Expected Liquid Content	10%
F. Expected Solid Content	90%
G. Dose Rate Through Drill String	2 mR/HR
H. Expected Sample Length	13½"

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

72

COPY

(12) Field Comments

Lithium bromide Water Added

13½" Sample

Damon Fleming X-Ray 2-21-96

(34) Laboratory Comments

#785

WHC-SD-WM-DP-184, REV. 1

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
U107 r7	222-S	RJ Praznik for D. Hartley	2-23-96/1010	
(19) Relinquished By (Sign and PRINT)		(20) Received By (Sign and PRINT)	(21) Date/Time	(22) Receiver Comments
RJ Praznik		McDunnington	2-23-96/1014	
(23) Relinquished By (Sign and PRINT)		(24) Received By (Sign and PRINT)	(25) Date/Time	(26) Receiver Comments
McDunnington		Arthur B. Bentley	2-23-96/1045	
(27) Relinquished By (Sign and PRINT)		(28) Received By (Sign and PRINT)	(29) Date/Time	(30) Receiver Comments

(18) Seal Intact Upon Release? ☒ Yes ☐ No

(31) Seal Intact Upon Receipt? ☐ Yes ☐ No

(32) Seal Data Consistent with this Record?

Shipment No. ☐ Yes ☐ No

Cask Seal No. ☐ Yes ☐ No

Sample No.

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

COPY

(1) Shipment Number 200W-08-TF (2) Sample Number 96-098A (3) Supervisor Dawn LaPierre

(4) Tank U-107 (5) Riser 7 (6) Segment 6A (7) Core 134 (8) Cask Serial Number C2015

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<0.5 mR/hr	<0.5 mR/hr
Side Dose Rate	2.1 mR/hr	2.3 mR/hr
Bottom Dose Rate	2.7 mR/hr	2.7 mR/hr
Smearable Contamination	<20 dpm (Alpha)	<20 DPM (Alpha)
	<1000 dpm (Beta-Gamma)	<1000 DPM (Beta-Gamma)
RCT* (HPT)	[signature] (Signature)	[signature] (Signature)

(10) Shipment Description	
A. Work Package Number	WS/95/00212
B. Cask Seal Number	1564
C. Sampler Serial Number	94-334
D. Date and Time Sampler Unseated	19:05 2-26-96
E. Expected Liquid Content	10%
F. Expected Solid Content	90%
G. Dose Rate Through Drill String	±50 mR/hrs
H. Expected Sample Length	19"

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

73

(12) Field Comments

Lith Br. added. Expect most of sample to be Lith Bromite

(34) Laboratory Comments

924

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
U-107	222s	[signature] R J Peazwik for D LaPierre	2-27-96/1030	
(19) Relinquished By (Sign and PRINT)		(20) Received By (Sign and PRINT)	(21) Date/Time	(22) Receiver Comments
[signature] R.J Peazwik		[signature] James K Fuchsky	2-27-96 1033	
(23) Relinquished By (Sign and PRINT)		(24) Received By (Sign and PRINT)	(25) Date/Time	(26) Receiver Comments
[signature] James K Fuchsky		[signature] / JR Prilucik	2-27-96/1055	
(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?		
☒ Yes ☐ No	☒ Yes ☐ No	Shipment No. ☒ Yes ☐ No	Cask Seal No. ☒ Yes ☐ No	Sample No. ☒ Yes ☐ No

WHC-SD-WM-DP-184, REV. 1

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

(1) Shipment Number 100W-08-TF (2) Sample Number 96-100 (3) Supervisor M. C. Jones

(4) Tank U-107 (5) Riser 2 (6) Segment 1 (7) Core 135 (8) Cask Serial Number SN-69

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	.6 mrem/hr	6.5 mrem/hr
Side Dose Rate	30 mrem/hr	16 mrem/HR
Bottom Dose Rate	16 mrem/hr	8 mrem/HR
Smearable Contamination	<20 (Alpha)	<20 dpm (Alpha)
	<1,000 (Beta-Gamma)	<100 DPM (Beta-Gamma)
RCT* (HPT)	D J Dodson (Signature)	RCT* (HPT) J R Moran (Signature)

(10) Shipment Description	
A. Work Package Number	WS-95-0021R
B. Cask Seal Number	10462
C. Sampler Serial Number	95-071
D. Date and Time Sampler Unseated	3/20/96 0425
E. Expected Liquid Content	100%
F. Expected Solid Content	0%
G. Dose Rate Through Drill String	1 R/HR
H. Expected Sample Length	12"

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

GROUP 96000422

J4

COPY

(12) Field Comments

X-RAY SHOWED ABOUT 4½" IN SAMPLER

(34) Laboratory Comments

S96T001667

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
U-107	222-S	R.J. Prazuik for M Jones	4-1-96/1400	
(19) Relinquished By (Sign and PRINT)		**(20) Received By (Sign and PRINT)**	**(21) Date/Time**	**(22) Receiver Comments**
R.J. Prazuik		ML Dunnington	4-1-96/1401	
(23) Relinquished By (Sign and PRINT)		**(24) Received By (Sign and PRINT)**	**(25) Date/Time**	**(26) Receiver Comments**
ML Dunnington		N LAPIERS	4-1-96 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

WHC-SD-WM-DP-184, REV. 1

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

(1) Shipment Number 200W-08-TF (2) Sample Number 96-100R (3) Supervisor M.C Jones

(4) Tank U-107 (5) Riser 2 (6) Segment 1R (7) Core 135 (8) Cask Serial Number SN-64

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<5 mrem/hr.	2.6 mR
Side Dose Rate	52 mrem/hr	20 mR/HR
Bottom Dose Rate	14 mrem/hr	8 mR/HR
Smearable Contamination	<20 (Alpha)	<20 DPM (Alpha)
	<1,000 (Beta-Gamma)	<1000 DPM (Beta-Gamma)
RCT* (HPT)	DJ Dodson (Signature)	RCT* (HPT) GR Morak (Signature)

(10) Shipment Description

A. Work Package Number	W5-95-00212
B. Cask Seal Number	10422
C. Sampler Serial Number	10422 MCS 95-1095
D. Date and Time Sampler Unseated	3-26-96/1030
E. Expected Liquid Content	100%
F. Expected Solid Content	0%
G. Dose Rate Through Drill String	1.5 R/HR
H. Expected Sample Length	19"

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

25

COPY

(12) Field Comments

X-RAY Showed 18" in sampler

(34) Laboratory Comments

1668

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
U-107	222-S	RJ Praznik for M. Jones	4-1-96/1400	
(19) Relinquished By (Sign and PRINT)		(20) Received By (Sign and PRINT)	(21) Date/Time	(22) Receiver Comments
RJ Praznik		[illegible]	4-1-96/1401	
(23) Relinquished By (Sign and PRINT)		(24) Received By (Sign and PRINT)	(25) Date/Time	(26) Receiver Comments
MC Dunnington		N LAPIERS	4-1-96 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?		
	[illegible] No	Shipment No. ☒ Yes ☐ No	Cask Seal No. ☒ Yes ☐ No	Sample No. ☒ Yes ☐ No

WHC-SD-WM-DP-184, REV. 1

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

(1) Shipment Number 200W-08-TF (2) Sample Number 96-101 (3) Supervisor M.C. Jones

(4) Tank U-107 (5) Riser 2 (6) Segment 2 (7) Core 135 (8) Cask Serial Number SN-74

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	2.5 mrem/hr	<0.5 mR/HR
Side Dose Rate	30 mrem/hr	12 mR/HR
Bottom Dose Rate	12 mrem/hr	6 mR/HR
Smearable Contamination	<20 DPM/100cm² (Alpha)	<20 DPM/100cm² (Alpha)
	<1,000 DPM/100cm² (Beta-Gamma)	<1,000 DPM/100cm² (Beta-Gamma)
RCT* (HPT)	DJ Dodson (Signature)	RCT* (HPT) JR Morales (Signature)

(10) Shipment Description

A. Work Package Number	WS-95-0022
B. Cask Seal Number	10464
C. Sampler Serial Number	94-044
D. Date and Time Sampler Unseated	3/20/96 0507
E. Expected Liquid Content	50%
F. Expected Solid Content	50%
G. Dose Rate Through Drill String	45 MR/HR
H. Expected Sample Length	6"

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

76

(12) Field Comments

X-RAY SHOWED SAMPLER WAS EMPTY

(34) Laboratory Comments

1669

SCF

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
U-107	222-S	R.J. PRAZNIK, for M. Jones	4-1-96/1100	
(19) Relinquished By (Sign and PRINT)		**(20) Received By (Sign and PRINT)**	**(21) Date/Time**	**(22) Receiver Comments**
RJ PRAZNIK		ML DUNNINGTON	4-1-96/1120	
(23) Relinquished By (Sign and PRINT)		**(24) Received By (Sign and PRINT)**	**(25) Date/Time**	**(26) Receiver Comments**
ML Dunnington		N LAPIERS	4-1-96/200	
(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 the Record?		
		Shipment No.	Cask Seal No.	Sample No.
☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes	☒ Yes ☐ No

WHC-SD-WM-DP-184, REV. 1

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

(1) Shipment Number 200W-08-TF (2) Sample Number 96-101A (3) Supervisor Dave DLaPierre

(4) Tank U-107 (5) Riser 2 (6) Segment 2A (7) Core 135 (8) Cask Serial Number C2013

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	.6 mrem/hr	10.5 mR/HR
Side Dose Rate	20 mrem/hr	10 mR/HR
Bottom Dose Rate	10 mrem/hr	5 mR/HR
Smearable Contamination	<20 DPM/100cm² (Alpha)	<20 DPM (Alpha)
	<1,000 DPM/100cm² (Beta-Gamma)	<1,000 DPM (Beta-Gamma)
RCT* (HPT)	DJ Dodson (Signature)	RCT* (HPT) JR Moeller (Signature)

(10) Shipment Description

A. Work Package Number	WS-95-00212
B. Cask Seal Number	1553
C. Sampler Serial Number	95-1515
D. Date and Time Sampler Unseated	3-22-96 2055
E. Expected Liquid Content	10%
F. Expected Solid Content	90%
G. Dose Rate Through Drill String	800 mR/hr
H. Expected Sample Length	2 1/2 inches

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

22

(12) Field Comments

(34) Laboratory Comments

1670

COPY

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
U-107	2225	R. J Peazuik for DLaPierre	4-1-96 1400	
(19) Relinquished By (Sign and PRINT)		(20) Received By (Sign and PRINT)	(21) Date/Time	(22) Receiver Comments
R. J Peazuik		MC Dunnington	4-1-96 1400	
(23) Relinquished By (Sign and PRINT)		(24) Received By (Sign and PRINT)	(25) Date/Time	(26) Receiver Comments
MC Dunnington		N LAPIERS	1430 4-1-96	
(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

WHC-SD-WM-DP-184, REV. 1

COPY

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

(1) Shipment Number 200W-08-TF	(2) Sample Number 96-101R	(3) Supervisor Blaine L Hall	3-18-96
(4) Tank 107-U	(5) Riser 2	(6) Segment 2R	(7) Core 135
(8) Cask Serial Number C-2009			

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<0.5 mr/hr	<0.5 mR/hr
Side Dose Rate	4 mr/hr	5 mR/hr
Bottom Dose Rate	6 mr/hr	8 mR/hr
Smearable Contamination	<20 (Alpha)	<20 (Alpha)
	<1K (Beta-Gamma)	<1K (Beta-Gamma)
RCT (HPT)	[signature] (Signature)	RCT (HPT) [signature] (Signature)

(10) Shipment Description	
A. Work Package Number	WS-95-002120
B. Cask Seal Number	1261
C. Sampler Serial Number	95-145S
D. Date and Time Sampler Unseated	12:50 PM 3-28-96
E. Expected Liquid Content	10%
F. Expected Solid Content	90%
G. Dose Rate Through Drill String	300 M/R
H. Expected Sample Length	19"

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

77.1

(12) Field Comments

(34) Laboratory Comments

1692

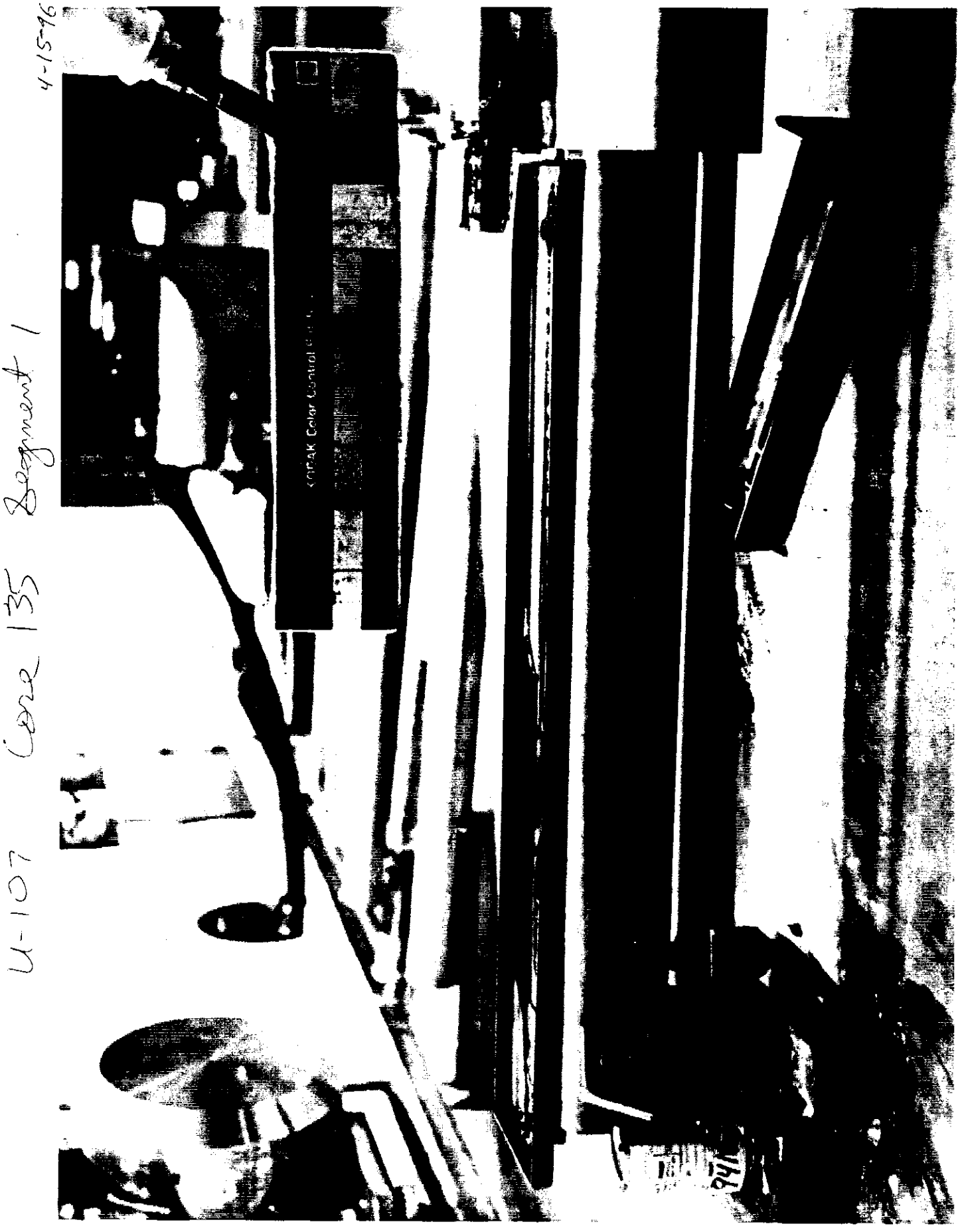
(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
U107 riser 2	222-S	[signature] RJ Praznik for B. Hall	4-2-96/920	
(19) Relinquished By (Sign and PRINT)		(20) Received By (Sign and PRINT)	(21) Date/Time	(22) Receiver Comments
[signature] RJ Praznik		[signature] CEA Byrd	4-2-96 9:20	
(23) Relinquished By (Sign and PRINT)		(24) Received By (Sign and PRINT)	(25) Date/Time	(26) Receiver Comments
[signature] CEA Byrd		Raymond Akita R. AKITA	4-2-96 10:07	
(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-184, REV. 1

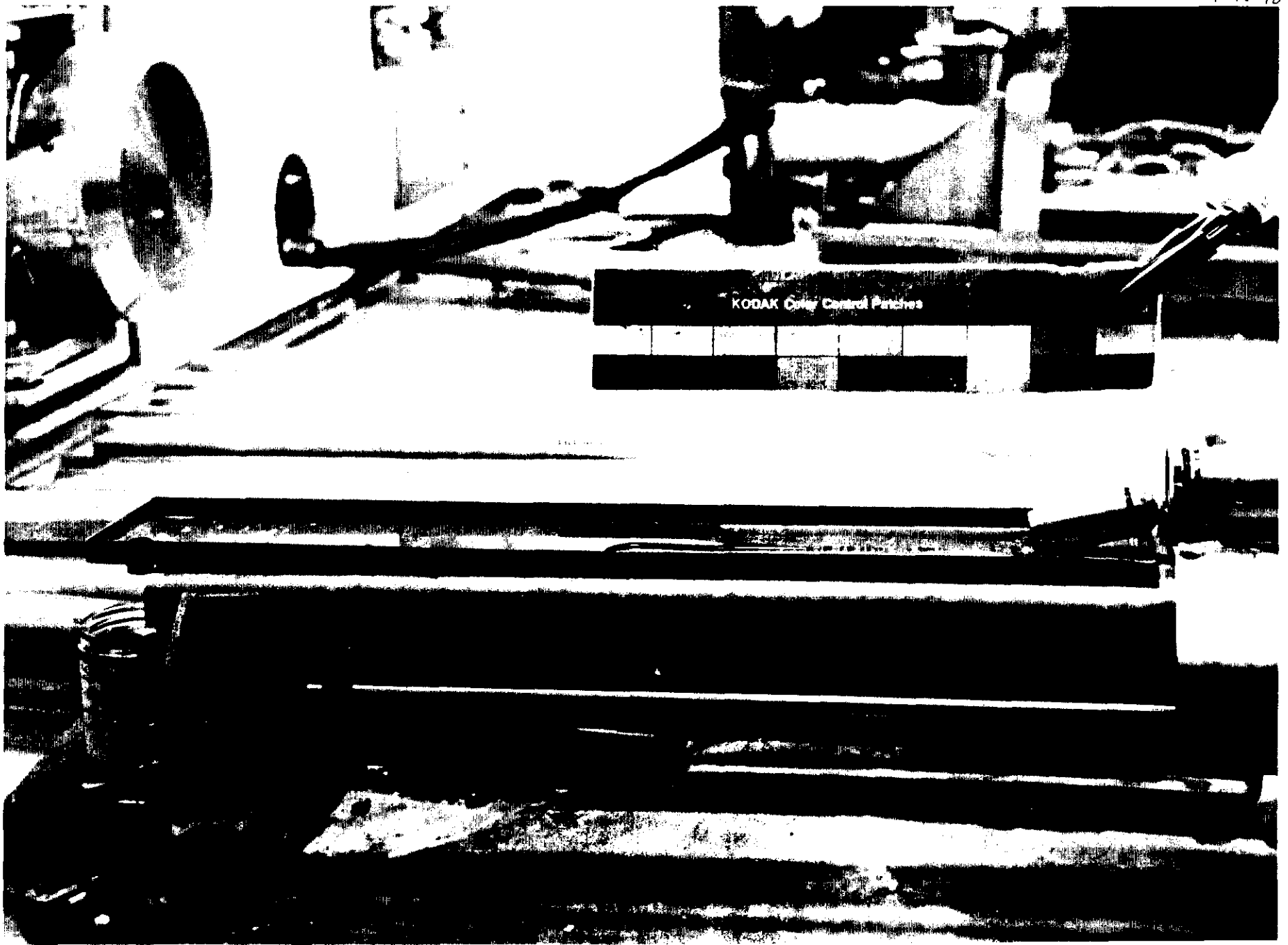
PHOTOGRAPHS

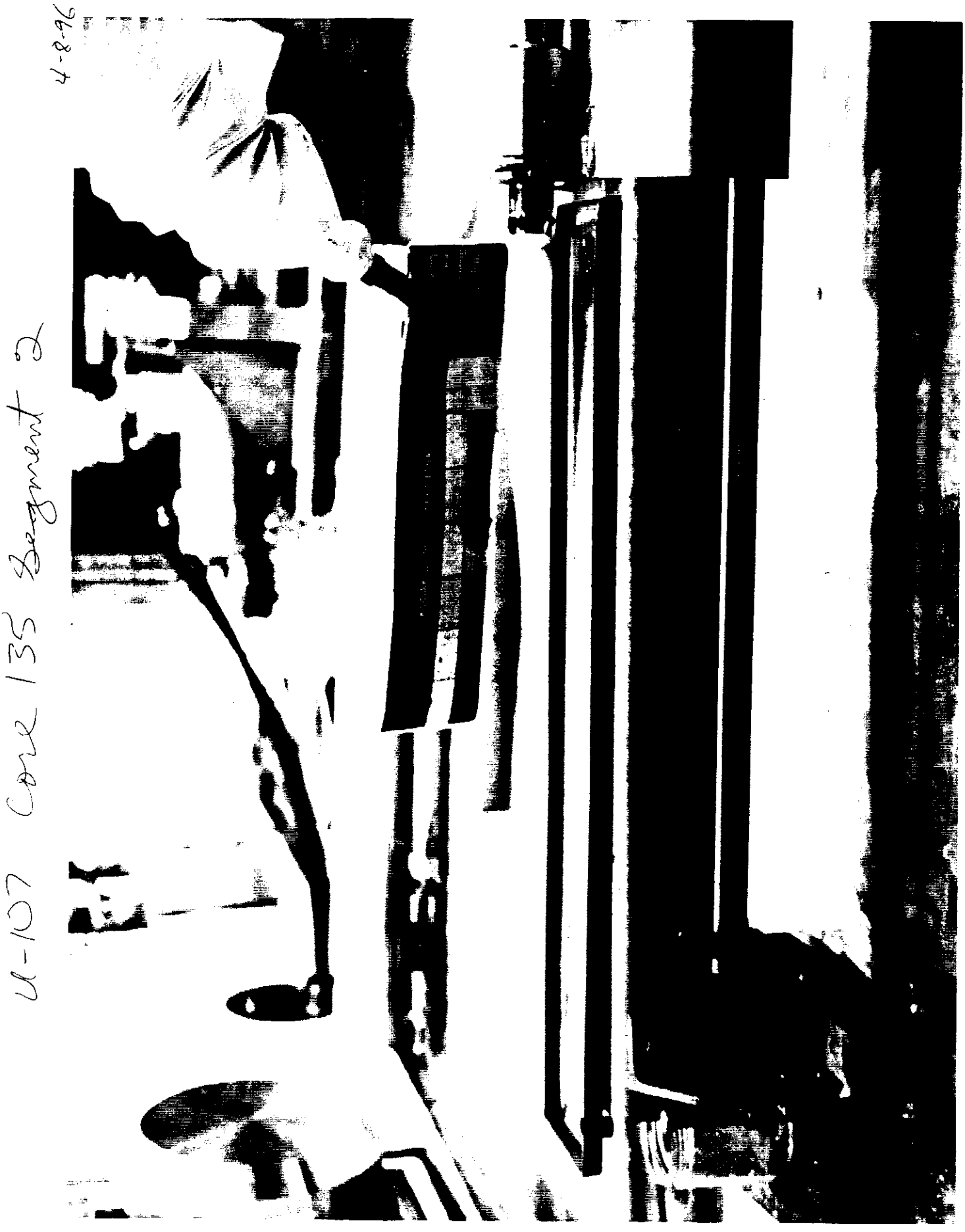
THIS PAGE WAS INTENTIONALLY LEFT BLANK


U-107 Core 135 Segment 1
4-15-96
KODAK Color Control

U-107 Core 135 Segment 1R

4-16-96

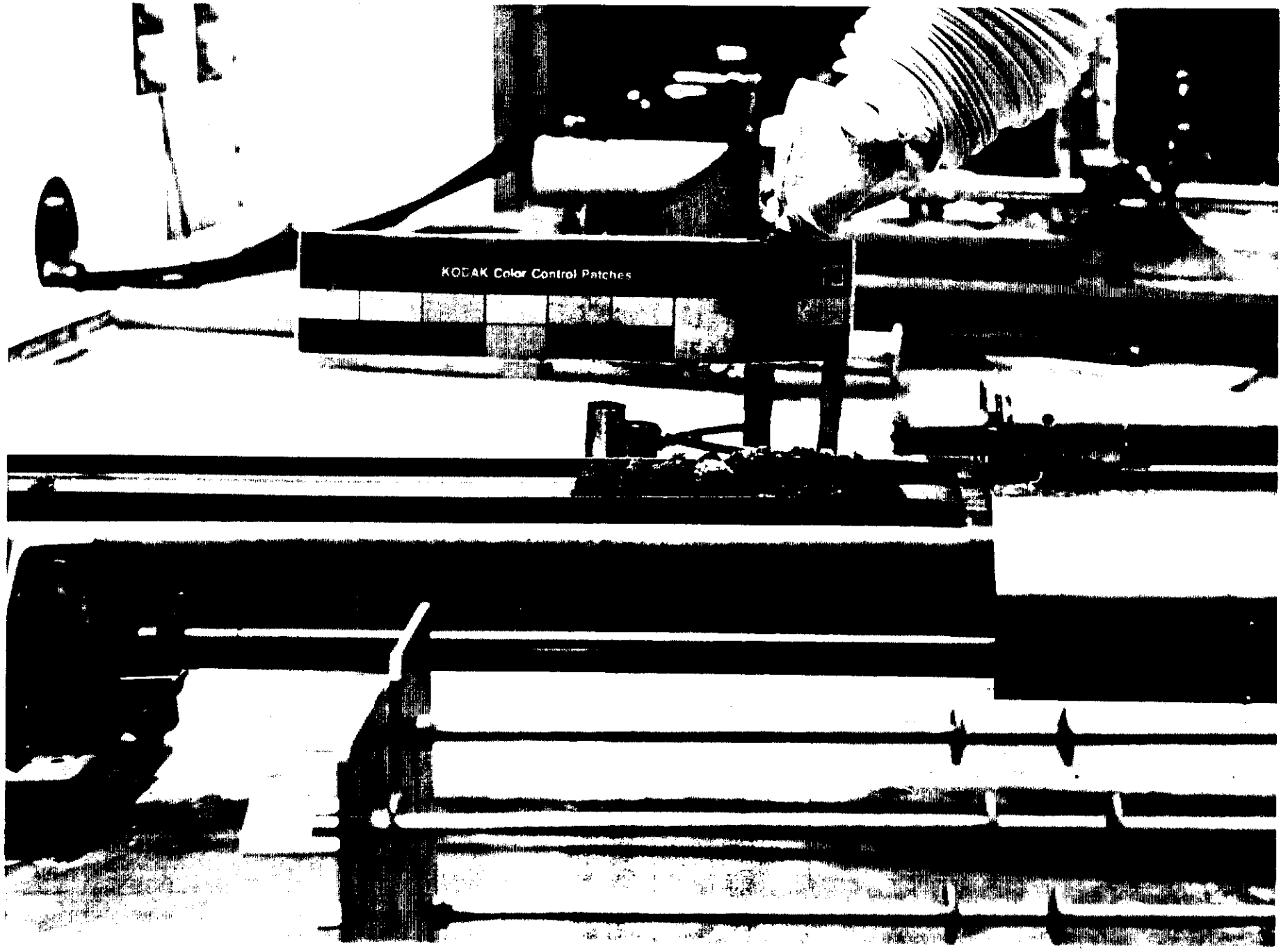



4-8-96
U-107 Core 135 Segment 2

4-16-96
4-101 Core 135 Segment 2A
KODAK

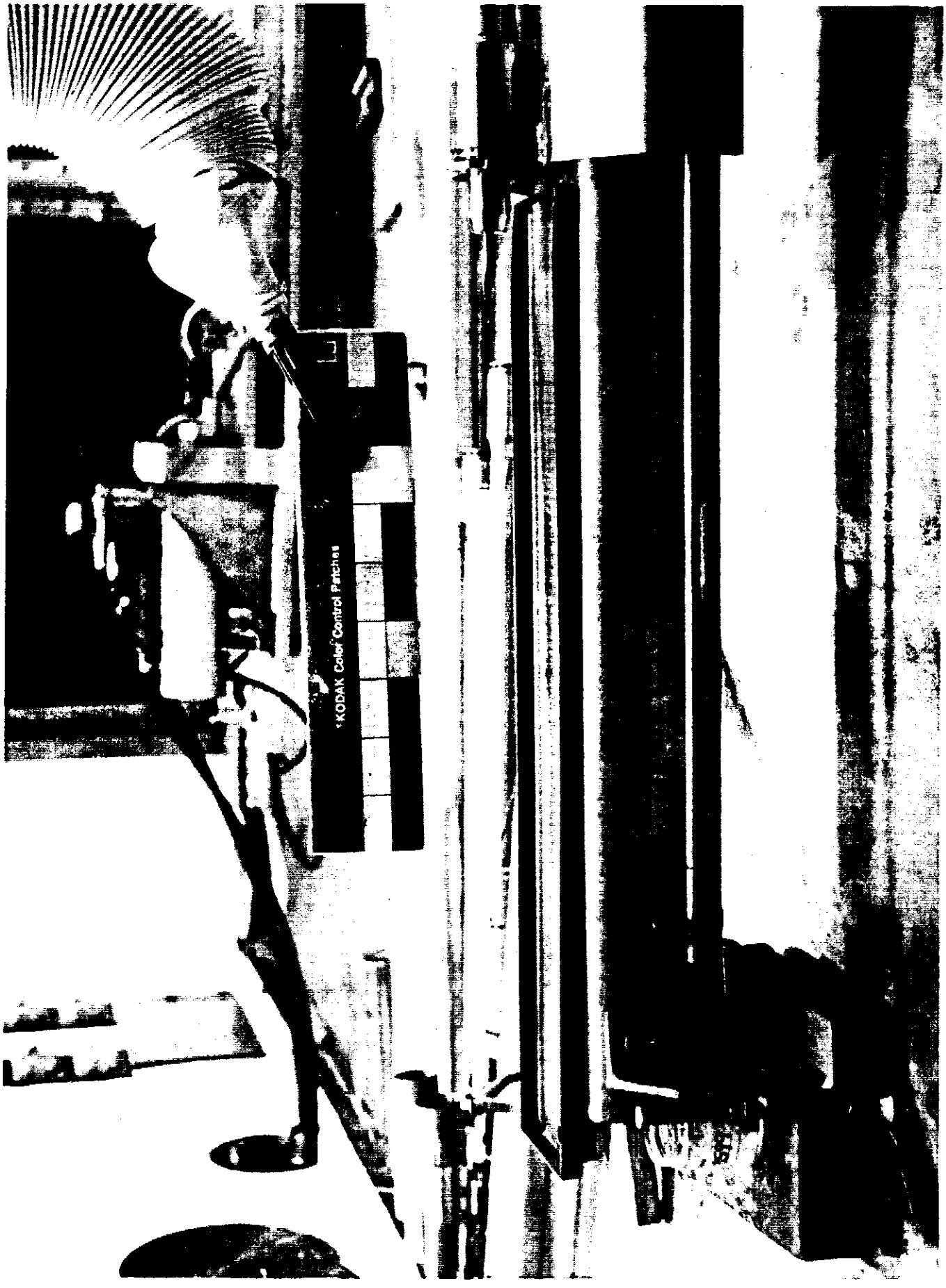
4-8-96
U-107 Core 135 segment 2R

U-107 Core 129 Segment #3R 2/20/96



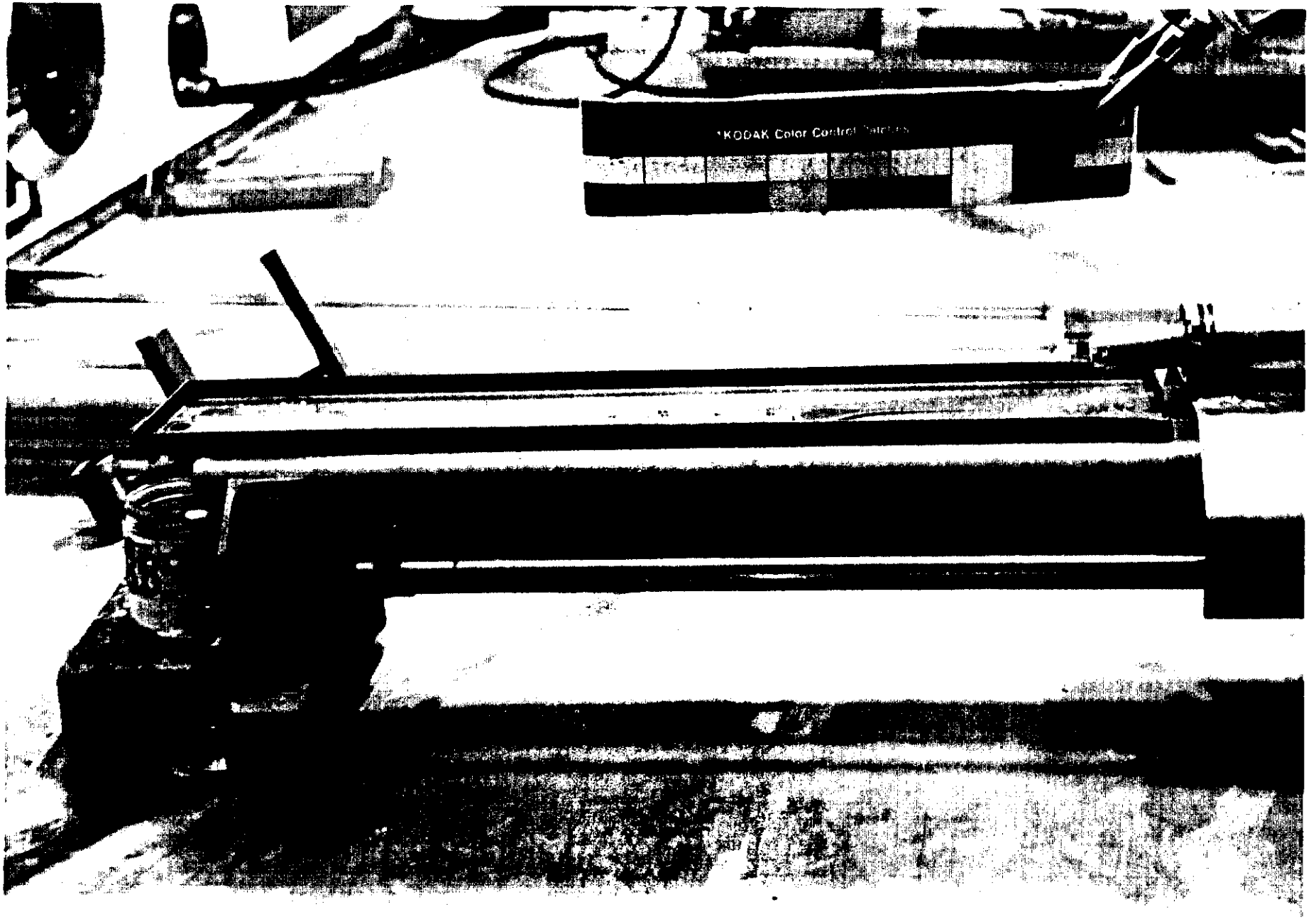
2-13-96

U-107 Core 129 Segment 1R

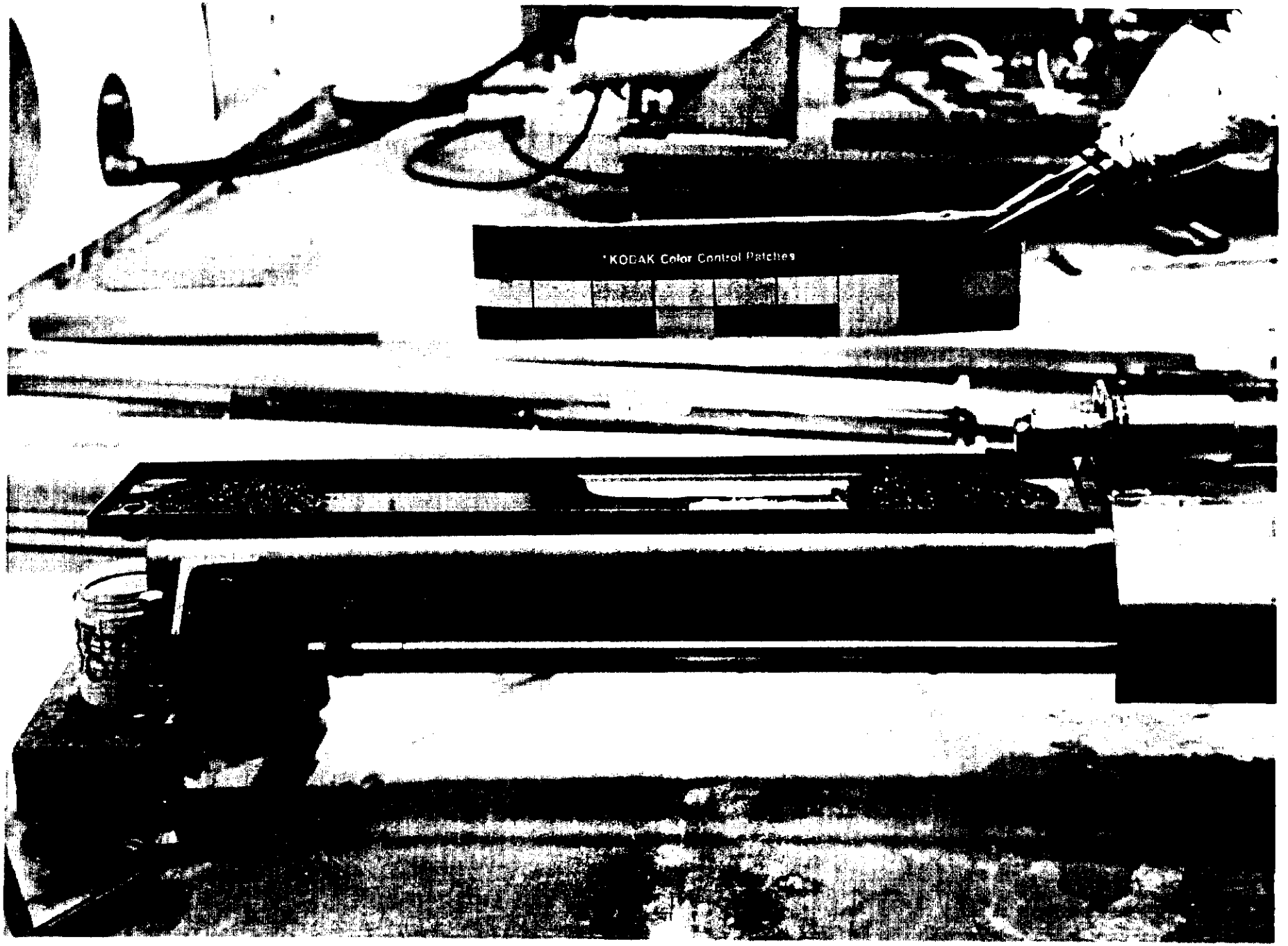


U-107 Core 129 Segment #1

2/13/96

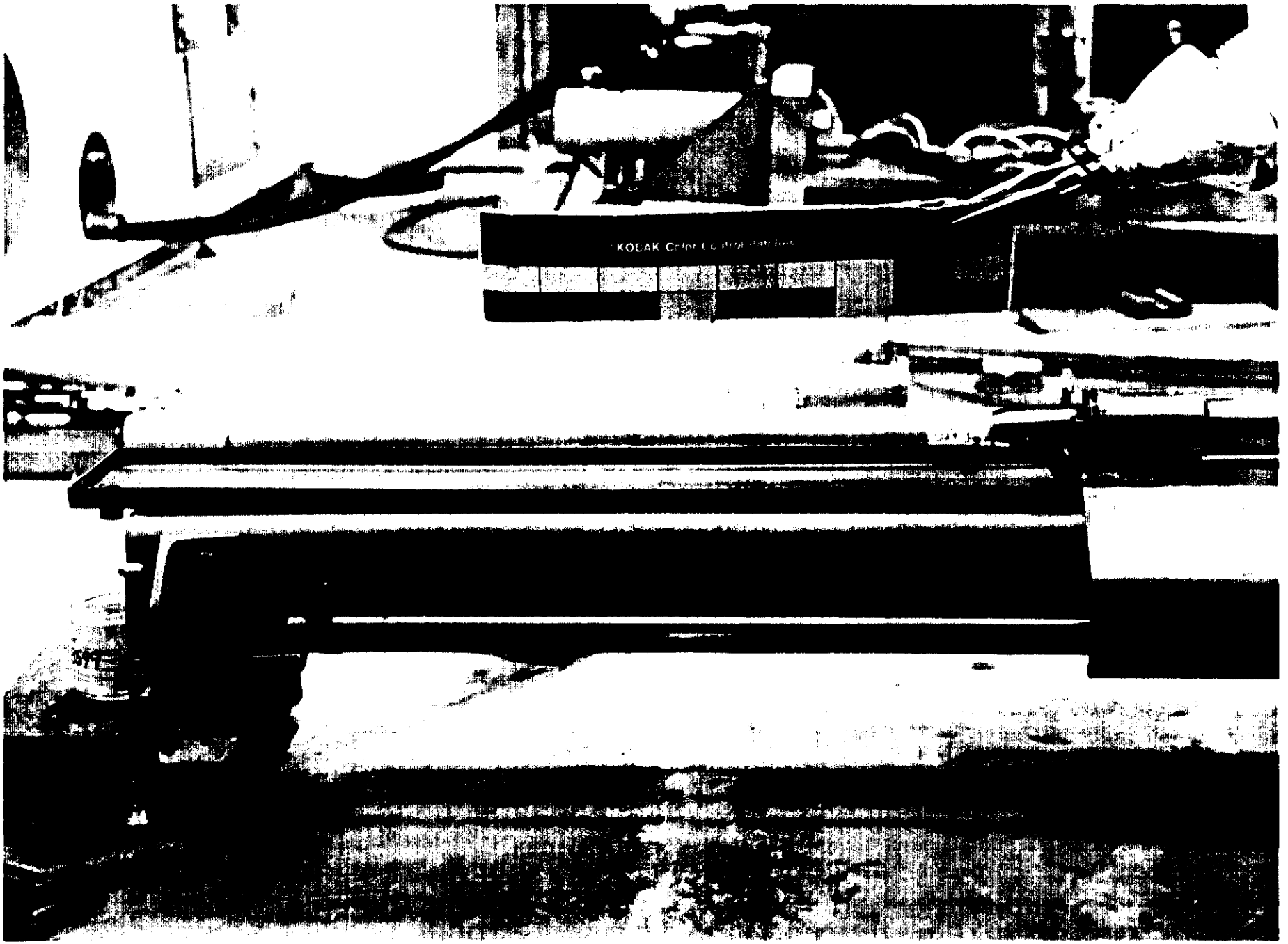


U-107 Core 129 Segment #2 2/13/96



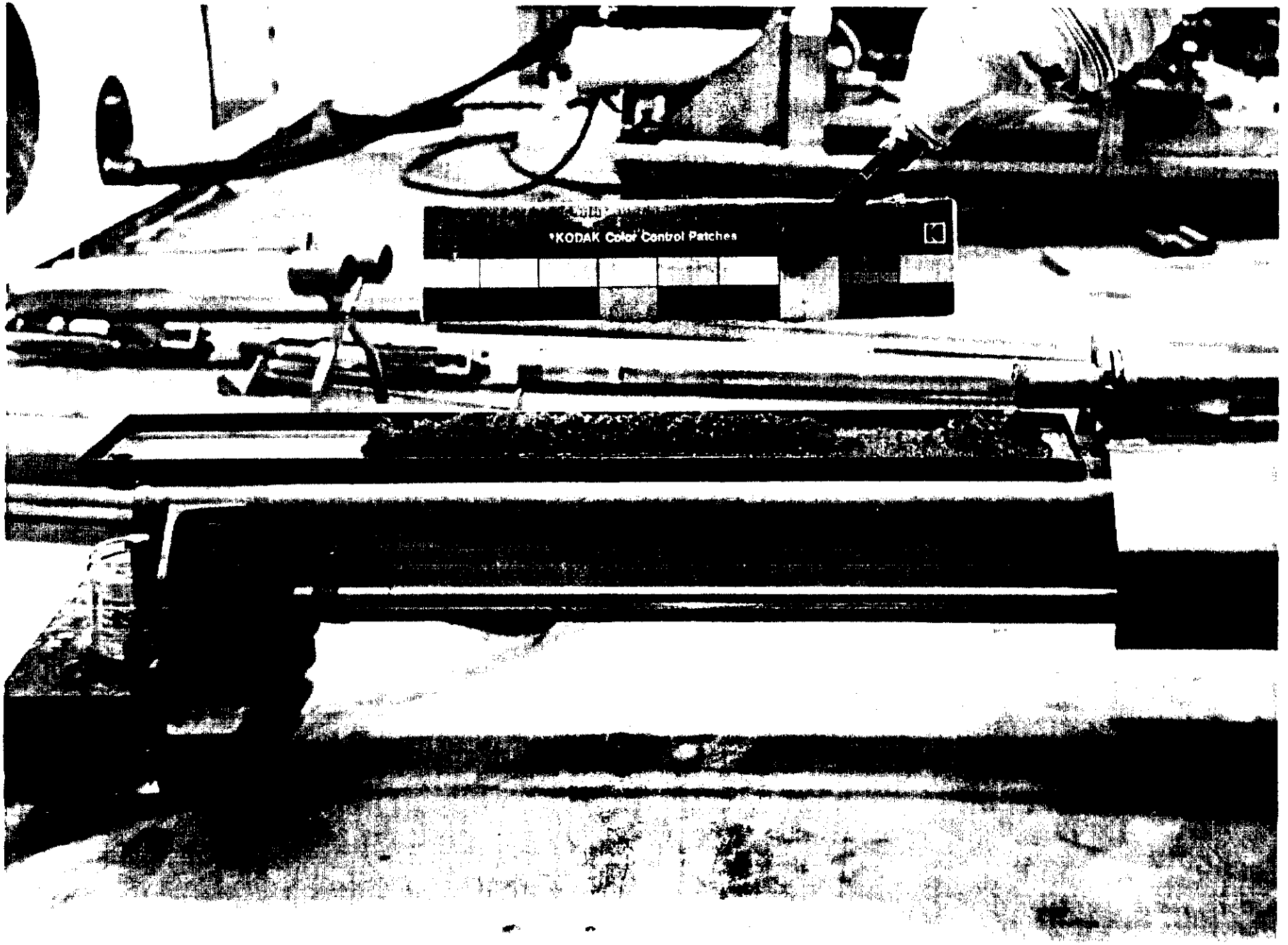
U-107 Core 129 Segment 2R

2-13-96

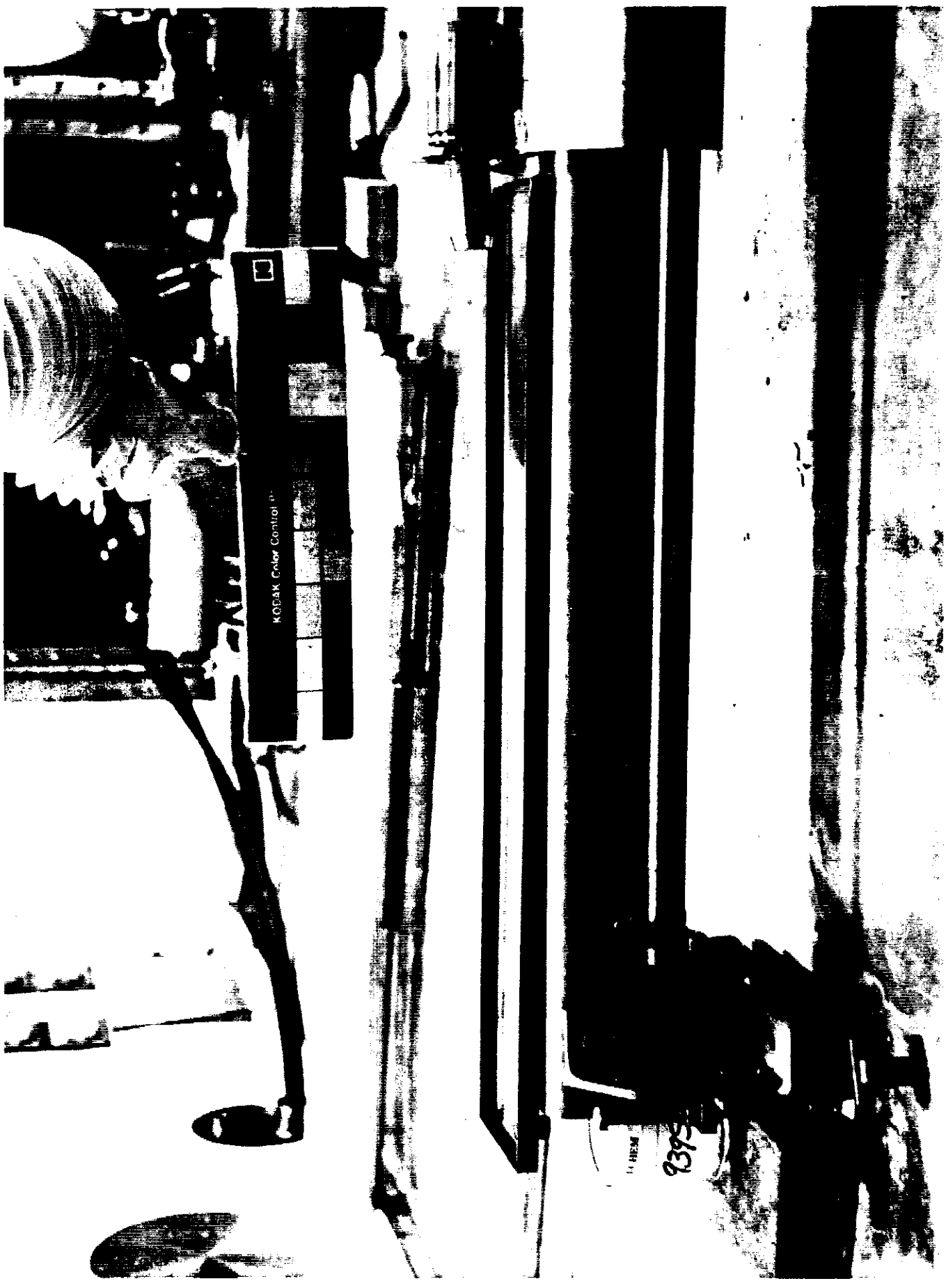


U-107 Core 129 Segment #3

2/13/96



KODAK Color Control Patches
L1-107 Core 129 segment #3R
2/30/96



U-107 Core 134 segment #1

2-23-96

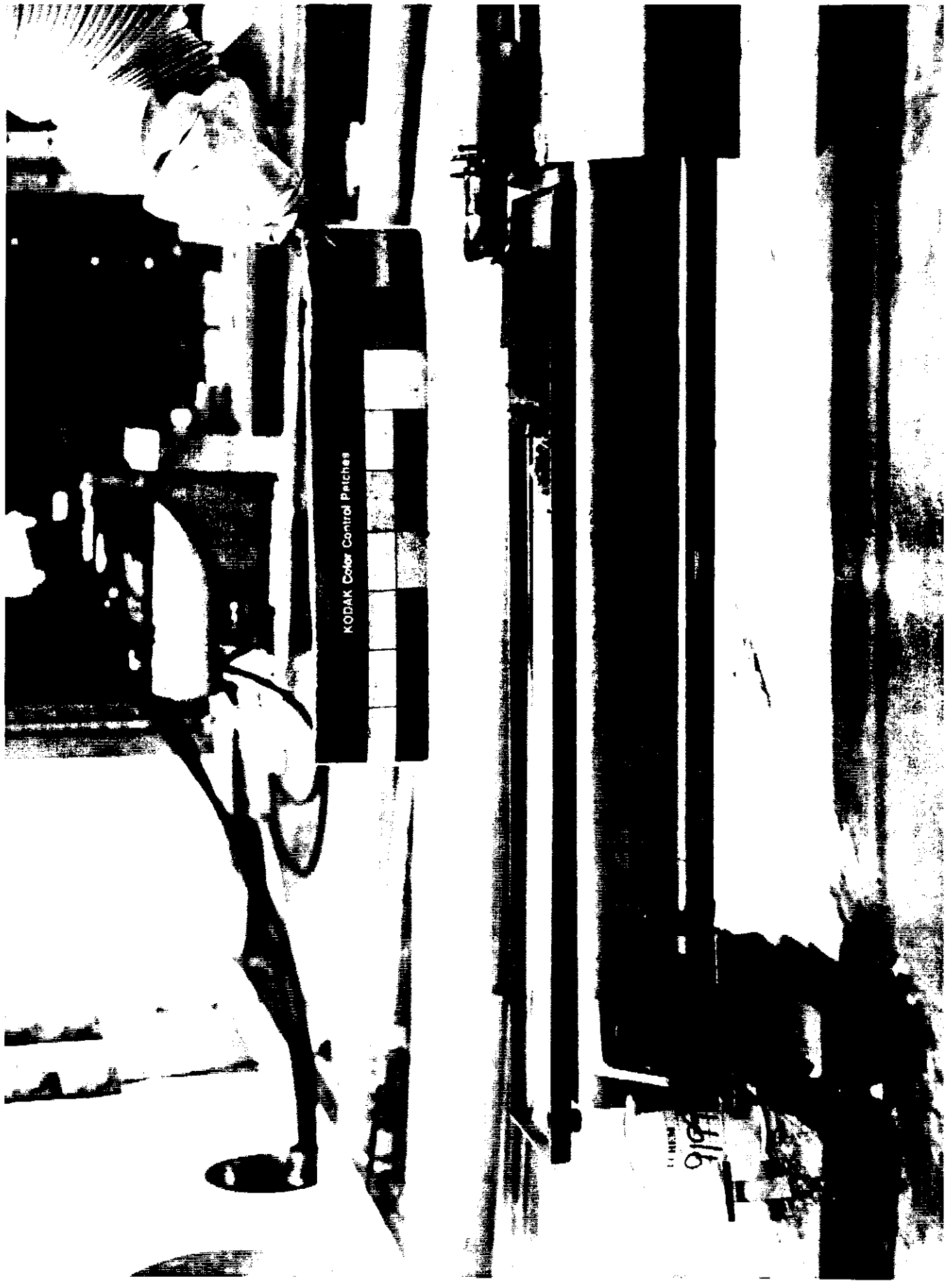
3-23-96

U-107 Core 134 Segment #2

2-27-96

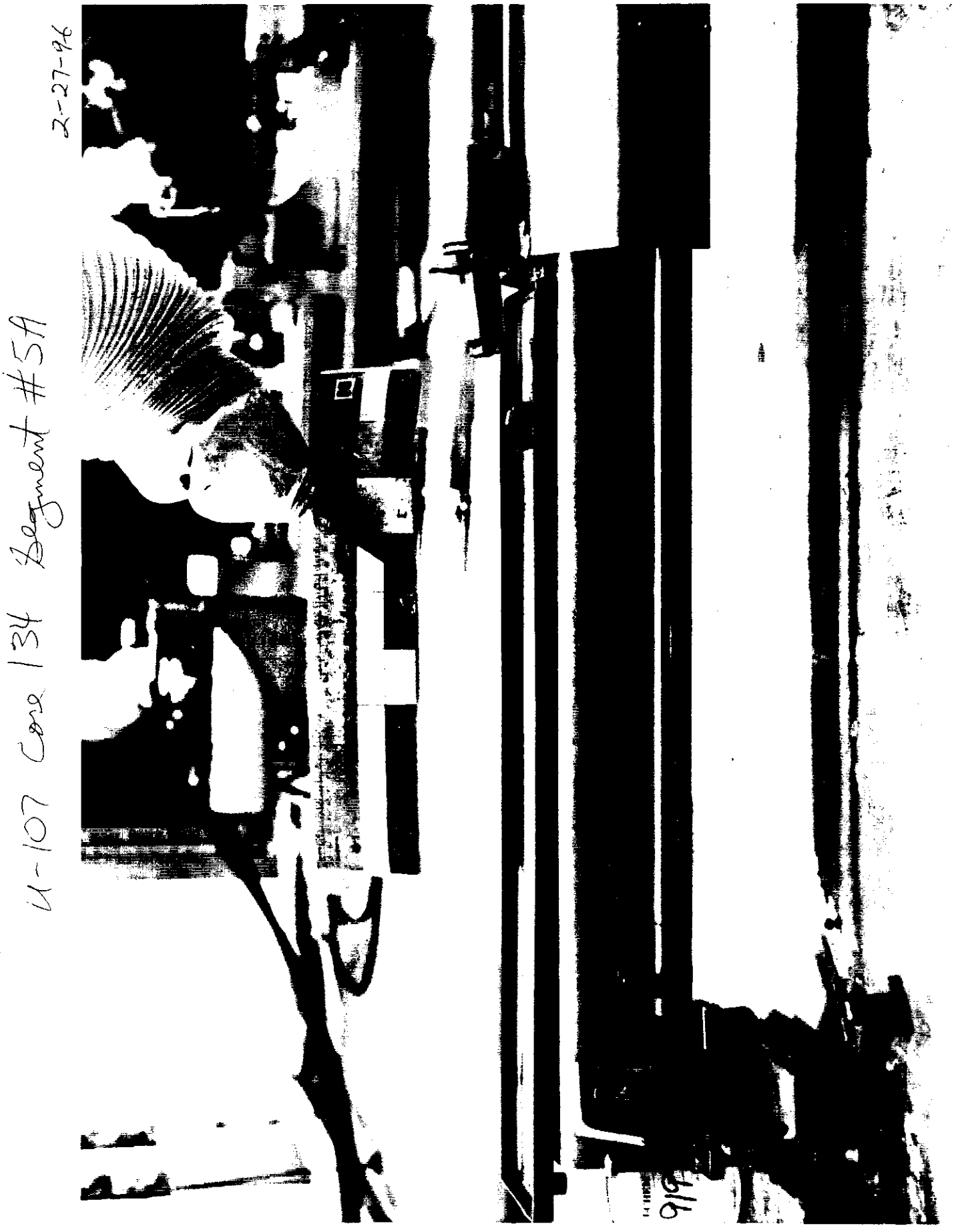
U-107 Core 134 Segment #3

U-107 Core 134 Segment #4
2-27-96



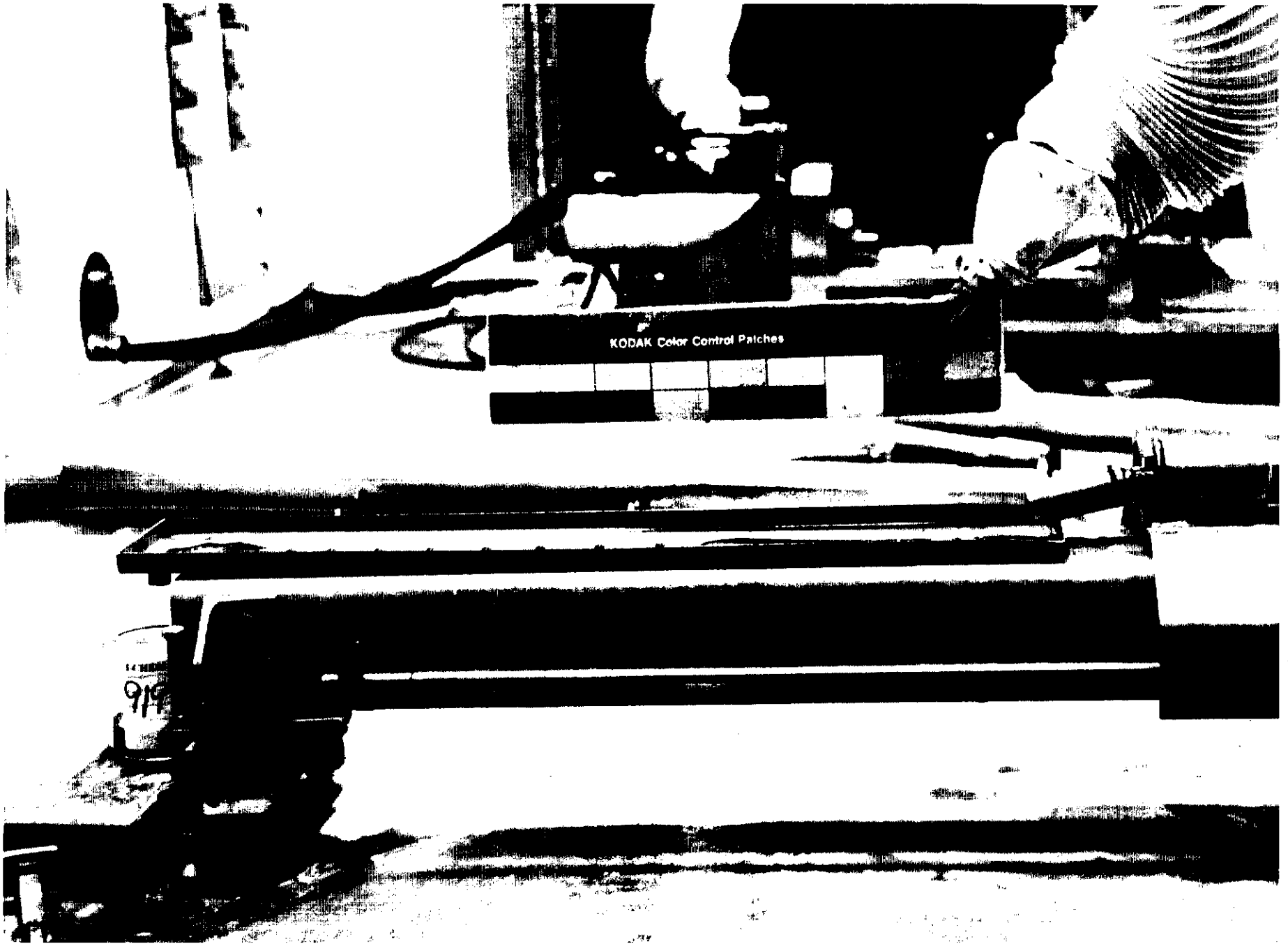
U-107 Core 134 Segment #5

2-27-96


U-107 Core 134 Segment #5A
2-27-96
916

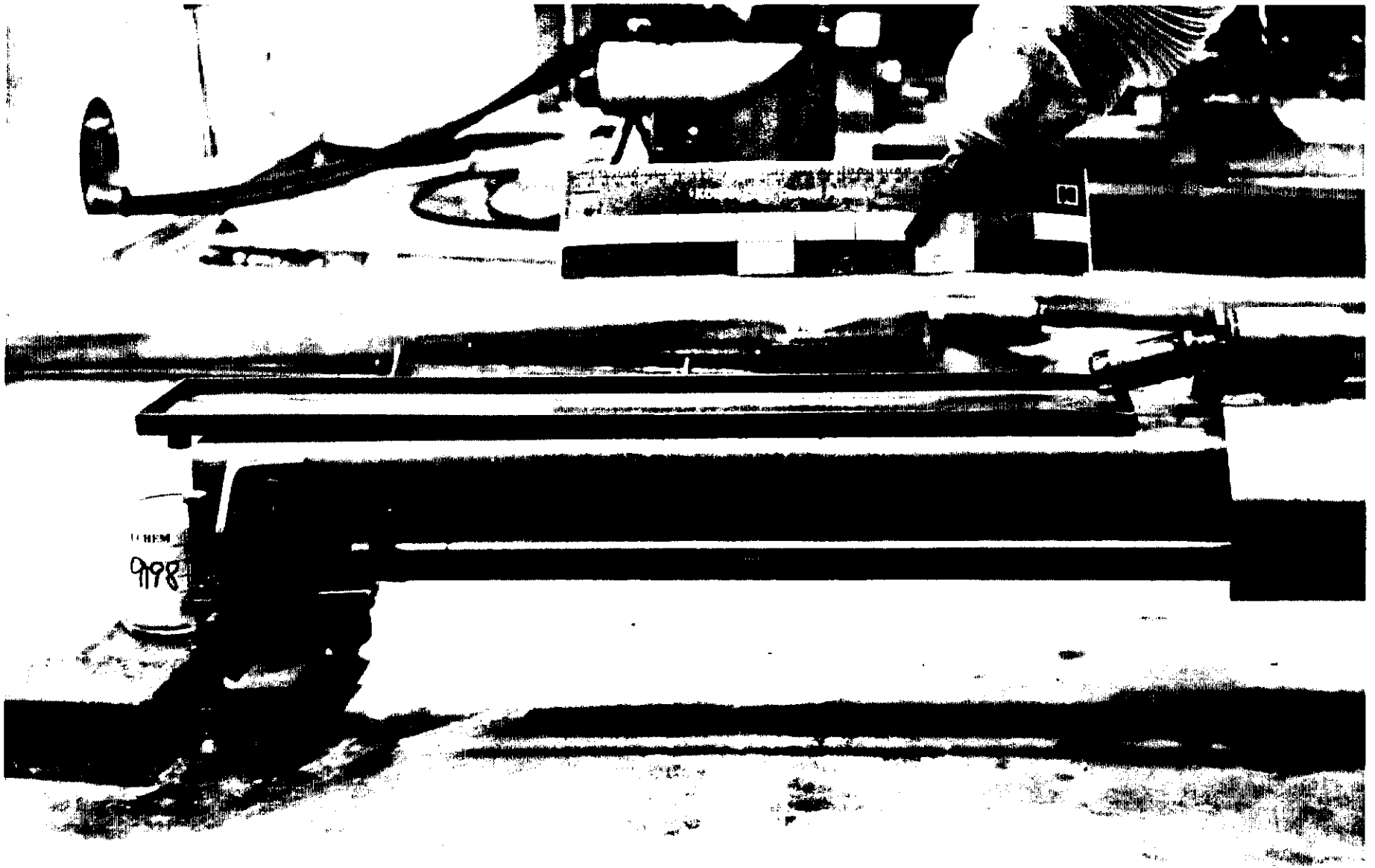
U-107 Core 134 Segment #5B

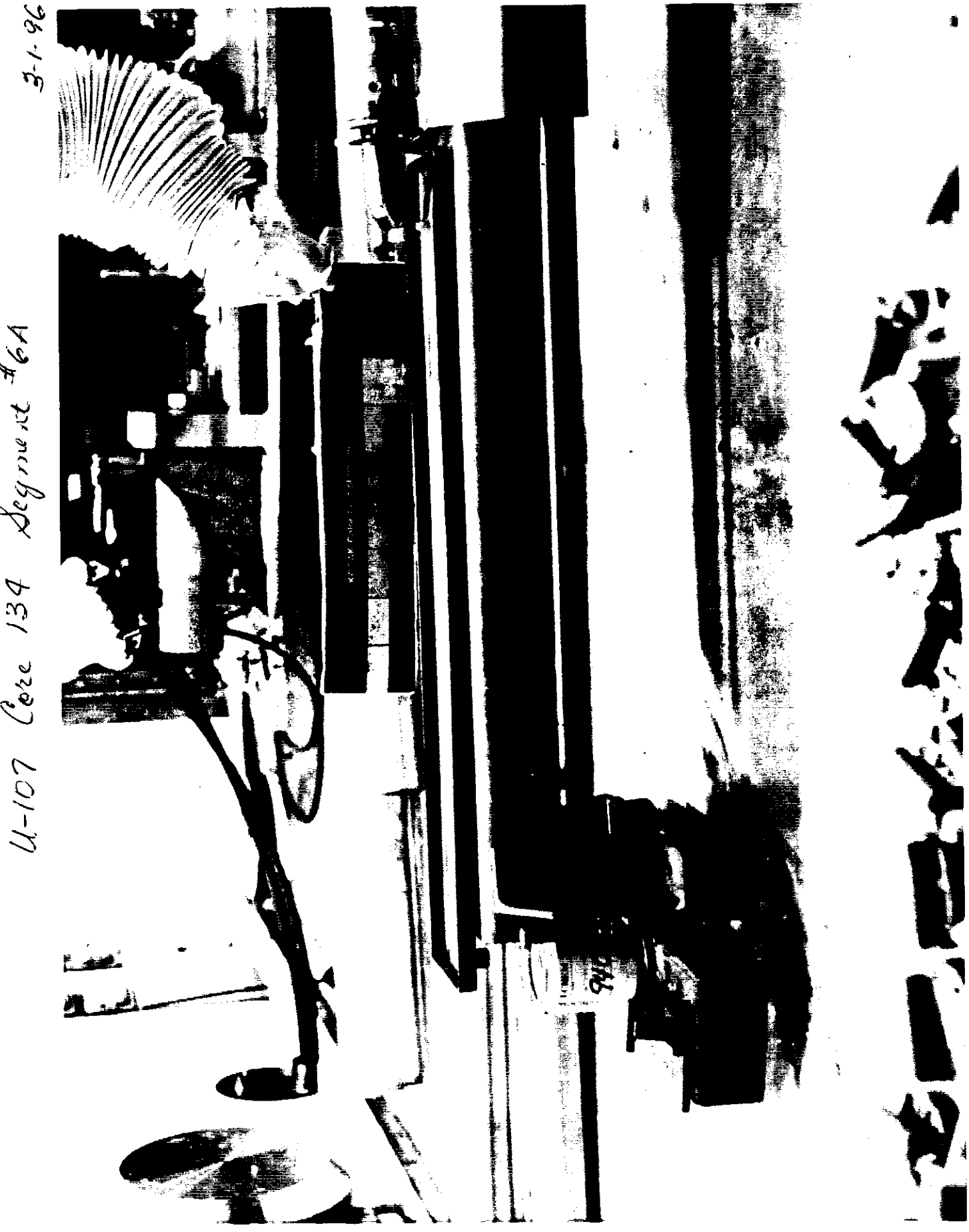
2-27-96



U-107 Core 134 Segment #6

2-27-96




U-107 Core 134 Segment #6A
3-1-96

SAMPLE HANDLING

THIS PAGE WAS INTENTIONALLY LEFT BLANK

LABCORE Data Entry Template for Worklist# 5652

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

Method: LO-160-103 Rev/Mod B-0 6-4-96

Worklist Comment: U-107 C129 SEG #1 RISER 9 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	500.00	N/A	
96000085	U-107	3	SAMPLE	S96T000610	0		DLIQVOL1	SOLID	N/A	210		mL
96000085	U-107	4	SAMPLE	S96T000610	0		DLIQWT01	SOLID	N/A	266.8		g
96000085	U-107	5	SAMPLE	S96T000610	0		EST.G/ML	SOLID	N/A	1.27		g/mL
96000085	U-107	6	SAMPLE	S96T000610	0		EXTRUD01	SOLID	N/A	complete		
96000085	U-107	7	SAMPLE	S96T000610	0		LLIQWT01	SOLID	N/A	0		g
96000085	U-107	8	SAMPLE	S96T000610	0		NOTEBOOK	SOLID	N/A	N-1004		
96000085	U-107	9	SAMPLE	S96T000610	0		SLDVOL01	SOLID	N/A	NA		mL
96000085	U-107	10	SAMPLE	S96T000610	0		SLDWT-01	SOLID	N/A	3.5		g
96000085	U-107	11	SAMPLE	S96T000610	0		APPEAR01	SOLID	N/A	complete		
96000085	U-107	12	SAMPLE	S96T000610	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 5652

EC 2-16-96 ✓ EC 2-16-96

Analyst Signature **Date** **Analyst Signature** **Date**

Bernard Griffin II
2-20-96

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# 5653

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

Method: LO-160-103 Rev/Mod B-0

Worklist Comment: U-107 C129 SEG #2 RISER 9 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	500.00	N/A	
96000085	U-107	3	SAMPLE	S96T000612	0		DLIQVOL1	SOLID	N/A	225		mL
96000085	U-107	4	SAMPLE	S96T000612	0		DLIQWT01	SOLID	N/A	273.5		g
96000085	U-107	5	SAMPLE	S96T000612	0		EST.G/ML	SOLID	N/A	1.21		g/mL
96000085	U-107	6	SAMPLE	S96T000612	0		EXTRUD01	SOLID	N/A	complete		
96000085	U-107	7	SAMPLE	S96T000612	0		LLIQWT01	SOLID	N/A	<5		g
96000085	U-107	8	SAMPLE	S96T000612	0		NOTEBOOK	SOLID	N/A	N-1004		
96000085	U-107	9	SAMPLE	S96T000612	0		SLDVOL01	SOLID	N/A	NA		mL
96000085	U-107	10	SAMPLE	S96T000612	0		SLDWT-01	SOLID	N/A	112.3		g
96000085	U-107	11	SAMPLE	S96T000612	0		APPEAR01	SOLID	N/A	complete		
96000085	U-107	12	SAMPLE	S96T000612	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 5653

EC 2-16-96 ✓ EC 2-16-96
Analyst Signature **Date** **Analyst Signature** **Date**
Bertrand Griffin II
2-20-96

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# 5654

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

Method: LO-160-103 Rev/Mod B-0

Worklist Comment: U-107 C129 SEG #3 RISER 9 EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	20.00	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	500.01	N/A	
96000085	U-107	3	SAMPLE	S96T000614	0		DLIQVOL1	SOLID	N/A	0		mL
96000085	U-107	4	SAMPLE	S96T000614	0		DLIQWT01	SOLID	N/A	0		g
96000085	U-107	5	SAMPLE	S96T000614	0		EST.G/ML	SOLID	N/A	0		g/mL
96000085	U-107	6	SAMPLE	S96T000614	0		EXTRUD01	SOLID	N/A	complete		
96000085	U-107	7	SAMPLE	S96T000614	0		LLIQWT01	SOLID	N/A	<10		g
96000085	U-107	8	SAMPLE	S96T000614	0		NOTEBOOK	SOLID	N/A	N-1004		
96000085	U-107	9	SAMPLE	S96T000614	0		SLDVOL01	SOLID	N/A	NA		mL
96000085	U-107	10	SAMPLE	S96T000614	0		SLDWT-01	SOLID	N/A	374.0		g
96000085	U-107	11	SAMPLE	S96T000614	0		APPEAR01	SOLID	N/A	complete		
96000085	U-107	12	SAMPLE	S96T000614	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 5654

[signature] 2-16-96
Analyst Signature **Date**

Bertram D. Griffin II
2-20-96

✓

[signature] 2-16-96
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# 5655

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

Method: LO-160-103 Rev/Mod B-0

Worklist Comment: U-107 C129 SEG # 1R RISER 9 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	500.00	N/A	
96000085	U-107	3	SAMPLE	S96T000611	0		DLIQVOL1	SOLID	N/A	0		mL
96000085	U-107	4	SAMPLE	S96T000611	0		DLIQWT01	SOLID	N/A	0		g
96000085	U-107	5	SAMPLE	S96T000611	0		EST.G/ML	SOLID	N/A	0		g/mL
96000085	U-107	6	SAMPLE	S96T000611	0		EXTRUD01	SOLID	N/A	complete		
96000085	U-107	7	SAMPLE	S96T000611	0		LLIQWT01	SOLID	N/A	0		g
96000085	U-107	8	SAMPLE	S96T000611	0		NOTEBOOK	SOLID	N/A	N-1004		
96000085	U-107	9	SAMPLE	S96T000611	0		SLDVOL01	SOLID	N/A	NA		mL
96000085	U-107	10	SAMPLE	S96T000611	0		SLDWT-01	SOLID	N/A	0		g
96000085	U-107	11	SAMPLE	S96T000611	0		APPEAR01	SOLID	N/A	complete		
96000085	U-107	12	SAMPLE	S96T000611	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 5655

[signature] 2-16-96 ✓ [signature] 2-16-96

Analyst Signature **Date** **Analyst Signature** **Date**

Bertrand Griffin II
2-20-96

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# 5656

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

Method: LO-160-103 Rev/Mod D-0

Worklist Comment: U-107 C129 SEG # 2R RISER 9 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	500.01	N/A	
96000085	U-107	3	SAMPLE	S96T000613	0		DLIQVOL1	SOLID	N/A	0		mL
96000085	U-107	4	SAMPLE	S96T000613	0		DLIQWT01	SOLID	N/A	0		g
96000085	U-107	5	SAMPLE	S96T000613	0		EST.G/ML	SOLID	N/A	0		g/mL
96000085	U-107	6	SAMPLE	S96T000613	0		EXTRUD01	SOLID	N/A	Complete		
96000085	U-107	7	SAMPLE	S96T000613	0		LLIQWT01	SOLID	N/A	0		g
96000085	U-107	8	SAMPLE	S96T000613	0		NOTEBOOK	SOLID	N/A	N-1004		
96000085	U-107	9	SAMPLE	S96T000613	0		SLDVOL01	SOLID	N/A	NA		mL
96000085	U-107	10	SAMPLE	S96T000613	0		SLDWT-01	SOLID	N/A	0		g
96000085	U-107	11	SAMPLE	S96T000613	0		APPEAR01	SOLID	N/A	complete		
96000085	U-107	12	SAMPLE	S96T000613	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 5656

EC 2-16-96 ✓ EC 2-16-96

Analyst Signature **Date** **Analyst Signature** **Date**

Bertram D. Griffin II
2-20-96

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# 5800

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

Method: LO-160-103 Rev/Mod B-0

Worklist Comment: U-107 C129 SEG # 3R RISER 9 EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	20.00	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	500.01	N/A	
96000085	U-107	3	SAMPLE	S96T000694	0		DLIQVOL1	SOLID	N/A	0		mL
96000085	U-107	4	SAMPLE	S96T000694	0		DLIQWT01	SOLID	N/A	0		g
96000085	U-107	5	SAMPLE	S96T000694	0		EST.G/ML	SOLID	N/A	0		g/mL
96000085	U-107	6	SAMPLE	S96T000694	0		EXTRUD01	SOLID	N/A	complete		
96000085	U-107	7	SAMPLE	S96T000694	0		LLIQWT01	SOLID	N/A	<5		g
96000085	U-107	8	SAMPLE	S96T000694	0		NOTEBOOK	SOLID	N/A	N-1004		
96000085	U-107	9	SAMPLE	S96T000694	0		SLDVOL01	SOLID	N/A	NA		mL
96000085	U-107	10	SAMPLE	S96T000694	0		SLDWT-01	SOLID	N/A	163.2		g
96000085	U-107	11	SAMPLE	S96T000694	0		APPEAR01	SOLID	N/A	complete		
96000085	U-107	12	SAMPLE	S96T000694	0		ORGVO_01	SOLID	N/A	0		mL

Final page for worklist # 5800

EE 2-20-96
Analyst Signature **Date**
Bertrand Duffy II
2-20-96

✓

EE 2-20-96
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# 5854

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

Method: LO-160-103 Rev/Mod B-0

Worklist Comment: U-107 C134 SEG # 1 RISER 7 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	500.01	N/A	
96000085	U-107	3	SAMPLE	S96T000775	0		DLIQVOL1	SOLID	N/A	6		mL
96000085	U-107	4	SAMPLE	S96T000775	0		DLIQWT01	SOLID	N/A	0		g
96000085	U-107	5	SAMPLE	S96T000775	0		EST.G/ML	SOLID	N/A	0		g/mL
96000085	U-107	6	SAMPLE	S96T000775	0		EXTRUD01	SOLID	N/A	complete		
96000085	U-107	7	SAMPLE	S96T000775	0		LLIQWT01	SOLID	N/A	0		g
96000085	U-107	8	SAMPLE	S96T000775	0		NOTEBOOK	SOLID	N/A	N-1604		
96000085	U-107	9	SAMPLE	S96T000775	0		SLDVOL01	SOLID	N/A	NA		mL
96000085	U-107	10	SAMPLE	S96T000775	0		SLDWT-01	SOLID	N/A	0		g
96000085	U-107	11	SAMPLE	S96T000775	0		APPEAR01	SOLID	N/A	complete		
96000085	U-107	12	SAMPLE	S96T000775	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 5854

[signature] 2-26-96
Analyst Signature **Date**

[signature] 2-26-96
Analyst Signature **Date**

Reviewed by [signature] 2-27-96

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.

worklistrpt Version 2.1 05/15/95
02/23/96 13:33

LABCORE Data Entry Template for Worklist# 5857

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

Method: LO-160-103 Rev/Mod B-0

Worklist Comment: U-107 C134 SEG # 2 RISER 7 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	500.01	N/A	
96000085	U-107	3	SAMPLE	S96T000778	0		DLIQVOL1	SOLID	N/A	0		mL
96000085	U-107	4	SAMPLE	S96T000778	0		DLIQWT01	SOLID	N/A	0		g
96000085	U-107	5	SAMPLE	S96T000778	0		EST.G/ML	SOLID	N/A	0		g/mL
96000085	U-107	6	SAMPLE	S96T000778	0		EXTRUD01	SOLID	N/A	complete		
96000085	U-107	7	SAMPLE	S96T000778	0		LLIQWT01	SOLID	N/A	<5		g
96000085	U-107	8	SAMPLE	S96T000778	0		NOTEBOOK	SOLID	N/A	N-1004		
96000085	U-107	9	SAMPLE	S96T000778	0		SLDVOL01	SOLID	N/A	NA		mL
96000085	U-107	10	SAMPLE	S96T000778	0		SLDWT-01	SOLID	N/A	249.2		g
96000085	U-107	11	SAMPLE	S96T000778	0		APPEAR01	SOLID	N/A	complete		
96000085	U-107	12	SAMPLE	S96T000778	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 5857

2-26-96
Analyst Signature **Date**

2-26-96
Analyst Signature **Date**

Reviewed by 2-27-96

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.

worklistrpt Version 2.1 05/15/95
02/23/96 13:40

LABCORE Data Entry Template for Worklist# 5861

Analyst: CC **Instrument:** BA000 **Book #** NA

Method: LO-160-103 Rev/Mod BDII 6-4-96 0

Worklist Comment: U-107 C134 SEG # 4 RISER 7 EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	20.00	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	500.00	N/A	
96000085	U-107	3	SAMPLE	S96T000781	0		DLIQVOL1	SOLID	N/A	0		mL
96000085	U-107	4	SAMPLE	S96T000781	0		DLIQWT01	SOLID	N/A	0		g
96000085	U-107	5	SAMPLE	S96T000781	0		EST.G/ML	SOLID	N/A	0		g/mL
96000085	U-107	6	SAMPLE	S96T000781	0		EXTRUD01	SOLID	N/A	complete		
96000085	U-107	7	SAMPLE	S96T000781	0		LLIQWT01	SOLID	N/A	0		g
96000085	U-107	8	SAMPLE	S96T000781	0		NOTEBOOK	SOLID	N/A	N-1004		
96000085	U-107	9	SAMPLE	S96T000781	0		SLDVOL01	SOLID	N/A	NA		mL
96000085	U-107	10	SAMPLE	S96T000781	0		SLDWT-01	SOLID	N/A	359.0		g
96000085	U-107	11	SAMPLE	S96T000781	0		APPEAR01	SOLID	N/A	complete		
96000085	U-107	12	SAMPLE	S96T000781	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 5861

CC 2-27-96
Analyst Signature **Date**

CC 2-27-96
Analyst Signature **Date**

Reviewed by Barbara Jeffries 2-28-96

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# 5863

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

Method: LO-160-103 Rev/Mod B-0

Worklist Comment: U-107 C134 SEG # 5 RISER 7 EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	20.01	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	500.00	N/A	
96000085	U-107	3	SAMPLE	S96T000782	0		DLIQVOL1	SOLID	N/A	0		mL
96000085	U-107	4	SAMPLE	S96T000782	0		DLIQWT01	SOLID	N/A	0		g
96000085	U-107	5	SAMPLE	S96T000782	0		EST.G/ML	SOLID	N/A	0		g/mL
96000085	U-107	6	SAMPLE	S96T000782	0		EXTRUD01	SOLID	N/A	complete		
96000085	U-107	7	SAMPLE	S96T000782	0		LLIQWT01	SOLID	N/A	<10		g
96000085	U-107	8	SAMPLE	S96T000782	0		NOTEBOOK	SOLID	N/A	N-1004		
96000085	U-107	9	SAMPLE	S96T000782	0		SLDVOL01	SOLID	N/A	NA		mL
96000085	U-107	10	SAMPLE	S96T000782	0		SLDWT-01	SOLID	N/A	109.5		g
96000085	U-107	11	SAMPLE	S96T000782	0		APPEAR01	SOLID	N/A	complete		
96000085	U-107	12	SAMPLE	S96T000782	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 5863

EC 2-27-96
Analyst Signature **Date**

EC 2-27-96
Analyst Signature **Date**

Reviewed by
Beatrice Griffith
2-22-96

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# 5865

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

Method: LO-160-103 Rev/Mod B-0

Worklist Comment: U-107 C134 SEG # 5A RISER 7 EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	20.00	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	500.00	N/A	
96000085	U-107	3	SAMPLE	S96T000783	0		DLIQVOL1	SOLID	N/A	0		mL
96000085	U-107	4	SAMPLE	S96T000783	0		DLIQWT01	SOLID	N/A	0		g
96000085	U-107	5	SAMPLE	S96T000783	0		EST.G/ML	SOLID	N/A	0		g/mL
96000085	U-107	6	SAMPLE	S96T000783	0		EXTRUD01	SOLID	N/A	complete		
96000085	U-107	7	SAMPLE	S96T000783	0		LLIQWT01	SOLID	N/A	~~50~~ 32.8		g
96000085	U-107	8	SAMPLE	S96T000783	0		NOTEBOOK	SOLID	N/A	N-1004		
96000085	U-107	9	SAMPLE	S96T000783	0		SLDVOL01	SOLID	N/A	NA		mL
96000085	U-107	10	SAMPLE	S96T000783	0		SLDWT-01	SOLID	N/A	19.4		g
96000085	U-107	11	SAMPLE	S96T000783	0		APPEAR01	SOLID	N/A	complete		
96000085	U-107	12	SAMPLE	S96T000783	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 5865

[signature] 2-28-96
Analyst Signature **Date**

[signature] 2-28-96
Analyst Signature **Date**

Reviewed by
[signature] II
2-28-96

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# 5866

Analyst: CC **Instrument:** BA000 **Book #** NA

Method: LO-160-103 Rev/Mod ~~B~~ B-0 6-4-96

Worklist Comment: U-107 C134 SEG # 5B RISER 7 EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	20.00	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	500.01	N/A	
96000126	U-107	3	SAMPLE	S96T000784	0		DLIQVOL1	SOLID	N/A	70		mL
96000126	U-107	4	SAMPLE	S96T000784	0		DLIQWT01	SOLID	N/A	106.3		g
96000126	U-107	5	SAMPLE	S96T000784	0		EST.G/ML	SOLID	N/A	1.51		g/mL
96000126	U-107	6	SAMPLE	S96T000784	0		EXTRUD01	SOLID	N/A	complete		
96000126	U-107	7	SAMPLE	S96T000784	0		LLIQWT01	SOLID	N/A	<5		g
96000126	U-107	8	SAMPLE	S96T000784	0		NOTEBOOK	SOLID	N/A	N-1004		
96000126	U-107	9	SAMPLE	S96T000784	0		SLDVOL01	SOLID	N/A	NA		mL
96000126	U-107	10	SAMPLE	S96T000784	0		SLDWT-01	SOLID	N/A	0		g
96000126	U-107	11	SAMPLE	S96T000784	0		APPEAR01	SOLID	N/A	complete		
96000126	U-107	12	SAMPLE	S96T000784	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 5866

2-28-96
Analyst Signature **Date**

2-28-96
Analyst Signature **Date**

Reviewed by
Bertram Baffi II
2-28-96

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# 5867

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

Method: LO-160-103 Rev/Mod B-0

Worklist Comment: U-107 C134 SEG # 6 RISER 7 EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	20.01	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	500.01	N/A	
96000126	U-107	3	SAMPLE	S96T000785	0		DLIQVOL1	SOLID	N/A	0		mL
96000126	U-107	4	SAMPLE	S96T000785	0		DLIQWT01	SOLID	N/A	0		g
96000126	U-107	5	SAMPLE	S96T000785	0		EST.G/ML	SOLID	N/A	0		g/mL
96000126	U-107	6	SAMPLE	S96T000785	0		EXTRUD01	SOLID	N/A	complete		
96000126	U-107	7	SAMPLE	S96T000785	0		LLIQWT01	SOLID	N/A	<5		g
96000126	U-107	8	SAMPLE	S96T000785	0		NOTEBOOK	SOLID	N/A	N-1004		
96000126	U-107	9	SAMPLE	S96T000785	0		SLDVOL01	SOLID	N/A	NA		mL
96000126	U-107	10	SAMPLE	S96T000785	0		SLDWT-01	SOLID	N/A	0		g
96000126	U-107	11	SAMPLE	S96T000785	0		APPEAR01	SOLID	N/A	complete		
96000126	U-107	12	SAMPLE	S96T000785	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 5867

EC 2-28-96
Analyst Signature **Date**

EC 2-28-96
Analyst Signature **Date**

Reviewed by
Bertrand Griffin II
2-28-96

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# 6049

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

Method: LO-160-103 Rev/Mod B-0

Worklist Comment: U-107 C134 SEG # 6A RISER 7 EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	20.00	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	500.01	N/A	
96000126	U-107	3	SAMPLE	S96T000924	0		DLIQVOL1	SOLID	N/A	70		mL
96000126	U-107	4	SAMPLE	S96T000924	0		DLIQWT01	SOLID	N/A	89.6		g
96000126	U-107	5	SAMPLE	S96T000924	0		EST.G/ML	SOLID	N/A	1.28		g/mL
96000126	U-107	6	SAMPLE	S96T000924	0		EXTRUD01	SOLID	N/A	complete		
96000126	U-107	7	SAMPLE	S96T000924	0		LLIQWT01	SOLID	N/A	16.8		g
96000126	U-107	8	SAMPLE	S96T000924	0		NOTEBOOK	SOLID	N/A	N-1004		
96000126	U-107	9	SAMPLE	S96T000924	0		SLDVOL01	SOLID	N/A	NA		mL
96000126	U-107	10	SAMPLE	S96T000924	0		SLDWT-01	SOLID	N/A	29.3		g
96000126	U-107	11	SAMPLE	S96T000924	0		APPEAR01	SOLID	N/A	complete		
96000126	U-107	12	SAMPLE	S96T000924	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 6049

[signature] 3-4-96
Analyst Signature **Date**

[signature] 3-4-96
Analyst Signature **Date**

Reviewed by
Bertha [signature] II
3-4-96

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# 7293

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

Method: LO-160-103 Rev/Mod BO

Worklist Comment: U-107 C135 SEG # 1 RISER 2 EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	20.00	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	500.03	N/A	
96000422	U-107	3	SAMPLE	S96T001667	0		DLIQVOL1	SOLID	N/A	50		mL
96000422	U-107	4	SAMPLE	S96T001667	0		DLIQWT01	SOLID	N/A	94.1		g
96000422	U-107	5	SAMPLE	S96T001667	0		EST.G/ML	SOLID	N/A	1.88		g/mL
96000422	U-107	6	SAMPLE	S96T001667	0		EXTRUD01	SOLID	N/A	complete		
96000422	U-107	7	SAMPLE	S96T001667	0		LLIQWT01	SOLID	N/A	0		g
96000422	U-107	8	SAMPLE	S96T001667	0		NOTEBOOK	SOLID	N/A	N-1004		
96000422	U-107	9	SAMPLE	S96T001667	0		SLDVOL01	SOLID	N/A	NA		mL
96000422	U-107	10	SAMPLE	S96T001667	0		SLDWT-01	SOLID	N/A	1.4		g
96000422	U-107	11	SAMPLE	S96T001667	0		APPEAR01	SOLID	N/A	complete		
96000422	U-107	12	SAMPLE	S96T001667	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 7293

[signature] 4-18-96
Analyst Signature **Date**

[signature] 4-18-96
Analyst Signature **Date**

[signature] VI
4-18-96

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# 7296

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

Method: LO-160-103 Rev/Mod BO

Worklist Comment: U-107 C135 SEG # 1R RISER 2 EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	20.00	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	500.03	N/A	
96000422	U-107	3	SAMPLE	S96T001668	0		DLIQVOL1	SOLID	N/A	250		mL
96000422	U-107	4	SAMPLE	S96T001668	0		DLIQWT01	SOLID	N/A	342.6		g
96000422	U-107	5	SAMPLE	S96T001668	0		EST.G/ML	SOLID	N/A	1.37		g/mL
96000422	U-107	6	SAMPLE	S96T001668	0		EXTRUD01	SOLID	N/A	complete		
96000422	U-107	7	SAMPLE	S96T001668	0		LLIQWT01	SOLID	N/A	0		g
96000422	U-107	8	SAMPLE	S96T001668	0		NOTEBOOK	SOLID	N/A	N-1004		
96000422	U-107	9	SAMPLE	S96T001668	0		SLDVOL01	SOLID	N/A	NA		mL
96000422	U-107	10	SAMPLE	S96T001668	0		SLDWT-01	SOLID	N/A	4.0		g
96000422	U-107	11	SAMPLE	S96T001668	0		APPEAR01	SOLID	N/A	complete		
96000422	U-107	12	SAMPLE	S96T001668	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 7296

[signature] 4-28-96
Analyst Signature **Date**

[signature] 4-28-96
Analyst Signature **Date**

Bertrand Duffin II
4-18-96

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# 7297

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

Method: LO-160-103 Rev/Mod BO

Worklist Comment: U-107 C135 SEG # 2 RISER 2 EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	20.00	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	500.00	N/A	
96000422	U-107	3	SAMPLE	S96T001669	0		DLIQVOL1	SOLID	N/A	0		mL
96000422	U-107	4	SAMPLE	S96T001669	0		DLIQWT01	SOLID	N/A	0		g
96000422	U-107	5	SAMPLE	S96T001669	0		EST.G/ML	SOLID	N/A	0		g/mL
96000422	U-107	6	SAMPLE	S96T001669	0		EXTRUD01	SOLID	N/A	complete		
96000422	U-107	7	SAMPLE	S96T001669	0		LLIQWT01	SOLID	N/A	30.1		g
96000422	U-107	8	SAMPLE	S96T001669	0		NOTEBOOK	SOLID	N/A	N-1004		
96000422	U-107	9	SAMPLE	S96T001669	0		SLDVOL01	SOLID	N/A	NA		mL
96000422	U-107	10	SAMPLE	S96T001669	0		SLDWT-01	SOLID	N/A	2.6		g
96000422	U-107	11	SAMPLE	S96T001669	0		APPEAR01	SOLID	N/A	complete		
96000422	U-107	12	SAMPLE	S96T001669	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 7297

[signature] 4-9-96
Analyst Signature **Date**

Bertrand Giffin II
4-9-96

[signature] 4-9-96
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# 7299

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

Method: LO-160-103 Rev/Mod BO

Worklist Comment: U-107 C135 SEG # 2A RISER 2 EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	20.00	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	500.03	N/A	
96000422	U-107	3	SAMPLE	S96T001670	0		DLIQVOL1	SOLID	N/A	25		mL
96000422	U-107	4	SAMPLE	S96T001670	0		DLIQWT01	SOLID	N/A	41.5		g
96000422	U-107	5	SAMPLE	S96T001670	0		EST.G/ML	SOLID	N/A	1.66		g/mL
96000422	U-107	6	SAMPLE	S96T001670	0		EXTRUD01	SOLID	N/A	complete		
96000422	U-107	7	SAMPLE	S96T001670	0		LLIQWT01	SOLID	N/A	0		g
96000422	U-107	8	SAMPLE	S96T001670	0		NOTEBOOK	SOLID	N/A	N-1004		
96000422	U-107	9	SAMPLE	S96T001670	0		SLDVOL01	SOLID	N/A	NA		mL
96000422	U-107	10	SAMPLE	S96T001670	0		SLDWT-01	SOLID	N/A	58.7		g
96000422	U-107	11	SAMPLE	S96T001670	0		APPEAR01	SOLID	N/A	complete		
96000422	U-107	12	SAMPLE	S96T001670	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 7299

EL 4/18/96
Analyst Signature **Date**
Bernard Griffin II
4-18-96

EL 4/18/96
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# 7308

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

Method: LO-160-103 Rev/Mod BO

Worklist Comment: U-107 C135 SEG # 2R RISER 2 EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	20.01	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	500.01	N/A	
96000422	U-107	3	SAMPLE	S96T001692	0		DLIQVOL1	SOLID	N/A	0		mL
96000422	U-107	4	SAMPLE	S96T001692	0		DLIQWT01	SOLID	N/A	0		g
96000422	U-107	5	SAMPLE	S96T001692	0		EST.G/ML	SOLID	N/A	0		g/mL
96000422	U-107	6	SAMPLE	S96T001692	0		EXTRUD01	SOLID	N/A	Complete		
96000422	U-107	7	SAMPLE	S96T001692	0		LLIQWT01	SOLID	N/A	0		g
96000422	U-107	8	SAMPLE	S96T001692	0		NOTEBOOK	SOLID	N/A	N-1004		
96000422	U-107	9	SAMPLE	S96T001692	0		SLDVOL01	SOLID	N/A	NA		mL
96000422	U-107	10	SAMPLE	S96T001692	0		SLDWT-01	SOLID	N/A	227.6		g
96000422	U-107	11	SAMPLE	S96T001692	0		APPEAR01	SOLID	N/A	Complete		
96000422	U-107	12	SAMPLE	S96T001692	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 7308

[signature] 4-9-96
Analyst Signature **Date**
Bertrand Giffin II
4-9-96

[signature] 4-9-96
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# 6276

Analyst: [illegible] **Instrument:** NONE _____ **Book #** _____

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

Worklist Comment: TK#U-107,CORE 129, SEG 1DL,2DL,(DRAINABLE LIQUID)

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
96000085	U-107	1 SAMPLE	S96T000665	0		FILTER02	LIQUID	N/A	COMPLETE		
96000085	U-107	2 SAMPLE	S96T000665	0		DOSE-02	LIQUID	N/A	1450		mrad/hour
96000085	U-107	3 SAMPLE	S96T000682	0		FILTER02	LIQUID	N/A	COMPLETE		
96000085	U-107	4 SAMPLE	S96T000682	0		DOSE-02	LIQUID	N/A	400		mrad/hour

Final page for worklist # 6276

[illegible] 3-13-96
Analyst Signature **Date**

[illegible] 3/14/96
Analyst Signature **Date**

S96T000637 → S96T000665
641 → 682

Reviewed by RK Fuller 3/18/96

Data Entry Comments: HPT is Judy Morales

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.

worklistrpt Version 2.1 05/15/95
03/07/96 10:17

LABCORE Data Entry Template for Worklist# 6277

Analyst: JAM **Instrument:** NONE _____ **Book #** _____

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

Worklist Comment: TK#U-107,CORE C134,SEG 5A LL,5B DL,6A LL,6A DL, FILTERO2 RTS

GROUP	PROJECT	S TYPE	SAMPLE#	R A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
96000126	U-107	1 SAMPLE	S96T001110	0	FILTER02	LIQUID	N/A	DONE		
96000126	U-107	2 SAMPLE	S96T001110	0	DOSE-02	LIQUID	N/A	15		mrad/hour
96000126	U-107	3 SAMPLE	S96T001119	0	FILTER02	LIQUID	N/A	DONE		
96000126	U-107	4 SAMPLE	S96T001119	0	DOSE-02	LIQUID	N/A	1750		mrad/hour
96000126	U-107	5 SAMPLE	S96T001120	0	FILTER02	LIQUID	N/A	DONE		
96000126	U-107	6 SAMPLE	S96T001120	0	DOSE-02	LIQUID	N/A	100		mrad/hour
96000126	U-107	7 SAMPLE	S96T001121	0	FILTER02	LIQUID	N/A	DONE		
96000126	U-107	8 SAMPLE	S96T001121	0	DOSE-02	LIQUID	N/A	115		mrad/hour

Final page for worklist # 6277

JAMurphy 4-10-96
Analyst Signature **Date**

Keith Fuller 4/10/96
Analyst Signature **Date**

596T000 1106 → 596T0001110 (4)
1107 → 1119 (14)
1108 → 1120 (4)
1109 → 1121 (4) RKFuller

Reviewed by RK Fuller 4/10/96

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# 8846

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

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

Worklist Comment: U-107 C135 SEG.2 FILTER02 SKB

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
96000422	U-107	1 SAMPLE	S96T001866	0		FILTER02	LIQUID	N/A	complete		
96000422	U-107	2 SAMPLE	S96T001866	0		DOSE-02	LIQUID	N/A	25		mrad/hour

Final page for worklist # 8846

JAMurphy 5-17-96
Analyst Signature **Date**

Susan Bu 5/17/96
Analyst Signature **Date**

S96T001865 → S96T001866

Data Entry Comments:

Reviewed by RK Field 5/17/96

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

THIS PAGE WAS INTENTIONALLY LEFT BLANK

LABCORE Data Entry Template for Worklist# 5882

Analyst: JAM **Instrument:** FUS01 SN06355 **Book #** _____

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

Worklist Comment: U-107 Core 129 Seg 1sc,2U,2L Fusion Digestion 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
96000085	U-107	2 SAMPLE	S96T000684	0 F	FUSION01	SOLID	N/A	1.8776		g/L
		.4694g → .250l								
96000085	U-107	3 SAMPLE	S96T000684	0	DOSE-02	SOLID	N/A	4		mrad/hour
96000085	U-107	4 DUP	S96T000684	0 F	FUSION01	SOLID	1.8776	1.9380	N/A	g/L
		.4845g → .250l								
96000085	U-107	5 DUP	S96T000684	0	DOSE-02	SOLID	4	5	N/A	mrad/hour
96000085	U-107	6 SAMPLE	S96T000686	0 F	FUSION01	SOLID	N/A	1.9664		g/L
		.4916g → .250l								
96000085	U-107	7 SAMPLE	S96T000686	0	DOSE-02	SOLID	N/A	10		mrad/hour
96000085	U-107	8 DUP	S96T000686	0 F	FUSION01	SOLID	1.9664	2.1512	N/A	g/L
		.5378g → .250l								
96000085	U-107	9 DUP	S96T000686	0	DOSE-02	SOLID	10	10	N/A	mrad/hour
96000085	U-107	10 SAMPLE	S96T000687	0 F	FUSION01	SOLID	N/A	1.8816		g/L
		.4704g → .250l								
96000085	U-107	11 SAMPLE	S96T000687	0	DOSE-02	SOLID	N/A	5		mrad/hour
96000085	U-107	12 DUP	S96T000687	0 F	FUSION01	SOLID	1.8816	2.0716	N/A	g/L
		.5179g → .250l								
96000085	U-107	13 DUP	S96T000687	0	DOSE-02	SOLID	5	6	N/A	mrad/hour

Final page for worklist # 5882

JAMurphy 3-5-96
Analyst Signature **Date**

[illegible] 3/6/96
Analyst Signature **Date**

S96T000683 → 684
644 → 686
647 → 687.

Reviewed by RK Fuller 3/6/96

Data Entry Comments: 40ml HNO3 <1% solids - All samples & QC
HPT was Scott Corbally

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.

worklistrpt Version 2.1 05/15/95
02/25/96 15:56

LABCORE Data Entry Template for Worklist# 5883

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

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

Worklist Comment: U-107 Core 129 Seg 3U,3L Fusion Digestion 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
96000085	U-107	2 SAMPLE	S96T000688	0 F	FUSION01	SOLID	N/A	1.9532		g/L
		.4883g → .250l								
96000085	U-107	3 SAMPLE	S96T000688	0	DOSE-02	SOLID	N/A	4.5		mrad/hour
96000085	U-107	4 DUP	S96T000688	0 F	FUSION01	SOLID	1.9532	1.8716	N/A	g/L
		.4679g → .250l								
96000085	U-107	5 DUP	S96T000688	0	DOSE-02	SOLID	4.5	4	N/A	mrad/hour
96000085	U-107	6 SAMPLE	S96T000689	0 F	FUSION01	SOLID	N/A	1.9072		g/L
		.4768g → .250l								
96000085	U-107	7 SAMPLE	S96T000689	0	DOSE-02	SOLID	N/A	3.5		mrad/hour
96000085	U-107	8 DUP	S96T000689	0 F	FUSION01	SOLID	1.9072	1.9752	N/A	g/L
		.4938g → .250l								
96000085	U-107	9 DUP	S96T000689	0	DOSE-02	SOLID	3.5	3.5	N/A	mrad/hour

Final page for worklist # 5883

[illegible] Murphy
Analyst Signature **Date**

[illegible] 3-6-96
Analyst Signature **Date**

650 → 688
653 → 689

Reviewed by RK Fuller 3/6/96

Data Entry Comments: 40ml HNO3, <190 acids - All samples & QC
HP7 - Scott Corbally

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.

worklistrpt Version 2.1 05/15/95
03/12/96 14:22

LABCORE Data Entry Template for Worklist# 6417

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

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

Worklist Comment: TK#U-107,CORE 134,GRP# 126,SEG 2,3,4L, FUSION RTS!

GROUP	PROJECT	S TYPE	SAMPLE#	R A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 BLNK-PREP			FUSION01	SOLID	1	.250	N/A	g/L
96000126	U-107	2 SAMPLE	S96T001089	0 F	FUSION01	SOLID	N/A	1.6932		g/L
		0.4233g → .250l								
96000126	U-107	3 SAMPLE	S96T001089	0	DOSE-02	SOLID	N/A	4		mrad/hour
96000126	U-107	4 DUP	S96T001089	0 F	FUSION01	SOLID	1.6932	1.8636	N/A	g/L
		0.4659g → .250l								
96000126	U-107	5 DUP	S96T001089	0	DOSE-02	SOLID	4	5	N/A	mrad/hour
96000126	U-107	6 SAMPLE	S96T001090	0 F	FUSION01	SOLID	N/A	2.2932		g/L
		0.5733g → .250l								
96000126	U-107	7 SAMPLE	S96T001090	0	DOSE-02	SOLID	N/A	12		mrad/hour
96000126	U-107	8 DUP	S96T001090	0 F	FUSION01	SOLID	2.2932	2.2316	N/A	g/L
		0.5579g → .250l								
96000126	U-107	9 DUP	S96T001090	0	DOSE-02	SOLID	12	12	N/A	mrad/hour
96000126	U-107	10 SAMPLE	S96T001091	0 F	FUSION01	SOLID	N/A	1.7412		g/L
		0.4353g → .250l								
96000126	U-107	11 SAMPLE	S96T001091	0	DOSE-02	SOLID	N/A	25		mrad/hour
96000126	U-107	12 DUP	S96T001091	0 F	FUSION01	SOLID	1.7412	1.6344	N/A	g/L
		0.4086g → .250l								
96000126	U-107	13 DUP	S96T001091	0	DOSE-02	SOLID	25	25	N/A	mrad/hour

Final page for worklist # 6417

[illegible] 3-29-96
Analyst Signature **Date**

[illegible] 4/08/96
Analyst Signature **Date**

S96T001055 → S96T001089 ~~089~~ [illegible]
1056 → 1090
1057 → 1091

Reviewed by [illegible] 4/8/96

Data Entry Comments: All Samples & QC - 40ml HNO3, <1% solids
HPT - Scott Corbally

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# 6418

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

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

Worklist Comment: TK#U-107,CORE 134,GRP# 126,SEG 4A,4B,5B,FUSION RTS!

GROUP	PROJECT	S TYPE	SAMPLE#	R A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 BLNK-PREP			FUSION01	SOLID	1	.250	N/A	g/L
96000126	U-107	2 SAMPLE 0.4648g → .250l	S96T001092	0 F	FUSION01	SOLID	N/A	1.8592		g/L
96000126	U-107	3 SAMPLE	S96T001092	0	DOSE-02	SOLID	N/A	16		mrad/hour
96000126	U-107	4 DUP 0.4272 → .250l	S96T001092	0 F	FUSION01	SOLID	1.8592	1.7088	N/A	g/L
96000126	U-107	5 DUP	S96T001092	0	DOSE-02	SOLID	16	16	N/A	mrad/hour
96000126	U-107	6 SAMPLE 0.4431g → .250l	S96T001093	0 F	FUSION01	SOLID	N/A	1.7724		g/L
96000126	U-107	7 SAMPLE	S96T001093	0	DOSE-02	SOLID	N/A	17		mrad/hour
96000126	U-107	8 DUP 0.4660g → .250l	S96T001093	0 F	FUSION01	SOLID	1.7724	1.8640	N/A	g/L
96000126	U-107	9 DUP	S96T001093	0	DOSE-02	SOLID	17	19	N/A	mrad/hour
96000126	U-107	10 SAMPLE 0.4513g → .250l	S96T001094	0 F	FUSION01	SOLID	N/A	1.8052		g/L
96000126	U-107	11 SAMPLE	S96T001094	0	DOSE-02	SOLID	N/A	45		mrad/hour
96000126	U-107	12 DUP 0.4860g → .250l	S96T001094	0 F	FUSION01	SOLID	1.8052	1.9440	N/A	g/L
96000126	U-107	13 DUP	S96T001094	0	DOSE-02	SOLID	45	45	N/A	mrad/hour

Final page for worklist # 6418

[signature] 3-29-96
Analyst Signature **Date**

[signature] 4/08/96
Analyst Signature **Date**

S96T001064 → S96T001092
1065 → 1093
~~1058~~
1058 → 1094

Reviewed by RK Fuller 4/8/96

Data Entry Comments: All samples & QC - 40ml HNO_3, <1% solids
HPT Scott Corbally

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# 6419

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

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

Worklist Comment: TK#U-107,CORE 134,GRP# 126,SEG 5U,5A,6A,COMP FUSION RTS!

GROUP	PROJECT	S TYPE	SAMPLE#	R A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
.		1 BLNK-PREP			FUSION01	SOLID	1	.250	N/A	g/L
96000126	U-107	2 SAMPLE	S96T001095	0 F	FUSION01	SOLID	N/A	2.0600		g/L
		0.5150g → .250l								
96000126	U-107	3 SAMPLE	S96T001095	0	DOSE-02	SOLID	N/A	40		mrad/hour
96000126	U-107	4 DUP	S96T001095	0 F	FUSION01	SOLID	2.0600	1.8972	N/A	g/L
(rock)		0.4743 → .250l								
96000126	U-107	5 DUP	S96T001095	0	DOSE-02	SOLID	40	25	N/A	mrad/hour
96000126	U-107	6 SAMPLE	S96T001096	0 F	FUSION01	SOLID	N/A	1.7412		g/L
		0.4353g → .250l								
96000126	U-107	7 SAMPLE	S96T001096	0	DOSE-02	SOLID	N/A	15		mrad/hour
96000126	U-107	8 DUP	S96T001096	0 F	FUSION01	SOLID	1.7412	1.7487	N/A	g/L
		0.4371g → .250l								
96000126	U-107	9 DUP	S96T001096	0	DOSE-02	SOLID	15	15	N/A	mrad/hour
96000126	U-107	10 SAMPLE	S96T001097	0 F	FUSION01	SOLID	N/A	1.9564		g/L
		0.4891g → .250l								
96000126	U-107	11 SAMPLE	S96T001097	0	DOSE-02	SOLID	N/A	4		mrad/hour
96000126	U-107	12 DUP	S96T001097	0 F	FUSION01	SOLID	1.9564	2.0372	N/A	g/L
		0.5093g → .250l								
96000126	U-107	13 DUP	S96T001097	0	DOSE-02	SOLID	4	4	N/A	mrad/hour
96000126	U-107	14 SAMPLE	S96T001132	0 F	FUSION01	SOLID	N/A	1.9280		g/L
		0.4820g → .250l								
96000126	U-107	15 SAMPLE	S96T001132	0	DOSE-02	SOLID	N/A	15		mrad/hour
96000126	U-107	16 DUP	S96T001132	0 F	FUSION01	SOLID	1.9280	1.7196	N/A	g/L
		0.4299g → .250l								
96000126	U-107	17 DUP	S96T001132	0	DOSE-02	SOLID	15	15	N/A	mrad/hour

S96T001068 → S96T001095 (Granular, rocks, lumpy sludge)
1059 → 1096
1070 → 1097
1128 → 1132

Data Entry Comments:
Weighed on 3/27/96 RX Fuller
All Samples & QC - 40ml HNO_3, <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.

worklistrpt Version 2.1 05/15/95
03/12/96 14:29

LABCORE Data Entry Template for Worklist# 6419

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

Final page for worklist # 6419

Analyst Signature Date 3-29-96

Analyst Signature Date 4/08/96

Reviewed by RK Fuller 4/8/96

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# 6535

Analyst: [illegible] **Instrument:** FUS01 SN16555 **Book #** _____

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

Worklist Comment: TK#U-107,CORE 129, SEG 3R,COMP FUSION01 RTS!

GROUP	PROJECT	S TYPE	SAMPLE#	R A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 BLNK-PREP			FUSION01	SOLID	1	.250	N/A	g/L
96000085	U-107	2 SAMPLE	S96T001153	0 F	FUSION01	SOLID	N/A	2.2204		g/L
		0.5551g → .250l								
96000085	U-107	3 SAMPLE	S96T001153	0	DOSE-02	SOLID	N/A	6		mrad/hour
96000085	U-107	4 DUP	S96T001153	0 F	FUSION01	SOLID	2.2204	2.1140	N/A	g/L
		0.5285g → .250l								
96000085	U-107	5 DUP	S96T001153	0	DOSE-02	SOLID	6	5	N/A	mrad/hour
96000085	U-107	6 SAMPLE	S96T001162	0 F	FUSION01	SOLID	N/A	2.1712		g/L
		0.5428g → .250l								
96000085	U-107	7 SAMPLE	S96T001162	0	DOSE-02	SOLID	N/A	13		mrad/hour
96000085	U-107	8 DUP	S96T001162	0 F	FUSION01	SOLID	2.1712	2.1548	N/A	g/L
		0.5387g → .250l								
96000085	U-107	9 DUP	S96T001162	0	DOSE-02	SOLID	13	12	N/A	mrad/hour

Final page for worklist # 6535

[illegible] Murphy 3-29-96
Analyst Signature **Date**

Susan Bu 4/08/96
Analyst Signature **Date**

S96T001143 → S96T001153

S96T001159 → S96T001162

Reviewed by R K Fuller 4/8/96

Data Entry Comments: All samples & QC - 10 ml HNO3, <1% solids
HPT - Scott Corbally

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# 8092

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

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

Worklist Comment: U-107 C135 2RU QSA,2RU QSB,2A PUSH V FUSION01 SKB

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK-PREP				FUSION01	SOLID	1	.250	N/A	g/L
96000422	U-107	2	SAMPLE	S96T001879	0	F	FUSION01	SOLID	N/A	2.1728		g/L
			.5432g → .250l									
96000422	U-107	3	SAMPLE	S96T001879	0		DOSE-02	SOLID	N/A	5		mrad/hour
96000422	U-107	4	DUP	S96T001879	0	F	FUSION01	SOLID	2.1728	2.1028	N/A	g/L
			.5257g → .250l									
96000422	U-107	5	DUP	S96T001879	0		DOSE-02	SOLID	5	5	N/A	mrad/hour
96000422	U-107	6	SAMPLE	S96T001880	0	F	FUSION01	SOLID	N/A	2.2372		g/L
			.5593g → .250l									
96000422	U-107	7	SAMPLE	S96T001880	0		DOSE-02	SOLID	N/A	8		mrad/hour
96000422	U-107	8	DUP	S96T001880	0	F	FUSION01	SOLID	2.2372	2.1076	N/A	g/L
			.5296g → .250l									
96000422	U-107	9	DUP	S96T001880	0		DOSE-02	SOLID	8	10	N/A	mrad/hour
96000422	U-107	10	SAMPLE	S96T002136	0	F	FUSION01	SOLID	N/A	2.1176		g/L
			.5294g → .250l									
96000422	U-107	11	SAMPLE	S96T002136	0		DOSE-02	SOLID	N/A	15		mrad/hour
96000422	U-107	12	DUP	S96T002136	0	F	FUSION01	SOLID	2.1176	2.0240	N/A	g/L
			.5060g → .250l									
96000422	U-107	13	DUP	S96T002136	0		DOSE-02	SOLID	15	15	N/A	mrad/hour

Final page for worklist # 8092

[illegible] 5-13-96
Analyst Signature **Date**

Susan Bu 5/13/96
Analyst Signature **Date**

S96T001873 → S96T001879
1874 → 1880
2133 → 2136

Reviewed by RK Fuller 5/14/96

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# 8102

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

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

Worklist Comment: U-107 C135 2S,1U,1R FUSION01 SKB

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK-PREP				FUSION01	SOLID	1	.250	N/A	g/L
96000422	U-107	2	SAMPLE	S96T001868	0	F	FUSION01	SOLID	N/A	2.0604		g/L
				[illegible] → .250 l								
96000422	U-107	3	SAMPLE	S96T001868	0		DOSE-02	SOLID	N/A	40		mrad/hour
96000422	U-107	4	DUP	S96T001868	0	F	FUSION01	SOLID	2.0604	2.0784	N/A	g/L
				.5196 g → .250 l								
96000422	U-107	5	DUP	S96T001868	0		DOSE-02	SOLID	40	35	N/A	mrad/hour
96000422	U-107	6	SAMPLE	S96T002134	0	F	FUSION01	SOLID	N/A	1.2008		g/L
				[illegible] → .250 l								
96000422	U-107	7	SAMPLE	S96T002134	0		DOSE-02	SOLID	N/A	20		mrad/hour
96000422	U-107	8	DUP	S96T002134	0	F	FUSION01	SOLID	1.2008	1.1668	N/A	g/L
				.2917 g → .250 l								
96000422	U-107	9	DUP	S96T002134	0		DOSE-02	SOLID	20	20	N/A	mrad/hour
96000422	U-107	10	SAMPLE	S96T002135	0	F	FUSION01	SOLID	N/A	2.0604		g/L
				.5151 g → .250 l								
96000422	U-107	11	SAMPLE	S96T002135	0		DOSE-02	SOLID	N/A	15		mrad/hour
96000422	U-107	12	DUP	S96T002135	0	F	FUSION01	SOLID	2.0604	[illegible]	N/A	g/L
				.5135 g → .250 l								
96000422	U-107	13	DUP	S96T002135	0		DOSE-02	SOLID	15	15	N/A	mrad/hour

Final page for worklist # 8102

[illegible] 5-3-96
Analyst Signature **Date**

[illegible] 5/13/96
Analyst Signature **Date**

S96T001868 1867 [illegible] 5-3-96 → 1868
2131 → 2134
2132 → 2135

Reviewed by RK Fuller 5/14/96

Data Entry Comments:

S96T002131 - T.S. - Insufficient sample
40 mL con 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# 5885

Analyst: JAM **Instrument:** FUS01 SN16355 **Book #** _____

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

Worklist Comment: U-107 Core 129 Seg 2U,2L Water Digestion 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
96000085	U-107	2	SAMPLE	S96T000690	0	W	H2ODIG01	SOLID	N/A	5.1330		g/L
	.5133g → .100l											
96000085	U-107	3	SAMPLE	S96T000690	0		DOSE-02	SOLID	N/A	8		mrad/hour
96000085	U-107	4	DUP	S96T000690	0	W	H2ODIG01	SOLID	5.1530	4.7650	N/A	g/L
	.4765g → .100l											
96000085	U-107	5	DUP	S96T000690	0		DOSE-02	SOLID	8	7	N/A	mrad/hour
96000085	U-107	6	SAMPLE	S96T000691	0	W	H2ODIG01	SOLID	N/A	4.7640		g/L
	.4769g → .100l											
96000085	U-107	7	SAMPLE	S96T000691	0		DOSE-02	SOLID	N/A	5		mrad/hour
96000085	U-107	8	DUP	S96T000691	0	W	H2ODIG01	SOLID	4.7640	4.7210	N/A	g/L
	.4721g → .100l											
96000085	U-107	9	DUP	S96T000691	0		DOSE-02	SOLID	5	3.5	N/A	mrad/hour

Final page for worklist # 5885

JAMurphy 3-5-96
Analyst Signature **Date**

[illegible] 3/6/96
Analyst Signature **Date**

644 → 690
647 → 691

Reviewed by RK Falk
3/6/96

Data Entry Comments: HPT was Scott Corbally

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# 5886

Analyst: JAM **Instrument:** FUS01 SN16355 **Book #** _____

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

Worklist Comment: U-107 Core 129 Seg 3U,3L Water Digestion 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
96000085	U-107	2	SAMPLE	S96T000692	0	W	H2ODIG01	SOLID	N/A	5.4540		g/L
	.5454g → .100l											
96000085	U-107	3	SAMPLE	S96T000692	0		DOSE-02	SOLID	N/A	3.5		mrad/hour
96000085	U-107	4	DUP	S96T000692	0	W	H2ODIG01	SOLID	5.4540	5.3590	N/A	g/L
	.5359g → .100l											
96000085	U-107	5	DUP	S96T000692	0		DOSE-02	SOLID	3.5	4	N/A	mrad/hour
96000085	U-107	6	SAMPLE	S96T000693	0	W	H2ODIG01	SOLID	N/A	5.2500		g/L
	.5250g → .100l											
96000085	U-107	7	SAMPLE	S96T000693	0		DOSE-02	SOLID	N/A	3.5		mrad/hour
96000085	U-107	8	DUP	S96T000693	0	W	H2ODIG01	SOLID	5.2500	5.4300	N/A	g/L
	.5430g → .100l											
96000085	U-107	9	DUP	S96T000693	0		DOSE-02	SOLID	3.5	3.5	N/A	mrad/hour

Final page for worklist # 5886

JAMurphy 3-5-96
Analyst Signature **Date**

RKFulle 3/6/96
Analyst Signature **Date**

650 → 692
653 → 693

Reviewed by RK Fulle 3/6/96

Data Entry Comments: HPT was Scott Corbally

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.

worklistrpt Version 2.1 05/15/95
03/12/96 14:42

LABCORE Data Entry Template for Worklist# 6422

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

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

Worklist Comment: TK#U-107,CORE 134,GRP# 126,SEG 2,3, H2ODIG RTS!

GROUP	PROJECT	S TYPE	SAMPLE#	R A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 BLNK-PREP			H2ODIG01	SOLID	1	.100	N/A	g/L
96000126	U-107	2 SAMPLE	S96T001071	0 W	H2ODIG01	SOLID	N/A	5.4880		g/L
		0.5488g → .1000								
96000126	U-107	3 SAMPLE	S96T001071	0	DOSE-02	SOLID	N/A	10		mrad/hour
96000126	U-107	4 DUP	S96T001071	0 W	H2ODIG01	SOLID	5.4880	5.4980	N/A	g/L
		0.5498g → .1000								
96000126	U-107	5 DUP	S96T001071	0	DOSE-02	SOLID	10	7.5	N/A	mrad/hour
96000126	U-107	6 SAMPLE	S96T001072	0 W	H2ODIG01	SOLID	N/A	4.9050		g/L
		0.4905g → .1000								
96000126	U-107	7 SAMPLE	S96T001072	0	DOSE-02	SOLID	N/A	10		mrad/hour
96000126	U-107	8 DUP	S96T001072	0 W	H2ODIG01	SOLID	4.9050	4.7620	N/A	g/L
		0.4762g → .1000								
96000126	U-107	9 DUP	S96T001072	0	DOSE-02	SOLID	10	17.5	N/A	mrad/hour

Final page for worklist # 6422

OAMurphy 3-28-96
Analyst Signature **Date**

Susan Bee 4/08/96
Analyst Signature **Date**

S96T001055 → S96T001071
1056 → 1072

Reviewed by RK Fuller 4/8/96

Data Entry Comments: HPT- Scott Corbally

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# 6423

Analyst: CKM **Instrument:** ACD01 SN16375 **Book #** _____

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

Worklist Comment: TK#U-107,CORE 134,GRP# 126,SEG 4L,4A, H2ODIG RTS!

GROUP	PROJECT	S TYPE	SAMPLE#	R A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 BLNK-PREP			H2ODIG01	SOLID	1	.100	N/A	g/L
96000126	U-107	2 SAMPLE	S96T001073	0 W	H2ODIG01	SOLID	N/A	4.9210		g/L
		0.4921g → .1001								
96000126	U-107	3 SAMPLE	S96T001073	0	DOSE-02	SOLID	N/A	30		mrad/hour
96000126	U-107	4 DUP	S96T001073	0 W	H2ODIG01	SOLID	4.9210	4.5550	N/A	g/L
		0.4555g → .1001								
96000126	U-107	5 DUP	S96T001073	0	DOSE-02	SOLID	30	25	N/A	mrad/hour
96000126	U-107	6 SAMPLE	S96T001074	0 W	H2ODIG01	SOLID	N/A	5.4150		g/L
		0.5415g → .1001								
96000126	U-107	7 SAMPLE	S96T001074	0	DOSE-02	SOLID	N/A	25		mrad/hour
96000126	U-107	8 DUP	S96T001074	0 W	H2ODIG01	SOLID	5.4150	5.1860	N/A	g/L
		0.5186g → .1001								
96000126	U-107	9 DUP	S96T001074	0	DOSE-02	SOLID	25	25	N/A	mrad/hour

Final page for worklist # 6423

CKMurphy 3-29-96
Analyst Signature **Date**

Susan Bu 4/03/96
Analyst Signature **Date**

S96T001057 → S96T001073
1064 → 1074
RKFalk

Reviewed by RKFalk 4/8/96

Data Entry Comments: HPT- Scott Corbally

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# 6425

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

Method: LA-504-101 Rev/Mod 2-0

Worklist Comment: TK#U-107,CORE 134,GRP# 126,SEG 4B,5B, H2ODIG RTS!

GROUP	PROJECT	S TYPE	SAMPLE#	R A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 BLNK-PREP			H2ODIG01	SOLID	1	.100	N/A	g/L
96000126	U-107	2 SAMPLE	S96T001075	0 W	H2ODIG01	SOLID	N/A	4.5750		g/L
		0.4575g → .1001								
96000126	U-107	3 SAMPLE	S96T001075	0	DOSE-02	SOLID	N/A	25		mrad/hour
96000126	U-107	4 DUP	S96T001075	0 W	H2ODIG01	SOLID	4.5750	4.9170	N/A	g/L
		0.4917g → .1001								
96000126	U-107	5 DUP	S96T001075	0	DOSE-02	SOLID	25	25	N/A	mrad/hour
96000126	U-107	6 SAMPLE	S96T001076	0 W	H2ODIG01	SOLID	N/A	5.1680		g/L
		0.5168g → .1001								
96000126	U-107	7 SAMPLE	S96T001076	0	DOSE-02	SOLID	N/A	15		mrad/hour
96000126	U-107	8 DUP	S96T001076	0 W	H2ODIG01	SOLID	5.1680	4.9760	N/A	g/L
		0.4976g → .1001								
96000126	U-107	9 DUP	S96T001076	0	DOSE-02	SOLID	15	15	N/A	mrad/hour

Final page for worklist # 6425

[illegible] Murphy 3-28-96
Analyst Signature **Date**

Susan Bu 4/08/96
Analyst Signature **Date**

Reviewed by RK Fuller 4/8/96

S96T001065 → S96T001075
1058 → 1076
RKF

Data Entry Comments: HPT - Scott Corbally

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# 6426

Analyst: [signature] **Instrument:** ACD01 SN16355 **Book #** _____

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

Worklist Comment: TK#U-107,CORE 134,GRP# 126,SEG 5U,5A, H2ODIG RTS!

GROUP	PROJECT	S TYPE	SAMPLE#	R A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 BLNK-PREP			H2ODIG01	SOLID	1	.100	N/A	g/L
96000126	U-107	2 SAMPLE 0.5657g → .100l	S96T001077	0 W	H2ODIG01	SOLID	N/A	5.6570		g/L
96000126	U-107	3 SAMPLE	S96T001077	0	DOSE-02	SOLID	N/A	22.5		mrad/hour
96000126	U-107	4 DUP 0.5338g → .100l	S96T001077	0 W	H2ODIG01	SOLID	5.6570	5.3380	N/A	g/L
96000126	U-107	5 DUP	S96T001077	0	DOSE-02	SOLID	22.5	15	N/A	mrad/hour
96000126	U-107	6 SAMPLE 0.5834g → .100l	S96T001078	0 W	H2ODIG01	SOLID	N/A	5.8340		g/L
96000126	U-107	7 SAMPLE	S96T001078	0	DOSE-02	SOLID	N/A	15		mrad/hour
96000126	U-107	8 DUP 0.5661g → .100l	S96T001078	0 W	H2ODIG01	SOLID	5.8340	5.6610	N/A	g/L
96000126	U-107	9 DUP	S96T001078	0	DOSE-02	SOLID	15	15	N/A	mrad/hour

Final page for worklist # 6426

[signature] 3-29-96
Analyst Signature | **Date**

[signature]
Analyst Signature **Date**

S96T001068 → S96T001077 (Granular) rocks, lumps Sludge.
1059 → 1078
RKFulle

Reviewed by RKFulle
4/8/96

Data Entry Comments:
Weighed 3/27/96 RKFulle
HPT - Scott Corbally

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# 6427

Analyst: [illegible] **Instrument:** H2O01 SN46355 **Book #** _____

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

Worklist Comment: TK#U-107,CORE 134,GRP# 126,SEG 6A,COMP H2ODIG RTS!

GROUP	PROJECT	S TYPE	SAMPLE#	R A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 BLNK-PREP			H2ODIG01	SOLID	1	.100	N/A	g/L
96000126	U-107	2 SAMPLE	S96T001079	0 W	H2ODIG01	SOLID	N/A	4.7300		g/L
		0.4730g → .100l								
96000126	U-107	3 SAMPLE	S96T001079	0	DOSE-02	SOLID	N/A	10		mrad/hour
96000126	U-107	4 DUP	S96T001079	0 W	H2ODIG01	SOLID	4.7300	4.7730	N/A	g/L
		0.4773g → .100l								
96000126	U-107	5 DUP	S96T001079	0	DOSE-02	SOLID	10	5	N/A	mrad/hour
96000126	U-107	6 SAMPLE	S96T001129	0 W	H2ODIG01	SOLID	N/A	4.8350		g/L
		0.4835g → .100l								
96000126	U-107	7 SAMPLE	S96T001129	0	DOSE-02	SOLID	N/A	10		mrad/hour
96000126	U-107	8 DUP	S96T001129	0 W	H2ODIG01	SOLID	4.8350	4.7860	N/A	g/L
		0.4786g → .100l								
96000126	U-107	9 DUP	S96T001129	0	DOSE-02	SOLID	10	15	N/A	mrad/hour

Final page for worklist # 6427

[illegible] 3-29-96
Analyst Signature / **Date**

Susan Bu 4/08/96
Analyst Signature **Date**

S96T001070 → S96T001079 (Liquid - Sludge)
1128 → 1129
RHBrd

Reviewed by RK Fell
4/8/96

Data Entry Comments: HPT - Scott Corbally

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.

worklistrpt Version 2.1 05/15/95
03/26/96 10:31

LABCORE Data Entry Template for Worklist# 6537

Analyst: [signature] **Instrument:** H2O01 SN116359 **Book #** _____

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

Worklist Comment: TK#U-107,CORE 129,SEG 3R,COMP H2ODIG01 RTS!

GROUP	PROJECT	S TYPE	SAMPLE#	R A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 BLNK-PREP			H2ODIG01	SOLID	1	.100	N/A	g/L
96000085	U-107	2 SAMPLE	S96T001144	0 W	H2ODIG01	SOLID	N/A	5.5740		g/L
		0.5574g → .100l								
96000085	U-107	3 SAMPLE	S96T001144	0	DOSE-02	SOLID	N/A	10		mrad/hour
96000085	U-107	4 DUP	S96T001144	0 W	H2ODIG01	SOLID	5.5740	5.6900	N/A	g/L
		0.5690g → .100l								
96000085	U-107	5 DUP	S96T001144	0	DOSE-02	SOLID	10	10	N/A	mrad/hour
96000085	U-107	6 SAMPLE	S96T001160	0 W	H2ODIG01	SOLID	N/A	5.5750		g/L
		0.5575g → .100l								
96000085	U-107	7 SAMPLE	S96T001160	0	DOSE-02	SOLID	N/A	15		mrad/hour
96000085	U-107	8 DUP	S96T001160	0 W	H2ODIG01	SOLID	5.5750	5.2680	N/A	g/L
		0.5268g → .100l								
96000085	U-107	9 DUP	S96T001160	0	DOSE-02	SOLID	15	15	N/A	mrad/hour

Final page for worklist # 6537

[signature] 3-29-96
Analyst Signature **Date**

Susan Bu 4/08/96
Analyst Signature **Date**

S96T001143 → S96T001144
S96T001159 → S96T001160

Reviewed by R K Fuller 4/8/96

Data Entry Comments: HPT- Scott Corbally

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# 8104

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

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

Worklist Comment: U-107 C135 2RA,2RB,2A H2ODIG01 SKB

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK-PREP				H2ODIG01	SOLID	1	.100	N/A	g/L
96000422	U-107	2	SAMPLE	S96T001875	0	W	H2ODIG01	SOLID	N/A	5.4480		g/L
				.5448g → .1001								
96000422	U-107	3	SAMPLE	S96T001875	0		DOSE-02	SOLID	N/A	5		mrad/hour
96000422	U-107	4	DUP	S96T001875	0	W	H2ODIG01	SOLID	5.4480	5.2870	N/A	g/L
				.5287g → .1001								
96000422	U-107	5	DUP	S96T001875	0		DOSE-02	SOLID	5	5	N/A	mrad/hour
96000422	U-107	6	SAMPLE	S96T001876	0	W	H2ODIG01	SOLID	N/A	5.8530		g/L
				.5853g → .1001								
96000422	U-107	7	SAMPLE	S96T001876	0		DOSE-02	SOLID	N/A	5		mrad/hour
96000422	U-107	8	DUP	S96T001876	0	W	H2ODIG01	SOLID	5.8530	5.7610	N/A	g/L
				.5761g → .1001								
96000422	U-107	9	DUP	S96T001876	0		DOSE-02	SOLID	5	10	N/A	mrad/hour
96000422	U-107	10	SAMPLE	S96T002160	0	W	H2ODIG01	SOLID	N/A	5.4600		g/L
				.5460g → .1001								
96000422	U-107	11	SAMPLE	S96T002160	0		DOSE-02	SOLID	N/A	20		mrad/hour
96000422	U-107	12	DUP	S96T002160	0	W	H2ODIG01	SOLID	5.4600	5.3180	N/A	g/L
				.5318g → .1001								
96000422	U-107	13	DUP	S96T002160	0		DOSE-02	SOLID	20	20	N/A	mrad/hour

Final page for worklist # 8104

[illegible] 5-13-96
Analyst Signature | **Date**

Susan Bu 5/13/96
Analyst Signature **Date**

S96T001873 → S96T001875
1874 → 1876
2133 → 2160

Data Entry Comments:

Reviewed by RK Kelly 5/14/96

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# 5884

Analyst: [illegible] **Instrument:** FUS01 SN116355 **Book #** WHC1A/SLS WHCIN5 WHC2/SLS WHCZN2

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

Worklist Comment: U-107 Core 129 Seg 2U,2L,3U,3L Acid Digestion 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	~~g/L~~ DF [illegible] 3-4-96
96000085	U-107	3	SAMPLE	S96T000788	0	A	ACIDIG01	SOLID	N/A	4.3000		g/L
			.2150g → .050l									
96000085	U-107	4	SAMPLE	S96T000788	0		DOSE-02	SOLID	N/A	8		mrad/hour
96000085	U-107	5	DUP	S96T000788	0	A	ACIDIG01	SOLID	4.3000	4.6120	N/A	g/L
			.2306g → .050l									
96000085	U-107	6	DUP	S96T000788	0		DOSE-02	SOLID	8	7	N/A	mrad/hour
96000085	U-107	7	SPK	S96T000788	0	A	ACIDIG01	SOLID	20	20	N/A	~~g/L~~ DF 3-4-96 [illegible]
			.2258g → .050l									
96000085	U-107	8	SPK	S96T000788	0		DOSE-02	SOLID	NA	6	N/A	mrad/hour
96000085	U-107	9	SAMPLE	S96T000789	0	A	ACIDIG01	SOLID	N/A	4.4040		g/L
			.2202g → .050l									
96000085	U-107	10	SAMPLE	S96T000789	0		DOSE-02	SOLID	N/A	3.5		mrad/hour
96000085	U-107	11	DUP	S96T000789	0	A	ACIDIG01	SOLID	4.4040	4.2180	N/A	g/L
			.2109g → .050l									
96000085	U-107	12	DUP	S96T000789	0		DOSE-02	SOLID	3.5	3	N/A	mrad/hour
96000085	U-107	13	SAMPLE	S96T000790	0	A	ACIDIG01	SOLID	N/A	4.0480		g/L
			.2024g → .050l									
96000085	U-107	14	SAMPLE	S96T000790	0		DOSE-02	SOLID	N/A	1.5		mrad/hour
96000085	U-107	15	DUP	S96T000790	0	A	ACIDIG01	SOLID	4.0480	4.6460	N/A	g/L
			.2323g → .050l									
96000085	U-107	16	DUP	S96T000790	0		DOSE-02	SOLID	1.5	1.5	N/A	mrad/hour
96000085	U-107	17	SAMPLE	S96T000791	0	A	ACIDIG01	SOLID	N/A	3.9140		g/L
			.1957g → .050l									
96000085	U-107	18	SAMPLE	S96T000791	0		DOSE-02	SOLID	N/A	1.5		mrad/hour

Data Entry Comments:

644 → 788
647 → 789
650 → 790
653 → 791

<170 solids
HPT - Scott Corbally

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# 5884

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
96000085	U-107	19 DUP	S96T000791	0	A	ACIDIG01	SOLID	3.9180	3.9660	N/A	g/L
		-1983g → .0501									
96000085	U-107	20 DUP	S96T000791	0		DOSE-02	SOLID	1.5	1	N/A	mrad/hour

Final page for worklist # 5884

Analyst Signature: [signature] Date: 3-5-96

Analyst Signature: [signature] Date: 3/6/96

644 → 788
647 → 789
650 → 790
653 → 791

Reviewed by RK Fuller
3/6/96

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# 6420

Analyst: GAM **Instrument:** ACD01 SN16355 **Book #** WHC1A/J6JWHC1AN5 WHC2/J6JWHC2N2

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

Worklist Comment: TK#U-107,CORE 134,GRP# 126,SEG 2,3,4L,4A,4B ACIDIG RTS!

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	~~g/L~~ D.F. 5-28-96 GAM
96000126	U-107	3 SAMPLE 0.2524g → .050l	S96T001080	0 A	ACIDIG01	SOLID	N/A	5.0480		g/L
96000126	U-107	4 SAMPLE	S96T001080	0	DOSE-02	SOLID	N/A	.5		mrad/hour
96000126	U-107	5 DUP 0.2962g → .050l	S96T001080	0 A	ACIDIG01	SOLID	5.0480	5.9240	N/A	g/L
96000126	U-107	6 DUP	S96T001080	0	DOSE-02	SOLID	.5	3	N/A	mrad/hour
96000126	U-107	7 SPK 0.2560g → .050l	S96T001080	0 A	ACIDIG01	SOLID	20	20	N/A	~~g/L~~ GAM 3-28-96 D.F.
96000126	U-107	8 SPK	S96T001080	0	DOSE-02	SOLID	NA	3	N/A	mrad/hour
96000126	U-107	9 SAMPLE 0.2653g → .050l	S96T001081	0 A	ACIDIG01	SOLID	N/A	5.3060		g/L
96000126	U-107	10 SAMPLE	S96T001081	0	DOSE-02	SOLID	N/A	5		mrad/hour
96000126	U-107	11 DUP 0.2562g → .050l	S96T001081	0 A	ACIDIG01	SOLID	5.3060	5.1240	N/A	g/L
96000126	U-107	12 DUP	S96T001081	0	DOSE-02	SOLID	5	6	N/A	mrad/hour
96000126	U-107	13 SAMPLE 0.2821g → .050l	S96T001082	0 A	ACIDIG01	SOLID	N/A	5.6420		g/L
96000126	U-107	14 SAMPLE	S96T001082	0	DOSE-02	SOLID	N/A	24		mrad/hour
96000126	U-107	15 DUP 0.2739g → .050l	S96T001082	0 A	ACIDIG01	SOLID	5.6420	5.4780	N/A	g/L
96000126	U-107	16 DUP	S96T001082	0	DOSE-02	SOLID	24	15	N/A	mrad/hour
96000126	U-107	17 SAMPLE 0.2502g → .050l	S96T001083	0 A	ACIDIG01	SOLID	N/A	5.0040		g/L
96000126	U-107	18 SAMPLE	S96T001083	0	DOSE-02	SOLID	N/A	20		mrad/hour

~~S96T~~

Data Entry Comments: <1% solids

HPT - Scott Corbally

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# 6420

GROUP	PROJECT	S TYPE	SAMPLE#	R A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
96000126	U-107	19 DUP 0.2611g → .0501	S96T001083	0 A	ACIDIG01	SOLID	5.0040	5.2220	N/A	g/L
96000126	U-107	20 DUP	S96T001083	0	DOSE-02	SOLID	15	10	N/A	mrad/hour
96000126	U-107	21 SAMPLE 0.2828g → .0501	S96T001084	0 A	ACIDIG01	SOLID	N/A	5.6560		g/L
96000126	U-107	22 SAMPLE	S96T001084	0	DOSE-02	SOLID	N/A	12		mrad/hour
96000126	U-107	23 DUP 0.2809g → .0501	S96T001084	0 A	ACIDIG01	SOLID	5.6560	5.6180	N/A	g/L
96000126	U-107	24 DUP	S96T001084	0	DOSE-02	SOLID	12	12	N/A	mrad/hour

Final page for worklist # 6420

J M Murphy 3-28-96
Analyst Signature Date

Susan Bu 4/03/96
Analyst Signature Date

S96T001055 → S96T001080
1056 → 1081
1057 → 1082
1064 → 1083
1065 → 1084

Reviewed by RK Fuller 4/8/96

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# 6421

Analyst: [signature] **Instrument:** ACD01 SN16355 **Book #** WHC1A/J62WHC1AN5 WHC2/J62WHC2N2

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

Worklist Comment: TK#U-107,CORE 134,GRP# 126,SEG 5B,5U,5A,6A,COMP ACIDIG RTS!

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	~~g/L~~ D.F. [initials] 3-28-96
96000126	U-107	3 SAMPLE	S96T001085	0 A	ACIDIG01	SOLID	N/A	5.0980		g/L
		0.2549g → .050l								
96000126	U-107	4 SAMPLE	S96T001085	0	DOSE-02	SOLID	N/A	16		mrad/hour
96000126	U-107	5 DUP	S96T001085	0 A	ACIDIG01	SOLID	5.0980	5.4020	N/A	g/L
		0.2701g → .050l								
96000126	U-107	6 DUP	S96T001085	0	DOSE-02	SOLID	16	19	N/A	mrad/hour
96000126	U-107	7 SPK	S96T001085	0 A	ACIDIG01	SOLID	20	20	N/A	~~g/L~~ D.F. [initials] 3-28-96
		0.2673g → .050l								
96000126	U-107	8 SPK	S96T001085	0	DOSE-02	SOLID	N/A	24	N/A	mrad/hour
96000126	U-107	9 SAMPLE	S96T001086	0 A	ACIDIG01	SOLID	N/A	5.4900		g/L
		0.2745g → .050l								
96000126	U-107	10 SAMPLE	S96T001086	0	DOSE-02	SOLID	N/A	21		mrad/hour
96000126	U-107	11 DUP	S96T001086	0 A	ACIDIG01	SOLID	5.4900	4.9680	N/A	g/L
		0.2484g → .050l								
96000126	U-107	12 DUP	S96T001086	0	DOSE-02	SOLID	21	25	N/A	mrad/hour
96000126	U-107	13 SAMPLE	S96T001087	0 A	ACIDIG01	SOLID	N/A	5.7880		g/L
		0.2894g → .050l								
96000126	U-107	14 SAMPLE	S96T001087	0	DOSE-02	SOLID	N/A	9		mrad/hour
96000126	U-107	15 DUP	S96T001087	0 A	ACIDIG01	SOLID	5.7880	4.5700	N/A	g/L
		0.2285g → .050l								
96000126	U-107	16 DUP	S96T001087	0	DOSE-02	SOLID	9	7	N/A	mrad/hour
96000126	U-107	17 SAMPLE	S96T001088	0 A	ACIDIG01	SOLID	N/A	5.5180		g/L
		0.2759g → .050l								
96000126	U-107	18 SAMPLE	S96T001088	0	DOSE-02	SOLID	N/A	.5		mrad/hour

Data Entry Comments: <1% Solids
HPT - Scott Corbally

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# 6421

GROUP	PROJECT	S TYPE	SAMPLE#	R A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
96000126	U-107	19 DUP 0.2633g → .0501	S96T001088	0 A	ACIDIG01	SOLID	5.5180	5.2660	N/A	g/L
96000126	U-107	20 DUP	S96T001088	0	DOSE-02	SOLID	7	3	N/A	mrad/hour
96000126	U-107	21 SAMPLE 0.2324g → .0501	S96T001130	0 A	ACIDIG01	SOLID	N/A	4.6980		g/L
96000126	U-107	22 SAMPLE	S96T001130	0	DOSE-02	SOLID	N/A	7		mrad/hour
96000126	U-107	23 DUP 0.2271g → .0501	S96T001130	0 A	ACIDIG01	SOLID	4.6480	4.5420	N/A	g/L
96000126	U-107	24 DUP	S96T001130	0	DOSE-02	SOLID	7	10	N/A	mrad/hour

Final page for worklist # 6421

A Murphy 3-28-96
Analyst Signature Date

Susan Bu 4/08/96
Analyst Signature Date

S96T001058 → S96T001085
1068 → 1086 (GRANULAR, ROCKY, LUMPY, SLUDGE)
1059 → 1087
1070 → 1088
1128 → 1130

Reviewed by R K Fuller 4/8/96

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.

worklistrpt Version 2.1 05/15/95
03/19/96 14:54

LABCORE Data Entry Template for Worklist# 6536

Analyst: BAM **Instrument:** ACD01 SN11635 **Book #** WHC1A/J6JWHC1AN5 WHC2/J6JWHC2N2

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

Worklist Comment: TK#U-107,CORE 129,SEG 3R,COMP ACIDIG01 RTS!

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	~~g/L~~ D.F. BAM 3-28-96
96000085	U-107	3 SAMPLE 0.2685g → .0501	S96T001152	0 A	ACIDIG01	SOLID	N/A	5.3700		g/L
96000085	U-107	4 SAMPLE	S96T001152	0	DOSE-02	SOLID	N/A	3		mrad/hour
96000085	U-107	5 DUP 0.2955g → .0501	S96T001152	0 A	ACIDIG01	SOLID	5.3700	5.9100	N/A	g/L
96000085	U-107	6 DUP	S96T001152	0	DOSE-02	SOLID	3	4	N/A	mrad/hour
96000085	U-107	7 SPK 0.2902g → .0501	S96T001152	0 A	ACIDIG01	SOLID	20	20	N/A	~~g/L~~ D.F. BAM 3-28-96
96000085	U-107	8 SPK	S96T001152	0	DOSE-02	SOLID	NA	4	N/A	mrad/hour
96000085	U-107	9 SAMPLE 0.2694g → .0501	S96T001161	0 A	ACIDIG01	SOLID	N/A	5.3880		g/L
96000085	U-107	10 SAMPLE	S96T001161	0	DOSE-02	SOLID	N/A	5		mrad/hour
96000085	U-107	11 DUP 0.2527g → .0501	S96T001161	0 A	ACIDIG01	SOLID	5.3880	5.0540	N/A	g/L
96000085	U-107	12 DUP	S96T001161	0	DOSE-02	SOLID	5	8	N/A	mrad/hour

Final page for worklist # 6536

BAMurphy 3-28-96
Analyst Signature **Date**

Susan Bee 4/08/96
Analyst Signature **Date**

S96T001143 → S96T001152

S96T001159 → S96T001161

Data Entry Comments: <1% solids
HPT- Scott Cordally

Reviewed by RKFuller 4/8/96

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# 8103

Analyst: DAM **Instrument:** ACD01 _____ **Book #** _____

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

Worklist Comment: U-107 C135 2RA,2RB,2A ACIDIG01 SKB

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	~~g/L~~ D.F. 5-15-96 DAM
96000422	U-107	3	SAMPLE	S96T001877	0	A	ACIDIG01	SOLID	N/A	5.2740		g/L
				.2637g → .050l								
96000422	U-107	4	SAMPLE	S96T001877	0		DOSE-02	SOLID	N/A	5		mrad/hour
96000422	U-107	5	DUP	S96T001877	0	A	ACIDIG01	SOLID	5.2740	5.0820	N/A	g/L
				.2541g → .050l								
96000422	U-107	6	DUP	S96T001877	0		DOSE-02	SOLID	5	2.5	N/A	mrad/hour
96000422	U-107	7	SPK	S96T001877	0	A	ACIDIG01	SOLID	20	20	N/A	~~g/L~~ D.F. 5-13-96 DAM
				.2769g → .050l								
96000422	U-107	8	SPK	S96T001877	0		DOSE-02	SOLID	NA	4	N/A	mrad/hour
96000422	U-107	9	SAMPLE	S96T001878	0	A	ACIDIG01	SOLID	N/A	5.4080		g/L
				.2704g → .050l								
96000422	U-107	10	SAMPLE	S96T001878	0		DOSE-02	SOLID	N/A	5		mrad/hour
96000422	U-107	11	DUP	S96T001878	0	A	ACIDIG01	SOLID	5.4080	5.6540	N/A	g/L
				.2827g → .050l								
96000422	U-107	12	DUP	S96T001878	0		DOSE-02	SOLID	5	5	N/A	mrad/hour
96000422	U-107	13	SAMPLE	S96T002161	0	A	ACIDIG01	SOLID	N/A	5.0860		g/L
				.2943g → .050l								
96000422	U-107	14	SAMPLE	S96T002161	0		DOSE-02	SOLID	N/A	10		mrad/hour
96000422	U-107	15	DUP	S96T002161	0	A	ACIDIG01	SOLID	5.0860	5.4300	N/A	g/L
				.2715g → .050l								
96000422	U-107	16	DUP	S96T002161	0		DOSE-02	SOLID	10	10	N/A	mrad/hour

S96T001873 → S96T001877
1874 1878
2133 2166

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# 8103

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

Final page for worklist # 8103

Analyst Signature Date 5-13-96

Analyst Signature Date 5/13/96

Data Entry Comments: Reviewed by RK Fuller 5/14/96

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# 8209

Analyst: [illegible] **Instrument:** ACD01 SN16355 **Book #** _____

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

Worklist Comment: U-107 C134 S2,S3,S4L,S4QA,S4QB ACIDIG01 SKB

RUSH

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	~~g/L~~ D.F. 5-15-96 [illegible]
96000126	U-107	3 SAMPLE	S96T002284	0 A	ACIDIG01	SOLID	N/A	5.1500		g/L
		.2575g → .050l								
96000126	U-107	4 SAMPLE	S96T002284	0	DOSE-02	SOLID	N/A	20		mrad/hour
96000126	U-107	5 DUP	S96T002284	0 A	ACIDIG01	SOLID	5.1500	5.3920	N/A	g/L
		.2649g → .050l								
96000126	U-107	6 DUP	S96T002284	0	DOSE-02	SOLID	20	20	N/A	mrad/hour
96000126	U-107	7 SPK	S96T002284	0 A	ACIDIG01	SOLID	20	20	N/A	~~g/L~~ D.F. 5-15-96 [illegible]
		.2790g → .050l								
96000126	U-107	8 SPK	S96T002284	0	DOSE-02	SOLID	NA	20	N/A	mrad/hour
96000126	U-107	9 SAMPLE	S96T002285	0 A	ACIDIG01	SOLID	N/A	5.0580		g/L
		.2529g → .050l								
96000126	U-107	10 SAMPLE	S96T002285	0	DOSE-02	SOLID	N/A	20		mrad/hour
96000126	U-107	11 DUP	S96T002285	0 A	ACIDIG01	SOLID	5.0580	5.0540	N/A	g/L
		.2527g → .050l								
96000126	U-107	12 DUP	S96T002285	0	DOSE-02	SOLID	20	20	N/A	mrad/hour
96000126	U-107	13 SAMPLE	S96T002286	0 A	ACIDIG01	SOLID	N/A	5.4480		g/L
		.2724g → .050l								
96000126	U-107	14 SAMPLE	S96T002286	0	DOSE-02	SOLID	N/A	35		mrad/hour
96000126	U-107	15 DUP	S96T002286	0 A	ACIDIG01	SOLID	5.4480	5.5980	N/A	g/L
		.2799g → .050l								
96000126	U-107	16 DUP	S96T002286	0	DOSE-02	SOLID	35	35	N/A	mrad/hour
96000126	U-107	17 SAMPLE	S96T002287	0 A	ACIDIG01	SOLID	N/A	4.9600		g/L
		.2480g → .050l								
96000126	U-107	18 SAMPLE	S96T002287	0	DOSE-02	SOLID	N/A	50		mrad/hour

Data Entry Comments: <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# 8209

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
96000126	U-107	19 DUP	S96T002287	0	A	ACIDIG01	SOLID	4.9660	5.5760	N/A	g/L
		.2788g → .050l									
96000126	U-107	20 DUP	S96T002287	0		DOSE-02	SOLID	50	50	N/A	mrad/hour
96000126	U-107	21 SAMPLE	S96T002288	0	A	ACIDIG01	SOLID	N/A	5.9660		g/L
		.2983g → .050l									
96000126	U-107	22 SAMPLE	S96T002288	0		DOSE-02	SOLID	N/A	30		mrad/hour
96000126	U-107	23 DUP	S96T002288	0	A	ACIDIG01	SOLID	5.9660	5.7280	N/A	g/L
		.2864g → .050l									
96000126	U-107	24 DUP	S96T002288	0		DOSE-02	SOLID	30	25	N/A	mrad/hour
96000126	U-107	25 SPK	S96T002288	0	A	ACIDIG01	SOLID	20	20	N/A	~~g/L~~ D.F. 5-15-96 CAM
		.2931g → .050l									
96000126	U-107	26 SPK	S96T002288	0		DOSE-02	SOLID	NA	55	N/A	mrad/hour

Final page for worklist # 8209

Analyst Signature: [signature] Date: 5-16-96

Analyst Signature: [signature] Date: 5/17/96

S96T001055 → S96T002284
1056 → 2285
1057 → 2286
1064 → 2287
1065 → 2288

Data Entry Comments:

Reviewed by RK Fuller 5/17/96

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.

INORGANIC ANALYSES

THIS PAGE WAS INTENTIONALLY LEFT BLANK

Bulk Density Worksheet

Requestor: J Jo

Date: 07-08-96

Tank: U-107	Tank:	Tank:	Tank:
Core: 135	Core:	Core:	Core:
Seg: [redacted]-2A	Seg:	Seg:	Seg:
Auger: —	Auger:	Auger:	Auger:

Group # 96009422
Lab core # 2130
Sample # 96700284
Time 0710

	Start Time: / End Time:	Homogenization Time (Min.):	Jar#:	Jar/Vial Size: mL	Initial Weight: g	Final Weight: g	Net Weight: g
Tank U-107, Core 135, Seg [redacted]-2A			9813	60 mL	23.2 g	27.83 g	4.9 g
Tank, Core, Seg, Auger				mL	g	g	g
Tank, Core, Seg, Auger				mL	g	g	g
Tank, Core, Seg, Auger				mL	g	g	g

	Cone#:	Final Vol: mL	Initial Weight: g	Final Weight: g	Net Weight: g
Tank U-107, Core 135, Seg [redacted]-2A	9813	8.0 mL	7.50 g	22.60 g	15.1 g
Tank, Core, Seg, Auger		mL	g	g	g
Tank, Core, Seg, Auger		mL	g	g	g
Tank, Core, Seg, Auger		mL	g	g	g

Tare 07-08-96

Appearance/Narrative:	Appearance/Narrative:	Appearance/Narrative:	Appearance/Narrative:
Bk Den = 4.5/8.0 = 1.88 g/mL			

RK Fuller 7/9/96
Validated

LABCORE Data Entry Template for Worklist# 6053

Analyst: KGH **Instrument:** BA001 _____ **Book #** 133116-A

Method: LA-510-112 Rev/Mod C-3

Worklist Comment: U-107 SPG-01 RUN DIRECT. RCJ-

GROUP	PROJECT	S TYPE	SAMPLE#	R A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD			SPG-01	LIQUID	1.398	1.373	N/A	Sp.G.
96000085	U-107	2 SAMPLE	S96T000637	0	SPG-01	LIQUID	N/A	1.381	0.010	Sp.G.
96000085	U-107	3 SAMPLE	S96T000641	0	SPG-01	LIQUID	N/A	1.435	0.010	Sp.G.

Final page for worklist # 6053

[signature] 3/12/96
Analyst Signature **Date**

[signature] 3/13/96
Analyst Signature **Date**

Reviewed RW Schroeder 3/18/96

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.

SPECIFIC GRAVITY ANALYSIS

1.84373 g
2.04859 g
STD

1.91672 g
2.12420 g
STD

1.81818 g
2.02562 g
5961000
637

1.87798 g
2.08296 g
5961000
639

1.81579 g
2.03125 g
1.87609 g
2.08516 g
5961000
641

5961000
641

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

SPECIFIC GRAVITY : LA-510-112 (C-3)

		STANDARD	STANDARD
STANDARD	Gross Weight (W2)	2.0486	2.1242
[redacted]	Tare Weight (W1)	1.8437	1.9167
6053	Weight of Solution (W2-W1)	0.20486	0.20748
[redacted]	Volume of Solution µL	150.1700	150.1700
SPG-01	Specific Gravity	1.3642	1.3816
[redacted]	Specific Gravity (Average)	1.3729	
LIQUID			
[redacted]			
133N16A			
[redacted]	Gross Weight (W2) = Wt. of vial + cap + cotton + solution		
	Tare Weight (W1) = Wt. of vial + cap + cotton		
[redacted]			
K. HIGBEE	Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]		
[redacted]			
03/12/96	v RESULT v		
[redacted]	Specific Gravity Average =	1.373	

Data Entry by:	RTS	Date:	03/13/96
Approved by:	RW Schroeder	Date:	3/18/96

Form 510112L1 Rev. 1.1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

SPECIFIC GRAVITY : LA-510-112 (C-3)

		SAMPLE	REPLICATE
SAMPLE	Gross Weight (W2)	2.0256	
[redacted]	Tare Weight (W1)	1.8182	
6053	Weight of Solution (W2-W1)	0.20744	0
[redacted]	Volume of Solution µL	150.1700	
SPG-01	Specific Gravity	1.3814	NA
[redacted]			
LIQUID			
[redacted]			
S95T000637			
[redacted]	Gross Weight (W2) = Wt. of vial + cap + cotton + solution		
	Tare Weight (W1) = Wt. of vial + cap + cotton		
[redacted]			
K. HIGBEE	Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]		
[redacted]			
03/12/96	v RESULT v		
[redacted]	Specific Gravity =	1.381	

Data Entry by:	RTS	Date:	03/13/96
Approved by:	RW Schroeder	Date:	3/18/96

Form 510112L1 Rev. 1.1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

SPECIFIC GRAVITY : LA-510-112 (C-3)

		SAMPLE	REPLICATE
SAMPLE	Gross Weight (W2)	2.0830	
	Tare Weight (W1)	1.8780	
6053	Weight of Solution (W2-W1)	0.20498	0
	Volume of Solution µL	150.1700	
SPG-01	Specific Gravity	1.3650	NA

LIQUID

S95T000637/DUP

Gross Weight (W2) = Wt. of vial + cap + cotton + solution

Tare Weight (W1) = Wt. of vial + cap + cotton

K. HIGBEE

Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]

03/12/96

v RESULT v

Specific Gravity =	1.365

Data Entry by:	RTS	Date:	03/13/96
Approved by:	RW Schroeder	Date:	3/18/96

Form 510112L1 Rev. 1.1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

SPECIFIC GRAVITY : LA-510-112 (C-3)

		SAMPLE	REPLICATE
SAMPLE	Gross Weight (W2)	2.0313	
[redacted]	Tare Weight (W1)	1.8157	
6053	Weight of Solution (W2-W1)	0.21553	0
[redacted]	Volume of Solution µL	150.1700	
SPG-01	Specific Gravity	1.4352	NA
[redacted]			

LIQUID

[redacted]

S95T000641

[redacted]

Gross Weight (W2) = Wt. of vial + cap + cotton + solution
Tare Weight (W1) = Wt. of vial + cap + cotton

[redacted]

K. HIGBEE

Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]

[redacted]

03/12/96

v RESULT v

[redacted]

Specific Gravity = 1.435

Data Entry by:	RTS	Date:	03/13/96
Approved by:	RW Schroeder	Date:	3/18/96

Form 510112L1 Rev. 1.1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

SPECIFIC GRAVITY : LA-510-112 (C-3)

		SAMPLE	REPLICATE
SAMPLE	Gross Weight (W2)	2.0954	
	Tare Weight (W1)	1.8861	
6053	Weight of Solution (W2-W1)	0.20927	0
	Volume of Solution µL	150.1700	
SPG-01	Specific Gravity	1.3936	NA

LIQUID

S95T000641/DUP

Gross Weight (W2) = Wt. of vial + cap + cotton + solution
Tare Weight (W1) = Wt. of vial + cap + cotton

K. HIGBEE

Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]

03/12/96

v RESULT v

Specific Gravity =	1.394

Data Entry by:	RTS	Date:	03/13/96
Approved by:	RW Schroeder	Date:	3/18/96

Form 510112L1 Rev. 1.1

worklistrpt Version 2.1 05/15/95
03/14/96 14:54

LABCORE Data Entry Template for Worklist# 6523

Analyst: SMF **Instrument:** BA001 **Book #** 133 N16-A

Method: LA-510-112 Rev/Mod C-3

Worklist Comment: U-107 AND S-102 SPG. RCJ

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				SPG-01	LIQUID		1.366	N/A	Sp.G.
96000126	U-107	2	SAMPLE	S96T001107	0		SPG-01	LIQUID	N/A	1.437		Sp.G.
96000126	U-107	3	DUP	S96T001107	0		SPG-01	LIQUID	1.437	1.419	N/A	Sp.G.
96000094	S102	4	SAMPLE	S96T001125	0		SPG-01	LIQUID	N/A	1.452		Sp.G.
96000094	S102	5	DUP	S96T001125	0		SPG-01	LIQUID	1.452	1.489	N/A	Sp.G.

Final page for worklist # 6523

Susie M. Fulton 3-18-96 1715
Analyst Signature **Date**

3-19-96
Analyst Signature **Date**
Approved by H Anastas 3-19-96

STD 133N16-A	STD DUP	S96T001107 & DUP		S96T001125 & DUP	
Tare 1.33282g	1.35331g	1.30605g	1.36727g	1.31619g	1.35348g
Gross 1.53787g	1.55857g	1.52190g	1.58036g	1.53928g	1.57715g
Samp Size .15017ml	.15017ml	.15017ml	.15017ml	.15017ml	.15017ml

Data Entry Comments: STD & SAMPLE SIZE : .15017ml

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.

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

SPECIFIC GRAVITY : LA-510-112 (C-3)

Type		STANDARD	STANDARD
STANDARD	Gross Weight (W2)	1.5379	1.5586
Work List	Tare Weight (W1)	1.3328	1.3533
6523	Weight of Solution (W2-W1)	0.20505	0.20526
Test Code	Volume of Solution µL	150.1700	150.1700
SPG-01	Specific Gravity	1.3655	1.3669
Matrix	Specific Gravity (Average)	1.3662	
LIQUID			
Sample #			
STD			
Instrument Code	Gross Weight (W2) = Wt. of vial + cap + cotton + solution		
BA001	Tare Weight (W1) = Wt. of vial + cap + cotton		
Analyst			
SMF	Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]		
Date			
03/18/96	v RESULT v		
Time	Specific Gravity Average =	1.366	
05:15 PM			

Data Entry by:	[signature]	Date:	03/19/96
Approved by:	[signature]	Date:	3-19-96

Form 510112L1 Rev. 1.1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

SPECIFIC GRAVITY : LA-510-112 (C-3)

Type		SAMPLE	REPLICATE
SAMPLE	Gross Weight (W2)	1.5219	
Worklist	Tare Weight (W1)	1.3061	
6523	Weight of Solution (W2-W1)	0.21585	0
Test Code	Volume of Solution µL	150.1700	
SPG-01	Specific Gravity	1.4374	NA
Matrix			
LIQUID			
Sample #			
S96T001107			
Instrument Code	Gross Weight (W2) = Wt. of vial + cap + cotton + solution		
BA001	Tare Weight (W1) = Wt. of vial + cap + cotton		
Analyst			
SMF	Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]		
Date			
03/18/96	v RESULT v		
Time	Specific Gravity =	1.437	
05:15 PM			

Data Entry by:	[signature]	Date:	03/19/96
Approved by:	H Anastor	Date:	3-19-96

Form 510112L1 Rev. 1.1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

SPECIFIC GRAVITY : LA-510-112 (C-3)

Type		DUPLICATE	REPLICATE
DUPLICATE	Gross Weight (W2)	1.5804	
Work List	Tare Weight (W1)	1.3673	
6523	Weight of Solution (W2-W1)	0.21309	0
Test Code	Volume of Solution µL	150.1700	
SPG-01	Specific Gravity	1.4190	NA
Matrix			
LIQUID			
Sample #			
S96T001107 DUP			
Instrument Code	Gross Weight (W2) = Wt. of vial + cap + cotton + solution		
BA001	Tare Weight (W1) = Wt. of vial + cap + cotton		
Analyst			
SMF	Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]		
Date			
03/18/96	v RESULT v		
Time	Specific Gravity =	1.419	
05:15 PM			

Data Entry by:	[signature]	Date:	03/19/96
Approved by:	H Anastor	Date:	3-19-96

Form 510112L1 Rev. 1.1

BCORE Data Entry Template for Worklist# 7984

Anal KNT Instrument: BA001 Book # 133N16-A

Met Rev/Mod C-3

Wor S-107 & U-107 SPG RUN IN DUPLICATE. RCJ

GROUP	ECT	TYPE	SAMPLE#	R A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		STD			SPG-01	LIQUID	1.398	1.375	N/A	Sp.G.
96000	7	2 SAMPLE	S96T001785	0	SPG-01	LIQUID	N/A	1.28	0.01	Sp.G.
9600	7	DUP	S96T001785	0	SPG-01	LIQUID	1.28	1.23	N/A	Sp.G.
9600	7	MPLE	S96T001790	0	SPG-01	LIQUID	N/A	1.25	0.01	Sp.G.
9600		UP	S96T001790	0	SPG-01	LIQUID	1.25	1.24	N/A	Sp.G.
9600		MPLE	S96T001865	0	SPG-01	LIQUID	N/A	1.03	0.01	Sp.G.
9600	7	UP	S96T001865	0	SPG-01	LIQUID	1.03	1.03	N/A	Sp.G.

Final page for worklist # 7984

Kim Thomas 4-24-96
Analyst Date

RHH 4-25-96
Analyst Signature Date

Reviewed RW Schroeder 4/26/96

BEST AVAILABLE COPY

Date

Un STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number,
R = = Aliquot Code.

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

SPECIFIC GRAVITY : LA-510-112 (C-3)

		STANDARD	STANDARD
Type			
STANDARD	Gross Weight (W2)	2.1277	2.0757
Worklist	Tare Weight (W1)	1.9247	1.8657
7984	Weight of Solution (W2-W1)	0.203	0.21
Test Code	Volume of Solution µL	150.1700	150.1700
S[G-01	Specific Gravity	1.3518	1.3984
Matrix	Specific Gravity (Average)	1.3751	
LIQUID			
Sample			
STD			
Instrument Code	Gross Weight (W2) = Wt. of vial + cap + cotton + solution		
BA001	Tare Weight (W1) = Wt. of vial + cap + cotton		
Analyst			
knt	Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]		
Date			
04/24/96	v RESULT v		
Time	Specific Gravity Average =	1.375	

Data Entry by:	RTS	Date:	04/25/96
Approved by:	RW Schroeder	Date:	4/26/96

Form 510112L1 Rev. 1.1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

SPECIFIC GRAVITY : LA-510-112 (C-3)

		SAMPLE	REPLICATE
Type			
SAMPLE	Gross Weight (W2)	2.0275	
Work List	Tare Weight (W1)	1.8432	
7984	Weight of Solution (W2-W1)	0.1843	0
Test Code	Volume of Solution µL	150.1700	
S[G-01	Specific Gravity	1.2273	NA
Matrix			
LIQUID			
Sample #			
S96T001785			
Instrument Code	Gross Weight (W2) = Wt. of vial + cap + cotton + solution		
BA001	Tare Weight (W1) = Wt. of vial + cap + cotton		
Analyst			
knt	Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]		
Date			
04/24/96	v RESULT v		
Time	Specific Gravity =	1.227	

Data Entry by:	RTS	Date:	04/25/96
Approved by:	RW Schroeder	Date:	4/26/96

Form 510112L1 Rev. 1.1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

SPECIFIC GRAVITY : LA-510-112 (C-3)

Type		SAMPLE	REPLICATE
SAMPLE	Gross Weight (W2)	2.0525	
Worklist	Tare Weight (W1)	1.8684	
7984	Weight of Solution (W2-W1)	0.1841	0
Test Code	Volume of Solution µL	150.1700	
S[G-01	Specific Gravity	1.2259	NA
Matrix			
LIQUID			
Sample #			
S96T001785/DUP			
Instrument Code	Gross Weight (W2) = Wt. of vial + cap + cotton + solution		
BA001	Tare Weight (W1) = Wt. of vial + cap + cotton		
Analyst			
knt	Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]		
Date			
04/24/96	v RESULT v		
Time	Specific Gravity =	1.226	

Data Entry by:	RTS	Date:	04/25/96
Approved by:	RW Schroeder	Date:	4/26/96

Form 510112L1 Rev. 1.1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

SPECIFIC GRAVITY : LA-510-112 (C-3)

		SAMPLE	REPLICATE
Type			
SAMPLE	Gross Weight (W2)	2.1102	
Work List	Tare Weight (W1)	1.9224	
7984	Weight of Solution (W2-W1)	0.1878	0
Test Code	Volume of Solution µL	150.1700	
S[G-01	Specific Gravity	1.2506	NA
Matrix			
LIQUID			
Sample #			
S96T001790			
Instrument Code	Gross Weight (W2) = Wt. of vial + cap + cotton + solution		
BA001	Tare Weight (W1) = Wt. of vial + cap + cotton		
Analyst			
knt	Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]		
Date			
04/24/96	v RESULT v		
Time	Specific Gravity =	1.251	

Data Entry by:	RTS	Date:	04/25/96
Approved by:	RW Schroeder	Date:	4/26/96

Form 510112L1 Rev. 1.1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

SPECIFIC GRAVITY : LA-510-112 (C-3)

Type		SAMPLE	REPLICATE
SAMPLE	Gross Weight (W2)	2.0413	
Worklist	Tare Weight (W1)	1.8555	
7984	Weight of Solution (W2-W1)	0.1858	0
Test Code	Volume of Solution µL	150.1700	
S[G-01	Specific Gravity	1.2373	NA
Matrix			
LIQUID			
Sample #			
S96T001790/DUP			
Instrument Code	Gross Weight (W2) = Wt. of vial + cap + cotton + solution		
BA001	Tare Weight (W1) = Wt. of vial + cap + cotton		
Analyst			
knt	Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]		
Date			
04/24/96	v RESULT v		
Time	Specific Gravity =	1.237	

Data Entry by:	RTS	Date:	04/25/96
Approved by:	RW Schroeder	Date:	4/26/96

Form 510112L1 Rev. 1.1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

SPECIFIC GRAVITY : LA-510-112 (C-3)

Type		SAMPLE	REPLICATE
SAMPLE	Gross Weight (W2)	2.0684	
Work List	Tare Weight (W1)	1.9133	
7984	Weight of Solution (W2-W1)	0.1551	0
Test Code	Volume of Solution µL	150.1700	
S[G-01	Specific Gravity	1.0328	NA
Matrix			
LIQUID			
Sample#			
S96T001865			
Instrument Code	Gross Weight (W2) = Wt. of vial + cap + cotton + solution		
BA001	Tare Weight (W1) = Wt. of vial + cap + cotton		
Analyst			
knt	Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]		
Date			
04/24/96	v RESULT v		
Time	Specific Gravity =	1.033	

Data Entry by:	RTS	Date:	04/25/96
Approved by:	Ron Schroeder	Date:	4/26/96

Form 510112L1 Rev. 1.1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-CP-184, REV. 1

SPECIFIC GRAVITY : LA-510-112 (C-3)

		SAMPLE	REPLICATE
Type			
SAMPLE	Gross Weight (W2)	1.9539	
Work Unit	Tare Weight (W1)	1.7996	
7984	Weight of Solution (W2-W1)	0.1543	0
Test Code	Volume of Solution µL	150.1700	
SIG-01	Specific Gravity	1.0275	NA
Matrix			
LIQUID			
Sample #			
S96T001865/DUP			
Instrument Code	Gross Weight (W2) = Wt. of vial + cap + cotton + solution		
BA001	Tare Weight (W1) = Wt. of vial + cap + cotton		
Analyst			
knt	Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]		
Date			
04/24/96	v RESULT v		
Time	Specific Gravity =	1.028	

Data Entry by:	RTS	Date:	04/25/96
Approved by:	RW Schroeder	Date:	4/26/96

Form 510112L1 Rev. 1.1

LABCORE Data Entry Template for Worklist# 8440

Analyst: ADP **Instrument:** BA001 **Book #** 133N16A

Method: LA-510-112 Rev/Mod C-3

Worklist Comment: U-107 SPG. RCJ

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				SPG-01	LIQUID	1.40	~~1.380~~ 1.371 RWS 5/14/96	N/A	Sp.G.
96000422	U-107	2	SAMPLE	S96T002140	0		SPG-01	LIQUID	N/A	1.470	0.01	Sp.G.
96000422	U-107	3	DUP	S96T002140	0		SPG-01	LIQUID	1.470	1.392	N/A	Sp.G.
96000422	U-107	4	SAMPLE	S96T002141	0		SPG-01	LIQUID	N/A	1.474	0.01	Sp.G.
96000422	U-107	5	DUP	S96T002141	0		SPG-01	LIQUID	1.474	1.412	N/A	Sp.G.
96000422	U-107	6	SAMPLE	S96T002142	0		SPG-01	LIQUID	N/A	1.665	0.01	Sp.G.
96000422	U-107	7	DUP	S96T002142	0		SPG-01	LIQUID	1.665	1.373	N/A	Sp.G.

Final page for worklist # 8440

See Attached
Analyst Signature **Date**

[signature] 5-14-96
Analyst Signature **Date**

Edited & approved RW Schroeder 5/14/96

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# 8440

Analyst: ADP **Instrument:** BA001 _____ **Book #** 133N16A

Method: LA-510-112 Rev/Mod C-3

Worklist Comment: U-107 SPG. RCJ

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				SPG-01	LIQUID		1.380	N/A	Sp.G.
96000422	U-107	2	SAMPLE	S96T002140	0		SPG-01	LIQUID	N/A	1.470		Sp.G.
96000422	U-107	3	SAMPLE	S96T002141	0		SPG-01	LIQUID	N/A			Sp.G.
96000422	U-107	4	SAMPLE	S96T002142	0		SPG-01	LIQUID	N/A			Sp.G.

Final page for worklist # 8440

[signature] 5-10-96
Analyst Signature **Date**

Analyst Signature **Date**

4360

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.

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

SPECIFIC GRAVITY : LA-510-112 (C-3)

		Standard	STANDARD
Standard	Gross Weight (W2)	1.9802	2.0369
Worksheet	Tare Weight (W1)	1.8428	1.8997
8440	Weight of Solution (W2-W1)	0.1374	0.1372
Test Code	Volume of Solution µL	100.1200	100.1200
SpG-01	Specific Gravity	1.3724	1.3704
Matrix	Specific Gravity (Average)	1.3714	
LIQUID			
Sample			
133N16A			
Instrument Code	Gross Weight (W2) = Wt. of vial + cap + cotton + solution		
BA001	Tare Weight (W1) = Wt. of vial + cap + cotton		
Analyst			
AD Purinton	Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]		
Date			
05/10/96	v RESULT v		
Time	Specific Gravity Average =	1.371	

Data Entry by:	RWS	Date:	05/14/96
Approved by:	RW Schroeder	Date:	5/14/96

Form 510112L1 Rev. 1.1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

SPECIFIC GRAVITY : LA-510-112 (C-3)

Type		SAMPLE	REPLICATE
SAMPLE	Gross Weight (W2)	2.0416	
Work List	Tare Weight (W1)	1.8944	
8440	Weight of Solution (W2-W1)	0.1472	0
Test Code	Volume of Solution µL	100.1200	
SPG-01	Specific Gravity	1.4702	NA
Matrix			
LIQUID			
Sample #			
S96T002140			
Instrument Code	Gross Weight (W2) = Wt. of vial + cap + cotton + solution		
BA001	Tare Weight (W1) = Wt. of vial + cap + cotton		
Analyst			
ADP	Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]		
Date			
05/10/96	v RESULT v		
Comments	Specific Gravity =	1.470	

Data Entry by:	RWS	Date:	05/14/96
Approved by:	RW Schroeder	Date:	5/14/96

Form 510112L1 Rev. 1.1

Page 1 of 1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

SPECIFIC GRAVITY : LA-510-112 (C-3)

		SAMPLE/DUP	REPLICATE
SAMPLE/DUP	Gross Weight (W2)	2.0434	
Workbench	Tare Weight (W1)	1.9040	
8440	Weight of Solution (W2-W1)	0.1394	0
Test Code	Volume of Solution µL	100.1200	
SPG-01	Specific Gravity	1.3923	NA
Matrix			
LIQUID			
Sample #			
S96T002140			
Instrument Code	Gross Weight (W2) = Wt. of vial + cap + cotton + solution		
BA001	Tare Weight (W1) = Wt. of vial + cap + cotton		
Analyst			
ADP	Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]		
Date			
05/10/96	v RESULT v		
Time	Specific Gravity =	1.392	

Data Entry by:	RWS	Date:	05/14/96
Approved by:	Ru Schroeder	Date:	5/14/96

Form 510112L1 Rev. 1.1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

SPECIFIC GRAVITY : LA-510-112 (C-3)

		SAMPLE	REPLICATE
SAMPLE	Gross Weight (W2)	2.0161	
	Tare Weight (W1)	1.8685	
8440	Weight of Solution (W2-W1)	0.1476	0
	Volume of Solution µL	100.1200	
SPG-01	Specific Gravity	1.4742	NA

LIQUID

S96T002141

BA001

ADP

05/10/96

Gross Weight (W2) = Wt. of vial + cap + cotton + solution

Tare Weight (W1) = Wt. of vial + cap + cotton

Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]

v RESULT v

Specific Gravity =	1.474

Data Entry by:	RWS	Date:	05/14/96
Approved by:	RW Schroeder	Date:	5/14/96

Form 510112L1 Rev. 1.1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

SPECIFIC GRAVITY : LA-510-112 (C-3)

		SAMPLE/DUP	REPLICATE
Sample Type			
SAMPLE/DUP	Gross Weight (W2)	2.0132	
Work List	Tare Weight (W1)	1.8718	
8440	Weight of Solution (W2-W1)	0.1414	0
Test Code	Volume of Solution µL	100.1200	
SPG-01	Specific Gravity	1.4123	NA
Matrix			
LIQUID			
Sample #			
S96T002141			
Instrument Code	Gross Weight (W2) = Wt. of vial + cap + cotton + solution		
BA001	Tare Weight (W1) = Wt. of vial + cap + cotton		
Analyst			
ADP	Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]		
Date			
05/10/96	v RESULT v		
Time	Specific Gravity =	1.412	

Data Entry by:	Dwi S	Date:	05/14/96
Approved by:	Dwi Schroeder	Date:	5/14/96

Form 510112L1 Rev. 1.1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

SPECIFIC GRAVITY : LA-510-112 (C-3)

		SAMPLE	REPLICATE
SAMPLE	Gross Weight (W2)	2.0296	
Work List	Tare Weight (W1)	1.8629	
8440	Weight of Solution (W2-W1)	0.1667	0
Test Code	Volume of Solution µL	100.1200	
SPG-01	Specific Gravity	1.6650	NA
Matrix			
LIQUID			
Sample #			
S96T002142			
Instrument Code	Gross Weight (W2) = Wt. of vial + cap + cotton + solution		
BA001	Tare Weight (W1) = Wt. of vial + cap + cotton		
Analyst			
ADP	Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]		
Date			
05/10/96	v RESULT v		
Time	Specific Gravity =	1.665	

Data Entry by:	PW Schwedy	Date:	05/14/96
Approved by:	PW Schwedy	Date:	5/14/96

Form 510112L1 Rev. 1.1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

SPECIFIC GRAVITY : LA-510-112 (C-3)

		SAMPLE/DUP	REPLICATE
Type			
SAMPLE/DUP	Gross Weight (W2)	2.0004	
WorkList	Tare Weight (W1)	1.8629	
8440	Weight of Solution (W2-W1)	0.1375	0
Test Code	Volume of Solution µL	100.1200	
SPG-01	Specific Gravity	1.3734	NA
Matrix			
LIQUID			
Sample #			
S96T002142			
Instrument Code	Gross Weight (W2) = Wt. of vial + cap + cotton + solution		
BA001	Tare Weight (W1) = Wt. of vial + cap + cotton		
Analyst			
ADP	Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]		
Date			
05/10/96	v RESULT v		
Time	Specific Gravity =	1.373	

Data Entry by:	RWS	Date:	05/14/96
Approved by:	RW Schroeder	Date:	5/14/96

Form 510112L1 Rev. 1.1

worklistrpt Version 2.1 05/15/95
05/15/96 13:55

LABCORE Data Entry Template for Worklist# 8729

Analyst: RK **Instrument:** BA001 **Book #** 133716 A

Method: LA-510-112 Rev/Mod C-3

Worklist Comment: U-107 & HERTING FOR SPG-01 RTS!

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				SPG-01	LIQUID	1.39755	1.362	N/A	Sp.G.
96000583	HERTING	2	SAMPLE	S96R000357	0		SPG-01	LIQUID	N/A	1.160	0.01	Sp.G.
96000583	HERTING	3	DUP	S96R000357	0		SPG-01	LIQUID	1.160	1.1480	N/A	Sp.G.
96000126	U-107	4	SAMPLE	S96T001121	0		SPG-01	LIQUID	N/A	1.026	0.01	Sp.G.
96000126	U-107	5	DUP	S96T001121	0		SPG-01	LIQUID	1.026	1.009	N/A	Sp.G.

Final page for worklist # 8729

Kol King 5/30/96
Analyst Signature **Date**

Gary Hammitt 5-30-96
Analyst Signature **Date**

Approved Ron Schroeder
6/03/96

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.

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

SPECIFIC GRAVITY : LA-510-112 (C-3)

Type		STANDARD	STANDARD
STANDARD	Gross Weight (W2)	2.0136	2.0183
Work List	Tare Weight (W1)	1.8083	1.8144
8729	Weight of Solution (W2-W1)	0.2053	0.2039
Test Code	Volume of Solution µL	150.1700	150.1700
SPG-01	Specific Gravity	1.3671	1.3578
Matrix	Specific Gravity (Average)	1.3625	
LIQUID			
Sample #			
STD			
Instrument Code	Gross Weight (W2) = Wt. of vial + cap + cotton + solution		
BA001	Tare Weight (W1) = Wt. of vial + cap + cotton		
Analyst			
RWK	Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]		
Date			
05/30/96	v RESULT v		
Time	Specific Gravity Average =	1.362	
04:15 PM			

Data Entry by:	[signature]	Date:	05/30/96
Approved by:	RW Schroeder	Date:	6/3/96

Form 510112L1 Rev. 1.1

~~WHC-SD-WM-DP-184, REV.~~ 1 DS

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

SPECIFIC GRAVITY : LA-510-112 (C-3)

Type		SAMPLE	REPLICATE
SAMPLE	Gross Weight (W2)	2.0448	
Work List	Tare Weight (W1)	1.8907	
8729	Weight of Solution (W2-W1)	0.1541	0
Test Code	Volume of Solution µL	150.1700	
SPG-01	Specific Gravity	1.0262	NA
Matrix			
LIQUID			
Sample #			
S96R001121			
Instrument Code	Gross Weight (W2) = Wt. of vial + cap + cotton + solution		
BA001	Tare Weight (W1) = Wt. of vial + cap + cotton		
Analyst			
RWK	Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]		
Date			
05/30/96	v RESULT v		
Time	Specific Gravity =	1.026	
04:15 PM			

Data Entry by:	[signature]	Date:	05/30/96
Approved by:	RW Schroeder	Date:	6/3/96

Form 510112L1 Rev. 1.1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

SPECIFIC GRAVITY : LA-510-112 (C-3)

Type		DUPLICATE	REPLICATE
DUPLICATE	Gross Weight (W2)	2.0195	
Work List	Tare Weight (W1)	1.8680	
8729	Weight of Solution (W2-W1)	0.1515	0
Test Code	Volume of Solution µL	150.1700	
SPG-01	Specific Gravity	1.0089	NA
Matrix			
LIQUID			
Sample #			
S96R001121 DUP			
Instrument Code	Gross Weight (W2) = Wt. of vial + cap + cotton + solution		
BA001	Tare Weight (W1) = Wt. of vial + cap + cotton		
Analyst			
RWK	Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]		
Date			
05/30/96	v RESULT v		
Time	Specific Gravity =	1.009	
04:15 PM			

Data Entry by: [signature] Date: 05/30/96

Approved by: RW Schroeder Date: 5/03/96

Form 510112L1 Rev. 1.1

THE FOLLOWING ANALYSES WERE RERUN AND INCLUDED IN THE DATA PACKAGE, BUT THE RESULTS HAVE NOT BEEN REPORTED IN THE FINAL SUMMARY REPORTS.

LABCORE Data Entry Template for Worklist# 6606

Analyst: ABD **Instrument:** BA001 **Book #** 133N16-A

Method: LA-510-112 Rev/Mod C-3

Worklist Comment: AN107,U105,& U107 SPG. RCJ

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD				SPG-01	LIQUID	1.3976	1.437	N/A	Sp.G.
96000108	AN-107 GRAB	2 SAMPLE	S96T000722	0		SPG-01	LIQUID	N/A	.979	0.01	Sp.G.
96000108	AN-107 GRAB	3 DUP	S96T000722	0		SPG-01	LIQUID	.979	1.028	N/A	Sp.G.
96000092	U-105 (R)	4 SAMPLE	S96T001018	0		SPG-01	LIQUID	N/A	.990	0.01	Sp.G.
96000092	U-105 (R)	5 DUP	S96T001018	0		SPG-01	LIQUID	.990	.987	N/A	Sp.G.
96000126	U-107	6 SAMPLE	S96T001106	0		SPG-01	LIQUID	N/A	1.000	0.01	Sp.G.
96000126	U-107	7 DUP	S96T001106	0		SPG-01	LIQUID	1.000	~~9.82~~	0.982 RWS 4-1-96 N/A	Sp.G.
96000126	U-107	8 SAMPLE	S96T001108	0		SPG-01	LIQUID	N/A	1.047	0.01	Sp.G.
96000126	U-107	9 DUP	S96T001108	0		SPG-01	LIQUID	1.047	1.064	N/A	Sp.G.
96000126	U-107	10 SAMPLE	S96T001109	0		SPG-01	LIQUID	N/A	1.058	0.01	Sp.G.
96000126	U-107	11 DUP	S96T001109	0		SPG-01	LIQUID	1.058	1.066	N/A	Sp.G.

Final page for worklist # 6606

Anthony Puente 3-28-96
Analyst Signature **Date**

RH 3/29/96
Analyst Signature **Date**

~~12630~~
12631

DATA NOT USED IN PACKAGE

Reviewed & rejected
RW Schroeder
4-1-96

Data Entry Comments:

Results rejected due to batch LCS failure.
RWS 4-1-96

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.

STD

0.0005 g

1.8648 g

2.0097 g

.1449 103.5%

1.8836 g

2.0265 g 102.1%

.1429

S96T000722 SAm

1.8771 g

1.9751 g

0.0980

S96T000722 Dup

1.9070 g

2.0049 g

0.0979

CAL ... END

S96T001018 SAm

1.8840 g

1.9831 g

0.0991

S96T001018 Dup

1.9091 g

2.0079 g

0.0988

S96T001106 SAm

[illegible] g

[illegible] g

0.1001

S96T001106 Dup

[illegible] g

[illegible] g

0.0983

S96T001108 SAm

[illegible] g

[illegible] g

0.1048

S96T001108 Dup

[illegible] g

[illegible] g

0.1065

S96T001109 SAm

[illegible] g

[illegible] g

0.1059

S96T001109 Dup

[illegible] g

[illegible] g

0.1067

WHC-SD-WM-DP-184, REV. 1

[illegible]LE COPY

DATA NOT USED IN PACKAGE

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

SPECIFIC GRAVITY : LA-510-112 (C-3)

		STANDARD	STANDARD
STANDARD	Gross Weight (W2)	2.0097	2.0265
	Tare Weight (W1)	1.8648	1.8836
6606	Weight of Solution (W2-W1)	0.1449	0.1429
	Volume of Solution µL	100.1200	100.1200
SPG-01	Specific Gravity	1.4473	1.4273
	Specific Gravity (Average)	1.4373	
LIQUID			
STD/133N16A			

Gross Weight (W2) = Wt. of vial + cap + cotton + solution

Tare Weight (W1) = Wt. of vial + cap + cotton

ANTHONY PURINTON

Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]

03/28/96

v RESULT v

Specific Gravity Average = 1.437

DATA NOT USED IN PACKAGE

Data Entry by:		Date:	03/29/96
Approved by:		Date:	

Form 510112L1 Rev. 1.1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

SPECIFIC GRAVITY : LA-510-112 (C-3)

		SAMPLE	REPLICATE
SAMPLE	Gross Weight (W2)	1.9751	
	Tare Weight (W1)	1.8771	
6606	Weight of Solution (W2-W1)	0.098	0
	Volume of Solution µL	100.1200	
SPG-01	Specific Gravity	0.9788	NA

LIQUID

S96T000722

Gross Weight (W2) = Wt. of vial + cap + cotton + solution

Tare Weight (W1) = Wt. of vial + cap + cotton

ANTHONY PURINTON

Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]

03/28/96

v RESULT v

Specific Gravity =	0.979

DATA NOT USED IN PACKAGE

Data Entry by:		Date:	03/29/96
Approved by:		Date:	

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. /

SPECIFIC GRAVITY : LA-510-112 (C-3)

		SAMPLE/DUP	REPLICATE
SAMPLE/DUP	Gross Weight (W2)	2.0049	
[redacted]	Tare Weight (W1)	1.9020	
6606	Weight of Solution (W2-W1)	0.1029	0
[redacted]	Volume of Solution µL	100.1200	
SPG-01	Specific Gravity	1.0278	NA
[redacted]			
LIQUID			
[redacted]			
S96T000722			
[redacted]	Gross Weight (W2) = Wt. of vial + cap + cotton + solution		
	Tare Weight (W1) = Wt. of vial + cap + cotton		
[redacted]			
ANTHONY PURINTON	Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]		
[redacted]			
03/28/96	v RESULT v		
[redacted]	Specific Gravity =	1.028	

DATA NOT USED IN PACKAGE

Data Entry by:		Date:	03/29/96
Approved by:		Date:	

Form 510112L1 Rev. 1.1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

SPECIFIC GRAVITY : LA-510-112 (C-3)

		SAMPLE	REPLICATE
SAMPLE	Gross Weight (W2)	1.9831	
	Tare Weight (W1)	1.8840	
6606	Weight of Solution (W2-W1)	0.0991	0
	Volume of Solution µL	100.1200	
SPG-01	Specific Gravity	0.9898	NA

LIQUID

S96T001018

Gross Weight (W2) = Wt. of vial + cap + cotton + solution

Tare Weight (W1) = Wt. of vial + cap + cotton

ANTHONY PURINTON

Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]

03/28/96

v RESULT v

Specific Gravity = 0.990

DATA NOT USED IN PACKAGE

Data Entry by:		Date:	03/29/96
Approved by:		Date:	

Form 510112L1 Rev. 1.1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. I

SPECIFIC GRAVITY : LA-510-112 (C-3)

		SAMPLE/DUP	REPLICATE
SAMPLE/DUP	Gross Weight (W2)	2.0079	
Weight	Tare Weight (W1)	1.9091	
6606	Weight of Solution (W2-W1)	0.0988	0
Ref.	Volume of Solution µL	100.1200	
SPG-01	Specific Gravity	0.9868	NA
Matrix			
LIQUID			
Sample			
S96T001018			
Instrument Serial	Gross Weight (W2) = Wt. of vial + cap + cotton + solution		
	Tare Weight (W1) = Wt. of vial + cap + cotton		
Analyst			
ANTHONY PURINTON	Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]		
Analysis Date			
03/28/96	v RESULT v		
Time	Specific Gravity =	0.987	

DATA NOT USED IN PACKAGE

Data Entry by:		Date:	03/29/96
Approved by:		Date:	

Form 510112L1 Rev. 1.1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

SPECIFIC GRAVITY : LA-510-112 (C-3)

		SAMPLE	REPLICATE
SAMPLE	Gross Weight (W2)	1.9809	
	Tare Weight (W1)	1.8808	
6606	Weight of Solution (W2-W1)	0.1001	0
	Volume of Solution µL	100.1200	
SPG-01	Specific Gravity	0.9998	NA

LIQUID

S96T001106

Gross Weight (W2) = Wt. of vial + cap + cotton + solution

Tare Weight (W1) = Wt. of vial + cap + cotton

ANTHONY PURINTON

Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]

03/28/96

v RESULT v

Specific Gravity =	1.000

DATA NOT USED IN PACKAGE

Data Entry by:		Date:	03/29/96
Approved by:		Date:	

Form 510112L1 Rev. 1.1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

SPECIFIC GRAVITY : LA-510-112 (C-3)

		SAMPLE/DUP	REPLICATE
SAMPLE/DUP	Gross Weight (W2)	1.8908	
Weight	Tare Weight (W1)	1.7925	
6606	Weight of Solution (W2-W1)	0.0983	0
Test	Volume of Solution µL	100.1200	
SPG-01	Specific Gravity	0.9818	NA
Matrix			
LIQUID			
Sample			
S96T001106			
Instrument	Gross Weight (W2) = Wt. of vial + cap + cotton + solution		
	Tare Weight (W1) = Wt. of vial + cap + cotton		
Analyst			
ANTHONY PURINTON	Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]		
Date			
03/28/96	v RESULT v		
Time	Specific Gravity =	0.982	

DATA NOT USED IN PACKAGE

Data Entry by:		Date:	03/29/96
Approved by:		Date:	

Form 510112L1 Rev. 1.1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

SPECIFIC GRAVITY : LA-510-112 (C-3)

		SAMPLE	REPLICATE
SAMPLE	Gross Weight (W2)	1.9392	
	Tare Weight (W1)	1.8344	
6606	Weight of Solution (W2-W1)	0.1048	0
	Volume of Solution µL	100.1200	
SPG-01	Specific Gravity	1.0467	NA

LIQUID

S96T001108

Gross Weight (W2) = Wt. of vial + cap + cotton + solution

Tare Weight (W1) = Wt. of vial + cap + cotton

ANTHONY PURINTON

Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]

03/28/96

v RESULT v

Specific Gravity = 1.047

DATA NOT USED IN PACKAGE

Data Entry by:		Date:	03/29/96
Approved by:		Date:	

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

SPECIFIC GRAVITY : LA-510-112 (C-3)

		SAMPLE/DUP	REPLICATE
SAMPLE/DUP	Gross Weight (W2)	2.0341	
	Tare Weight (W1)	1.9276	
6606	Weight of Solution (W2-W1)	0.1065	0
	Volume of Solution µL	100.1200	
SPG-01	Specific Gravity	1.0637	NA

LIQUID

S96T001108

Gross Weight (W2) = Wt. of vial + cap + cotton + solution

Tare Weight (W1) = Wt. of vial + cap + cotton

ANTHONY PURINTON

Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]

03/28/96

v RESULT v

Specific Gravity =	1.064

DATA NOT USED IN PACKAGE

Data Entry by:		Date:	03/29/96
Approved by:		Date:	

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

SPECIFIC GRAVITY : LA-510-112 (C-3)

		SAMPLE	REPLICATE
SAMPLE	Gross Weight (W2)	2.0274	
	Tare Weight (W1)	1.9215	
6606	Weight of Solution (W2-W1)	0.1059	0
	Volume of Solution µL	100.1200	
SPG-01	Specific Gravity	1.0577	NA

LIQUID

S96T001109

Gross Weight (W2) = Wt. of vial + cap + cotton + solution

Tare Weight (W1) = Wt. of vial + cap + cotton

ANTHONY PURINTON

Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1000 g/mL]

03/28/96

v RESULT v

Specific Gravity =	1.058

DATA NOT USED IN PACKAGE

Data Entry by:		Date:	03/29/96
Approved by:		Date:	

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV.

SPECIFIC GRAVITY : LA-510-112 (C-3)

		SAMPLE/DUP	REPLICATE
SAMPLE/DUP	Gross Weight (W2)	2.0240	
	Tare Weight (W1)	1.9173	
6606	Weight of Solution (W2-W1)	0.1067	0
	Volume of Solution µL	100.1200	
SPG-01	Specific Gravity	1.0657	NA

LIQUID

S96T001109

Gross Weight (W2) = Wt. of vial + cap + cotton + solution
Tare Weight (W1) = Wt. of vial + cap + cotton

ANTHONY PURINTON

Specific Gravity = [(W2-W1) * 1000 µL/mL] / [Vol. of Solution µL * 1.000 g/mL]

03/28/96

v RESULT v

Specific Gravity =	1.066

DATA NOT USED IN PACKAGE

Data Entry by:		Date:	03/29/96
Approved by:		Date:	

WHC QCHISTORY TABLE EDIT SCREEN

Sample# Assc Y Sample ID
Group# Customer
Worklist# 6606 WL Comment AN107,U105,& U107 SPG. RCJ

Test	Matrx	Type	Actual	Found	Yield	STAT	AnalDate	User
SPG-01	LIQUI	STD	1.3976	1.437	102.8191	NEW	03/28/96 0852	adp
SPG-01	LIQUI	DUP	.979	1.028	4.8829	NEW	03/28/96 0852	adp
SPG-01	LIQUI	DUP	.990	.987	0.3035	NEW	03/28/96 0852	adp
SPG-01	LIQUI	DUP	1.000	9.82	163.0314	NEW	03/28/96 0852	adp
SPG-01	LIQUI	DUP	1.047	1.064	1.6106	NEW	03/28/96 0852	adp
SPG-01	LIQUI	DUP	1.058	1.066	0.7533	NEW	03/28/96 0852	adp

Save(F12) End(F3)

Incorrect
RW Schroeder 4-1-96

DATA NOT USED IN [illegible]

WHC QCHISTORY TABLE EDIT SCREEN

Sample# Assc Y Sample ID
Group# Customer
Worklist# 6606 WL Comment AN107,U105,& U107 SPG. RCJ

Test	Matrx	Type	Actual	Found	Yield	STAT	AnalDate	User
SPG-01	LIQUI	STD	1.3976	1.437	102.8191	NEW	03/28/96 0852	adp
SPG-01	LIQUI	DUP	.979	1.028	4.8829	NEW	03/28/96 0852	adp
SPG-01	LIQUI	DUP	.990	.987	0.3035	NEW	03/28/96 0852	adp
SPG-01	LIQUI	DUP	1.000	.982	1.8163	NEW	03/28/96 0852	adp
SPG-01	LIQUI	DUP	1.047	1.064	1.6106	NEW	03/28/96 0852	adp
SPG-01	LIQUI	DUP	1.058	1.066	0.7533	NEW	03/28/96 0852	adp

Save(F12) End(F3)

Correct
RWS
4-1-96

RWS
4-1-96

DATA NOT USED IN PACKAGE

LABCORE Data Entry Template for Worklist# 6687

Analyst: R. G **Instrument:** PH01 _____ **Book #** 79 N8

Method: LA-211-102 Rev/Mod C-0

Worklist Comment: U-107 FOR OH- RTS!

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK				OH-01	LIQUID	1	<42 ~~<2500~~	RWS 4/16/96 N/A	ug/mL
		2	STD				OH-01	LIQUID	16640	1.60E04	N/A	ug/mL
96000085	U-107	3	SAMPLE	S96T000665	0		OH-01	LIQUID	N/A	2.75E04	2.50E03	ug/mL
96000085	U-107	4	DUP	S96T000665	0		OH-01	LIQUID	2.75E04	2.91E04	N/A	ug/mL
96000085	U-107	5	SAMPLE	S96T000682	0		OH-01	LIQUID	N/A	2.50E04	2.50E03	ug/mL
96000085	U-107	6	DUP	S96T000682	0		OH-01	LIQUID	2.50E04	2.47E04	N/A	ug/mL

Final page for worklist # 6687

Rae Ann Green 4-15-96
Analyst Signature Date
Rae Ann Green 4-16-96

[signature] 4-16-96
Analyst Signature Date

Reviewed & edited
RW Schroeder 4/16/96

Data Entry Comments: .2005 M HNO_3 Titrant

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.

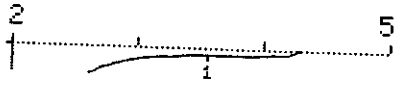
PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

```
calibration data
date     96-04-16
pH(S) 1      7.00
pH(S) 2     10.00
t.cal.       24.0 °C
slope(rel)   .977
U(as)      -12.5 mV
electr. input  1
        ========
```

Blank

```
date 96-04-16 time 21:16
GET pH          12  #  301
Id.#1     0000000
Id.#2       .2005
pH(init)     4.29
            V/ml          pH
EP1         .011        3.55
stop volt.reached
        ========

date 96-04-16 time 21:17
GET pH          12  #  301
.10ml/div        ΔpH=1/div
start V    .000 ml
```



OH (AUTO) : LA-211-102 (C-0)

		Blank
Type	Sample Size (mL) SS	3.000
Blank	Concentration of HNO3 (Molarity)	0.2005
WorkList	HNO3 Titrant at OH end-point in mL	0.000
6687	Dilution Factor DF	1
Test Code	Concentration of OH in Sample (Molarity)	0.00E+00
OH-01	OH in Sample in µg/mL (PPM)	0.00E+00
Matrix		
Liquid		
Sample #	Detection Limit = 125µg / SS * DF	
BLNK		
Instrument Code	Detection Limit (µg/mL)	4.17E+01
Analyst	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size in mL*Dilution Factor	
RAGreen		
Date	OH in µg/mL = (OH MOLARITY)*(17.0g/mole)*((1000000µg/g)/(1000mL/L))	
04/16/96		
Time		Blank
	Concentration of OH in Sample (Molarity)	0.00E+00
	OH in Sample in µg/mL (PPM)	<42

The Result is < Detection Limit

Data Entry by:	RWS	Date:	04/16/96
Approved by:	R.W. Schroeder	Date:	4/16/96

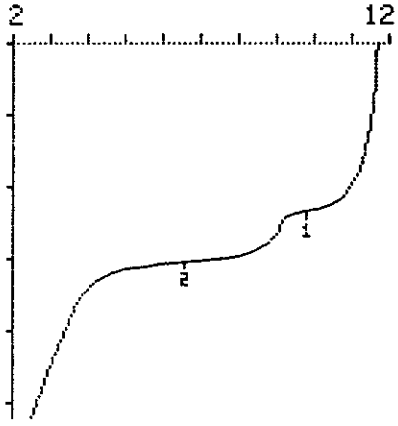
Form 211102_1 Rev. 1.3

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

STD .050ml

```
date 96-04-16 time 21:29
GET pH          12  #  303
Id.#1     0000000
Id.#2       .2005
pH(init)    11.67
            V/ml          pH
EP1         .234        9.82
EP2         .304        6.59
stop volt.reached
========
```

```
date 96-04-16 time 21:35
GET pH          12  #  303
.10ml/div       dpH=1/div
start V    .000 ml
```



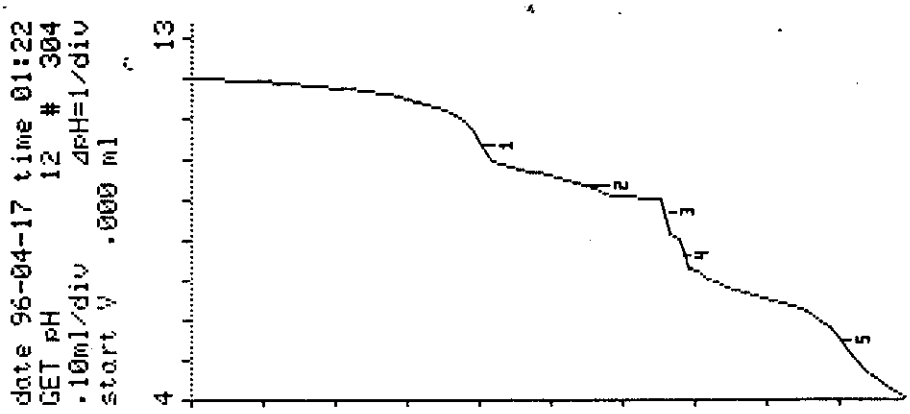
OH (AUTO) : LA-211-102 (C-0)

		STANDARD
Type	Sample Size (mL) SS	0.050
STANDARD	Concentration of HNO3 (Molarity)	0.2005
WorkList	HNO3 Titrant at OH end-point in mL	0.234
6687	Dilution Factor DF	1
TestCode	Concentration of OH in Sample (Molarity)	9.38E-01
OH-01	OH in Sample in µg/mL (PPM)	1.60E+04
Matrix		
LIQUID		
Sample#		
79N8		
Instrument Code		
Analyst	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size in mL*Dilution Factor	
RAG		
Date	OH in µg/mL = (OH MOLARITY)*(17.0g/mole)*((1000000µg/g)/(1000mL/L))	
04/15/96		
Time		STANDARD
03:15 AM	Concentration of OH in Sample (Molarity)	9.38E-01
	OH in Sample in µg/mL (PPM)	1.60E+04

Data Entry by:		Date:	04/16/96
Approved by:	RW Schneider	Date:	4/16/96

Form 211102_1 Rev. 1.3

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER




```
date 96-04-17 time 01:22
GET pH          12  #  304
Id.#1       000665
Id.#2        .2005
pH(init)     11.99
             V/ml          pH
EP1          .404       10.31
EP2          .545        9.35
EP3          .661        8.67
EP4          .683        7.63
EP5          .902        5.44
stop V reached
```

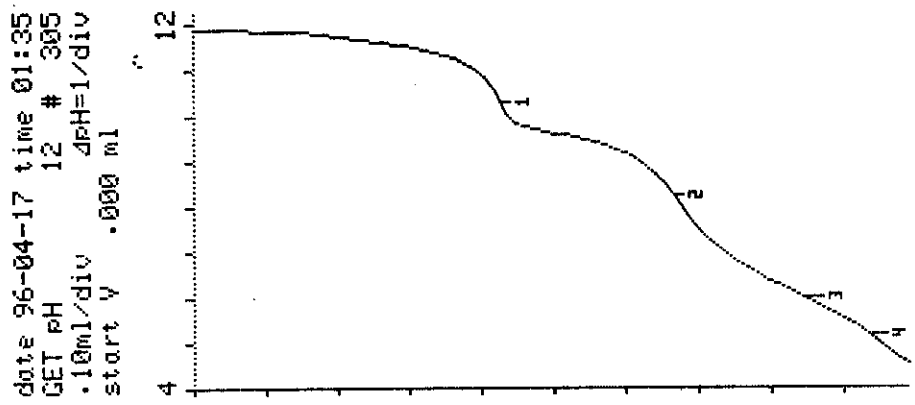
OH (AUTO) : LA-211-102 (C-0)

		SAMPLE
[redacted]	Sample Size (mL) SS	0.050
SAMPLE	Concentration of HNO3 (Molarity)	0.2005
[redacted]	HNO3 Titrant at OH end-point in mL	0.404
6687	Dilution Factor DF	1
[redacted]	Concentration of OH in Sample (Molarity)	1.62E+00
OH-01	OH in Sample in µg/mL (PPM)	2.75E+04
[redacted]		
LIQUID		
[redacted]	Detection Limit = 125µg / SS * DF	
S96T000665		
[redacted]	Detection Limit (µg/mL)	2.50E+03
[redacted]	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size in mL*Dilution Factor	
RAG		
[redacted]	OH in µg/mL = (OH MOLARITY)*(17.0g/mole)*((1000000µg/g)/(1000mL/L))	
04/15/96		
[redacted]		SAMPLE
03:15 AM	Concentration of OH in Sample (Molarity)	1.62E+00
	OH in Sample in µg/mL (PPM)	2.75E+04

Data Entry by:	[signature]	Date:	04/16/96
Approved by:	RW Schneider	Date:	4/16/96

Form 211102_1 Rev. 1.3

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER




```
date 96-04-17 time 01:35
GET pH          12  #  305
Id.#1       000665
Id.#2        .2005
pH(init)     11.86
             V/ml          pH
EP1          .427       10.27
EP2          .667        8.24
EP3          .842        6.02
EP4          .937        5.16
stop V reached
         ========
```

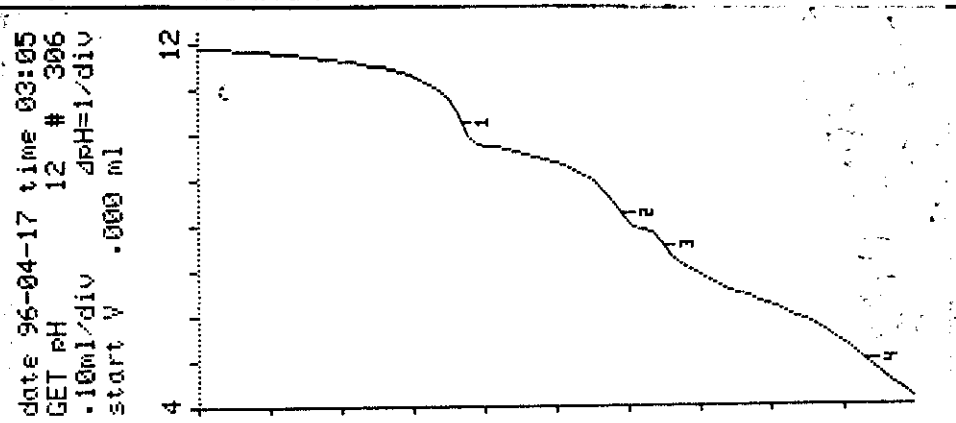
OH (AUTO) : LA-211-102 (C-0)

		DUPLICATE
Type	Sample Size (mL) SS	0.050
DUPLICATE	Concentration of HNO3 (Molarity)	0.2005
WorkList	HNO3 Titrant at OH end-point in mL	0.427
6687	Dilution Factor DF	1
TestCode	Concentration of OH in Sample (Molarity)	1.71E+00
OH-01	OH in Sample in µg/mL (PPM)	2.91E+04
Matrix		
LIQUID		
Sample #	Detection Limit = 125µg / SS * DF	
S96T000665DUP		
Instrument Code	Detection Limit (µg/mL)	2.50E+03
Analyst	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size in mL*Dilution Factor	
RAG		
Date	OH in µg/mL = (OH MOLARITY)*(17.0g/mole)*((1000000µg/g)/(1000mL/L))	
04/15/96		
Time		DUPLICATE
03:15 AM	Concentration of OH in Sample (Molarity)	1.71E+00
	OH in Sample in µg/mL (PPM)	2.91E+04

Data Entry by:	RJ	Date:	04/16/96
Approved by:	RW Schroeder	Date:	4/16/96

Form 211102_1 Rev. 1.3

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER




```
date 96-04-17 time 01:49
GET pH          12  #  306
Id.#1       000682
Id.#2        .2005
pH(init)     11.87
             V/ml          pH
EP1          .367       10.24
EP2          .590        8.22
EP3          .647        7.55
EP4          .929        4.99
stop V reached
         ========
```

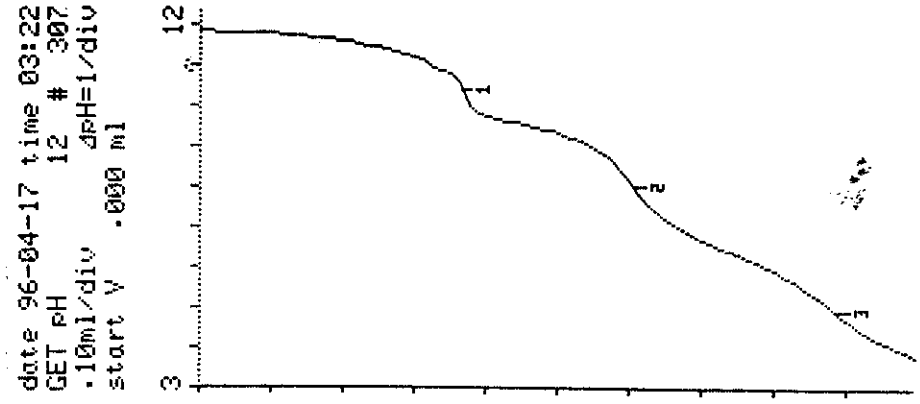
OH (AUTO) : LA-211-102 (C-0)

		SAMPLE
Type	Sample Size (mL) SS	0.050
SAMPLE	Concentration of HNO3 (Molarity)	0.2005
Work List	HNO3 Titrant at OH end-point in mL	0.367
6687	Dilution Factor DF	1
Test Code	Concentration of OH in Sample (Molarity)	1.47E+00
OH-01	OH in Sample in µg/mL (PPM)	2.50E+04
Matrix		
LIQUID		
Sample #	Detection Limit = 125µg / SS * DF	
S96T000682		
Department Code	Detection Limit (µg/mL)	2.50E+03
Analyst	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size in mL*Dilution Factor	
RAG		
Date	OH in µg/mL = (OH MOLARITY)*(17.0g/mole)*((1000000µg/g)/(1000mL/L))	
04/15/96		
Time		SAMPLE
03:15 AM	Concentration of OH in Sample (Molarity)	1.47E+00
	OH in Sample in µg/mL (PPM)	2.50E+04

Data Entry by:	[illegible]	Date:	04/16/96
Approved by:	RW Schroeder	Date:	4/16/96

Form 211102_1 Rev. 1.3

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER




```
date 96-04-17 time 03:17
GET pH      12  #  307
Id.#1      000682
Id.#2       .2005
pH(init)    11.81
           V/ml        pH
EP1        .363     10.40
EP2        .604      7.98
EP3        .881      4.95
stop V reached
        ========
```

OH (AUTO) : LA-211-102 (C-0)

		DUPLICATE
Type	Sample Size (mL) SS	0.050
DUPLICATE	Concentration of HNO3 (Molarity)	0.2005
Work List	HNO3 Titrant at OH end-point in mL	0.363
6687	Dilution Factor DF	1
Test Code	Concentration of OH in Sample (Molarity)	1.46E+00
OH-01	OH in Sample in µg/mL (PPM)	2.47E+04
Matrix		
LIQUID		
Sample #	Detection Limit = 125µg / SS * DF	
S96T000682DUP		
Instrument Code	Detection Limit (µg/mL)	2.50E+03
Analyst	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size in mL*Dilution Factor	
RAG		
Date	OH in µg/mL = (OH MOLARITY)*(17.0g/mole)*((1000000µg/g)/(1000mL/L))	
04/15/96		
Time		DUPLICATE
03:15 AM	Concentration of OH in Sample (Molarity)	1.46E+00
	OH in Sample in µg/mL (PPM)	2.47E+04

Data Entry by:	[signature]	Date:	04/16/96
Approved by:	RW Schroeder	Date:	4/16/96

Form 211102_1 Rev. 1.3

LABCORE Data Entry Template for Worklist# 7581

Analyst: RY **Instrument:** PH01 _____ **Book #** 79N8

Method: LA-211-102 Rev/Mod C-0

Worklist Comment: U-107 OH'S RUN IN DUPLICATE. RCJ

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK				OH-01	LIQUID	1	<42	N/A	ug/mL
		2	STD				OH-01	LIQUID	1.66e4	1.60e4	N/A	ug/mL
96000126	U-107	3	SAMPLE	S96T001110	0		OH-01	LIQUID	N/A	<625 ~~3.58e2~~ NW 4/15/96	6.25e2	ug/mL
96000126	U-107	4	DUP	S96T001110	0		OH-01	LIQUID	<625	N/A	N/A	ug/mL
96000126	U-107	5	SAMPLE	S96T001119	0		OH-01	LIQUID	N/A	2.59e4	1.25e3	ug/mL
96000126	U-107	6	DUP	S96T001119	0		OH-01	LIQUID	2.59e4	2.56e4	N/A	ug/mL
96000126	U-107	7	SAMPLE	S96T001120	0		OH-01	LIQUID	N/A	~~5.76e3~~ 6.14e3 RWS 4/16/96	1.25e3	ug/mL
96000126	U-107	8	DUP	S96T001120	0		OH-01	LIQUID	~~5.76e3~~ 6.14e3 RWS 4/16/96	6.24e3	N/A	ug/mL
96000126	U-107	9	SAMPLE	S96T001121	0		OH-01	LIQUID	N/A	4.60e3	1.25e3	ug/mL
96000126	U-107	10	DUP	S96T001121	0		OH-01	LIQUID	4.60e3	4.43e3	N/A	ug/ml

Final page for worklist # 7581

Rae Ann Green 4-14-96
Analyst Signature **Date**

RC Wright 4/15/96
Analyst Signature **Date**

Reviewed & Edited RW Schroeder 4/16/96

.2005 M HNO_3 Titrant

Data Entry Comments:
Sample # S96T001110 used all sample in process
used max sample size available of .200ml - unable to run duplicate

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.

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

OH Blank

```
date 96-04-~~15~~ 14 time 20:51
GET pH                 12  #  278
Id.#1 RG 4-14-96 ~~0067~~ 0000
Id.#2          .2005
pH(init)        5.75
              V/ml          pH
EP1           .006        4.71
stop volt.reached
        ========
```

calibration

```
calibration data
date      96-04-15
pH(S) 1       7.00
pH(S) 2      10.00
t.cal.        24.0  °C
slope(rel)    .988
U(as)         -5.4  mV
electr. input   1
        ========
```

BEST AVAILABLE COPY

OH (AUTO) : LA-211-102 (C-0)

		BLANK
Type	Sample Size (mL) SS	3.000
BLANK	Concentration of HNO3 (Molarity)	0.2005
Work List	HNO3 Titrant at OH end-point in mL	0.006
7581	Dilution Factor DF	1
Test Code	Concentration of OH in Sample (Molarity)	4.01E-04
OH-01	OH in Sample in µg/mL (PPM)	6.82E+00
Matrix		
LIQUID		
Sample #	Detection Limit = 125µg / SS * DF	
79N8		
Instrument Code	Detection Limit (µg/mL)	4.17E+01
Analyst	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size in mL*Dilution Factor	
RA GREEN		
Date	OH in µg/mL = (OH MOLARITY)*(17.0g/mole)*((1000000µg/g)/(1000mL/L))	
04/14/96		
Time		BLANK
	Concentration of OH in Sample (Molarity)	4.01E-04
	OH in Sample in µg/mL (PPM)	<42

The Result is < Detection Limit

Data Entry by:	[signature]	Date:	04/15/96
Approved by:	RW Schroeder	Date:	4/16/96

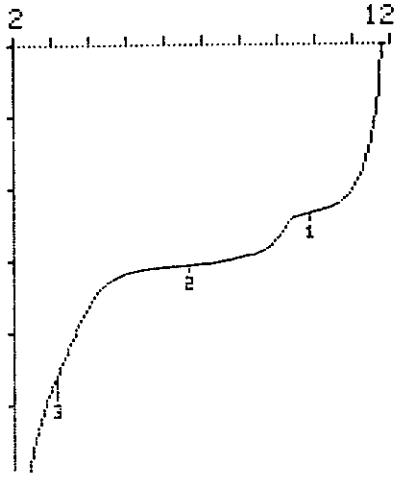
Form 211102_1 Rev. 1.3

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

STD

```
date 96-04-15 time 22:46
GET pH          12  #  283
Id.#1       000000
Id.#2        .2005
pH(init)     11.75
             V/ml          pH
EP1          .234        9.85
EP2          .307        6.63
EP3          .456        3.17
stop volt.reached
        ========
```

```
date 96-04-15 time 23:01
GET pH          12  #  283
.10ml/div       ΔpH=1/div
start V    .000 ml
```



BEST AVAILABLE COPY

OH (AUTO) : LA-211-102 (C-0)

		STANDARD
Type	Sample Size (mL) SS	0.050
STANDARD	Concentration of HNO3 (Molarity)	0.2005
Work List	HNO3 Titrant at OH end-point in mL	0.234
7581	Dilution Factor DF	1
Test Code	Concentration of OH in Sample (Molarity)	9.38E-01
OH-01	OH in Sample in µg/mL (PPM)	1.60E+04
Matrix		
LIQUID		
Sample #		
79N8		
Instrument Code		
Analyst	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size in mL*Dilution Factor	
RA GREEN		
Date	OH in µg/mL = (OH MOLARITY)*(17.0g/mole)*((1000000µg/g)/(1000mL/L))	
04/14/96		
Time		STANDARD
	Concentration of OH in Sample (Molarity)	9.38E-01
	OH in Sample in µg/mL (PPM)	1.60E+04

Data Entry by:	RE Wright	Date:	04/15/96
Approved by:	RW Schroeder	Date:	4/16/96

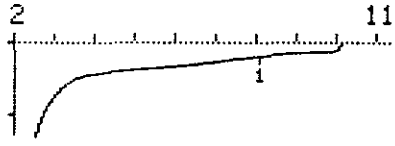
Form 211102_1 Rev. 1.3

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

.200ml
S96T00110
Sample

```
date 96-04-15 time 23:28
GET pH          12  #  285
Id.#1     0000110
Id.#2       .2005
pH(init)    10.13
           V/ml          pH
EP1        .021        8.04
stop volt.reached
========
```

```
date 96-04-15 time 23:28
GET pH          12  #  285
.10ml/div       dpH=1/div
start V    .000 ml
```



BEST AVAILABLE COPY

OH (AUTO) : LA-211-102 (C-0)

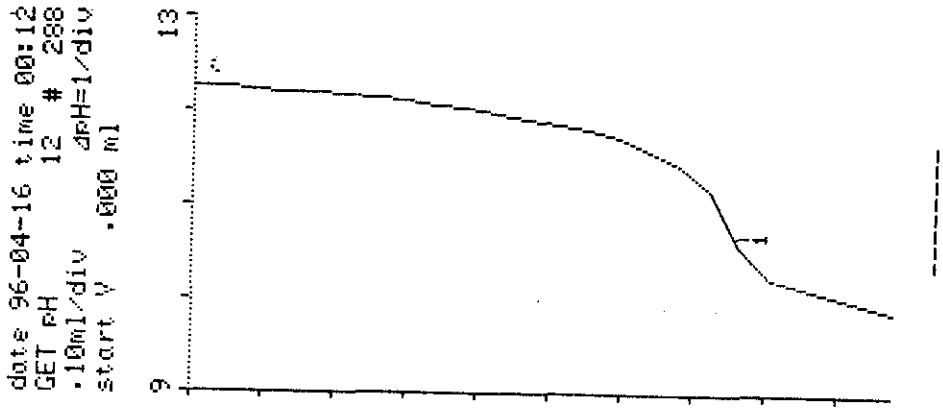
		SAMPLE
Type	Sample Size (mL) SS	0.200
SAMPLE	Concentration of HNO3 (Molarity)	0.2005
Work List	HNO3 Titrant at OH end-point in mL	0.021
7581	Dilution Factor DF	1
Test Code	Concentration of OH in Sample (Molarity)	2.11E-02
OH-01	OH in Sample in µg/mL (PPM)	3.58E+02
Matrix		
LIQUID		
Sample #	Detection Limit = 125µg / SS * DF	
S96T001110		
Instrument Code	Detection Limit (µg/mL)	6.25E+02
Analyst	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size in mL*Dilution Factor	
RA GREEN		
Date	OH in µg/mL = (OH MOLARITY)*(17.0g/mole)*((1000000µg/g)/(1000mL/L))	
04/14/96		
Time		SAMPLE
	Concentration of OH in Sample (Molarity)	2.11E-02
	OH in Sample in µg/mL (PPM)	<625

The Result is < Detection Limit

Data Entry by:	NC Wright	Date:	04/15/96
Approved by:	RW Edwards	Date:	4/16/96

Form 211102_1 Rev. 1.3

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER



date 96-04-16 time 00:05
GET pH 12 # 288
Id.#1 ~~0000110~~ 119 RJ 4/15/96
Id.#2 .2005
pH(init) 12.25
V/ml pH
EP1 .759 10.68
stop V reached
========

BEST AVAILABLE COPY

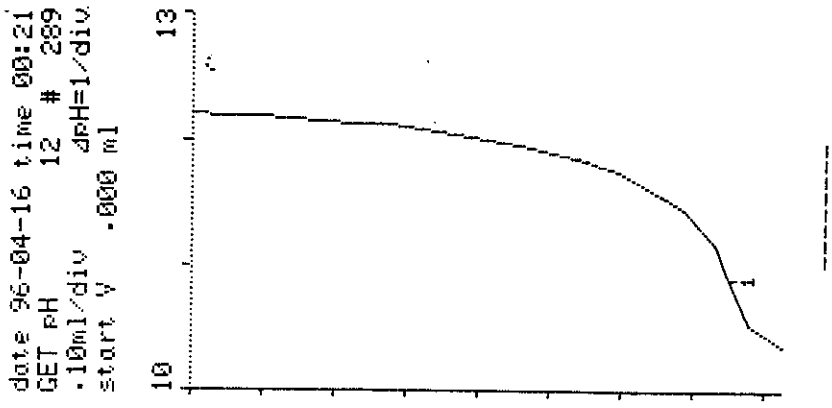
OH (AUTO) : LA-211-102 (C-0)

		SAMPLE
Type	Sample Size (mL) SS	0.100
SAMPLE	Concentration of HNO3 (Molarity)	0.2005
Work List	HNO3 Titrant at OH end-point in mL	0.759
7581	Dilution Factor DF	1
Test Code	Concentration of OH in Sample (Molarity)	1.52E+00
OH-01	OH in Sample in µg/mL (PPM)	2.59E+04
Matrix		
LIQUID		
Sample #	Detection Limit = 125µg / SS * DF	
S96T001119		
Instrument Code	Detection Limit (µg/mL)	1.25E+03
Analyst	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size in mL*Dilution Factor	
RA GREEN		
Date	OH in µg/mL = (OH MOLARITY)*(17.0g/mole)*((1000000µg/g)/(1000mL/L))	
04/14/96		
Time		SAMPLE
	Concentration of OH in Sample (Molarity)	1.52E+00
	OH in Sample in µg/mL (PPM)	2.59E+04

Data Entry by:	[signature]	Date:	[illegible]
Approved by:	RW Schroeder	Date:	4/16/96

Form 211102_1 Rev. 1.3 Page 1 of 1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER




```
date 96-04-16 time 00:20
GET pH          12  #  289
Id.#1      ~~0000110~~ 4-15-96
Id.#2        .2005
pH(init)     12.18
            V/ml        pH
EP1         .750      10.90
stop V reached
        ========
```

BEST AVAILABLE COPY

OH (AUTO) : LA-211-102 (C-0)

		DUPLICATE
Type	Sample Size (mL) SS	0.100
DUPLICATE	Concentration of HNO3 (Molarity)	0.2005
Work List	HNO3 Titrant at OH end-point in mL	0.750
7581	Dilution Factor DF	1
Test Code	Concentration of OH in Sample (Molarity)	1.50E+00
OH-01	OH in Sample in µg/mL (PPM)	2.56E+04
Matrix		
LIQUID		
Sample #	Detection Limit = 125µg / SS * DF	
S96T001119		
Instrument Code	Detection Limit (µg/mL)	[illegible]
Analyst	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size in mL*Dilution Factor	
RA GREEN		
Date	OH in µg/mL = (OH MOLARITY)*(17.0g/mole)*((1000000µg/g)/(1000 mL/L))	
04/14/96		
Time		DUPLICATE
	Concentration of OH in Sample (Molarity)	1.50E+00
	OH in Sample in µg/mL (PPM)	2.50E+04

Data Entry by:	[signature]	Date:	[illegible]
Approved by:	RW Schroeder	Date:	4/16/96

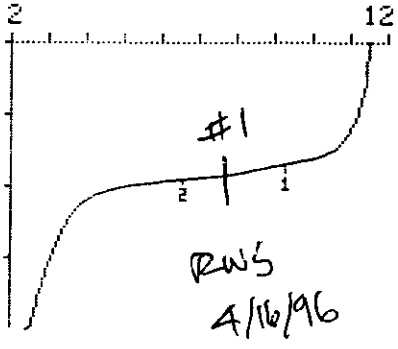
Form 211102_1 Rev. 1.3

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

```
date 96-04-16 time 00:51
GET pH          12  #  291
Id.#1          ~~000119~~ 120
Id.#2          .2005
pH(init)       11.48
               V/ml  .180   8.40
                            pH
EP1            ~~.169~~     ~~9.31~~
EP2            .191         6.56
stop volt.reached
        ========
```

pg 4-15-96

```
date 96-04-16 time 00:55
GET pH          12  #  291
.10ml/div       ΔpH=1/div
start V    .000 ml
```



BEST AVAILABLE COPY

OH (AUTO) : LA-211-102 (C-0)

		Sample
Type	Sample Size (mL) SS	0.100
Sample	Concentration of HNO3 (Molarity)	0.2005
Work List	HNO3 Titrant at OH end-point in mL	0.180
7581	Dilution Factor DF	1
Test Code	Concentration of OH in Sample (Molarity)	3.61E-01
OH-01	OH in Sample in µg/mL (PPM)	6.14E+03
Matrix		
Liquid		
Sample #	Detection Limit = 125µg / SS * DF	
S96T001120		
Instrument Code	Detection Limit (µg/mL)	1.25E+03
Analyst	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size in mL*Dilution Factor	
RA Green		
Date	OH in µg/mL = (OH MOLARITY)*(17.0g/mole)*((1000000µg/g)/(1000mL/L))	
04/14/96		
Time		Sample
	Concentration of OH in Sample (Molarity)	3.61E-01
	OH in Sample in µg/mL (PPM)	6.14E+03

Data Entry by:	RWS	Date:	04/16/96
Approved by:	RW Schroeder	Date:	4/16/96

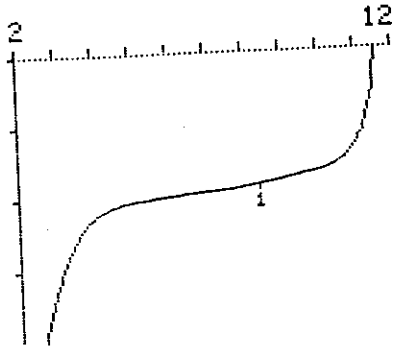
Form 211102_1 Rev. 1.3

Page 1 of 1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

```
date 96-04-16 time 01:02
GET pH          12  #  292
Id.#1       000120
Id.#2        .2005
pH(init)     11.55
            V/ml          pH
EP1         .183        8.40
stop volt.reached
        ========
```

```
date 96-04-16 time 01:03
GET pH          12  #  292
.10ml/div       ΔpH=1/div
start V    .000 ml
```



BEST AVAILABLE COPY

OH (AUTO) : LA-211-102 (C-0)

Type	Sample Size (mL) SS
DUPLICATE	Concentration of HNO3 (Molarity)
Work List	HNO3 Titrant at OH end-point in mL
7581	Dilution Factor DF
Test Code	Concentration of OH in Sample (Molarity)
OH-01	OH in Sample in µg/mL (PPM)
Matrix	
LIQUID	
Sample#	Detection Limit = 125µg / SS * DF
S96T001120	
Instrument Code	Detection Limit (µg/mL)
Analyst	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size in mL
RA GREEN	
Date	OH in µg/mL = (OH MOLARITY*17.0g/mole)*((1000mg
04/14/96	
Time	
	Concentration of OH in Sample (Molarity)
	OH in Sample in µg/mL (PPM)

Data Entry by: [signature]
Approved by: [signature] 4/16/96

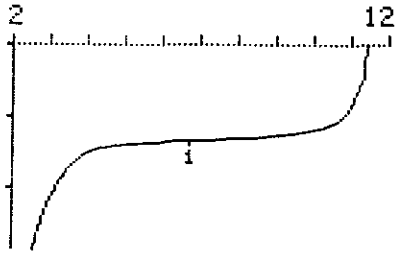
Form 211102_1 Rev. 1.3

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

100 ml
S96T000121

```
date 96-04-16 time 01:11
GET pH          12  #  293
Id.#1       000121
Id.#2        .2005
pH(init)     11.40
            V/ml          pH
EP1         .135        6.68
stop volt.reached
        ========
```

```
date 96-04-16 time 01:11
GET pH          12  #  293
.10ml/div       ΔpH=1/div
start V    .000 ml
```



BEST AVAILABLE COPY

OH (AUTO) : LA-211-102 (C-0)

Type	Sample Size (mL) SS		
SAMPLE	Concentration of HNO3 (Molarity)		
Work List	HNO3 Titrant at OH end-point in mL		
7581	Dilution Factor DF		
Test Code	Concentration of OH in Sample (Molarity)		
OH-01	OH in Sample in µg/mL (PPM)		
Matrix			
LIQUID			
Sample #	Detection Limit = 125µg / SS *		
S96T001121			
Instrument Code	Detection Limit (µg/mL)		
Analyst	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size		
RA GREEN			
Date	OH in µg/mL = (OH MOLARITY * 17.0g/mole)*((100		
04/14/96			
Time			
	Concentration of OH in Sample (Molarity)		
	OH in Sample in µg/mL (PPM)		

Data Entry by: R E Wright Da
Approved by: RW Schroeder Da 4/16/96

Form 211102_1 Rev. 1.3

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

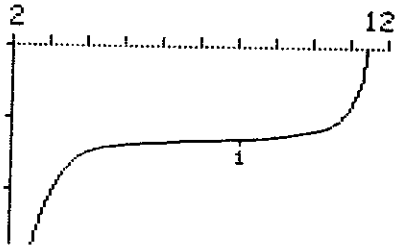
.100ml

S96T000121

Dup

```
date 96-04-16 time 01:17
GET pH          12  #  294
Id.#1       000121
Id.#2        .2005
pH(init)     11.43
            V/ml          pH
EP1         .130        8.06
stop volt.reached
        ========
```

```
date 96-04-16 time 01:18
GET pH          12  #  294
.10ml/div       ΔpH=1/div
start V    .000 ml
```



BEST AVAILABLE COPY

OH (AUTO) : LA-211-102 (C-0)

Type	Sample Size (mL) SS
DUPLICATE	Concentration of HNO3 (Molarity)
Work List	HNO3 Titrant at OH end-point in mL
7581	Dilution Factor DF
Test Code	Concentration of OH in Sample (Molarity)
OH-01	OH in Sample in µg/mL (PPM)
Matrix	
LIQUID	
Sample#	Detection Limit = 125µg / SS * DF
S96T001121	
Instrument Code	Detection Limit (µg/mL)
Analyst	OH Molarity =((mL HNO3)*(Sample Size in
RA GREEN	
Date	OH in µg/mL = (OH MOLARITY ple)*((1000
04/14/96	
Time	
	Concentration of OH in Sample (Molarity)
	OH in Sample in µg/mL (PPM)

Data Entry by: [illegible] Date:
Approved by: RW Schroeder Date: 4/16/96

Form 211102_1 Rev. 1.3

LABCORE Data Entry Template for Worklist# 8426

Analyst: RJ **Instrument:** PH01 **Book #** 79N8

Method: LA-211-102 Rev/Mod C-0

Worklist Comment: U-107 OH. RCJ use 0.050 ml Sample size

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK				OH-01	LIQUID	1	<42 ~~<250~~ e3 RWS 5/24/96	N/A	ug/mL
		2	STD				OH-01	LIQUID	1.66 e4	1.65 e4	N/A	ug/mL
96000422	U-107	3	SAMPLE	S96T002140	0		OH-01	LIQUID	N/A	2.52 e4	2.50 e3	ug/mL
96000422	U-107	4	DUP	S96T002140	0		OH-01	LIQUID	2.52 e4	2.49 e4	N/A	ug/mL
96000422	U-107	5	SAMPLE	S96T002141	0		OH-01	LIQUID	N/A	2.27 e4	2.50 e3	ug/mL
96000422	U-107	6	DUP	S96T002141	0		OH-01	LIQUID	2.27 e4	2.81 e4	N/A	ug/mL
96000422	U-107	7	SAMPLE	S96T002142	0		OH-01	LIQUID	N/A	2.51 e4	2.50 e3	ug/mL
96000422	U-107	8	DUP	S96T002142	0		OH-01	LIQUID	2.51 e4	2.58 e4	N/A	ug/mL

Final page for worklist # 8426

Raylinn Green ~~5-23-96~~ 5-24-96
Analyst Signature **Date**

RJ 5-24-96
Analyst Signature **Date**

14550

Approved RW Schroeder 5/24/96

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.

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

```
date 96-05-23 time 23:53
GET pH          12  #  137
Id.#1        00000
Id.#2        .2005
pH(init)      5.02
            V/ml          pH
EP1         .009        4.08
stop volt.reached
         ========


date 96-05-23 time 23:54
GET pH          12  #  137
.10ml/div        ΔpH=1/div
start V    .000 ml
```

OH (AUTO) : LA-211-102 (C-0)

		BLANK
Type	Sample Size (mL) SS	3.000
BLANK	Concentration of HNO3 (Molarity)	0.2005
Work List	HNO3 Titrant at OH end-point in mL	0.000
8426	Dilution Factor DF	1
Test Code	Concentration of OH in Sample (Molarity)	0.00E+00
OH-01	OH in Sample in µg/mL (PPM)	0.00E+00
Matrix		
Liquid		
Sample #	Detection Limit = 125µg / SS * DF	
BLNK		
Instrument Code	Detection Limit (µg/mL)	4.17E+01
Analyst	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size in mL*Dilution Factor	
RA Green		
Date	OH in µg/mL = (OH MOLARITY)*(17.0g/mole)*((1000000µg/g)/(1000mL/L))	
05/24/96		
Time		BLANK
	Concentration of OH in Sample (Molarity)	0.00E+00
	OH in Sample in µg/mL (PPM)	<42

The Result is < Detection Limit

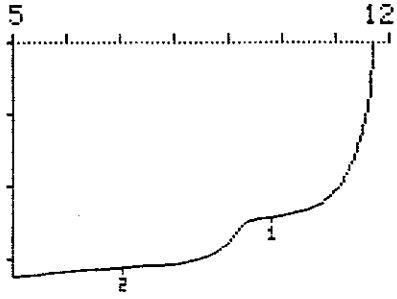
Data Entry by:	RWS	Date:	05/24/96
Approved by:	RW Schroeder	Date:	5/24/96

Form 211102_1 Rev. 1.3 Page 1 of 1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

```
date 96-05-23 time 23:46
GET pH          12  #  133
Id.#1        00000
Id.#2        .2005
pH(init)     11.69
             V/ml          pH
EP1          .242        9.81
EP2          .313        7.05
stop volt.reached
        ========
```

```
date 96-05-23 time 23:46
GET pH          12  #  133
.10ml/div       ΔpH=1/div
start V    .000 ml
```



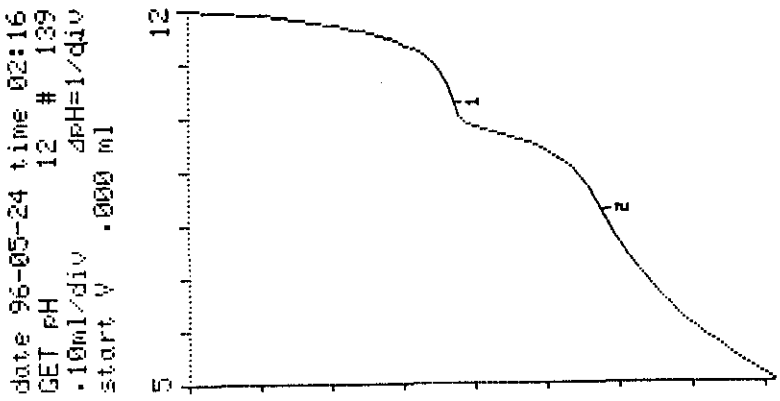
OH (AUTO) : LA-211-102 (C-0)

		STANDARD
Type	Sample Size (mL) SS	0.050
STANDARD	Concentration of HNO3 (Molarity)	0.2005
Work List	HNO3 Titrant at OH end-point in mL	0.242
8426	Dilution Factor DF	1
Test Code	Concentration of OH in Sample (Molarity)	9.70E-01
OH-01	OH in Sample in µg/mL (PPM)	1.65E+04
Matrix		
LIQUID		
Sample #		
STD		
Instrument Code		
PH-01		
Analyst	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size in mL*Dilution Factor	
rag		
Date	OH in µg/mL = (OH MOLARITY)*(17.0g/mole)*((1000000µg/g)/(1000mL/L))	
05/24/96		
Time		STANDARD
	Concentration of OH in Sample (Molarity)	9.70E-01
	OH in Sample in µg/mL (PPM)	1.65E+04

Data Entry by:	RLIS	Date:	05/24/96
Approved by:	Rui Schroeder	Date:	5/24/96

Form 211102_1 Rev. 1.3

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER




```
date 96-05-24 time 02:14
GET pH          12  #  139
Id.#1       002140
Id.#2        .2005
pH(init)     11.98
             V/ml          pH
EP1          .369       10.27
EP2          .575        8.25
stop volt.reached
        ========
```

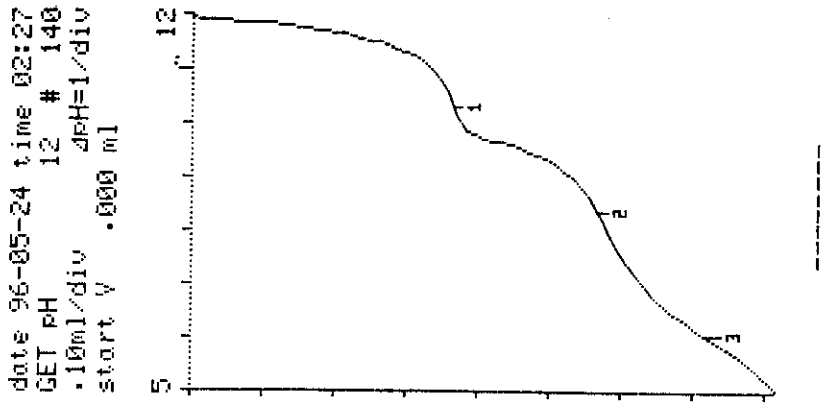
OH (AUTO) : LA-211-102 (C-0)

		SAMPLE
Type	Sample Size (mL) SS	0.050
SAMPLE	Concentration of HNO3 (Molarity)	0.2005
Work List	HNO3 Titrant at OH end-point in mL	0.369
8426	Dilution Factor DF	1
Test Code	Concentration of OH in Sample (Molarity)	1.48E+00
OH-01	OH in Sample in µg/mL (PPM)	2.52E+04
Matrix		
LIQUID		
Sample #	Detection Limit = 125µg / SS * DF	
S96T002140		
Instrument Code	Detection Limit (µg/mL)	2.50E+03
PH-01		
Analyst	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size in mL*Dilution Factor	
rag		
Date	OH in µg/mL = (OH MOLARITY)*(17.0g/mole)*((1000000µg/g)/(1000mL/L))	
05/24/96		
Time		SAMPLE
	Concentration of OH in Sample (Molarity)	1.48E+00
	OH in Sample in µg/mL (PPM)	2.52E+04

Data Entry by:	RWS	Date:	05/24/96
Approved by:	RW Schroeder	Date:	5/24/96

Form 211102_1 Rev. 1.3

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER



date 96-05-24 time 02:26
GET pH 12 # 140
Id.#1 002140
Id.#2 .2005
pH(init) 11.91

	V/ml	pH
EP1	.365	10.28
EP2	.566	8.34
EP3	.716	6.06

stop volt.reached

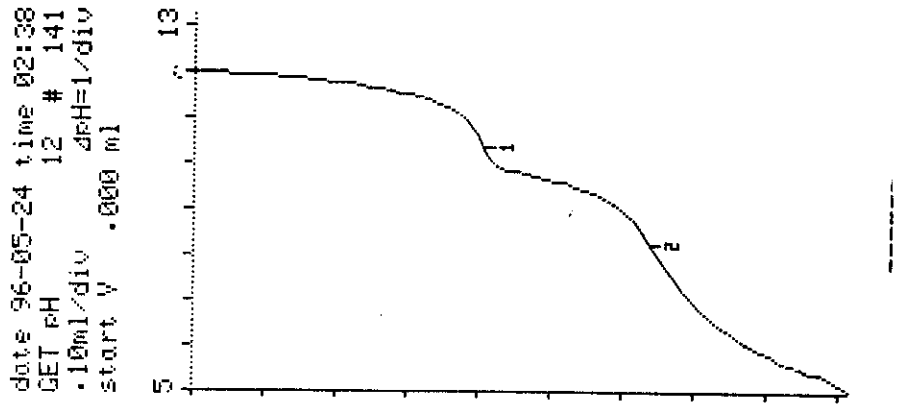
OH (AUTO) : LA-211-102 (C-0)

		SAMPLE/DUP
Type	Sample Size (mL) SS	0.050
SAMPLE/DUP	Concentration of HNO3 (Molarity)	0.2005
Work List	HNO3 Titrant at OH end-point in mL	0.365
8426	Dilution Factor DF	1
Test Code	Concentration of OH in Sample (Molarity)	1.46E+00
OH-01	OH in Sample in µg/mL (PPM)	2.49E+04
Matrix		
LIQUID		
Sample #	Detection Limit = 125µg / SS * DF	
S96T002140		
Instrument Code	Detection Limit (µg/mL)	2.50E+03
PH-01		
Analyst	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size in mL*Dilution Factor	
rag		
Date	OH in µg/mL = (OH MOLARITY)*(17.0g/mole)*((1000000µg/g)/(1000mL/L))	
05/24/96		
Time		SAMPLE/DUP
	Concentration of OH in Sample (Molarity)	1.46E+00
	OH in Sample in µg/mL (PPM)	2.49E+04

Data Entry by:	RWS	Date:	05/24/96
Approved by:	RW Schroeder	Date:	5/24/96

Form 211102_1 Rev. 1.3

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER




```
date 96-05-24 time 02:37
GET pH          12  #  141
Id.#1       002141
Id.#2        .2005
pH(init)    12.00
            V/ml          pH
EP1         .406       10.33
EP2         .637        8.26
stop volt.reached
        ========
```

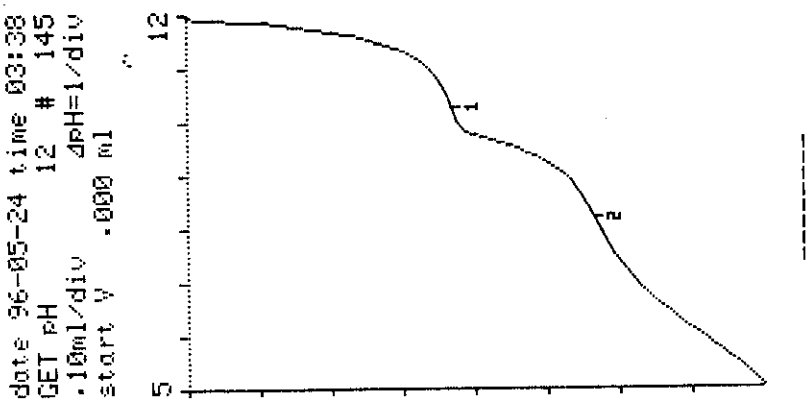
OH (AUTO) : LA-211-102 (C-0)

		SAMPLE
Type	Sample Size (mL) SS	0.050
SAMPLE	Concentration of HNO3 (Molarity)	0.2005
Work List	HNO3 Titrant at OH end-point in mL	0.406
8426	Dilution Factor DF	1
Test Code	Concentration of OH in Sample (Molarity)	1.63E+00
OH-01	OH in Sample in µg/mL (PPM)	2.77E+04
Matrix		
LIQUID		
Sample #	Detection Limit = 125µg / SS * DF	
S96T002141		
Instrument Code	Detection Limit (µg/mL)	2.50E+03
PH-01		
Analyst	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size in mL*Dilution Factor	
rag		
Date	OH in µg/mL = (OH MOLARITY)*(17.0g/mole)*((1000000µg/g)/(1000mL/L))	
05/24/96		
Time		SAMPLE
	Concentration of OH in Sample (Molarity)	1.63E+00
	OH in Sample in µg/mL (PPM)	2.77E+04

Data Entry by:	RWS	Date:	05/24/96
Approved by:	Rw Schroeder	Date:	5/24/96

Form 211102_1 Rev. 1.3 Page 1 of 1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER




```
date 96-05-24 time 03:31
GET pH          12   #  145
Id.#1        002142
Id.#2         .2005
pH(init)      11.90
             V/ml          pH
EP1          .368        10.25
EP2          .566         8.18
stop volt.reached
        ========
```

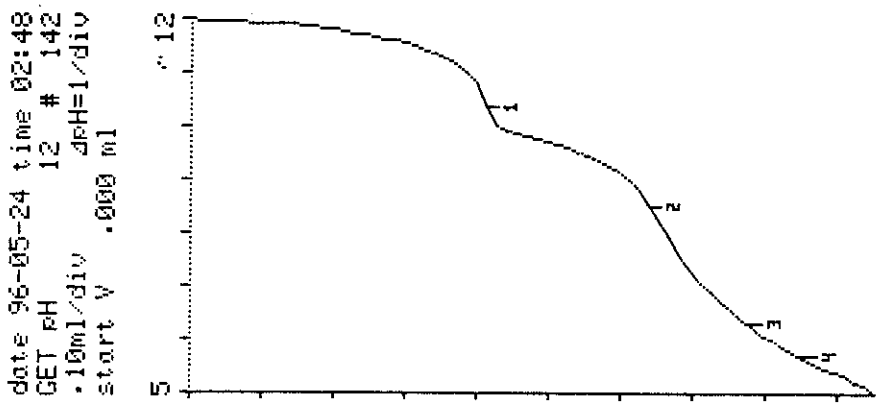
OH (AUTO) : LA-211-102 (C-0)

		SAMPLE
Type	Sample Size (mL) SS	0.050
SAMPLE	Concentration of HNO3 (Molarity)	0.2005
Work List	HNO3 Titrant at OH end-point in mL	0.368
8426	Dilution Factor DF	1
Test Code	Concentration of OH in Sample (Molarity)	1.48E+00
OH-01	OH in Sample in µg/mL (PPM)	2.51E+04
Matrix		
LIQUID		
Sample #	Detection Limit = 125µg / SS * DF	
S96T002142		
Instrument Code	Detection Limit (µg/mL)	2.50E+03
PH-01		
Analyst	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size in mL*Dilution Factor	
rag		
Date	OH in µg/mL = (OH MOLARITY)*(17.0g/mole)*((1000000µg/g)/(1000mL/L))	
05/24/96		
Time		SAMPLE
	Concentration of OH in Sample (Molarity)	1.48E+00
	OH in Sample in µg/mL (PPM)	2.51E+04

Data Entry by:	RWS	Date:	05/24/96
Approved by:	RW Schroeder	Date:	5/24/96

Form 211102_1 Rev. 1.3

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER




```
date 96-05-24 time 02:48
GET pH          12  #  142
Id.#1       002141
Id.#2        .2005
pH(init)     11.96
             V/ml          pH
EP1          .412       10.34
EP2          .640        8.49
EP3          .773        6.31
EP4          .846        5.69
stop volt.reached
========
```

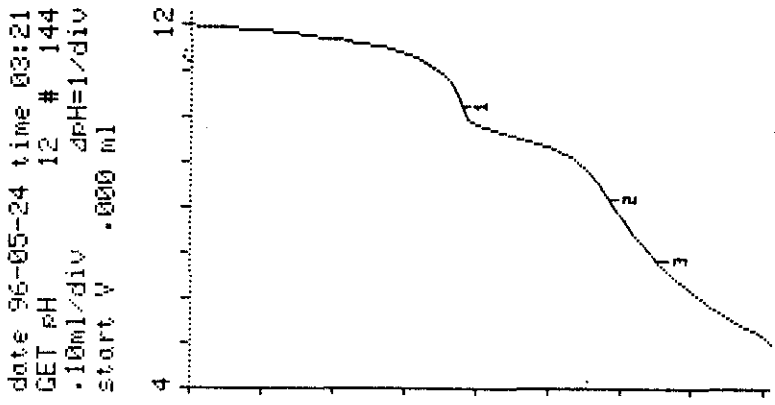
OH (AUTO) : LA-211-102 (C-0)

		SAMPLE/DUP
Type	Sample Size (mL) SS	0.050
SAMPLE/DUP	Concentration of HNO3 (Molarity)	0.2005
Work List	HNO3 Titrant at OH end-point in mL	0.412
8426	Dilution Factor DF	1
Test Code	Concentration of OH in Sample (Molarity)	1.65E+00
OH-01	OH in Sample in µg/mL (PPM)	2.81E+04
Matrix		
LIQUID		
Sample #	Detection Limit = 125µg / SS * DF	
S96T002141		
Instrument Code	Detection Limit (µg/mL)	2.50E+03
PH-01		
Analyst	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size in mL*Dilution Factor	
rag		
Date	OH in µg/mL = (OH MOLARITY)*(17.0g/mole)*((1000000µg/g)/(1000mL/L))	
05/24/96		
Time		SAMPLE/DUP
	Concentration of OH in Sample (Molarity)	1.65E+00
	OH in Sample in µg/mL (PPM)	2.81E+04

Data Entry by:	RWS	Date:	05/24/96
Approved by:	Rui Schroeder	Date:	5/24/96

Form 211102_1 Rev. 1.3 Page 1 of 1

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER




```
date 96-05-24 time 03:08
GET pH          12  #  144
Id.#1       002142
Id.#2        .2005
pH(init)     11.95
            V/ml          pH
EP1         .379       10.25
EP2         .582        8.20
EP3         .650        6.85
stop volt.reached
```

OH (AUTO) : LA-211-102 (C-0)

		SAMPLE/DUP
Type	Sample Size (mL) SS	0.050
SAMPLE/DUP	Concentration of HNO3 (Molarity)	0.2005
Work List	HNO3 Titrant at OH end-point in mL	0.379
8426	Dilution Factor DF	1
Test Code	Concentration of OH in Sample (Molarity)	1.52E+00
OH-01	OH in Sample in µg/mL (PPM)	2.58E+04
Matrix		
LIQUID		
Sample #	Detection Limit = 125µg / SS * DF	
S96T002142		
Instrument Code	Detection Limit (µg/mL)	2.50E+03
PH-01		
Analyst	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size in mL*Dilution Factor	
rag		
Date	OH in µg/mL = (OH MOLARITY)*(17.0g/mole)*((1000000µg/g)/(1000mL/L))	
05/24/96		
Time		SAMPLE/DUP
	Concentration of OH in Sample (Molarity)	1.52E+00
	OH in Sample in µg/mL (PPM)	2.58E+04

Data Entry by:	RWS	Date:	05/24/96
Approved by:	Ric Schroeder	Date:	5/24/96

Form 211102_1 Rev. 1.3

LABCORE Data Entry Template for Worklist# 9008

Analyst: rag **Instrument:** PH01 _____ **Book #** 79N8

Method: LA-211-102 Rev/Mod C-0

Worklist Comment: U-107 AND AY-102 OH. RCJ

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				OH-01	LIQUID		1.66e+4	N/A	ug/mL
		2	BLNK				OH-01	LIQUID	1	<42 ~~<2.50e+2~~ RWS 5/28/96	N/A	ug/mL
96000422	U-107	3	SAMPLE	S96T001866	0		OH-01	LIQUID	N/A	1.23e+3	2.50e+2	ug/mL
96000422	U-107	4	DUP	S96T001866	0		OH-01	LIQUID	1.23e+3	1.28e+3	N/A	ug/mL
96000663	AY-102 GRAB	5	SAMPLE	S96T002850	0		OH-01	LIQUID	N/A	4.36e+2	1.25e+2	ug/mL
96000663	AY-102 GRAB	6	DUP	S96T002850	0		OH-01	LIQUID	4.36e+2	4.70e+2	N/A	ug/mL
96000663	AY-102 GRAB	7	SAMPLE	S96T002851	0		OH-01	LIQUID	N/A	3.85e+2	1.25e+2	ug/mL
96000663	AY-102 GRAB	8	DUP	S96T002851	0		OH-01	LIQUID	3.85e+2	3.65e+2	N/A	ug/mL
96000663	AY-102 GRAB	9	SAMPLE	S96T002852	0		OH-01	LIQUID	N/A	4.74e+2	1.25e+2	ug/mL
96000663	AY-102 GRAB	10	DUP	S96T002852	0		OH-01	LIQUID	4.74e+2	4.50e+2	N/A	ug/mL

Final page for worklist # 9008

Linda Conlin 5/28/96
Analyst Signature Date

Analyst Signature Date

Reviewed RW Schmidt 5/28/96

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.

worklistrpt Version 2.1 05/15/95
05/20/96 19:23

LABCORE Data Entry Template for Worklist# 9008

Analyst: RS **Instrument:** PH01 **Book #** 79N8

Method: LA-211-102 Rev/Mod C-0

Worklist Comment: U-107 AND AY-102 OH. RCJ

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				OH-01	LIQUID			N/A	ug/mL
96000422	U-107	2	SAMPLE	S96T001866	0		OH-01	LIQUID	N/A			ug/mL
96000422	U-107	3	DUP	S96T001866	0		OH-01	LIQUID			N/A	ug/mL
96000663	AY-102 GRAB	4	SAMPLE	S96T002850	0		OH-01	LIQUID	N/A			ug/mL
96000663	AY-102 GRAB	5	DUP	S96T002850	0		OH-01	LIQUID			N/A	ug/mL
96000663	AY-102 GRAB	6	SAMPLE	S96T002851	0		OH-01	LIQUID	N/A			ug/mL
96000663	AY-102 GRAB	7	DUP	S96T002851	0		OH-01	LIQUID			N/A	ug/mL
96000663	AY-102 GRAB	8	SAMPLE	S96T002852	0		OH-01	LIQUID	N/A			ug/mL
96000663	AY-102 GRAB	9	DUP	S96T002852	0		OH-01	LIQUID			N/A	ug/mL

Final page for worklist # 9008

Rae Ann Green 5-27-96
Analyst Signature **Date**

Analyst Signature **Date**

Data Entry Comments: .2006 M HNO_3 titrant

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.

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

OH (AUTO) : LA-211-102 (C-0)

		STANDARD
Type	Sample Size (mL) SS	0.050
STANDARD	Concentration of HNO3 (Molarity)	0.2005
Work List	HNO3 Titrant at OH end-point in mL	0.243
9008	Dilution Factor DF	1
Test Code	Concentration of OH in Sample (Molarity)	9.74E-01
OH-01	OH in Sample in µg/mL (PPM)	1.66E+04
Matrix		
LIQUID		
Sample #		
Instrument Code		
Analyst	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size in mL*Dilution Factor	
R A GREEN		
Date	OH in µg/mL = (OH MOLARITY)*(17.0g/mole)*((1000000µg/g)/(1000mL/L))	
05/27/96		
Time		STANDARD
11:55 AM	Concentration of OH in Sample (Molarity)	9.74E-01
	OH in Sample in µg/mL (PPM)	1.66E+04

Data Entry by:	[signature]	Date:	05/27/96
Approved by:	[signature]	Date:	5/28/96

Form 211102_1 Rev. 1.3

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

OH (AUTO) : LA-211-102 (C-0)

		BLANK
Type	Sample Size (mL) SS	3.000 ~~0.500~~ RWS 5/28/96
BLANK	Concentration of HNO3 (Molarity)	0.2005
Work List	HNO3 Titrant at OH end-point in mL	0.000 ~~0.010~~ RWS 5/28/96
9008	Dilution Factor DF	1
Test Code	Concentration of OH in Sample (Molarity)	4.01E-03
OH-01	OH in Sample in µg/mL (PPM)	6.82E+01
Matrix		
LIQUID		
Sample #	Detection Limit = 125µg / SS * DF	
		42 RWS 5/28/96
Instrument Code	Detection Limit (µg/mL)	~~2.50E+02~~
Analyst	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size in mL*Dilution Factor	
RA GREEN		
Date	OH in µg/mL = (OH MOLARITY)*(17.0g/mole)*((1000000µg/g)/(1000mL/L))	
05/27/96		
Time		BLANK
11:55 AM	Concentration of OH in Sample (Molarity)	4.01E-03
	OH in Sample in µg/mL (PPM)	<42 ~~<250~~

The Result is < Detection Limit

RWS 5/28/96

Data Entry by:	[signature]	Date:	05/27/96
Approved by:	RW Schroeder	Date:	5/28/96

Form 211102_1 Rev. 1.3

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

OH (AUTO) : LA-211-102 (C-0)

		SAMPLE
Type	Sample Size (mL) SS	0.500
SAMPLE	Concentration of HNO3 (Molarity)	0.2005
Work List	HNO3 Titrant at OH end-point in mL	0.181
9008	Dilution Factor DF	1
Test Code	Concentration of OH in Sample (Molarity)	7.26E-02
OH-01	OH in Sample in µg/mL (PPM)	1.23E+03
Matrix		
LIQUID		
Sample #	Detection Limit = 125µg / SS * DF	
S96T001866		
Instrument Code	Detection Limit (µg/mL)	2.50E+02
Analyst	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size in mL*Dilution Factor	
RA GREEN		
Date	OH in µg/mL = (OH MOLARITY)*(17.0g/mole)*((1000000µg/g)/(1000mL/L))	
05/27/96		
Time		SAMPLE
11:55 AM	Concentration of OH in Sample (Molarity)	7.26E-02
	OH in Sample in µg/mL (PPM)	1.23E+03

Data Entry by:	[signature]	Date:	05/27/96
Approved by:	[signature]	Date:	5/28/96

Form 211102_1 Rev. 1.3

PLACE ANALYTICAL CARD IN BOX BELOW OR ATTACH TRAVELER

WHC-SD-WM-DP-184, REV. 1

OH (AUTO) : LA-211-102 (C-0)

		DUPLICATE
Type	Sample Size (mL) SS	0.500
DUPLICATE	Concentration of HNO3 (Molarity)	0.2005
Work List	HNO3 Titrant at OH end-point in mL	0.188
9008	Dilution Factor DF	1
Test Code	Concentration of OH in Sample (Molarity)	7.54E-02
OH-01	OH in Sample in µg/mL (PPM)	1.28E+03
Matrix		
LIQUID		
Sample #	Detection Limit = 125µg / SS * DF	
S96T001866		
Instrument Code	Detection Limit (µg/mL)	2.50E+02
Analyst	OH Molarity =((mL HNO3)*(M HNO3))/Sample Size in mL*Dilution Factor	
R A GREEN		
Date	OH in µg/mL = (OH MOLARITY)*(17.0g/mole)*((1000000µg/g)/(1000mL/L))	
05/27/96		
Time		DUPLICATE
11:55 AM	Concentration of OH in Sample (Molarity)	7.54E-02
	OH in Sample in µg/mL (PPM)	1.28E+03

Data Entry by:	[signature]	Date:	05/27/96
Approved by:	[signature]	Date:	5/28/96

Form 211102_1 Rev. 1.3

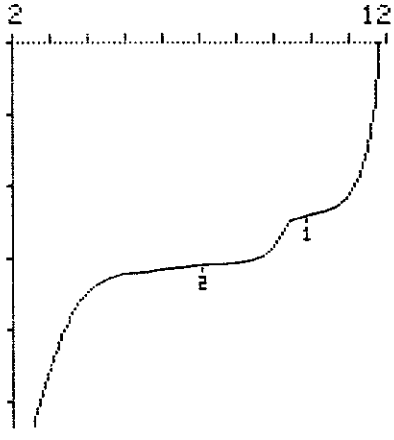
BLK

```
calibration data
date      96-05-27
pH(S) 1     7.00
pH(S) 2    10.00
t.cal.      24.0 °C
slope(rel)  .967
U(as)      -7.3 mV
electr. input  1
```

STD

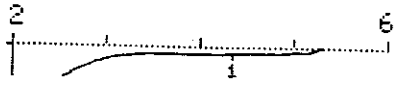
```
date 96-05-27 time 09:22
GET pH        12  #  151
Id.#1      00000
Id.#2      .2005
pH(init)   11.79
           V/ml        pH
EP1        .243      9.89
EP2        .313      7.08
stop volt.reached
========
```

```
date 96-05-27 time 09:22
GET pH        12  #  151
.10ml/div      ΔpH=1/div
start V   .000 ml
```




```
date 96-05-27 time 09:24
GET pH        12  #  152
Id.#1      00000
Id.#2      .2005
pH(init)    5.27
           V/ml        pH
EP1        .010      4.35
stop volt.reached
```

```
date 96-05-27 time 09:24
GET pH        12  #  152
.10ml/div      ΔpH=1/div
start V   .000 ml
```

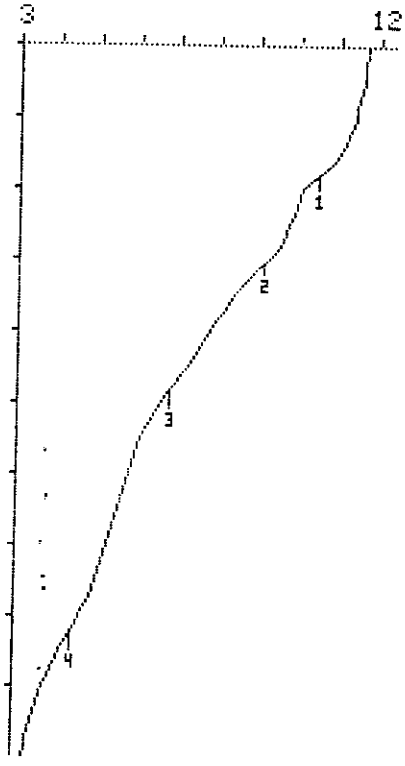


BEST AVAILABLE COPY

S96T001866

```
date 96-05-27 time 09:39
GET pH          12  #  153
Id.#1        001866
Id.#2         .2005
pH(init)     11.66
             V/ml          pH
EP1          .181       10.44
EP2          .305        9.15
EP3          .483        6.79
EP4          .820        4.42
stop V reached
```

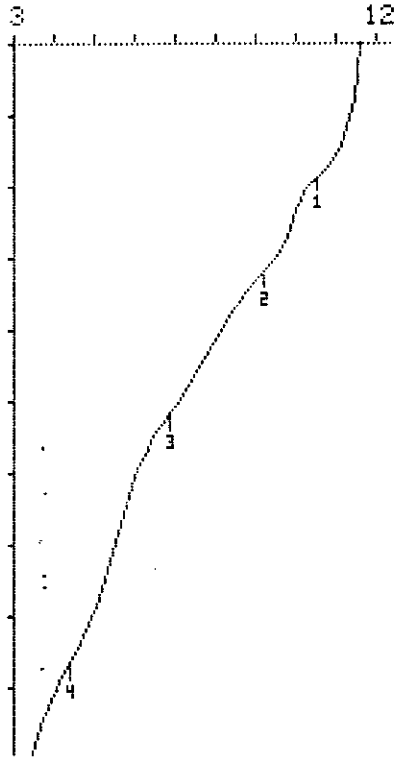
```
date 96-05-27 time 09:43
GET pH          12  #  153
.10ml/div       ΔpH=1/div
start V    .000 ml
```



S96T001866 Dup

```
date 96-05-27 time 09:55
GET pH          12  #  154
Id.#1        001866
Id.#2         .2005
pH(init)     11.54
             V/ml          pH
EP1          .188       10.54
EP2          .321        9.17
EP3          .516        6.88
EP4          .864        4.40
stop V reached
        ========
```

```
date 96-05-27 time 09:56
GET pH          12  #  154
.10ml/div       ΔpH=1/div
start V    .000 ml
```



BEST AVAILABLE COPY

LABCORE Data Entry Template for Worklist# 6770

Analyst: JLF **Instrument:** PH01 **Book #** 144N/16E

Method: LA-212-106 Rev/Mod A-0

Worklist Comment: U-107 PH'S. RCJ

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STDPH				PH-01	LIQUID	9.18	9.140	N/A	pH
96000085	U-107	2	SAMPLE	S96T000665	0		PH-01	LIQUID	N/A	13.916	0.01	pH
96000085	U-107	3	DUP	S96T000665	0		PH-01	LIQUID	13.916	13.893	N/A	pH
96000085	U-107	4	SAMPLE	S96T000682	0		PH-01	LIQUID	N/A	13.895	0.01	pH
96000085	U-107	5	DUP	S96T000682	0		PH-01	LIQUID	13.895	13.897	N/A	pH

Final page for worklist # 6770

Jessica Flusby 4-9-96
Analyst Signature **Date**

Linda Conlin 4-10-96
Analyst Signature **Date**

Reviewed RW Schroeder 4/10/96

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# 7582

Analyst: RJS **Instrument:** PH01 27 **Book #** 144 N16-E

Method: LA-212-106 Rev/Mod A-0

Worklist Comment: U-107 PH RUN IN DUPLICATE. RCJ

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STDPH				PH-01	LIQUID	9.18	9.19	N/A	pH
96000126	U-107	2 SAMPLE	S96T001110	0		PH-01	LIQUID	N/A	12.42	0.01	pH
96000126	U-107	3 DUP	S96T001110	0		PH-01	LIQUID	12.42	12.43	N/A	pH
96000126	U-107	4 SAMPLE	S96T001119	0		PH-01	LIQUID	N/A	12.82	0.01	pH
96000126	U-107	5 DUP	S96T001119	0		PH-01	LIQUID	12.82	12.87	N/A	pH
96000126	U-107	6 SAMPLE	S96T001120	0		PH-01	LIQUID	N/A	12.64	0.01	pH
96000126	U-107	7 DUP	S96T001120	0		PH-01	LIQUID	12.64	12.58	N/A	pH
96000126	U-107	8 SAMPLE	S96T001121	0		PH-01	LIQUID	N/A	12.84	0.01	pH
96000126	U-107	9 DUP	S96T001121	0		PH-01	LIQUID	12.84	12.78	N/A	pH

Final page for worklist # 7582

Rae Ann Green 4-14-96
Analyst Signature **Date**
20:30

TE Wright 4/15/96
Analyst Signature **Date**

Reviewed RW Schroeder
4/16/96

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# 8428

Analyst: RG **Instrument:** PH01 **Book #** 14416-D

Method: LA-212-106 Rev/Mod A-0

Worklist Comment: U-107 PH. RCJ

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STDPH				PH-01	LIQUID	8.00	7.99	N/A	pH
96000422	U-107	2 SAMPLE	S96T002140	0		PH-01	LIQUID	N/A	12.82	0.01	pH
96000422	U-107	3 DUP	S96T002140	0		PH-01	LIQUID	12.82	12.85	N/A	pH
96000422	U-107	4 SAMPLE	S96T002141	0		PH-01	LIQUID	N/A	12.70	0.01	pH
96000422	U-107	5 DUP	S96T002141	0		PH-01	LIQUID	12.70	12.69	N/A	pH
96000422	U-107	6 SAMPLE	S96T002142	0		PH-01	LIQUID	N/A	13.50	0.01	pH
96000422	U-107	7 DUP	S96T002142	0		PH-01	LIQUID	13.50	13.48	N/A	pH

Final page for worklist # 8428

Rachann Green 5-12-96
Analyst Signature **Date**

[illegible] 5-13-96
Analyst Signature **Date**

Approved 5/13/96
RW Schroeder

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# 8913

Analyst: KAN **Instrument:** PH01 _____ **Book #** KKN160-D

Method: LA-212-106 Rev/Mod _____

Worklist Comment: C-106 ~~AY-102~~ PH. RCJ U 107
LAD 5/21/96

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STDPH				PH-01	LIQUID	8.00	8.00	N/A	pH
96000422	U-107	2	SAMPLE	S96T001866	0		PH-01	LIQUID	N/A	12.67	0.01	pH
96000422	U-107	3	DUP	S96T001866	0		PH-01	LIQUID	12.67	12.69	N/A	pH
96000638	C-106 GRAB	4	SAMPLE	S96T002770	0		PH-01	LIQUID	N/A	11.71	0.01	pH
96000638	C-106 GRAB	5	DUP	S96T002770	0		PH-01	LIQUID	11.71	11.69	N/A	pH
									11.81 → KH 5-19-96			
96000638	C-106 GRAB	6	SAMPLE	S96T002771	0		PH-01	LIQUID	N/A	~~11.71~~	0.01	pH
									11.79 → KH 5-19-96			
96000638	C-106 GRAB	7	DUP	S96T002771	0		PH-01	LIQUID	11.81	~~11.69~~	N/A	pH
96000648	C-106 GRAB	8	SAMPLE	S96T002829	0		PH-01	LIQUID	N/A	11.80	0.01	pH
96000648	C-106 GRAB	9	DUP	S96T002829	0		PH-01	LIQUID	11.80	11.79	N/A	pH
96000648	C-106 GRAB	10	SAMPLE	S96T002830	0		PH-01	LIQUID	N/A	11.91	0.01	pH
96000648	C-106 GRAB	11	DUP	S96T002830	0		PH-01	LIQUID	11.91	11.90	N/A	pH

Final page for worklist # 8913

[signature] 5-19-96
Analyst Signature **Date**

[signature] 5-19-96
Analyst Signature **Date**

Approved [signature] 5/20/96

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# 6322

Analyst: [illegible] **Instrument:** IC00 IC01 **Book#** 133[illegible]

Method: LA-533-105 Rev/Mod [illegible]

Worklist Comment: U-107 @IC-01. RCJ

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T000690	0	W	@IC-01	SOLID	96000085	U-107
		Analytes Requested: BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
5	DUP	S96T000690	0	W	@IC-01	SOLID		
6	SPK	S96T000690	0	W	@IC-01	SOLID		
7	SAMPLE	S96T000691	0	W	@IC-01	SOLID	96000085	U-107
		Analytes Requested: BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
8	DUP	S96T000691	0	W	@IC-01	SOLID		

Final page for worklist # 6322

[illegible] 3/18/96

Analyst Signature **Date**

[illegible]

Uploaded 3/28/96 N. Smith

Analyst Signature **Date**

Data Entry Comments:

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 6322

Analyst: wgb **Instrument:** IC01 **Book#** 133N9A

Method: LA533105 Rev/Mod D-1

Worklist Comment: U-107 @IC-01. RCJ

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1		<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1		<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1		<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1		<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1		<1.40e-1		ug/mL
1	CCB			0	@IC-QC	PO4	QC	1		<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1		<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1		<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	59		5.82e+01	98.644	% Recovery
2	CCV			0	@IC-QC	CL	QC	79		7.44e+01	94.177	% Recovery
2	CCV			0	@IC-QC	NO2	QC	537		5.25e+02	97.765	% Recovery
2	CCV			0	@IC-QC	BR	QC	575		5.55e+02	96.522	% Recovery
2	CCV			0	@IC-QC	NO3	QC	614		6.05e+02	98.534	% Recovery
2	CCV			0	@IC-QC	PO4	QC	546		5.28e+02	96.703	% Recovery
2	CCV			0	@IC-QC	SO4	QC	631		6.14e+02	97.306	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	509		5.12e+02	100.589	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1		<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1		3.30e-02	0.033	ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1		<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1		<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1		<1.40e-1		ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1		<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1		<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1		<1.05e-1		ug/g
4	SAMPLE	S96T000690	0	W	@IC-01	F-02	SOLID	N/A		4.670e+02	103.900	ug/g
4	REJECT	S96T000690	0	W	@IC-01	F-02	SOLID	N/A		4.670e+02		ug/g
4	SAMPLE	S96T000690	0	W	@IC-01	CL-02	SOLID	N/A		4.603e+03	135.800	ug/g
4	REJECT	S96T000690	0	W	@IC-01	CL-02	SOLID	N/A		4.603e+03		ug/g
4	SAMPLE	S96T000690	0	W	@IC-01	NO2-02	SOLID	N/A		5.148e+04	854.900	ug/g
4	REJECT	S96T000690	0	W	@IC-01	NO2-02	SOLID	N/A		5.148e+04		ug/g
4	SAMPLE	S96T000690	0	W	@IC-01	BR-02	SOLID	N/A	<	1007.000	1007.000	ug/g
4	REJECT	S96T000690	0	W	@IC-01	BR-02	SOLID	N/A	<	1.006e+03		ug/g
4	SAMPLE	S96T000690	0	W	@IC-01	NO3-02	SOLID	N/A		1.354e+05	1118.000	ug/g
4	REJECT	S96T000690	0	W	@IC-01	NO3-02	SOLID	N/A		1.354e+05		ug/g
4	SAMPLE	S96T000690	0	W	@IC-01	PO4-02	SOLID	N/A		3.213e+04	949.600	ug/g
4	REJECT	S96T000690	0	W	@IC-01	PO4-02	SOLID	N/A		3.213e+04		ug/g
4	SAMPLE	S96T000690	0	W	@IC-01	SO4-02	SOLID	N/A		4.954e+03	1086.000	ug/g
4	REJECT	S96T000690	0	W	@IC-01	SO4-02	SOLID	N/A		4.954e+03		ug/g
4	SAMPLE	S96T000690	0	W	@IC-01	OXALATE2	SOLID	N/A		9.874e+03	838.900	ug/g
4	REJECT	S96T000690	0	W	@IC-01	OXALATE2	SOLID	N/A		9.874e+03		ug/g
5	DUP	S96T000690	0	W	@IC-01	F-02	SOLID	4.67e+02		4.16e+02	11.552	RPD

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 6322

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
5	DUP	S96T000690	0	W	@IC-01	CL-02	SOLID	4.60e+03		4.54e+03	1.313	RPD
5	DUP	S96T000690	0	W	@IC-01	NO2-02	SOLID	5.15e+04		4.92e+04	4.568	RPD
5	DUP	S96T000690	0	W	@IC-01	BR-02	SOLID	<1.01e3		<1.08e3		RPD
5	DUP	S96T000690	0	W	@IC-01	NO3-02	SOLID	1.35e+05		1.27e+05	6.107	RPD
5	DUP	S96T000690	0	W	@IC-01	PO4-02	SOLID	3.21e+04		2.63e+04	19.863	RPD
5	DUP	S96T000690	0	W	@IC-01	SO4-02	SOLID	4.95e+03		5.03e+03	1.603	RPD
5	DUP	S96T000690	0	W	@IC-01	OXALATE2	SOLID	9.87e+03		8.92e+03	10.112	RPD
6	SPK	S96T000690	0	W	@IC-01	F-02	SOLID	59		4.24e+01	71.864	% Recovery
6	SPK	S96T000690	0	W	@IC-01	CL-02	SOLID	79		7.31e+01	92.532	% Recovery
6	SPK	S96T000690	0	W	@IC-01	NO2-02	SOLID	537		5.37e+02	100.000	% Recovery
6	SPK	S96T000690	0	W	@IC-01	BR-02	SOLID	575		5.42e+02	94.261	% Recovery
6	SPK	S96T000690	0	W	@IC-01	NO3-02	SOLID	614		6.51e+02	106.026	% Recovery
6	SPK	S96T000690	0	W	@IC-01	PO4-02	SOLID	546		5.09e+02	93.223	% Recovery
6	SPK	S96T000690	0	W	@IC-01	SO4-02	SOLID	631		5.94e+02	94.136	% Recovery
6	SPK	S96T000690	0	W	@IC-01	OXALATE2	SOLID	509		5.03e+02	98.821	% Recovery
7	SAMPLE	S96T000691	0	W	@IC-01	F-02	SOLID	N/A		3.001e+02	184.500	ug/g
7	REJECT	S96T000691	0	W	@IC-01	F-02	SOLID	N/A		3.001e+02		ug/g
7	SAMPLE	S96T000691	0	W	@IC-01	CL-02	SOLID	N/A		2.069e+03	241.200	ug/g
7	REJECT	S96T000691	0	W	@IC-01	CL-02	SOLID	N/A		2.069e+03		ug/g
7	SAMPLE	S96T000691	0	W	@IC-01	NO2-02	SOLID	N/A		2.280e+04	1519.000	ug/g
7	REJECT	S96T000691	0	W	@IC-01	NO2-02	SOLID	N/A		2.280e+04		ug/g
7	SAMPLE	S96T000691	0	W	@IC-01	BR-02	SOLID	N/A	<	1.788e+03	1788.000	ug/g
7	REJECT	S96T000691	0	W	@IC-01	BR-02	SOLID	N/A	<	1.788e+03		ug/g
7	SAMPLE	S96T000691	0	W	@IC-01	NO3-02	SOLID	N/A		3.177e+05	1985.000	ug/g
7	REJECT	S96T000691	0	W	@IC-01	NO3-02	SOLID	N/A		3.177e+05		ug/g
7	SAMPLE	S96T000691	0	W	@IC-01	PO4-02	SOLID	N/A		7.124e+03	1687.000	ug/g
7	REJECT	S96T000691	0	W	@IC-01	PO4-02	SOLID	N/A		7.124e+03		ug/g
7	SAMPLE	S96T000691	0	W	@IC-01	SO4-02	SOLID	N/A		4.650e+03	1929.000	ug/g
7	REJECT	S96T000691	0	W	@IC-01	SO4-02	SOLID	N/A		4.650e+03		ug/g
7	SAMPLE	S96T000691	0	W	@IC-01	OXALATE2	SOLID	N/A		2.925e+03	1490.000	ug/g
7	REJECT	S96T000691	0	W	@IC-01	OXALATE2	SOLID	N/A		2.925e+03		ug/g
8	DUP	S96T000691	0	W	@IC-01	F-02	SOLID	3.00e+02		2.91e+02	3.046	RPD
8	DUP	S96T000691	0	W	@IC-01	CL-02	SOLID	2.07e+03		1.78e+03	15.065	RPD
8	DUP	S96T000691	0	W	@IC-01	NO2-02	SOLID	2.28e+04		2.04e+04	11.111	RPD
8	DUP	S96T000691	0	W	@IC-01	BR-02	SOLID	<1.79e3		<1.81e3		RPD
8	DUP	S96T000691	0	W	@IC-01	NO3-02	SOLID	3.18e+05		5.71e+05	56.918	RPD
8	DUP	S96T000691	0	W	@IC-01	PO4-02	SOLID	7.12e+03		6.96e+03	2.273	RPD
8	DUP	S96T000691	0	W	@IC-01	SO4-02	SOLID	4.65e+03		4.88e+03	4.827	RPD
8	DUP	S96T000691	0	W	@IC-01	OXALATE2	SOLID	2.92e+03		2.78e+03	4.912	RPD

Final page for worklist# 6322

Analyst Signature Date

Analyst Signature Date

H Anastor 4-22-96
Reviewer Signature Date

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 28-Mar-96

Worklist#: 6322

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S96T000690
=>	5	DUP	S96T000690
=>	6	SPK	S96T000690
=>	7	SAMPLE	S96T000691
=>	8	DUP	S96T000691

Data File: 6322MAR.CSV

Seq#	Data File	Sample Name	Dilution
1	96031821.d01	INST. BLANK	1.00
2	96031821.d02	133N9-A STANDA	101.00
3	96031821.d03	PREP-BLANK	1.00
	96031821.d04	S96T000690 SAMP	101.00
4	96031821.d05	S96T000690 SAMP	41.00
5	96031821.d06	S96T000690 DUP.	41.00
6	96031841.d07	S96T000690 SPIK	41.00
7	96031841.d11	S96T000691 SAMP	67.67
8	96031841.d12	S96T000691 DUP.	67.67

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 03/19/1996 09:26:41

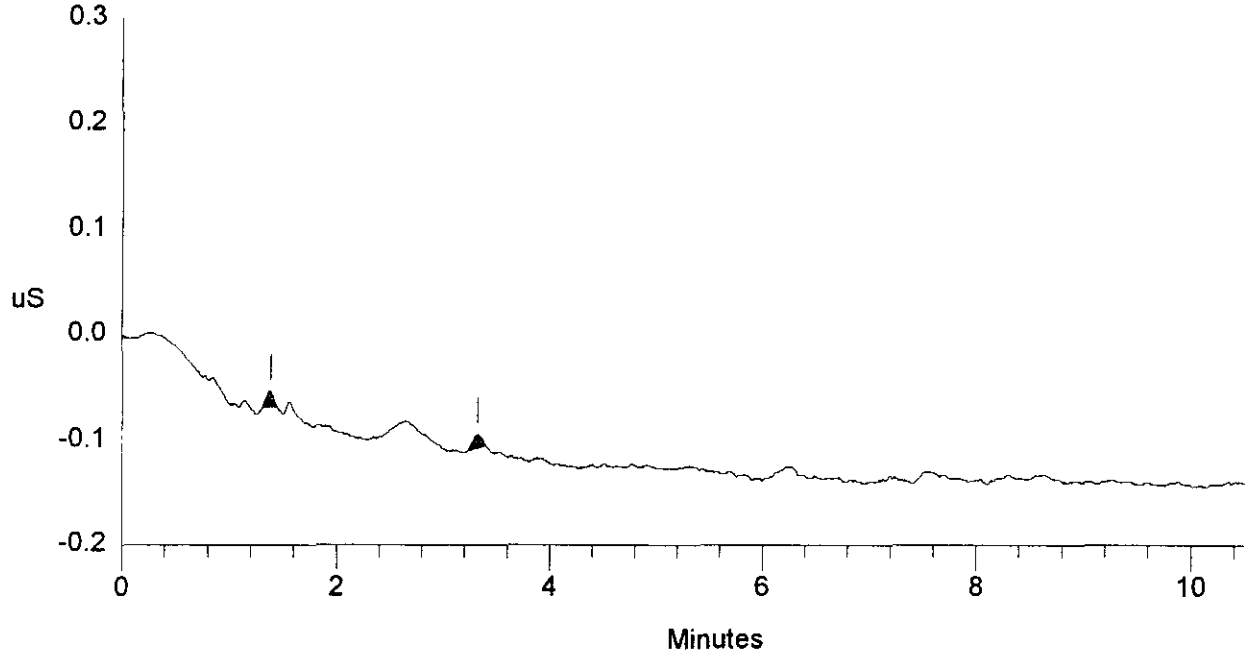
Sample Name: INST. BLANK Date: 03/18/1996 19:47:07
Data File : C:\DX\DATA\96031821.d01 WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 1 Detector:CDM-1
Analyst : N. Smith 3/28/96 Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
		Totals	0.000	0	0		

File: 96031821.d01 Sample: INST. BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 249 TO 258.

Data Reprocessed On 03/19/1996 09:26:44

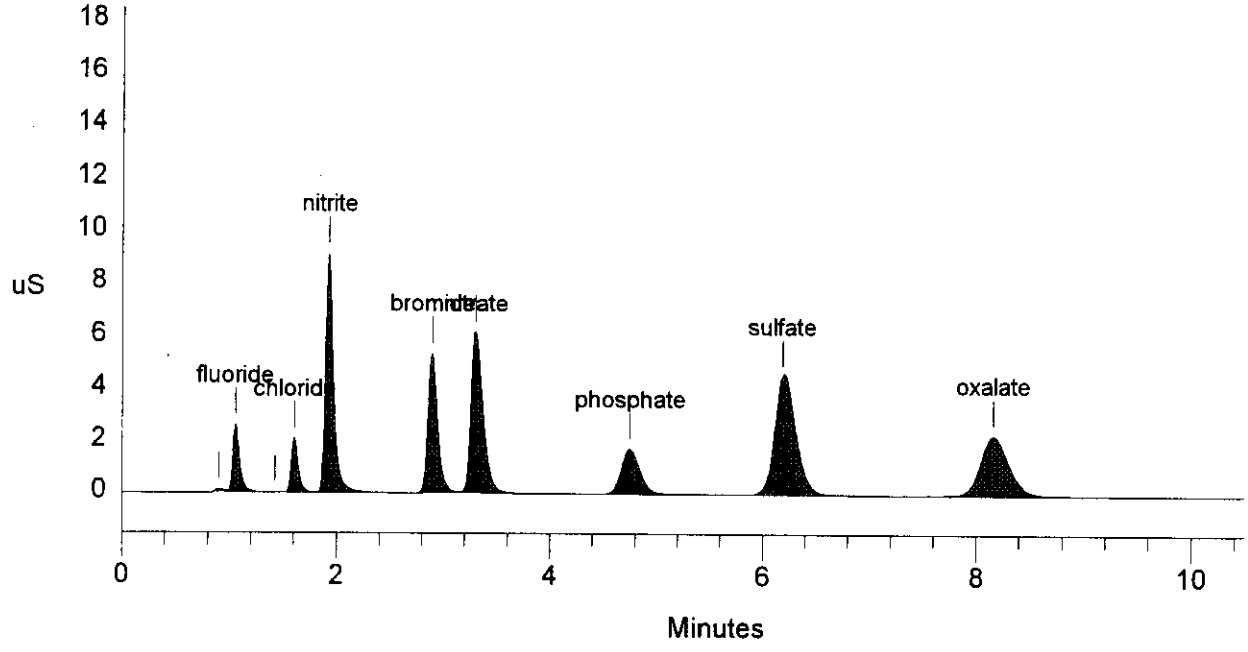
Sample Name: 133N9-A STANDARD	Date: 03/18/1996 20:00:26
Data File : C:\DX\DATA\96031821.d02	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 2	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	105	503	2	
2	1.05	fluoride	58.242	2576	11352	2	0.32
4	1.61	chloride	74.364	2093	9233	1	0.42
5	1.93	nitrite	524.752	9102	47314	1	-0.69
6	2.89	bromide	555.281	5318	33100	1	2.84
7	3.30	nitrate	605.446	6136	47346	1	5.10
8	4.75	phosphate	527.501	1726	21013	1	1.71
9	6.19	sulfate	614.105	4510	63187	1	1.75
10	8.16	oxalate	512.086	2279	41325	1	2.68
		Totals	3471.776	33845	274374		

File: 96031821.d02 Sample: 133N9-A STANDARD



Data Reprocessed On 03/19/1996 09:26:46

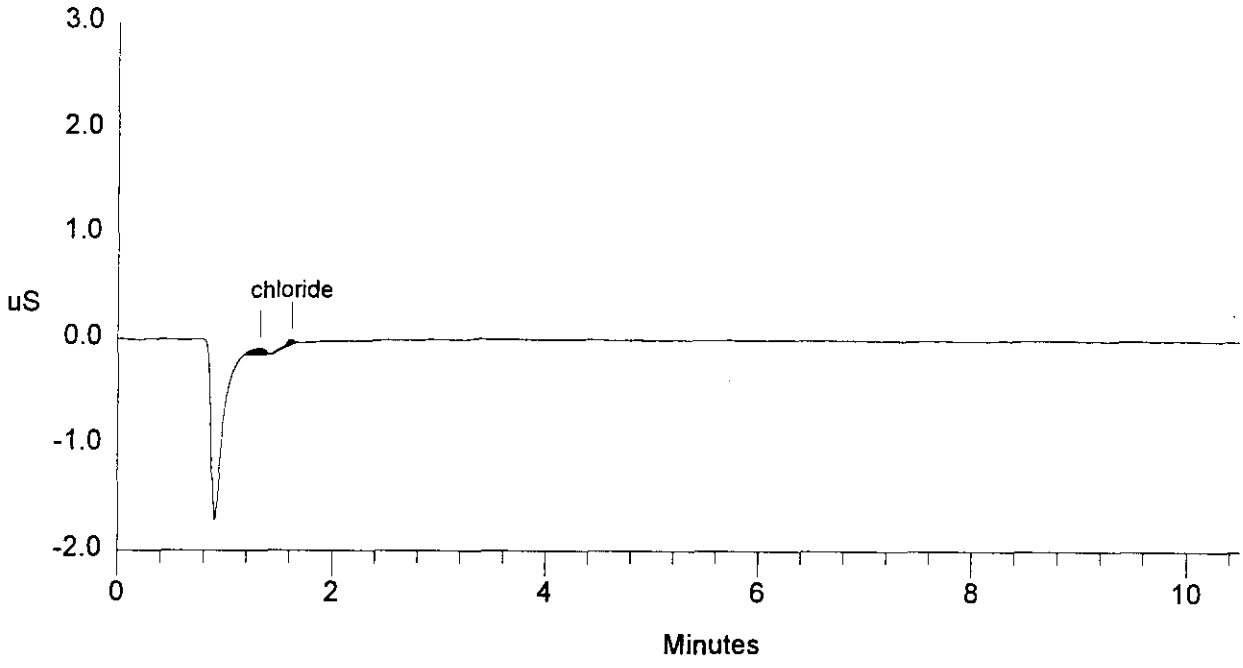
Sample Name: PREP-BLANK	Date: 03/18/1996 20:16:49
Data File : C:\DX\DATA\96031821.d03	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 3	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.33		0.000	63	569	1	
2	1.62	chloride	0.033	47	301	1	1.25
		Totals	0.033	110	870		

File: 96031821.d03 Sample: PREP-BLANK



Data Reprocessed On 03/19/1996 09:26:49

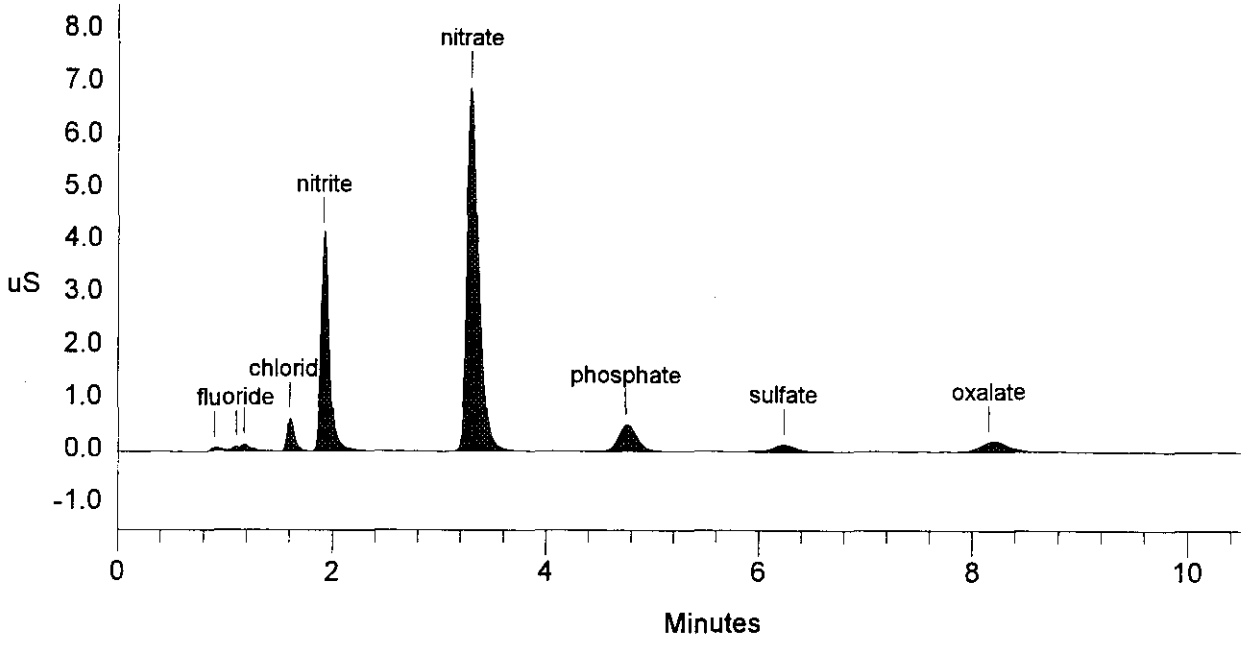
Sample Name: S96T000690 SAMPLE	Date: 03/18/1996 20:30:26
Data File : C:\DX\DATA\96031821.d04	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 4	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.89		0.000	61	350	2	
2	1.10	fluoride	2.830	75	299	2	4.76
3	1.17		0.000	120	684	2	
4	1.61	chloride	24.150	624	2896	1	0.42
5	1.92	nitrite	260.882	4125	22299	1	-1.03
6	3.29	nitrate	671.029	6887	52851	1	4.88
7	4.75	phosphate	181.485	501	6165	1	1.71
8	6.24	sulfate	42.473	138	2061	1	2.63
9	8.16	oxalate	52.273	190	3698	1	2.68
		Totals	1235.123	12723	91302		

File: 96031821.d04 Sample: S96T000690 SAMPLE



Data Reprocessed On 03/19/1996 09:26:51

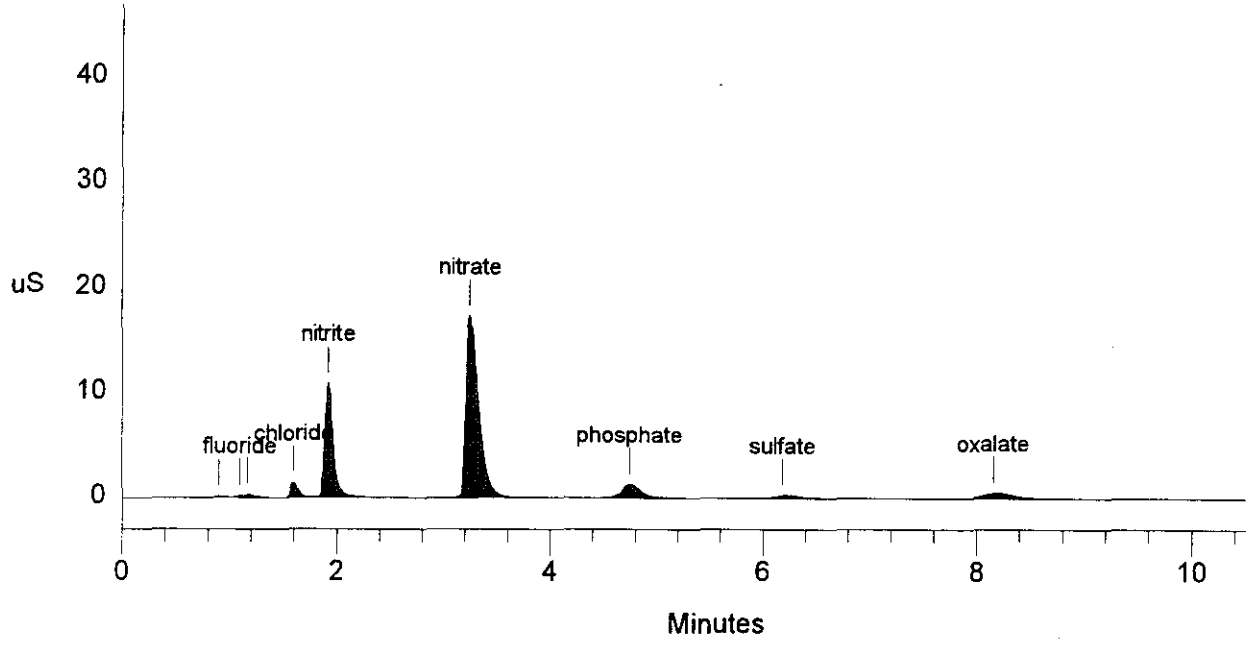
Sample Name: S96T000690 SAMPLE Date: 03/18/1996 20:50:14
Data File : C:\DX\DATA\96031821.d05 WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 5 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	151	835	2	
2	1.10	fluoride	2.397	213	905	2	4.76
3	1.17		0.000	350	2321	2	
4	1.60	chloride	23.629	1482	7182	1	0.00
5	1.92	nitrite	264.235	10888	59355	1	-1.03
6	3.25	nitrate	695.140	17321	142485	1	3.40
7	4.75	phosphate	164.906	1305	15789	1	1.71
8	6.19	sulfate	25.427	254	4186	1	1.75
9	8.16	oxalate	50.683	491	9601	1	2.68
		Totals	1226.418	32454	242659		

File: 96031821.d05 Sample: S96T000690 SAMPLE



Data Reprocessed On 03/19/1996 09:26:54

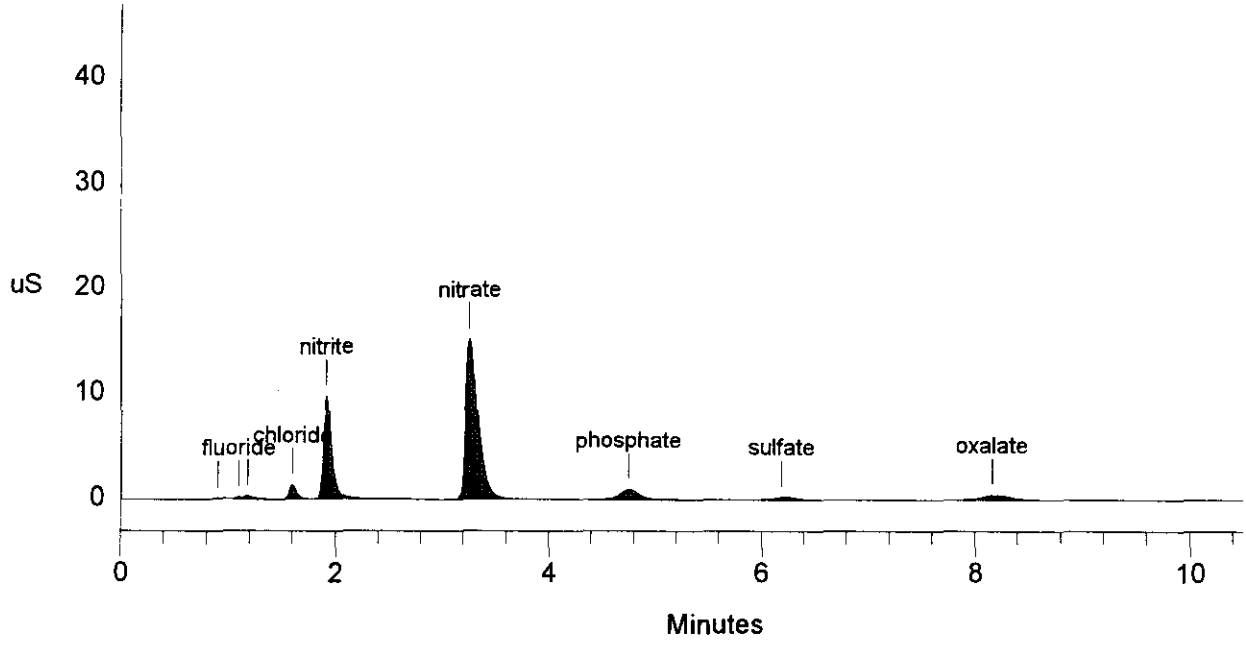
Sample Name: S96T000690 DUP. Date: 03/18/1996 21:08:03
Data File : C:\DX\DATA\96031821.d06 **WHC-SD-WM-DP-184, REV. 1**
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 6 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	132	746	2	
2	1.10	fluoride	1.982	181	703	2	4.76
3	1.18		0.000	325	2114	2	
4	1.60	chloride	21.610	1392	6554	1	0.00
5	1.92	nitrite	234.462	9762	52349	1	-1.03
6	3.25	nitrate	604.418	15178	122882	1	3.61
7	4.75	phosphate	125.114	930	11582	1	1.71
8	6.19	sulfate	23.951	226	3803	1	1.75
9	8.16	oxalate	42.507	415	7962	1	2.68
		Totals	1054.044	28542	208694		

File: 96031821.d06 Sample: S96T000690 DUP.



Data Reprocessed On 03/19/1996 09:26:56

Sample Name: S96T000690 SPIKE Date: 03/18/1996 21:20:11
Data File : C:\DX\DATA\96031841.d07
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 7 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

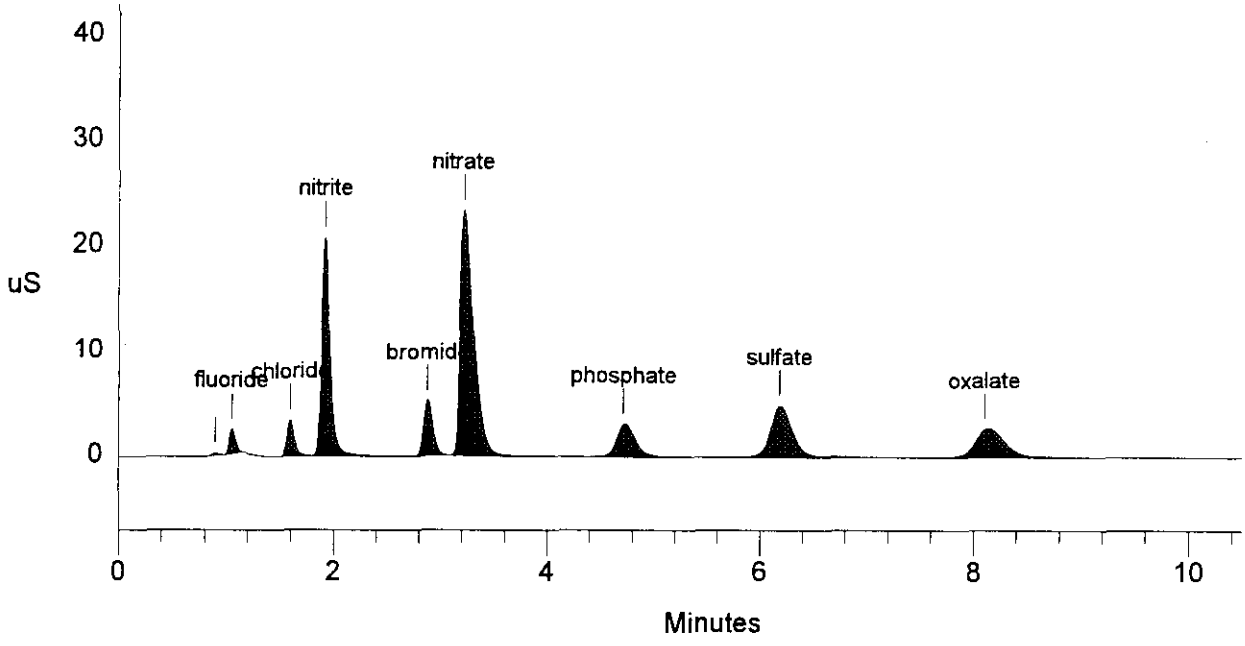
WHC-SD-WM-DP-184, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	196	843	1	
2	1.05	fluoride	19.350	2351	9220	1	0.32
3	1.60	chloride	52.864	3449	16412	1	0.00
4	1.93	nitrite	478.956	20723	110420	1	-0.69
5	2.88	bromide	216.612	5262	31728	1	2.37
6	3.22	nitrate	955.358	23191	199919	1	2.55
7	4.72	phosphate	368.324	3026	37517	1	1.14
8	6.19	sulfate	263.214	4796	66915	1	1.75
9	8.11	oxalate	251.875	2573	50275	1	2.01
		Totals	2606.554	65567	523248		

File: 96031841.d07 Sample: S96T000690 SPIKE



Data Reprocessed On 03/19/1996 09:26:59

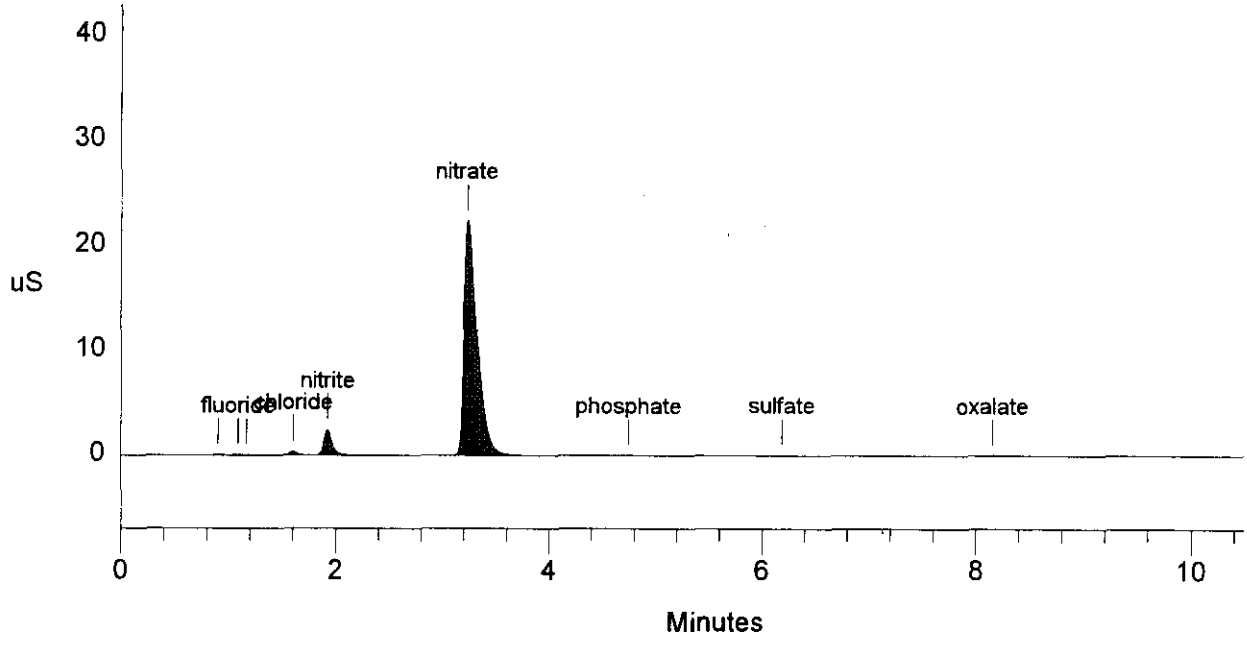
Sample Name: S96T000691 SAMPLE Date: 03/18/1996 23:49:55
Data File : C:\DX\DATA\96031841.d11 WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 11 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	67.67	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	77	379	1	
2	1.09	fluoride	1.431	38	162	2	4.13
3	1.17		0.000	45	144	2	
4	1.61	chloride	9.868	380	1719	1	0.42
5	1.93	nitrite	108.720	2475	13008	1	-0.69
6	3.23	nitrate	1515.227	22327	191570	1	2.97
7	4.75	phosphate	33.975	48	598	1	1.71
8	6.19	sulfate	22.177	67	1073	1	1.75
9	8.16	oxalate	13.951	61	1144	1	2.68
		Totals	1705.349	25517	209797		

File: 96031841.d11 Sample: S96T000691 SAMPLE



Data Reprocessed On 03/19/1996 09:27:02

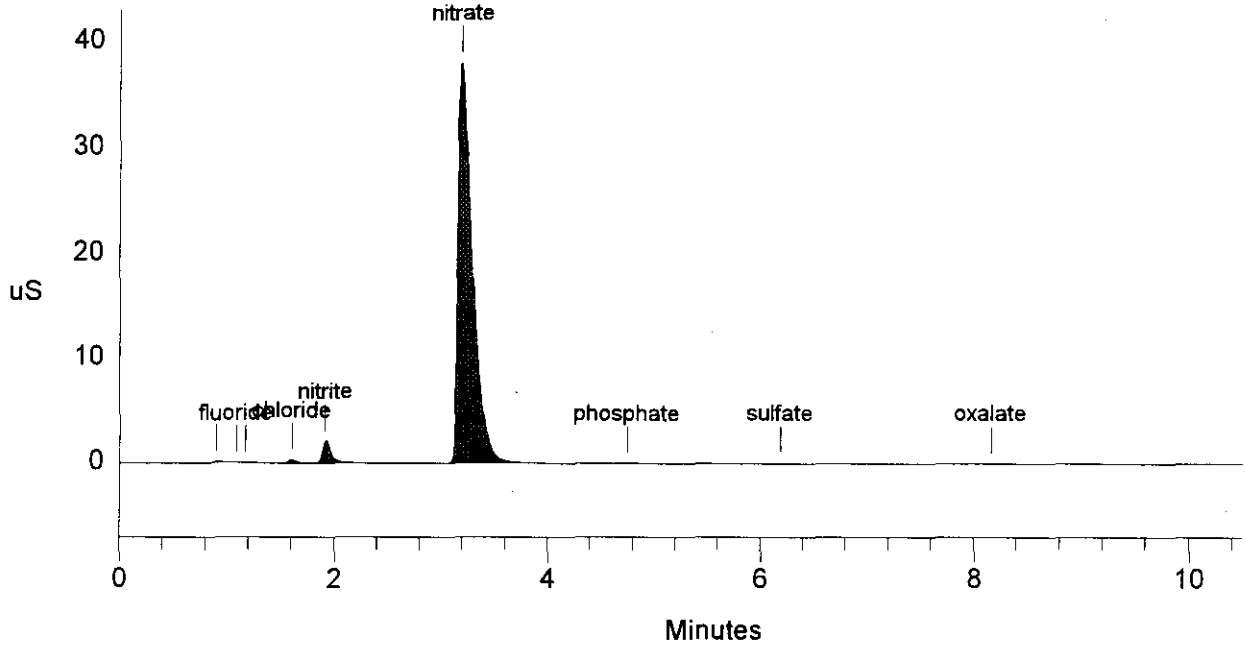
Sample Name: S96T000691 DUP.	Date: 03/19/1996 00:02:00
Data File : C:\DX\DATA\96031841.d12	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 12	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	67.67	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	125	666	2	
2	1.09	fluoride	1.372	32	145	2	3.49
3	1.17		0.000	37	119	2	
4	1.61	chloride	8.415	325	1449	1	0.42
5	1.92	nitrite	96.301	2104	11264	1	-1.03
6	3.19	nitrate	2697.032	37947	359356	1	1.70
7	4.75	phosphate	32.847	44	526	1	1.71
8	6.19	sulfate	23.036	68	1209	1	1.75
9	8.16	oxalate	13.137	57	1045	1	2.68
		Totals	2872.139	40739	375778		

File: 96031841.d12 Sample: S96T000691 DUP.



96031361-002 → 10

03/13/96 09:42
A-0004-1

LABCORE Data Entry Template for Worklist# 6327

Analyst: SRM **Instrument:** IC00 _____ **Book#** 133N9-A

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-107 @IC-01. RCJ Water digests have visible solids please filter + also filter blank + standard. Use 41 DF. JMF

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T000692	0	W	@IC-01	SOLID	96000085	U-107
		Analytes Requested: BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02						
5	DUP	S96T000692	0	W	@IC-01	SOLID		
6	SPK	S96T000692	0	W	@IC-01	SOLID		
7	SAMPLE	S96T000693	0	W	@IC-01	SOLID	96000085	U-107
		Analytes Requested: BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02						
8	DUP	S96T000693	0	W	@IC-01	SOLID		

Final page for worklist # 6327

S. Morris 3-14-96
Analyst Signature **Date**

Analyst Signature **Date**

Exported
Inshell
Uploaded 3/18/96 N. Smith

Data Entry Comments:

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 6327

Analyst: srm **Instrument:** IC01 **Book#** 133N9-A

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-107 @IC-01. RCJ

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1	<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1	<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1	<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1	<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1	<1.40e-1		ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	59	6.01e+01	101.860	% Recovery
2	CCV			0	@IC-QC	CL	QC	79	7.46e+01	94.430	% Recovery
2	CCV			0	@IC-QC	NO2	QC	537	5.39e+02	100.370	% Recovery
2	CCV			0	@IC-QC	BR	QC	575	5.76e+02	100.170	% Recovery
2	CCV			0	@IC-QC	NO3	QC	614	6.24e+02	101.630	% Recovery
2	CCV			0	@IC-QC	PO4	QC	546	5.46e+02	100.000	% Recovery
2	CCV			0	@IC-QC	SO4	QC	631	6.39e+02	101.270	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	509	5.45e+02	107.070	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1	<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1	6.10e-02	6.000e-002	ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1	<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1	<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1	5.18e-01	0.520	ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1	<1.20e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1	<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1	<1.05e-1		ug/g
4	SAMPLE	S96T000692	W	0	@IC-01	F-02	SOLID	N/A	6.520e+02	161.300	ug/g
4	SAMPLE	S96T000692	W	0	@IC-01	CL-02	SOLID	N/A	2.238e+03	210.900	ug/g
4	SAMPLE	S96T000692	W	0	@IC-01	NO2-02	SOLID	N/A	2.780e+04	1.328e+003	ug/g
4	SAMPLE	S96T000692	W	0	@IC-01	BR-02	SOLID	N/A <	1.563e+03	1.563e+003	ug/g
4	SAMPLE	S96T000692	W	0	@IC-01	NO3-02	SOLID	N/A	5.662e+05	1.736e+003	ug/g
4	SAMPLE	S96T000692	W	0	@IC-01	PO4-02	SOLID	N/A	7.861e+03	1.488e+003	ug/g
4	SAMPLE	S96T000692	W	0	@IC-01	SO4-02	SOLID	N/A	6.217e+03	1.686e+003	ug/g
4	SAMPLE	S96T000692	W	0	@IC-01	OXALATE2	SOLID	N/A	1.959e+03	1.303e+003	ug/g
5	DUP	S96T000692	W	0	@IC-01	F-02	SOLID	6.52e+02	6.83e+02	4.640	RPD
5	DUP	S96T000692	W	0	@IC-01	CL-02	SOLID	2.24e+03	2.66e+03	17.140	RPD
5	DUP	S96T000692	W	0	@IC-01	NO2-02	SOLID	2.78e+04	3.18e+04	13.420	RPD
5	DUP	S96T000692	W	0	@IC-01	BR-02	SOLID	<1.56e3	<1.59e3		RPD
5	DUP	S96T000692	W	0	@IC-01	NO3-02	SOLID	5.66e+05	5.27e+05	7.140	RPD
5	DUP	S96T000692	W	0	@IC-01	PO4-02	SOLID	7.86e+03	8.48e+03	7.590	RPD
5	DUP	S96T000692	W	0	@IC-01	SO4-02	SOLID	6.22e+03	6.41e+03	3.010	RPD
5	DUP	S96T000692	W	0	@IC-01	OXALATE2	SOLID	1.96e+03	<1.33e3		RPD
6	SPK	S96T000692	W	0	@IC-01	F-02	SOLID	59	60.212	102.050	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 6327

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
6	SPK	S96T000692	0	W	@IC-01	CL-02	SOLID	79	76.639	97.010	% Recovery
6	SPK	S96T000692	0	W	@IC-01	NO2-02	SOLID	537	540.562	100.660	% Recovery
6	SPK	S96T000692	0	W	@IC-01	BR-02	SOLID	575	553.463	96.250	% Recovery
6	SPK	S96T000692	0	W	@IC-01	NO3-02	SOLID	614	602.645	98.150	% Recovery
6	SPK	S96T000692	0	W	@IC-01	PO4-02	SOLID	546	493.658	90.410	% Recovery
6	SPK	S96T000692	0	W	@IC-01	SO4-02	SOLID	631	610.602	96.770	% Recovery
6	SPK	S96T000692	0	W	@IC-01	OXALATE2	SOLID	509	532.940	104.700	% Recovery
7	SAMPLE	S96T000693	0	W	@IC-01	F-02	SOLID	N/A <	1.676e+02	167.600	ug/g
7	SAMPLE	S96T000693	0	W	@IC-01	CL-02	SOLID	N/A	3.729e+03	219.100	ug/g
7	SAMPLE	S96T000693	0	W	@IC-01	NO2-02	SOLID	N/A	2.771e+04	1.379e+003	ug/g
7	SAMPLE	S96T000693	0	W	@IC-01	BR-02	SOLID	N/A <	1.624e+03	1.624e+003	ug/g
7	SAMPLE	S96T000693	0	W	@IC-01	NO3-02	SOLID	N/A	4.998e+05	1.803e+003	ug/g
7	SAMPLE	S96T000693	0	W	@IC-01	PO4-02	SOLID	N/A	7.251e+03	1.545e+003	ug/g
7	SAMPLE	S96T000693	0	W	@IC-01	SO4-02	SOLID	N/A	6.442e+03	1.752e+003	ug/g
7	SAMPLE	S96T000693	0	W	@IC-01	OXALATE2	SOLID	N/A <	1.353e+03	1.353e+003	ug/g
8	DUP	S96T000693	0	W	@IC-01	F-02	SOLID	<1.68e2	<1.62e2		RPD
8	DUP	S96T000693	0	W	@IC-01	CL-02	SOLID	3.73e+03	2.18e+03	52.450	RPD
8	DUP	S96T000693	0	W	@IC-01	NO2-02	SOLID	2.77e+04	2.70e+04	2.560	RPD
8	DUP	S96T000693	0	W	@IC-01	BR-02	SOLID	<1.62e3	<1.57e3		RPD
8	DUP	S96T000693	0	W	@IC-01	NO3-02	SOLID	5.00e+05	5.43e+05	8.250	RPD
8	DUP	S96T000693	0	W	@IC-01	PO4-02	SOLID	7.25e+03	6.84e+03	5.820	RPD
8	DUP	S96T000693	0	W	@IC-01	SO4-02	SOLID	6.44e+03	6.01e+03	6.910	RPD
8	DUP	S96T000693	0	W	@IC-01	OXALATE2	SOLID	<1.35e3	<1.31e3		RPD

Final page for worklist# 6327

Analyst Signature Date

Analyst Signature Date

Neil Smith 3/19/96

Reviewer Signature Date

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 18-Mar-96

Worklist#: 6327

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S96T000692
=>	5	DUP	S96T000692
=>	6	SPK	S96T000692
=>	7	SAMPLE	S96T000693
=>	8	DUP	S96T000693

Data File: 6327MAR.CSV

Seq#	Data File	Sample Name	Dilution
1	96031341.d01	BLANK	1.00
	96031341.d02	BLANK (FILTERE	1.00
2	96031361.d01	STANDARD 133N9-	101.00
	96031361.d02	STANDARD 133N9-	101.00
3	96031361.d03	PREP BLANK	1.00
	96031361.d04	S96T000692 FILT	101.00
4	96031361.d05	S96T000692 FILT	67.67
5	96031361.d06	S96T000692 DUP	67.67
6	96031361.d07	S96T000692 SPIK	67.67
	96031361.d08	S96T000693 FILT	101.00
7	96031361.d09	S96T000693 FILT	67.67
8	96031361.d10	S96T000693 DUP	67.67

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 03/15/1996 09:41:45

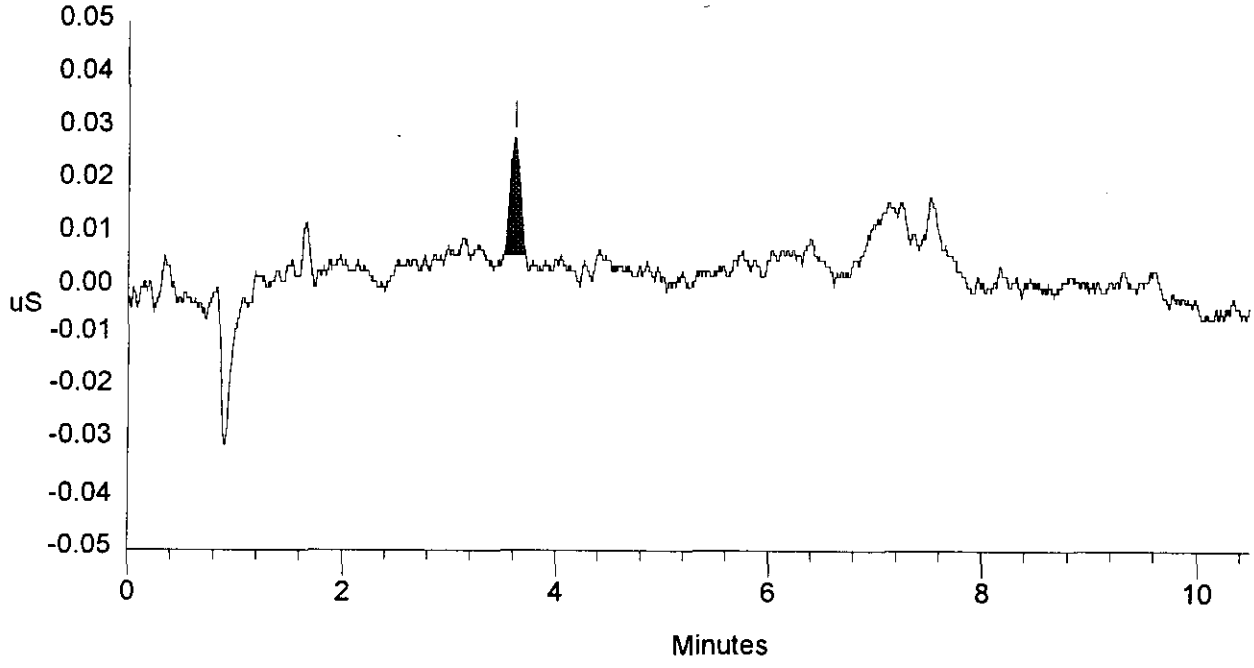
Sample Name: BLANK	Date: 03/14/1996 08:43:09
Data File : C:\DX\DATA\96031341.d01	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 1	Detector:CDM-1
Analyst : [illegible] Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	3.61		0.000	22	139	1	
		Totals	0.000	22	139		

File: 96031341.d01 Sample: BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 262 TO 273.

Data Reprocessed On 03/15/1996 09:41:48

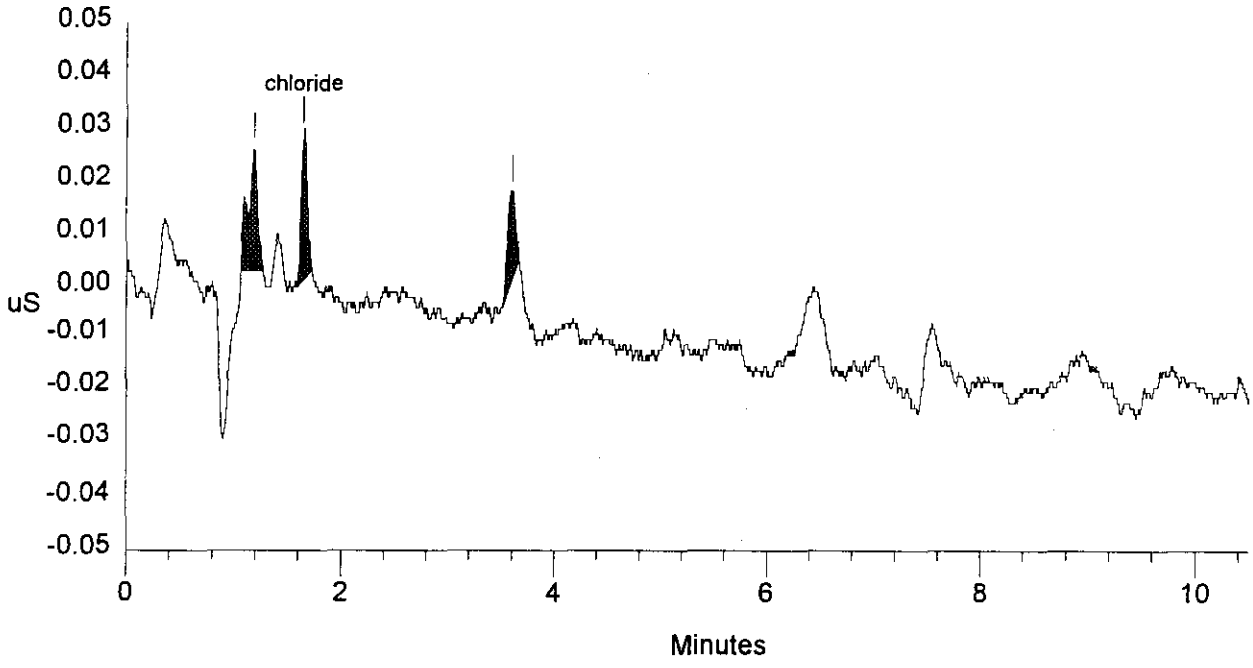
Sample Name: BLANK (FILTERED)	Date: 03/14/1996 08:56:00
Data File : C:\DX\DATA\96031341.d02	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 2	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.19		0.000	23	145	1	
2	1.65	chloride	0.022	28	112	1	3.33
		Totals	0.022	51	257		

File: 96031341.d02 Sample: BLANK (FILTERED)



Data Reprocessed On 03/15/1996 09:41:50

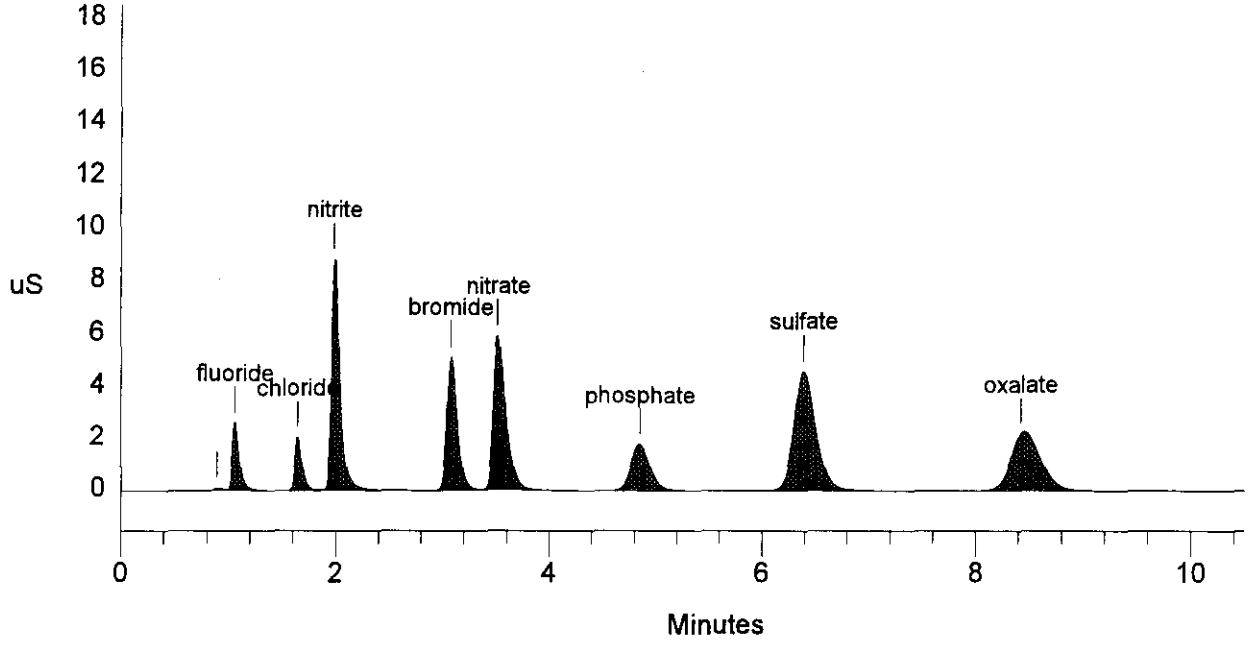
Sample Name: STANDARD 133N9-A	Date: 03/14/1996 09:44:02
Data File : C:\DX\DATA\96031361.d01	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 1	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	70	325	2	
2	1.06	fluoride	60.066	2597	12119	2	3.92
3	1.65	chloride	74.622	2042	9669	1	2.92
4	1.99	nitrite	538.851	8791	49086	1	2.22
5	3.08	bromide	576.416	5082	34988	1	-0.32
6	3.52	nitrate	623.892	5884	48699	1	4.45
7	4.85	phosphate	546.440	1775	22284	1	2.18
8	6.40	sulfate	638.591	4577	65520	1	1.75
9	8.43	oxalate	545.056	2189	43975	1	2.60
		Totals	3603.934	33006	286665		

File: 96031361.d01 Sample: STANDARD 133N9-A



Data Reprocessed On 03/15/1996 09:41:53

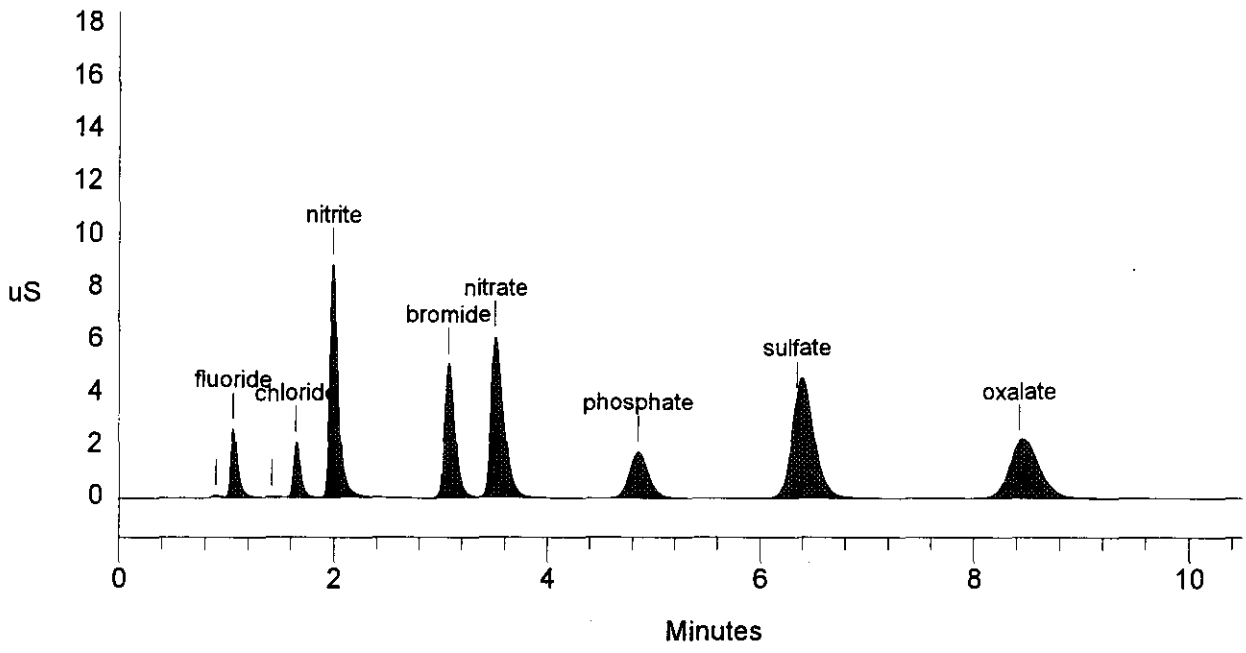
Sample Name: STANDARD 133N9-A FILTERED Date: 03/14/1996 10:02:23
Data File : C:\DX\DATA\96031361.d02 WHC-SD-WM-DP-184, REV.
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 2 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	77	354	2	
2	1.06	fluoride	60.081	2597	12123	2	3.92
3	1.42		0.000	39	252	2	
4	1.65	chloride	74.641	2096	9671	1	2.92
5	1.99	nitrite	534.752	8866	48683	1	2.22
6	3.07	bromide	566.576	5064	34345	1	-0.54
7	3.51	nitrate	642.662	6070	50287	1	4.25
8	4.85	phosphate	541.101	1763	22044	1	2.18
9	6.35	sulfate	636.194	3834	65256	1	0.90
10	8.43	oxalate	543.141	2176	43816	1	2.60
		Totals	3599.149	32582	286830		

File: 96031361.d02 Sample: STANDARD 133N9-A FILTERED



Data Reprocessed On 03/15/1996 09:41:56

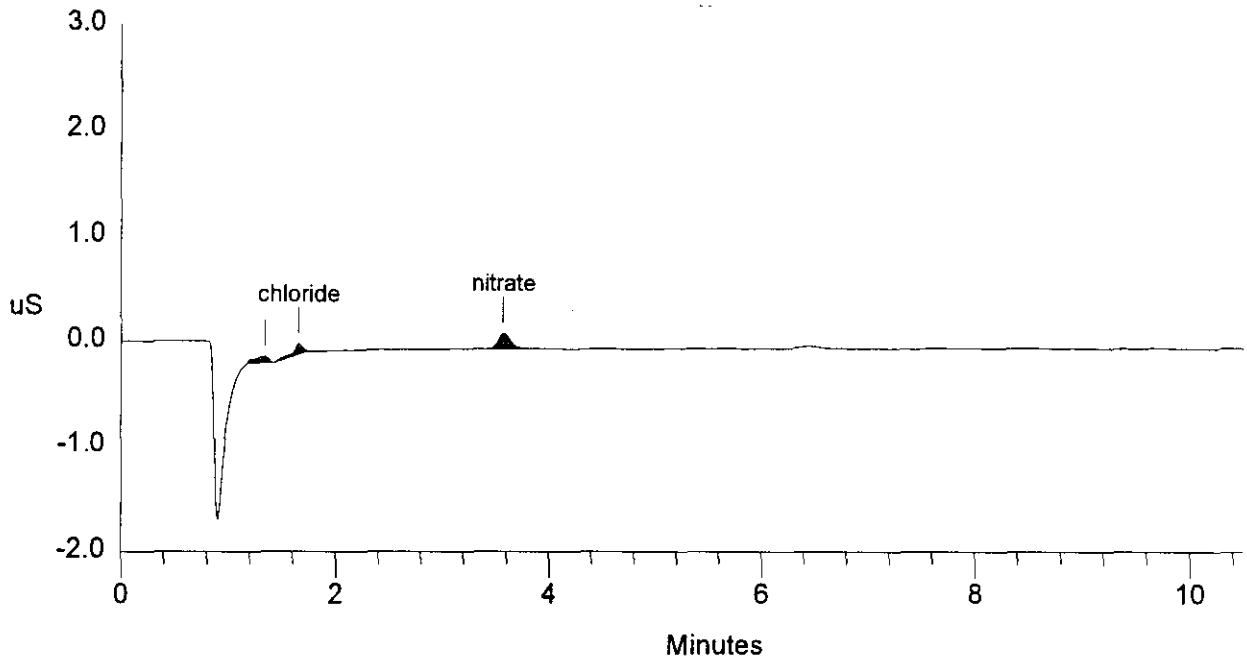
Sample Name: PREP BLANK	Date: 03/14/1996 10:17:37
Data File : C:\DX\DATA\96031361.d03	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 3	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.34		0.000	58	552	1	
2	1.66	chloride	0.061	97	619	1	3.75
3	3.57	nitrate	0.518	144	1070	1	6.03
		Totals	0.578	299	2241		

File: 96031361.d03 Sample: PREP BLANK



Data Reprocessed On 03/15/1996 09:41:58

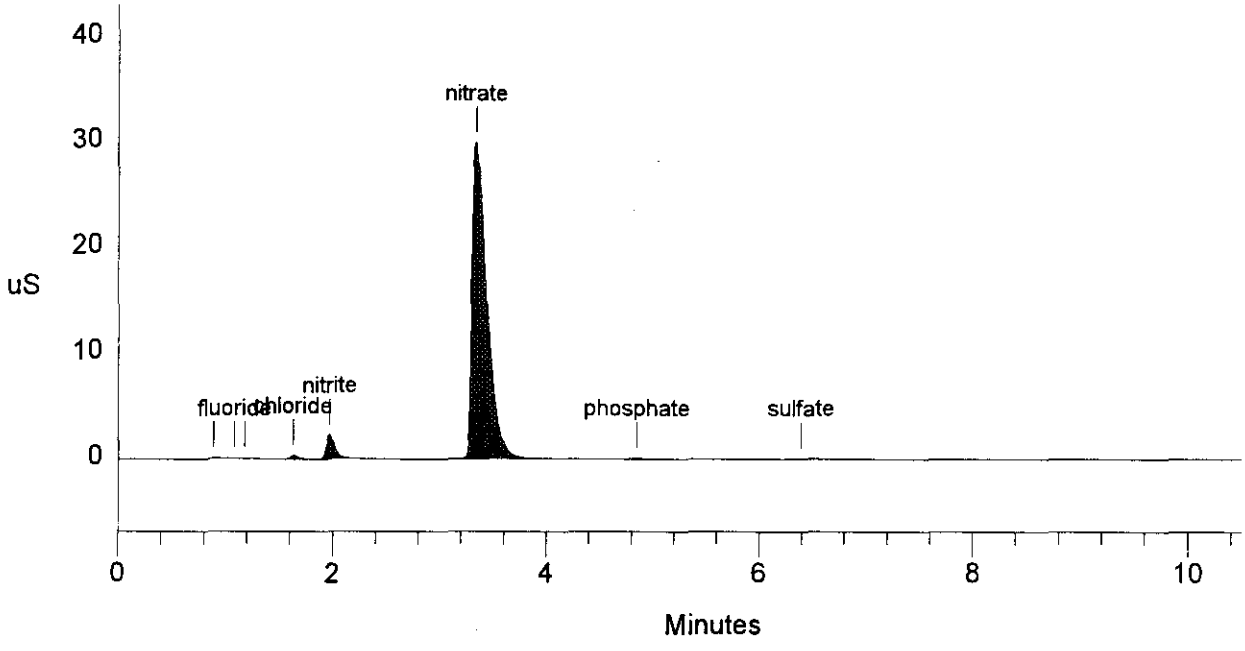
Sample Name: S96T000692 FILTERED Date: 03/14/1996 13:28:05
Data File : C:\DX\DATA\96031361.d04
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 4 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.89		0.000	72	343	1	
2	1.09	fluoride	4.936	44	205	2	6.54
3	1.18		0.000	41	135	2	
4	1.63	chloride	12.800	332	1488	1	2.08
5	1.97	nitrite	163.198	2262	12260	1	1.20
6	3.34	nitrate	3226.608	29855	285700	1	-0.89
7	4.85	phosphate	57.776	44	513	1	2.18
8	6.40	sulfate	46.632	79	1296	1	1.75
		Totals	3511.949	32729	301939		

File: 96031361.d04 Sample: S96T000692 FILTERED



Data Reprocessed On 03/15/1996 09:42:01

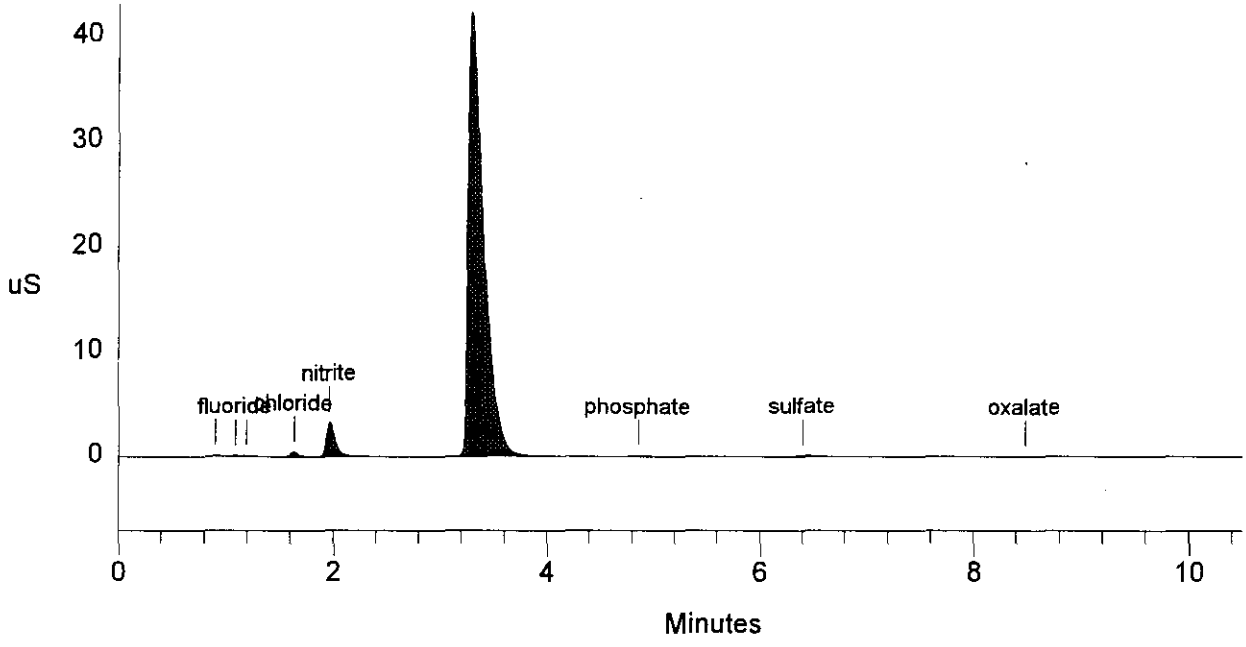
Sample Name: S96T000692 FILTERED Date: 03/14/1996 13:43:21
Data File : C:\DX\DATA\96031361.d05 WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 5 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	67.67	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	108	517	2	
2	1.09	fluoride	3.556	58	284	2	6.54
3	1.19		0.000	60	204	2	
4	1.63	chloride	12.204	467	2197	1	2.08
5	1.97	nitrite	151.601	3305	18426	1	0.85
6	3.29	nitrate	3088.209	42083	429457	1	-2.27
7	4.85	phosphate	42.873	67	787	1	2.18
8	6.40	sulfate	33.905	109	1721	1	1.75
9	8.48	oxalate	10.683	20	350	1	3.25
		Totals	3343.030	46277	453942		

File: 96031361.d05 Sample: S96T000692 FILTERED



Data Reprocessed On 03/15/1996 09:42:03

Sample Name: S96T000692 DUP FILTERED Date: 03/14/1996 14:03:45
Data File : C:\DX\DATA\96031361.d06
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 6 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

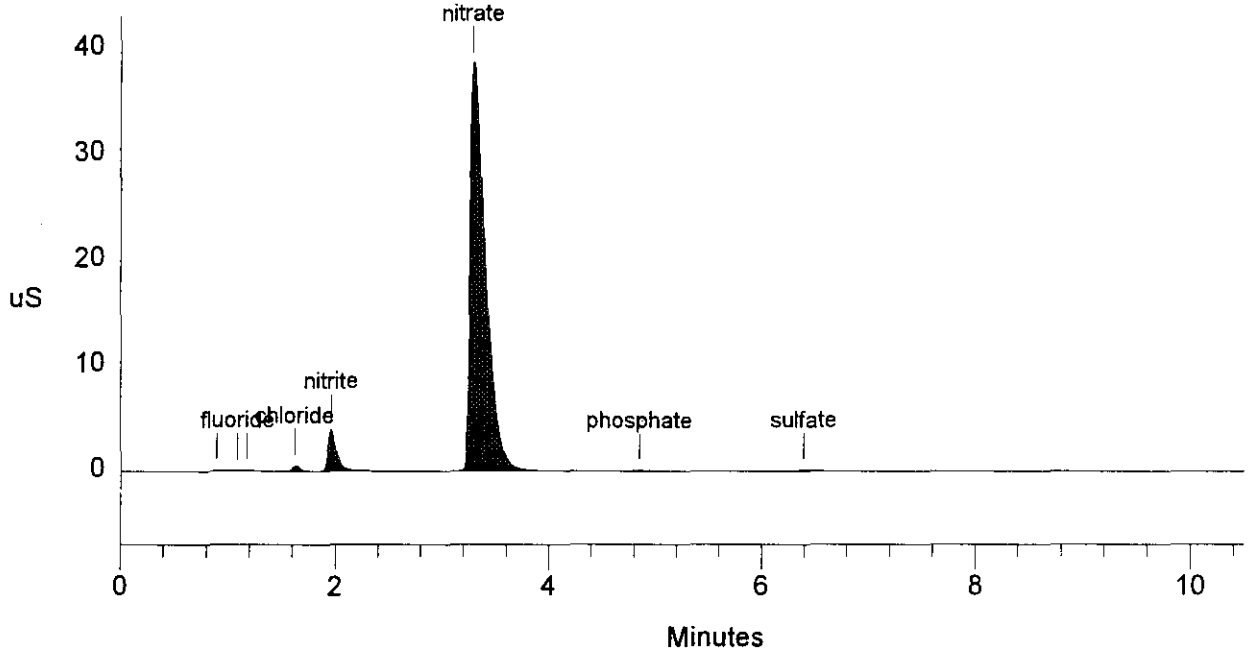
WHC-SD-WM-DP-184, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	67.67	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	103	495	1	
2	1.09	fluoride	3.660	65	317	2	7.19
3	1.18		0.000	71	239	2	
4	1.63	chloride	14.257	551	2599	1	1.67
5	1.97	nitrite	170.569	3851	21195	1	0.85
6	3.29	nitrate	2822.239	38500	386572	1	-2.27
7	4.85	phosphate	45.429	79	956	1	2.18
8	6.40	sulfate	34.348	125	1791	1	1.75
		Totals	3090.503	43344	414164		

File: 96031361.d06 Sample: S96T000692 DUP FILTERED



Data Reprocessed On 03/15/1996 09:42:06

Sample Name: S96T000692 SPIKE FILTERED Date: 03/14/1996 14:16:18
Data File : C:\DX\DATA\96031361.d07
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 7 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

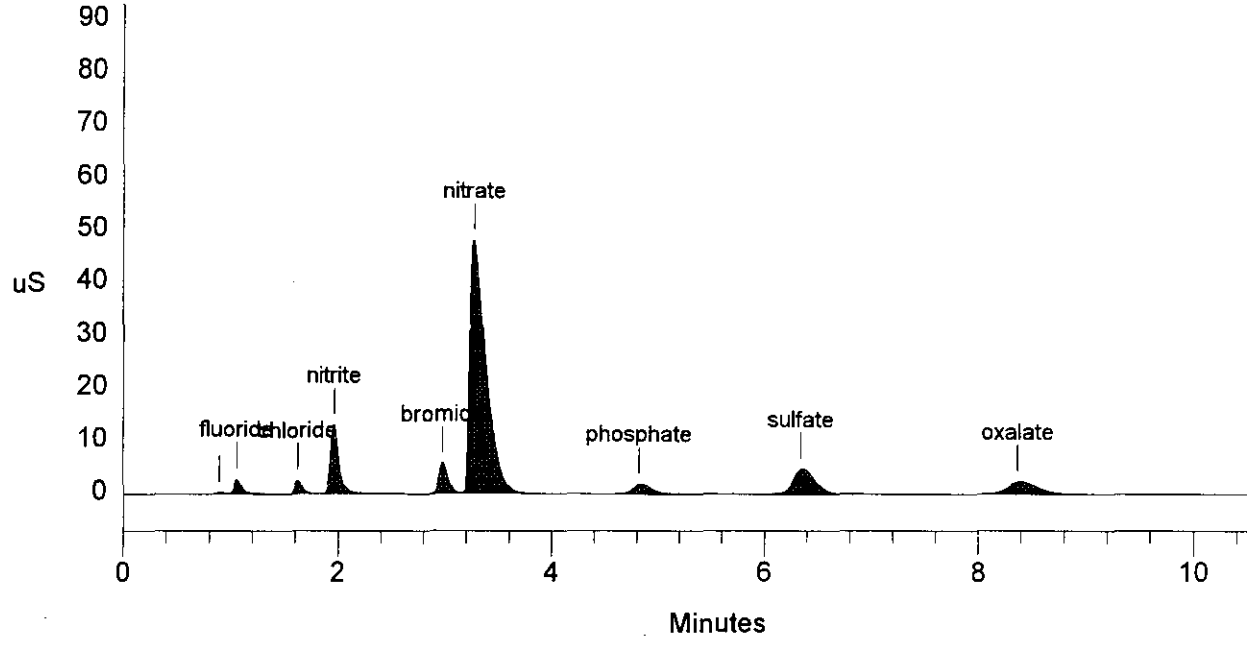
WHC-SD-WM-DP-184, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	67.67	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	190	892	2	
2	1.06	fluoride	43.682	2705	13243	2	3.92
3	1.63	chloride	63.311	2513	12341	1	1.67
4	1.97	nitrite	511.791	12977	71267	1	0.85
5	2.98	bromide	368.815	5674	33294	1	-3.56
6	3.27	nitrate	3494.370	47824	497894	1	-2.87
7	4.83	phosphate	372.172	1819	22690	1	1.61
8	6.35	sulfate	441.310	4618	67735	1	0.90
9	8.37	oxalate	365.671	2210	44035	1	1.95
		Totals	5661.121	80529	763391		

File: 96031361.d07 Sample: S96T000692 SPIKE FILTERED



Data Reprocessed On 03/15/1996 09:42:09

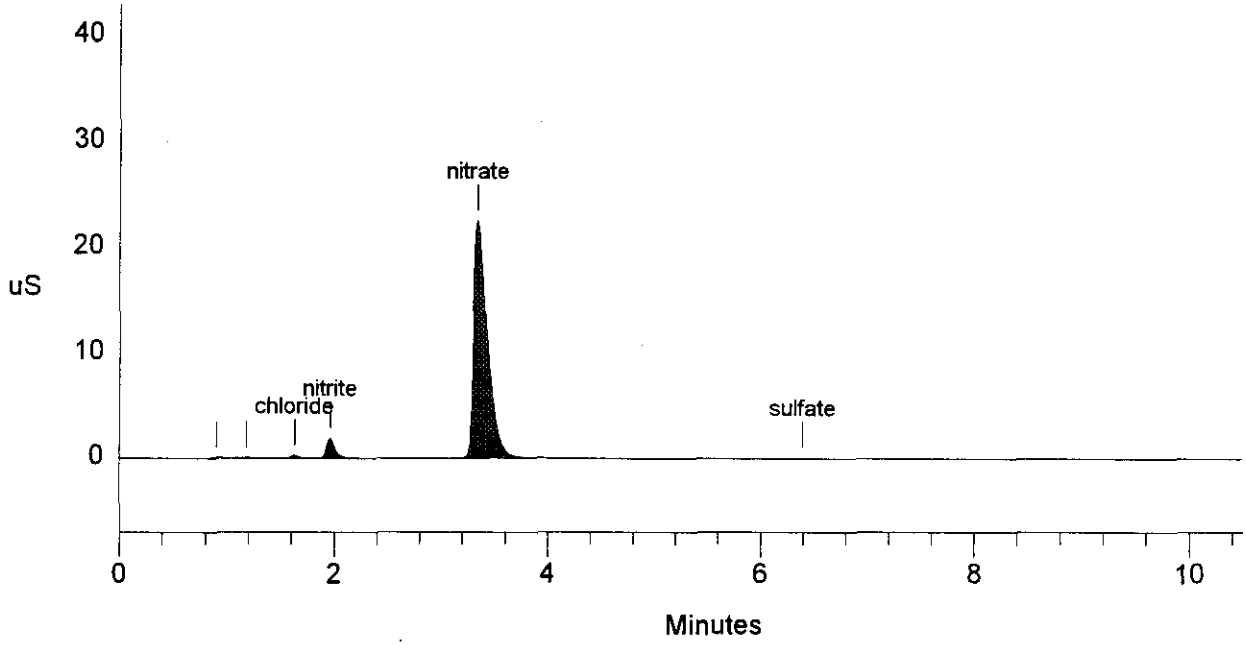
Sample Name: S96T000693 FILTERED Date: 03/14/1996 14:32:26
Data File : C:\DX\DATA\96031361.d08 WHC-SD-WM-DP-184, REV.
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 8 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	50	292	1	
2	1.18		0.000	33	181	1	
3	1.63	chloride	11.472	291	1315	1	2.08
4	1.97	nitrite	143.973	1921	10382	1	0.85
5	3.34	nitrate	2356.289	22483	202270	1	-0.89
6	6.40	sulfate	43.787	69	992	1	1.75
		Totals	2555.521	24847	215433		

File: 96031361.d08 Sample: S96T000693 FILTERED



Data Reprocessed On 03/15/1996 09:42:11

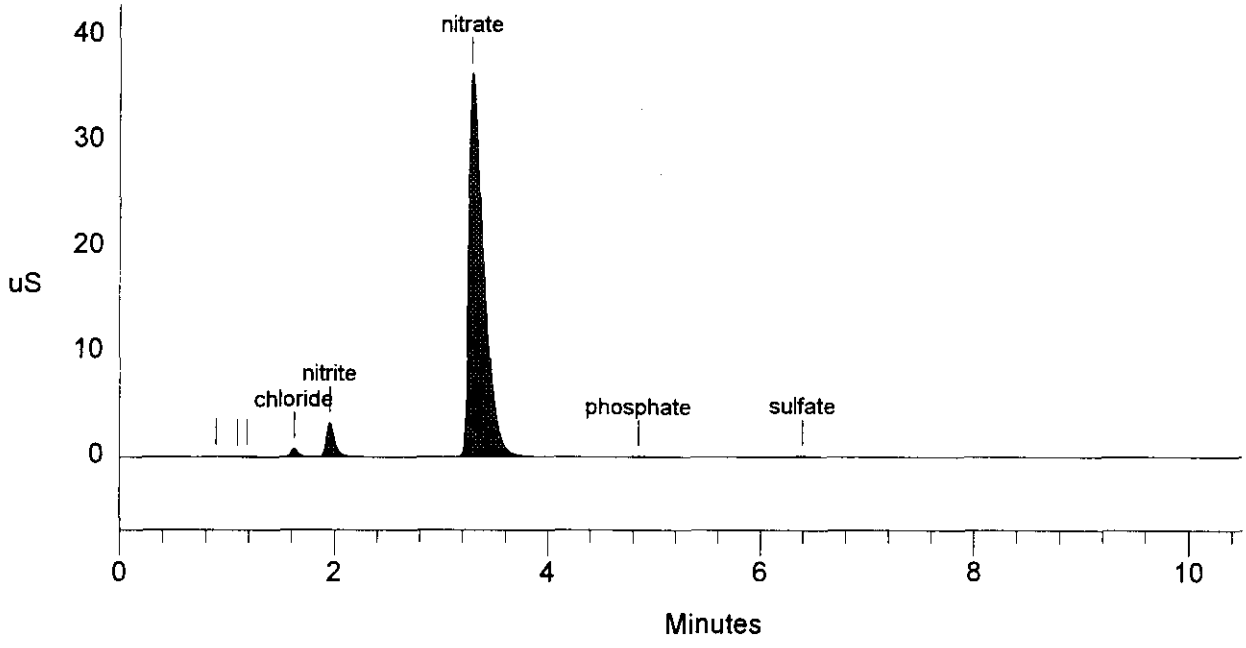
Sample Name: S96T000693 FILTERED Date: 03/14/1996 14:49:59
Data File : C:\DX\DATA\96031361.d09 WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 9 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	67.67	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	93	535	2	
2	1.10		0.000	60	251	2	
3	1.19		0.000	100	688	2	
4	1.63	chloride	19.576	776	3642	1	1.67
5	1.96	nitrite	145.486	3223	17533	1	0.51
6	3.29	nitrate	2623.975	36287	355494	1	-2.27
7	4.85	phosphate	38.067	37	470	1	2.18
8	6.40	sulfate	33.821	114	1707	1	1.75
		Totals	2860.925	40691	380320		

File: 96031361.d09 Sample: S96T000693 FILTERED



Data Reprocessed On 03/15/1996 09:42:14

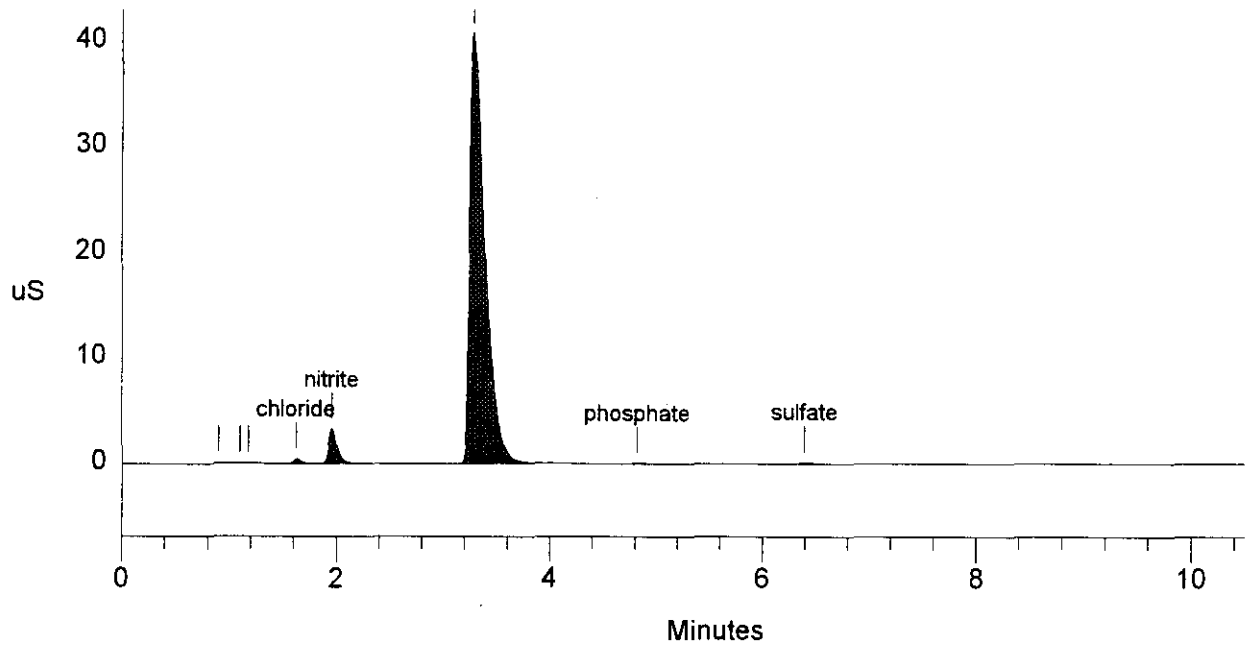
Sample Name: S96T000693 DUP FILTERED Date: 03/14/1996 15:07:01
Data File : C:\DX\DATA\96031361.d10
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 10 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	67.67	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	99	527	1	
2	1.11		0.000	31	106	2	
3	1.18		0.000	61	198	2	
4	1.63	chloride	11.825	459	2123	1	1.67
5	1.96	nitrite	146.435	3246	17671	1	0.51
6	3.28	nitrate	2950.775	40719	407119	1	-2.67
7	4.83	phosphate	37.064	31	404	1	1.61
8	6.40	sulfate	32.618	106	1515	1	1.75
		Totals	3178.718	44752	429664		

File: 96031361.d10 Sample: S96T000693 DUP FILTERED



LABCORE Data Entry Template for Worklist# 6622

Analyst: KRQ **Instrument:** IC00 _____ **Book#** 133N9-C

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-107 IC. nds

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	SAMPLE	S96T000682	0		@IC-01	LIQUID	96000085	U-107
		Analytes Requested: BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
4	DUP	S96T000682	0		@IC-01	LIQUID		
5	SPK	S96T000682	0		@IC-01	LIQUID		
6	SAMPLE	S96T000665	0		@IC-01	LIQUID	96000085	U-107
		Analytes Requested: BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
7	DUP	S96T000665	0		@IC-01	LIQUID		

Final page for worklist # 6622

[signature] for KRQ 4/2/96

Analyst Signature **Date**

Analyst Signature **Date**

Shell

~~Uploaded 4/15/96~~ done

NDS 4/15/96

Data Entry Comments:

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 6622

Analyst: krq **Instrument:** IC01 **Book#** 133U9C

Method: LA-533/05 Rev/Mod D-1

Worklist Comment: U-107 IC. nds

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1	<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1	<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1	<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1	<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1	<1.40e-1		ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	59	6.07e+01	102.881	% Recovery
2	CCV			0	@IC-QC	CL	QC	79	7.77e+01	98.354	% Recovery
2	CCV			0	@IC-QC	NO2	QC	534	5.45e+02	102.060	% Recovery
2	CCV			0	@IC-QC	BR	QC	575	5.73e+02	99.652	% Recovery
2	CCV			0	@IC-QC	NO3	QC	614	6.29e+02	102.443	% Recovery
2	CCV			0	@IC-QC	PO4	QC	546	5.40e+02	98.901	% Recovery
2	CCV			0	@IC-QC	SO4	QC	631	6.38e+02	101.109	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	504	5.21e+02	103.373	% Recovery
3	SAMPLE	S96T000682		0	@IC-01	F-02	LIQUID	N/A	4.990e+02	53.830	ug/mL
3	REJECT	S96T000682		0	@IC-01	F-02	LIQUID	N/A	4.990e+02		ug/mL
3	SAMPLE	S96T000682		0	@IC-01	CL-02	LIQUID	N/A	7.742e+03	70.400	ug/mL
3	REJECT	S96T000682		0	@IC-01	CL-02	LIQUID	N/A	7.742e+03		ug/mL
3	SAMPLE	S96T000682		0	@IC-01	NO2-02	LIQUID	N/A	9.395e+04	443.100	ug/mL
3	REJECT	S96T000682		0	@IC-01	NO2-02	LIQUID	N/A	9.395e+04		ug/mL
3	SAMPLE	S96T000682		0	@IC-01	BR-02	LIQUID	N/A <	5.218e+02	521.800	ug/mL
3	REJECT	S96T000682		0	@IC-01	BR-02	LIQUID	N/A <	5.218e+02		ug/mL
3	SAMPLE	S96T000682		0	@IC-01	NO3-02	LIQUID	N/A	2.207e+05	579.700	ug/mL
3	REJECT	S96T000682		0	@IC-01	NO3-02	LIQUID	N/A	2.207e+05		ug/mL
3	SAMPLE	S96T000682		0	@IC-01	PO4-02	LIQUID	N/A	3.699e+03	492.400	ug/mL
3	REJECT	S96T000682		0	@IC-01	PO4-02	LIQUID	N/A	3.699e+03		ug/mL
3	SAMPLE	S96T000682		0	@IC-01	SO4-02	LIQUID	N/A	6.374e+03	562.800	ug/mL
3	REJECT	S96T000682		0	@IC-01	SO4-02	LIQUID	N/A	6.374e+03		ug/mL
3	SAMPLE	S96T000682		0	@IC-01	OXALATE2	LIQUID	N/A	5.305e+02	434.800	ug/mL
3	REJECT	S96T000682		0	@IC-01	OXALATE2	LIQUID	N/A	5.305e+02		ug/mL
4	DUP	S96T000682		0	@IC-01	F-02	LIQUID	4.99e+02	4.96e+02	0.603	RPD
4	DUP	S96T000682		0	@IC-01	CL-02	LIQUID	7.74e+03	7.67e+03	0.909	RPD
4	DUP	S96T000682		0	@IC-01	NO2-02	LIQUID	9.40e+04	9.38e+04	0.213	RPD
4	DUP	S96T000682		0	@IC-01	BR-02	LIQUID	<5.22e2	<5.22e2		RPD
4	DUP	S96T000682		0	@IC-01	NO3-02	LIQUID	2.21e+05	2.21e+05	0.000	RPD
4	DUP	S96T000682		0	@IC-01	PO4-02	LIQUID	3.70e+03	3.48e+03	6.128	RPD
4	DUP	S96T000682		0	@IC-01	SO4-02	LIQUID	6.37e+03	6.28e+03	1.423	RPD
4	DUP	S96T000682		0	@IC-01	OXALATE2	LIQUID	5.30e+02	5.18e+02	2.290	RPD
5	SPK	S96T000682		0	@IC-01	F-02	LIQUID	59	5.03e+01	85.254	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 6622

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
5	SPK	S96T000682		0	@IC-01	CL-02	LIQUID	79	8.25e+01	104.430	% Recovery
5	SPK	S96T000682		0	@IC-01	NO2-02	LIQUID	534	5.29e+02	99.064	% Recovery
5	SPK	S96T000682		0	@IC-01	BR-02	LIQUID	575	5.55e+02	96.522	% Recovery
5	SPK	S96T000682		0	@IC-01	NO3-02	LIQUID	614	5.70e+02	92.834	% Recovery
5	SPK	S96T000682		0	@IC-01	PO4-02	LIQUID	546	5.31e+02	97.253	% Recovery
5	SPK	S96T000682		0	@IC-01	SO4-02	LIQUID	631	6.17e+02	97.781	% Recovery
5	SPK	S96T000682		0	@IC-01	OXALATE2	LIQUID	504	5.10e+02	101.190	% Recovery
6	SAMPLE	S96T000665		0	@IC-01	F-02	LIQUID	N/A	4.575e+02	53.830	ug/mL
6	REJECT	S96T000665		0	@IC-01	F-02	LIQUID	N/A	4.575e+02		ug/mL
6	SAMPLE	S96T000665		0	@IC-01	CL-02	LIQUID	N/A	7.199e+03	70.400	ug/mL
6	REJECT	S96T000665		0	@IC-01	CL-02	LIQUID	N/A	7.199e+03		ug/mL
6	SAMPLE	S96T000665		0	@IC-01	NO2-02	LIQUID	N/A	8.827e+04	443.100	ug/mL
6	REJECT	S96T000665		0	@IC-01	NO2-02	LIQUID	N/A	8.827e+04		ug/mL
6	SAMPLE	S96T000665		0	@IC-01	BR-02	LIQUID	N/A <	5.218e+02	521.800	ug/mL
6	REJECT	S96T000665		0	@IC-01	BR-02	LIQUID	N/A <	5.218e+02		ug/mL
6	SAMPLE	S96T000665		0	@IC-01	NO3-02	LIQUID	N/A	2.036e+05	579.700	ug/mL
6	REJECT	S96T000665		0	@IC-01	NO3-02	LIQUID	N/A	2.036e+05		ug/mL
6	SAMPLE	S96T000665		0	@IC-01	PO4-02	LIQUID	N/A	3.534e+03	492.400	ug/mL
6	REJECT	S96T000665		0	@IC-01	PO4-02	LIQUID	N/A	3.534e+03		ug/mL
6	SAMPLE	S96T000665		0	@IC-01	SO4-02	LIQUID	N/A	5.940e+03	562.800	ug/mL
6	REJECT	S96T000665		0	@IC-01	SO4-02	LIQUID	N/A	5.940e+03		ug/mL
6	SAMPLE	S96T000665		0	@IC-01	OXALATE2	LIQUID	N/A	5.658e+02	434.800	ug/mL
6	REJECT	S96T000665		0	@IC-01	OXALATE2	LIQUID	N/A	5.658e+02		ug/mL
7	DUP	S96T000665		0	@IC-01	F-02	LIQUID	4.58e+02	4.51e+02	1.540	RPD
7	DUP	S96T000665		0	@IC-01	CL-02	LIQUID	7.20e+03	7.33e+03	1.789	RPD
7	DUP	S96T000665		0	@IC-01	NO2-02	LIQUID	8.83e+04	8.94e+04	1.238	RPD
7	DUP	S96T000665		0	@IC-01	BR-02	LIQUID	<5.22e2	<5.22e2		RPD
7	DUP	S96T000665		0	@IC-01	NO3-02	LIQUID	2.04e+05	2.09e+05	2.421	RPD
7	DUP	S96T000665		0	@IC-01	PO4-02	LIQUID	3.53e+03	3.74e+03	5.777	RPD
7	DUP	S96T000665		0	@IC-01	SO4-02	LIQUID	5.94e+03	6.18e+03	3.960	RPD
7	DUP	S96T000665		0	@IC-01	OXALATE2	LIQUID	5.66e+02	6.87e+02	19.314	RPD

Final page for worklist# 6622

Analyst Signature Date

Analyst Signature Date

James Frye 4/19/96
Reviewer Signature Date

Reuploaded to correct upload program problem. JMF

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 15-Apr-96

Worklist#: 6622

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	SAMPLE	S96T000682
=>	4	DUP	S96T000682
=>	5	SPK	S96T000682
=>	6	SAMPLE	S96T000665
=>	7	DUP	S96T000665

Data File: 6622APR.CSV

Seq#	Data File	Sample Name	Dilution
2	96040251.d04	CCV 133N9-C	101.00
1	96030881.d01	BLANK	1.00
3	96030881.d02	S96T000682 SAMPL	4141.00
4	96030881.d03	S96T000682 DUP	4141.00
5	96030881.d04	S96T000682 SPIKE	4141.00
6	96030881.d05	S96T000665 SAMPL	4141.00
7	96030881.d06	S96T000665 DUP	4141.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 04/09/1996 10:52:05

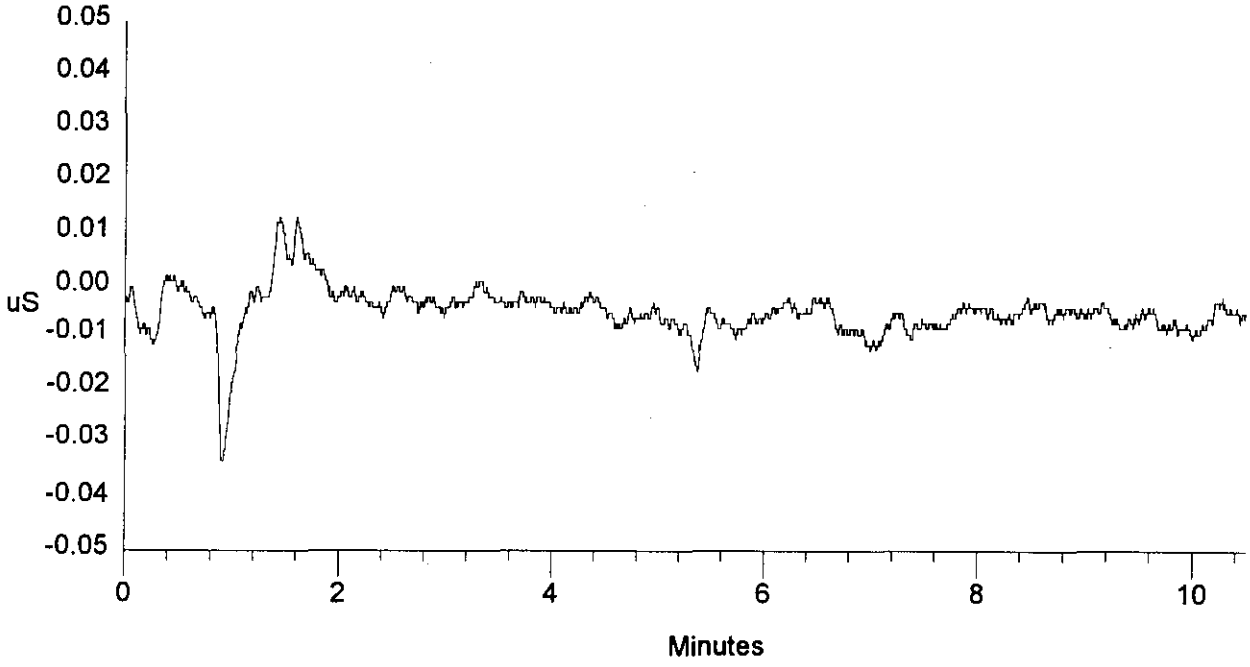
Sample Name: BLANK
Date: 04/02/1996 03:25:49
Data File : C:\DX\DATA\96030881.d01
Method : C:\DX\METHOD\AUTOMEL.met
WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 1 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
		Totals	0.000	0	0		

File: 96030881.d01 Sample: BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 278 TO 285

Data Reprocessed On 04/09/1996 10:52:03

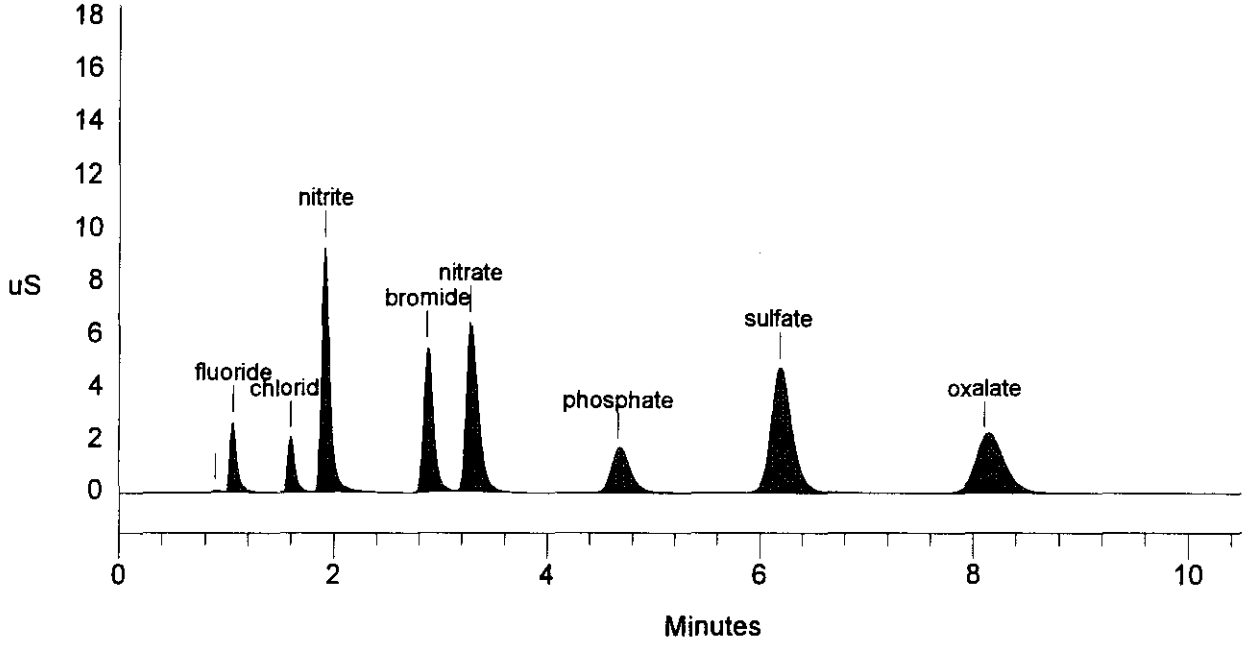
Sample Name: CCV 133N9-C Date: 04/02/1996 02:32:30
Data File : C:\DX\DATA\96040251.d04
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 4 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	61	272	2	
2	1.06	fluoride	60.688	2662	11847	2	0.95
3	1.60	chloride	77.665	2096	9653	1	0.00
4	1.92	nitrite	545.368	9292	49278	1	-1.03
5	2.88	bromide	573.108	5488	34231	1	-0.69
6	3.28	nitrate	629.118	6424	49332	1	-2.67
7	4.67	phosphate	540.112	1654	21558	1	0.00
8	6.19	sulfate	638.094	4745	65794	1	1.75
9	8.11	oxalate	521.246	2113	42081	1	2.01
		Totals	3585.398	34536	284044		

File: 96040251.d04 Sample: CCV 133N9-C



Data Reprocessed On 04/09/1996 10:52:07

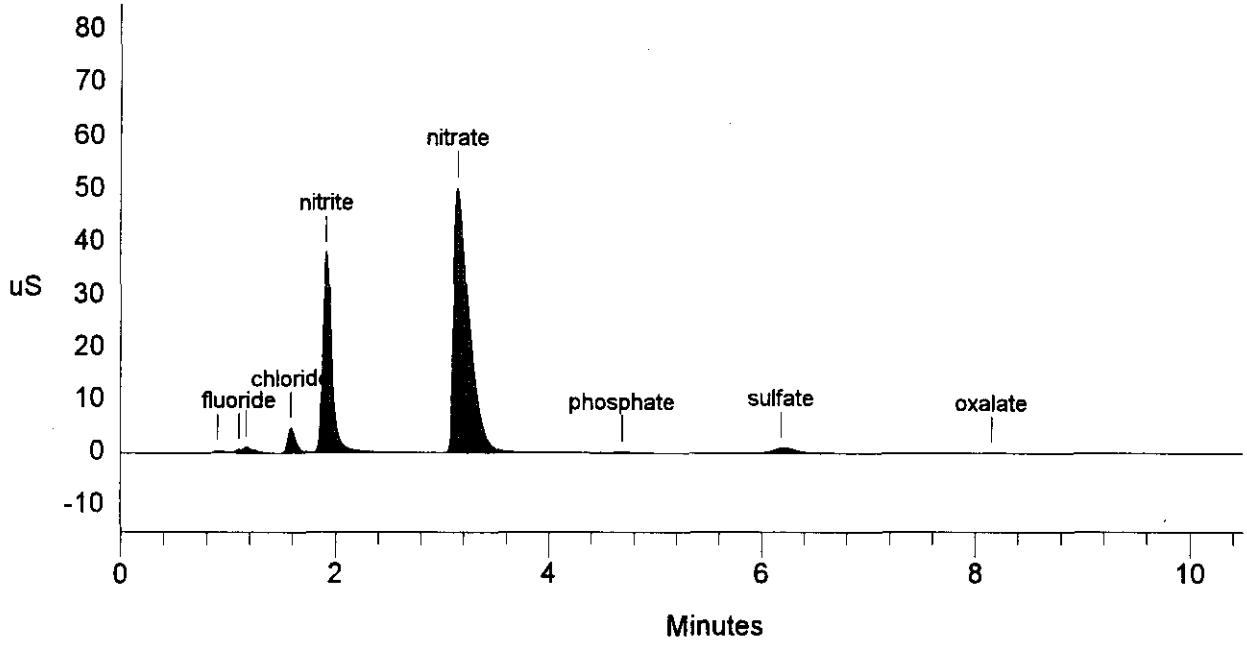
Sample Name: S96T000682 SAMPLE	Date: 04/02/1996 03:39:01
Data File : C:\DX\DATA\96030881.d02	WHC-SD-WM-DP-184, REV.
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 2	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	4141	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	416	2434	2	
2	1.11	fluoride	499.044	620	2142	2	5.40
3	1.17		0.000	1168	7987	2	
4	1.59	chloride	7742.103	4731	24100	1	-0.83
5	1.92	nitrite	93952.114	38015	221012	1	-1.03
6	3.15	nitrate	220674.294	50346	501449	1	0.21
7	4.69	phosphate	3699.219	187	2277	1	0.57
8	6.19	sulfate	6373.956	892	13998	1	1.75
9	8.16	oxalate	530.497	25	504	1	2.68
		Totals	333471.227	96400	775903		

File: 96030881.d02 Sample: S96T000682 SAMPLE



Data Reprocessed On 04/09/1996 10:52:09

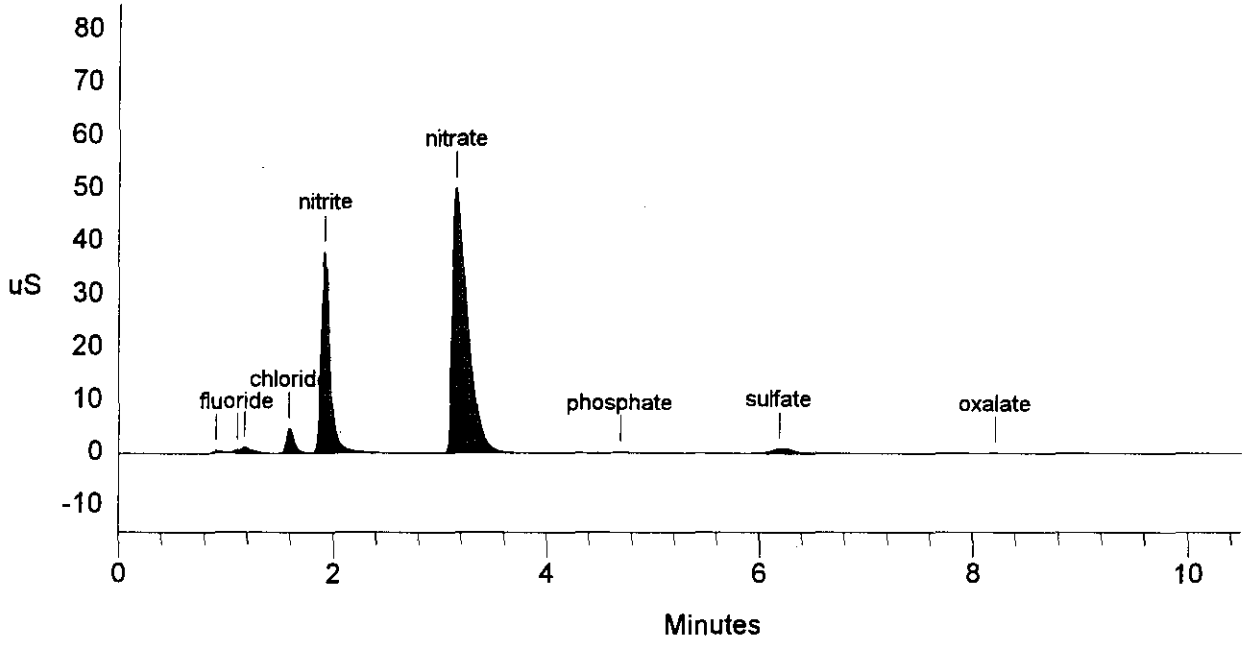
Sample Name: S96T000682 DUP	Date: 04/02/1996 03:52:13
Data File : C:\DX\DATA\96030881.d03	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 3	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	4141	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	406	2366	2	
2	1.11	fluoride	495.952	613	2127	2	5.40
3	1.17		0.000	1149	7961	2	
4	1.59	chloride	7672.506	4784	23875	1	-0.42
5	1.93	nitrite	93849.775	38140	220758	1	-0.69
6	3.15	nitrate	220664.772	50169	501424	1	0.21
7	4.69	phosphate	3481.919	172	2052	1	0.57
8	6.19	sulfate	6282.827	886	13763	1	1.75
9	8.21	oxalate	517.714	24	479	1	3.36
		Totals	332965.465	96344	774803		

File: 96030881.d03 Sample: S96T000682 DUP



Data Reprocessed On 04/09/1996 10:52:11

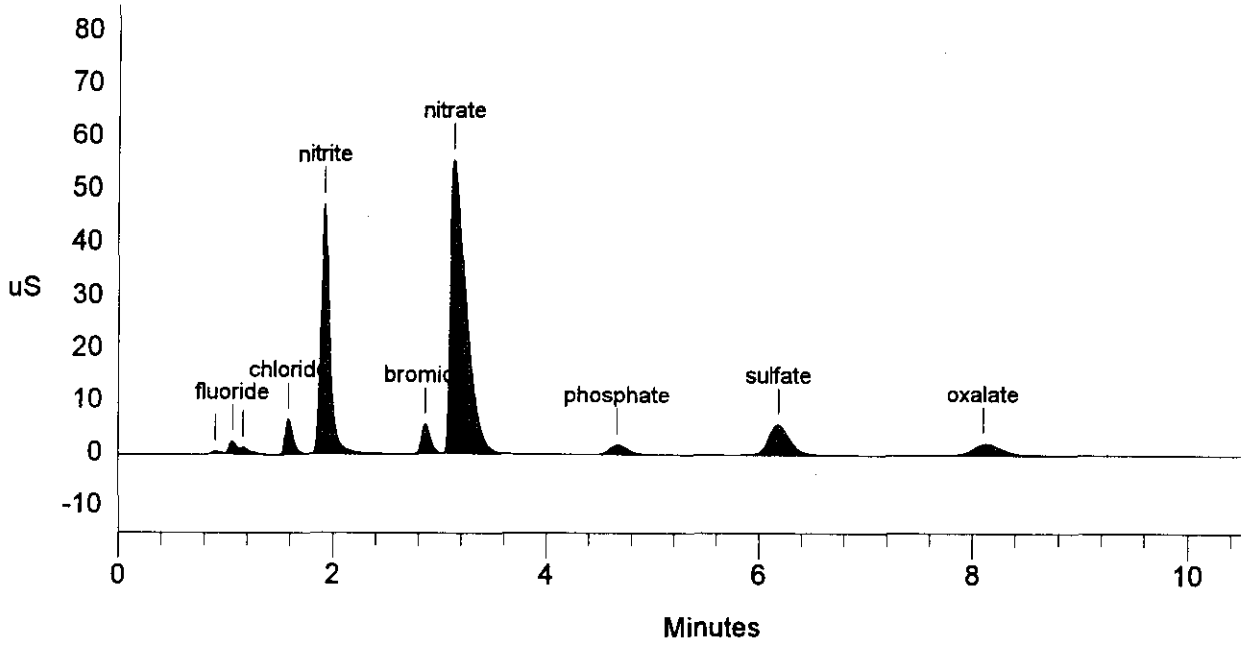
Sample Name: S96T000682 SPIKE Date: 04/02/1996 04:05:25
Data File : C:\DX\DATA\96030881.d04 WHC-SD-WM-DP-184, REV.
Method : C:\DX\METHOD\AUTOMEL.met
ACI Address: 1 System: 1 Inject#: 4 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	4141	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	437	2197	2	
2	1.07	fluoride	2526.926	2476	12038	2	1.59
3	1.17		0.000	1279	8480	2	
4	1.59	chloride	11068.550	6795	35025	1	-0.83
5	1.93	nitrite	115290.868	47310	274443	1	-0.69
6	2.87	bromide	22370.415	5689	32488	1	2.02
7	3.13	nitrate	243667.246	55474	564377	1	-0.21
8	4.67	phosphate	25100.069	1874	24674	1	0.00
9	6.19	sulfate	31262.104	5738	79363	1	1.75
10	8.11	oxalate	21088.734	2158	41513	1	2.01
		Totals	472374.913	129231	1074598		

File: 96030881.d04 Sample: S96T000682 SPIKE



Data Reprocessed On 04/09/1996 10:52:14

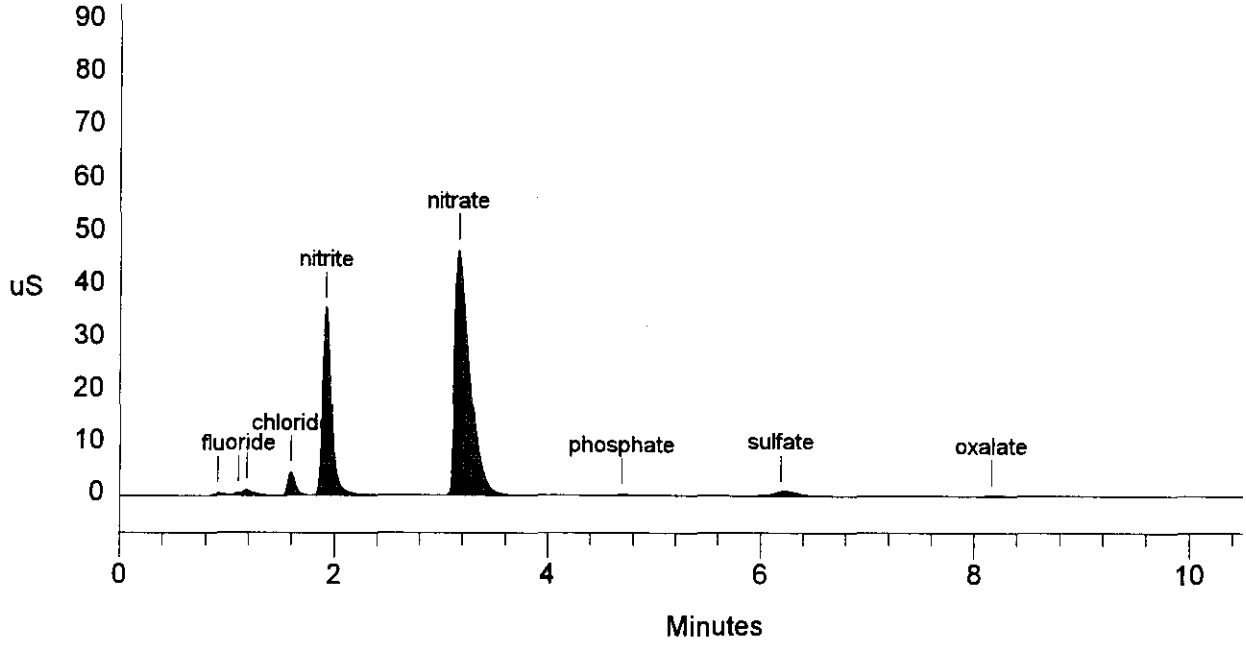
Sample Name: S96T000665 SAMPLE	Date: 04/02/1996 04:18:39
Data File : C:\DX\DATA\96030881.d05	WHC-SD-WM-DP-184, REV.
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 5	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	4141	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	389	2249	2	
2	1.11	fluoride	457.548	565	1942	2	5.40
3	1.18		0.000	1095	7479	2	
4	1.59	chloride	7198.510	4486	22346	1	-0.42
5	1.92	nitrite	88267.132	35559	206961	1	-1.03
6	3.16	nitrate	203641.323	46590	456523	1	0.64
7	4.69	phosphate	3533.886	191	2106	1	0.57
8	6.19	sulfate	5940.353	773	12878	1	1.75
9	8.16	oxalate	565.813	27	574	1	2.68
		Totals	309604.564	89675	713058		

File: 96030881.d05 Sample: S96T000665 SAMPLE



Data Reprocessed On 04/09/1996 10:52:16

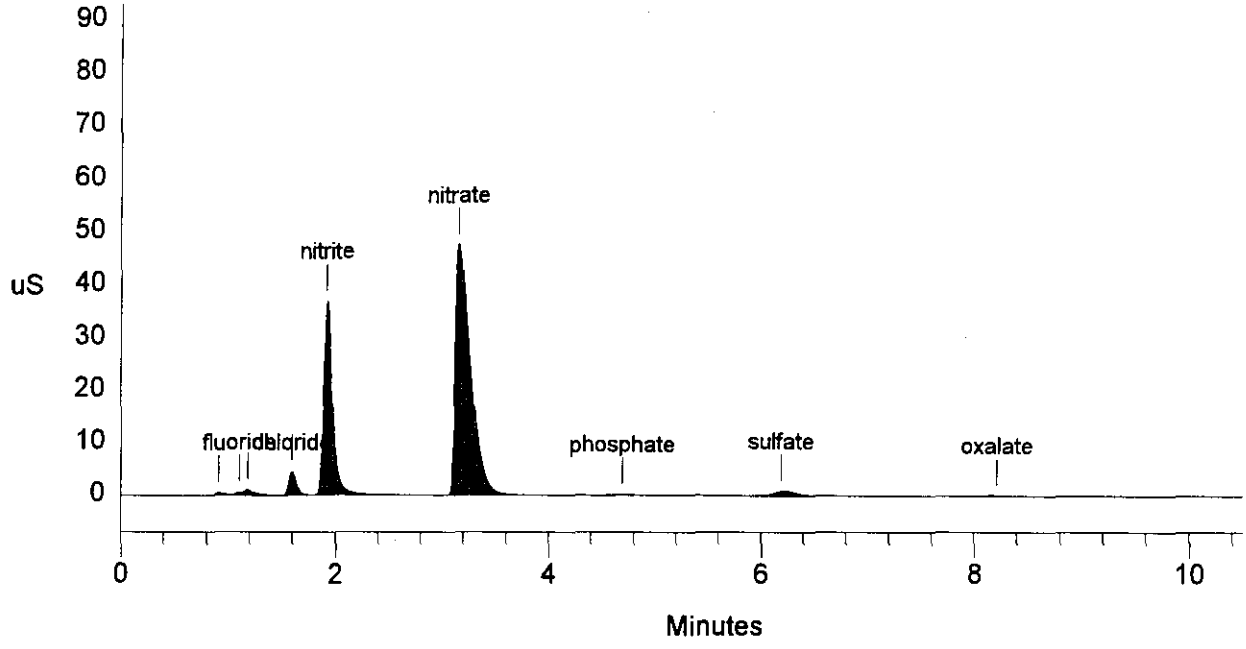
Sample Name: S96T000665 DUP Date: 04/02/1996 04:31:51
Data File : C:\DX\DATA\96030881.d06 WHC-SD-WM-DP-184, REV.
Method : C:\DX\METHOD\AUTOMEL.met
ACI Address: 1 System: 1 Inject#: 6 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	4141	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	394	2271	2	
2	1.11	fluoride	451.111	573	1911	2	5.40
3	1.18		0.000	1113	7654	2	
4	1.59	chloride	7333.448	4593	22781	1	-0.42
5	1.93	nitrite	89368.950	36923	209678	1	-0.69
6	3.15	nitrate	209047.490	47432	470636	1	0.42
7	4.69	phosphate	3742.597	197	2322	1	0.57
8	6.19	sulfate	6181.084	827	13500	1	1.75
9	8.21	oxalate	687.112	34	814	1	3.36
		Totals	316811.793	92086	731566		

File: 96030881.d06 Sample: S96T000665 DUP



LABCORE Data Entry Template for Worklist# 7493

96041801.D09 -> D01

VM 4-18-96

Analyst: ~~JLF VLM~~ VLM **Instrument:** IC00 SICOT **Book#** ~~133N9-D~~ 133N9-E VM 04-18-96

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-107 FOR @IC-01 RTS!

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T001071	0	W	@IC-01	SOLID	96000126	U-107
	Analytes Requested:				BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02			
5	DUP	S96T001071	0	W	@IC-01	SOLID		
6	SPK	S96T001071	0	W	@IC-01	SOLID		
7	SAMPLE	S96T001072	0	W	@IC-01	SOLID	96000126	U-107
	Analytes Requested:				BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02			
8	DUP	S96T001072	0	W	@IC-01	SOLID		

Final page for worklist # 7493

VM04-18-96

[signature] 4-17-96
Analyst Signature **Date**

[signature] 04-18-96
Analyst Signature **Date**

Exported 7493ap.CSV
Inshell
Uploaded 5/6/96 J M. Fuge
Fix NO3
Fixed labels.
Bc rejected rest validated 5/6/96 JMF

Data Entry Comments:

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 7493

Analyst: VLM **Instrument:** IC01 **Book#** 133N9E

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-107 FOR @IC-01 RTS!

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1		<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1		<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1		<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1		<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1		3.65e-01	0.365	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1		<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1		<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1		<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01		5.69e+01	96.441	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01		7.63e+01	96.582	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.76e02		5.69e+02	98.785	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02		5.65e+02	98.261	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02		5.96e+02	97.068	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02		5.11e+02	93.590	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02		6.20e+02	98.257	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.37e02		5.37e+02	100.000	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1		<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1		<1.70e-2		ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1		<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1		<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1		3.86e-01	0.386	ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1		<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1		<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1		<1.05e-1		ug/g
4	SAMPLE	S96T001071	W	0	@IC-01	F-02	SOLID	N/A	<	2.392e+02	239.300	ug/g
4	SAMPLE	S96T001071	W	0	@IC-01	CL-02	SOLID	N/A		1.412e+03	312.900	ug/g
4	SAMPLE	S96T001071	W	0	@IC-01	NO2-02	SOLID	N/A		1.622e+04	1970.000	ug/g
4	REJECT	S96T001071	W	0	@IC-01	BR-02	SOLID	N/A	<	2.319e+03		ug/g
4	SAMPLE	S96T001071	W	0	@IC-01	NO3-02	SOLID	N/A		6.503e+05	2574.000	ug/g
4	SAMPLE	S96T001071	W	0	@IC-01	PO4-02	SOLID	N/A		1.165e+04	2189.000	ug/g
4	SAMPLE	S96T001071	W	0	@IC-01	SO4-02	SOLID	N/A		6.307e+03	2501.000	ug/g
4	SAMPLE	S96T001071	W	0	@IC-01	OXALATE2	SOLID	N/A	<	1.932e+03	1932.000	ug/g
5	DUP	S96T001071	W	0	@IC-01	F-02	SOLID	<2.39e2		<2.39e2		RPD
5	DUP	S96T001071	W	0	@IC-01	CL-02	SOLID	1.41e+03		1.30e+03	8.118	RPD
5	DUP	S96T001071	W	0	@IC-01	NO2-02	SOLID	1.62e+04		1.62e+04	0.000	RPD
5	DUP	S96T001071	W	0	@IC-01	BR-02	SOLID	<2.32e3		<2.31e3		RPD
5	DUP	S96T001071	W	0	@IC-01	NO3-02	SOLID	6.50e+05		6.44e+05	0.927	RPD
5	DUP	S96T001071	W	0	@IC-01	PO4-02	SOLID	1.16e+04		1.20e+04	3.390	RPD
5	DUP	S96T001071	W	0	@IC-01	SO4-02	SOLID	6.31e+03		6.35e+03	0.632	RPD
5	DUP	S96T001071	W	0	@IC-01	OXALATE2	SOLID	<1.93e3		2.58e+03		RPD
6	SPK	S96T001071	W	0	@IC-01	F-02	SOLID	5.90e01		5.87e+01	99.492	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 7493

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
6	SPK	S96T001071	0	W	@IC-01	CL-02	SOLID	7.90e01		7.20e+01	91.139	% Recovery
6	SPK	S96T001071	0	W	@IC-01	NO2-02	SOLID	5.76e02		5.47e+02	94.965	% Recovery
6	SPK	S96T001071	0	W	@IC-01	BR-02	SOLID	5.75e02		5.35e+02	93.043	% Recovery
6	SPK	S96T001071	0	W	@IC-01	NO3-02	SOLID	6.14e02		6.16e+02	100.326	% Recovery
6	SPK	S96T001071	0	W	@IC-01	PO4-02	SOLID	5.46e02		4.78e+02	87.546	% Recovery
6	SPK	S96T001071	0	W	@IC-01	SO4-02	SOLID	6.31e02		5.87e+02	93.027	% Recovery
6	SPK	S96T001071	0	W	@IC-01	OXALATE2	SOLID	5.37e02		5.43e+02	101.117	% Recovery
7	SAMPLE	S96T001072	0	W	@IC-01	F-02	SOLID	N/A	<	2.677e+02	267.600	ug/g
7	SAMPLE	S96T001072	0	W	@IC-01	CL-02	SOLID	N/A		2.256e+03	350.100	ug/g
7	SAMPLE	S96T001072	0	W	@IC-01	NO2-02	SOLID	N/A		2.373e+04	2203.000	ug/g
7	REJECT	S96T001072	0	W	@IC-01	BR-02	SOLID	N/A	<	2.594e+03		ug/g
7	SAMPLE	S96T001072	0	W	@IC-01	NO3-02	SOLID	N/A		5.533e+05	2881.000	ug/g
7	SAMPLE	S96T001072	0	W	@IC-01	PO4-02	SOLID	N/A		1.336e+04	2448.000	ug/g
7	SAMPLE	S96T001072	0	W	@IC-01	SO4-02	SOLID	N/A		8.858e+03	2799.000	ug/g
7	SAMPLE	S96T001072	0	W	@IC-01	OXALATE2	SOLID	N/A		3.113e+03	2162.000	ug/g
8	DUP	S96T001072	0	W	@IC-01	F-02	SOLID	<2.68e2		<2.76e2		RPD
8	DUP	S96T001072	0	W	@IC-01	CL-02	SOLID	2.26e+03		2.40e+03	6.009	RPD
8	DUP	S96T001072	0	W	@IC-01	NO2-02	SOLID	2.37e+04		2.56e+04	7.708	RPD
8	DUP	S96T001072	0	W	@IC-01	BR-02	SOLID	<2.59e3		<2.67e3		RPD
8	DUP	S96T001072	0	W	@IC-01	NO3-02	SOLID	5.53e+05		5.35e+05	3.309	RPD
8	DUP	S96T001072	0	W	@IC-01	PO4-02	SOLID	1.34e+04		1.43e+04	6.498	RPD
8	DUP	S96T001072	0	W	@IC-01	SO4-02	SOLID	8.86e+03		1.00e+04	12.089	RPD
8	DUP	S96T001072	0	W	@IC-01	OXALATE2	SOLID	3.11e+03		3.48e+03	11.229	RPD

Final page for worklist# 7493

Analyst Signature Date

Analyst Signature Date

Janis Frye 5/7/96
Reviewer Signature Date

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 06-May-96

Worklist#: 7493

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S96T001071
=>	5	DUP	S96T001071
=>	6	SPK	S96T001071
=>	7	SAMPLE	S96T001072
=>	8	DUP	S96T001072

Data File: 7493AP.CSV

Seq#	Data File	Sample Name	Dilution
1	96041801.d01	INSTR BLANK	1.00
2	96041801.d02	133N9-E STD	101.00
	96041801.d03	133N9-E STD	101.00
3	96041801.d04	PREP BLANK	1.00
4	96041801.d05	S96T001071 SAMPL	101.00
5	96041801.d06	S96T001071 DUP	101.00
6	96041801.d07	S96T001071 SPIKE	101.00
7	96041801.d08	S96T001072 SAMPL	101.00
8	96041801.d09	S96T001072 DUP	101.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

```
Record (10) QC posted.
Record (11) QC posted.
Record (12) QC posted.
Record (13) QC posted.
Record (14) QC posted.
Record (15) QC posted.
Record (16) QC posted.
Record (17) QC posted.
Record (18) QC posted.
Record (19) QC posted.
Record (20) QC posted.
Record (21) QC posted.
Record (22) QC posted.
Record (23) QC posted.
Record (24) QC posted.
Record (25) Result LESS than detection; Storing anyway...
Record (25) Sample#(S96T001071) Param(F-02) Result posted.
Record (26) Sample#(S96T001071) Param(CL-02) Result posted.
Record (27) Sample#(S96T001071) Param(NO2-02) Result posted.
```

Keys(F5) NextPage(Page Dn) PrevPage(Page Up) Help(F2) >

HELP -- LogFile Viewer

```
Record (44) QC posted.
Record (45) QC posted.
Record (46) QC posted.
Record (47) QC posted.
Record (48) QC posted.
Record (49) Sample#(S96T001072) Param(F-02) Result posted.
Record (50) Sample#(S96T001072) Param(CL-02) Result posted.
Record (51) Sample#(S96T001072) Param(NO2-02) Result posted.
Record (52) Result LESS than detection; Storing anyway...
Record (52) Sample#(S96T001072) Param(BR-02) Result posted.
Record (53) Sample#(S96T001072) Param(NO3-02) Result posted.
Record (54) Sample#(S96T001072) Param(PO4-02) Result posted.
Record (55) Sample#(S96T001072) Param(SO4-02) Result posted.
Record (56) Sample#(S96T001072) Param(OXALATE2) Result posted.
NOTICE: No ND Result entries required for @IC-01/SOLID Sample# S96T001072...
Record (57) QC posted.
Record (58) QC posted.
Record (59) QC posted.
Record (60) QC posted.
```

Keys(F5) NextPage(Page Dn) PrevPage(Page Up) Help(F2) >

Data Reprocessed On 04/29/1996 11:58:28

Sample Name: INSTR BLANK	Date: 04/18/1996 11:13:44
Data File : C:\DX\DATA\96041801.d01	
Method : C:\DX\METHOD\KIT.MET	WHC-SD-WM-DP-184, REV.
ACI Address: 1 System: 1 Inject#: 1	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

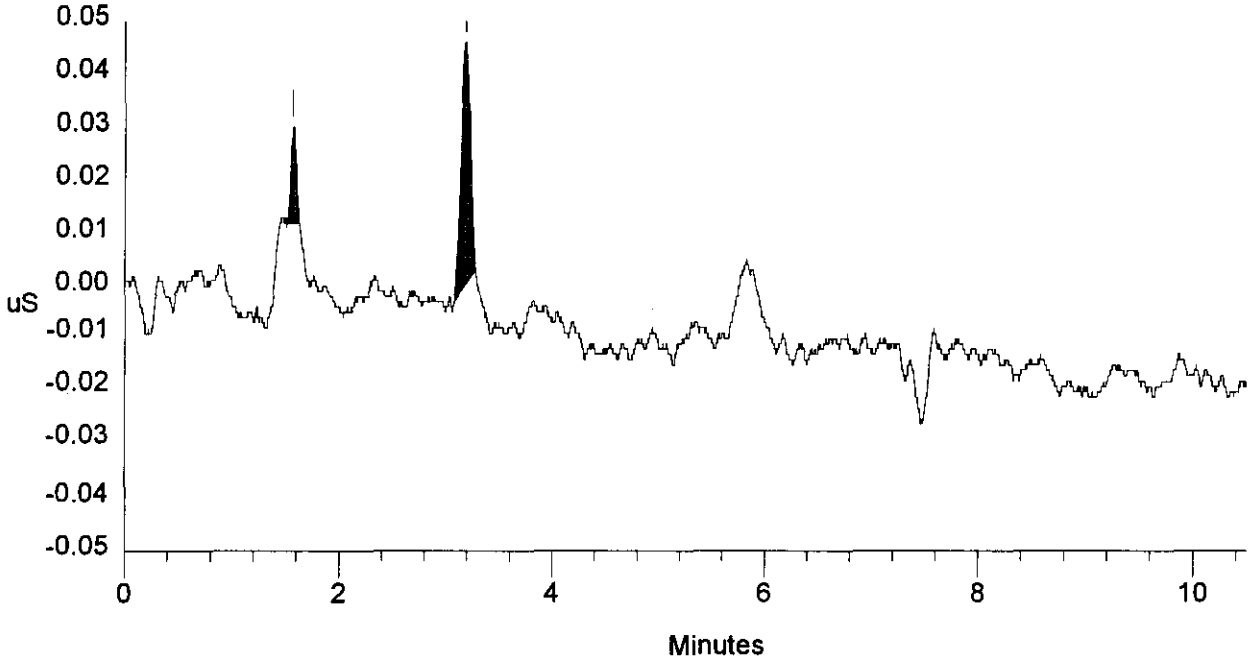
JAnasto for VL Massie 5.21.96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	3.19	nitrate	0.365	46	273	1	-5.44
		Totals	0.365	46	273		

File: 96041801.d01 Sample: INSTR BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 291 TO 299.

Data Reprocessed On 04/29/1996 11:58:33

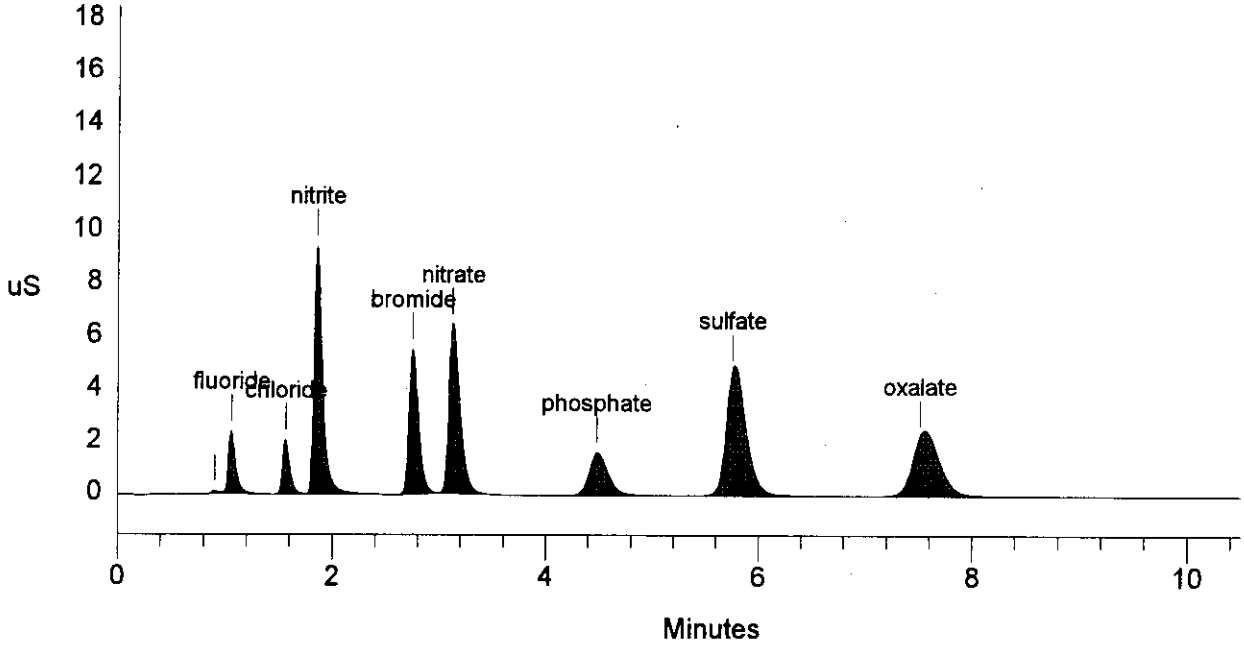
Sample Name: 133N9-E STD
Date: 04/18/1996 11:31:04
Data File : C:\DX\DATA\96041801.d02
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 2 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	84	366	2	
2	1.06	fluoride	56.917	2375	11084	2	0.95
3	1.57	chloride	76.272	2062	9476	1	-2.08
4	1.86	nitrite	569.382	9409	51567	1	-4.12
5	2.75	bromide	565.118	5505	33724	1	-0.60
6	3.13	nitrate	596.376	6414	46587	1	-0.11
7	4.48	phosphate	511.048	1619	20303	1	-4.00
8	5.76	sulfate	619.775	4765	63803	1	-5.26
9	7.52	oxalate	537.175	2289	43394	1	-5.37
		Totals	3532.063	34521	280304		

File: 96041801.d02 Sample: 133N9-E STD



Data Reprocessed On 04/29/1996 11:58:37

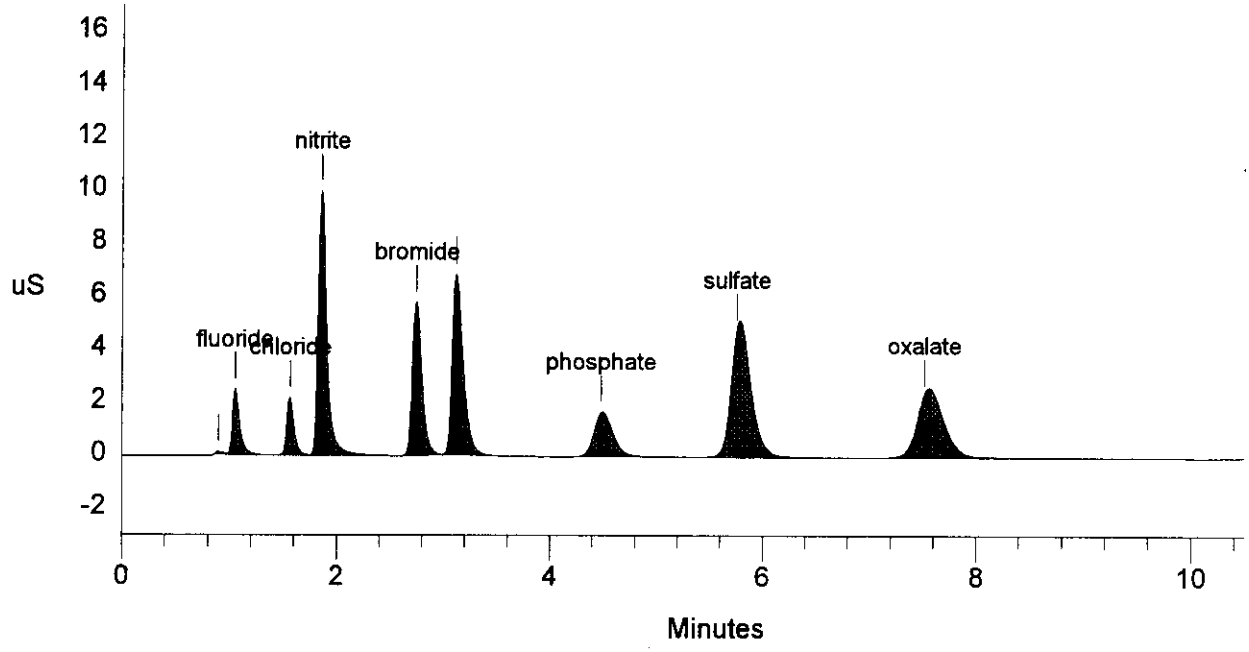
Sample Name: 133N9-E STD
Date: 04/18/1996 13:39:58
Data File : C:\DX\DATA\96041801.d03
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-184, REV. \
ACI Address: 1 System: 1 Inject#: 3 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	92	405	2	
2	1.05	fluoride	58.593	2452	11423	2	0.32
3	1.57	chloride	79.277	2157	9859	1	-2.08
4	1.86	nitrite	600.054	9964	54494	1	-4.12
5	2.75	bromide	590.503	5773	35335	1	-0.84
6	3.12		0.000	6804	48363	1	
7	4.48	phosphate	529.155	1668	21084	1	-4.00
8	5.76	sulfate	639.635	4759	65961	1	-5.26
9	7.52	oxalate	552.742	2332	44679	1	-5.37
		Totals	3049.960	36002	291603		

File: 96041801.d03 Sample: 133N9-E STD



Data Reprocessed On 04/29/1996 11:58:40

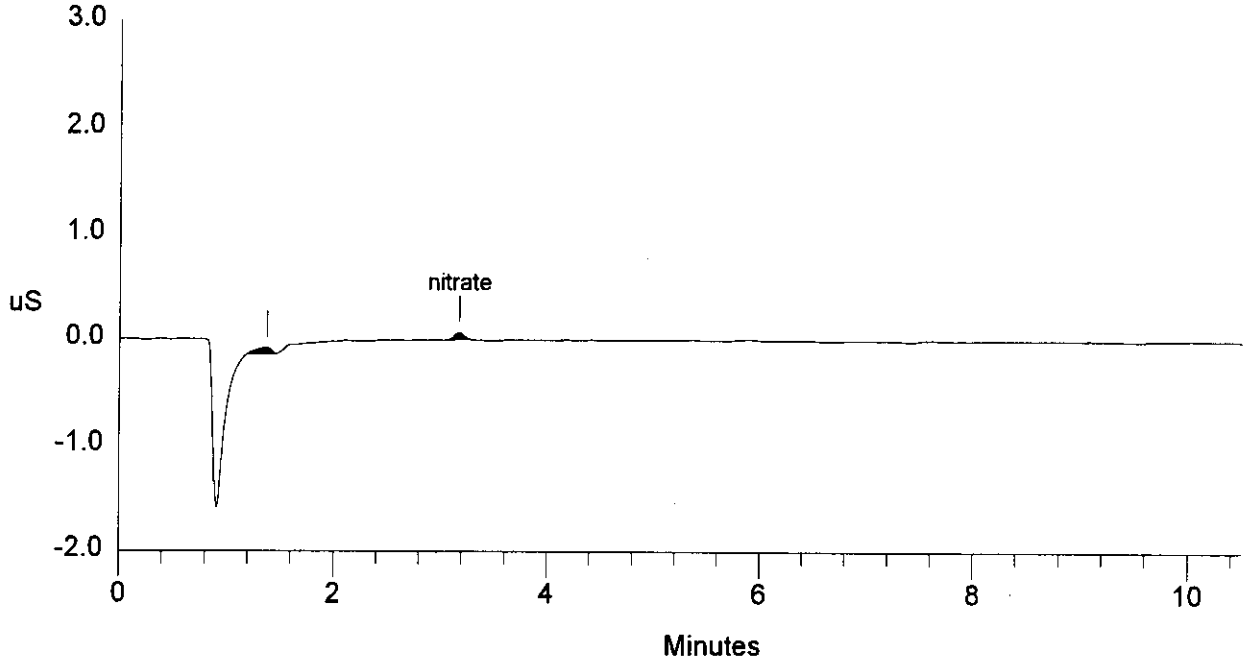
Sample Name: PREP BLANK Date: 04/18/1996 14:16:27
Data File : C:\DX\DATA\96041801.d04 WHC-SD-WM-DP-184, REV.
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 4 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.37		0.000	58	563	1	
2	3.17	nitrate	0.386	70	439	1	-5.84
		Totals	0.386	128	1002		

File: 96041801.d04 Sample: PREP BLANK



Data Reprocessed On 04/29/1996 11:58:44

Sample Name: S96T001071 SAMPLE Date: 04/18/1996 14:31:39
Data File : C:\DX\DATA\96041801.d05
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 5 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

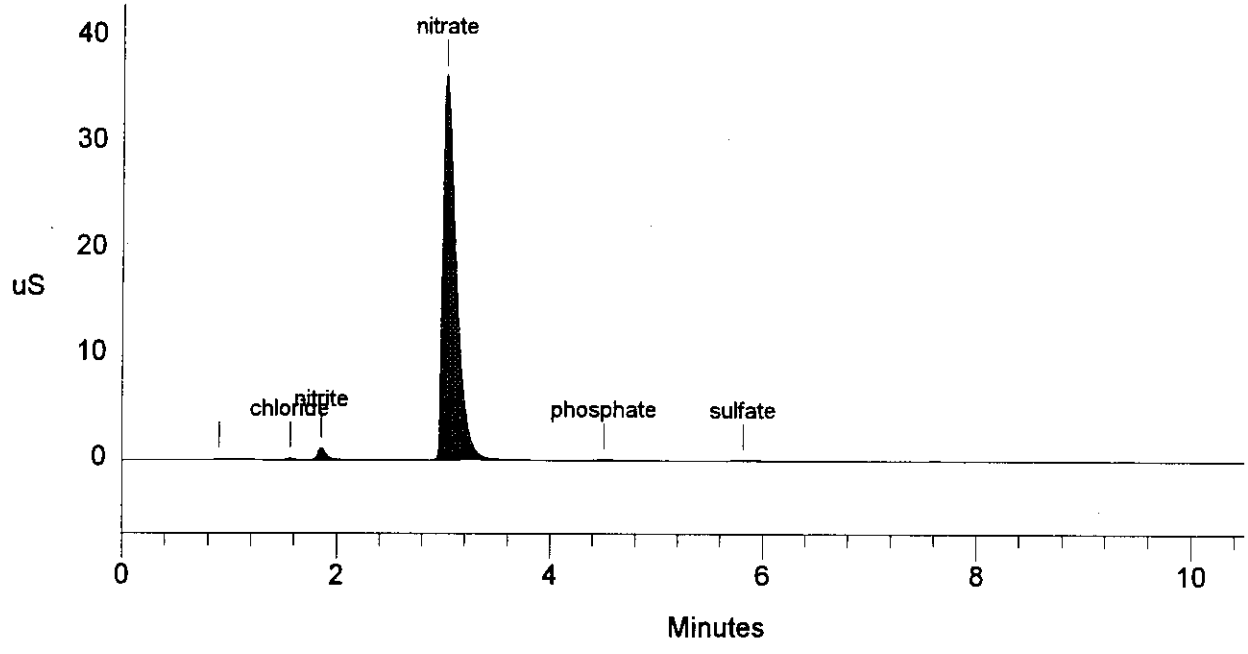
WHC-SD-WM-DP-184, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	88	421	1	
2	1.57	chloride	7.750	183	850	1	-2.08
3	1.86	nitrite	89.038	1122	6128	1	-4.12
4	3.02	nitrate	3568.870	36219	314292	1	0.00
5	4.51	phosphate	63.918	94	1159	1	-3.43
6	5.81	sulfate	34.612	82	1233	1	-4.39
		Totals	3764.188	37788	324081		

File: 96041801.d05 Sample: S96T001071 SAMPLE



Data Reprocessed On 04/29/1996 11:58:48

Sample Name: S96T001071 DUP Date: 04/18/1996 14:46:07
Data File : C:\DX\DATA\96041801.d06
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 6 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

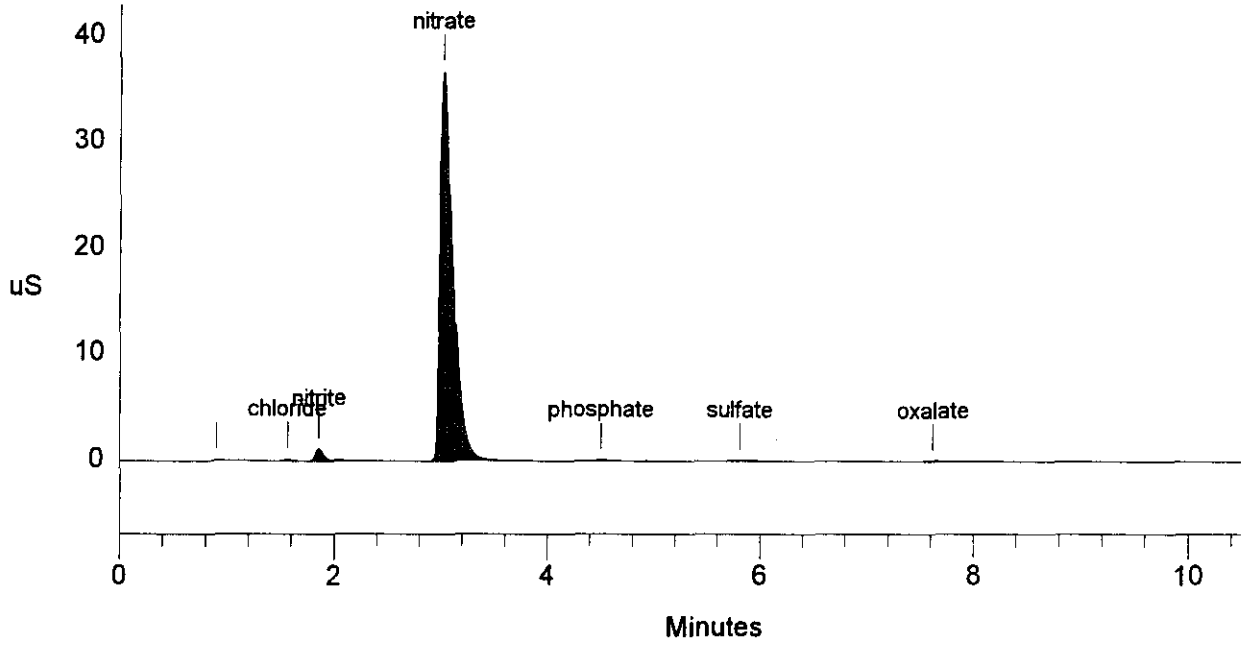
WHC-SD-WM-DP-184, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	97	488	1	
2	1.57	chloride	7.151	172	775	1	-2.08
3	1.86	nitrite	88.812	1133	6106	1	-4.12
4	3.02	nitrate	3538.292	36701	311318	1	0.00
5	4.51	phosphate	66.026	96	1248	1	-3.43
6	5.81	sulfate	34.937	87	1267	1	-4.39
7	7.63	oxalate	14.200	35	606	1	-4.03
		Totals	3749.418	38322	321809		

File: 96041801.d06 Sample: S96T001071 DUP



Data Reprocessed On 04/29/1996 11:58:53

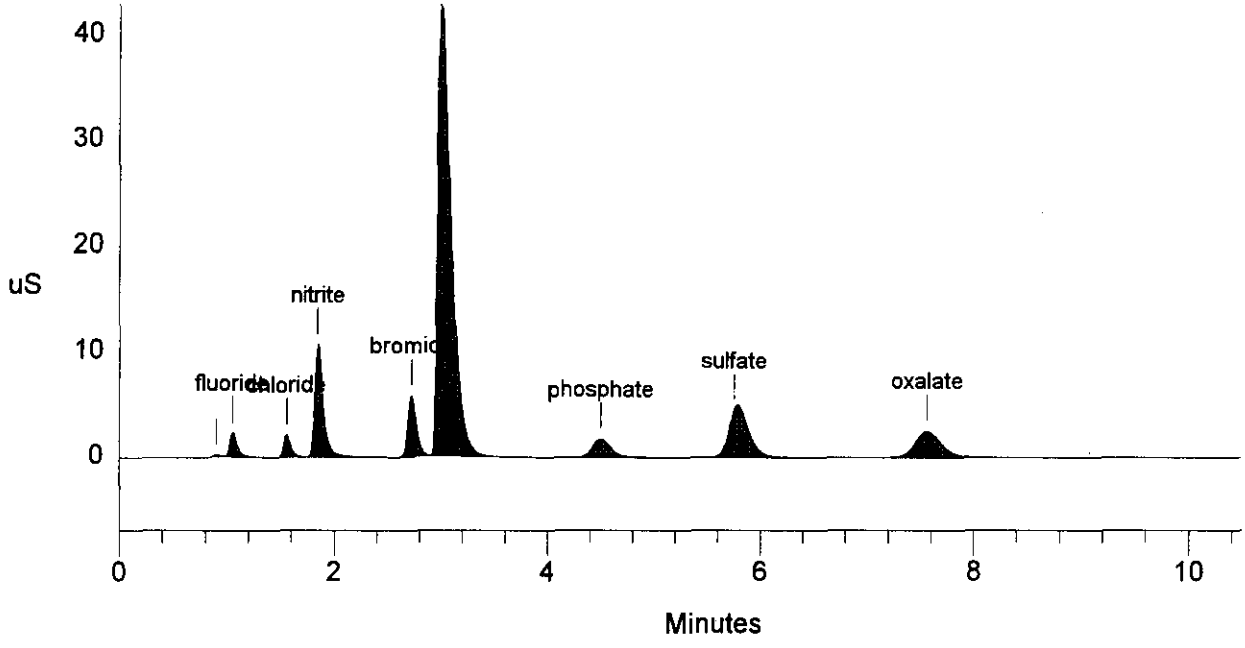
Sample Name: S96T001071 SPIKE Date: 04/18/1996 14:59:11
Data File : C:\DX\DATA\96041801.d07 WHC-SD-WM-DP-184, REV.
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 7 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	143	621	2	
2	1.05	fluoride	58.709	2277	11446	2	0.32
3	1.56	chloride	79.730	2162	9917	1	-2.50
4	1.85	nitrite	636.270	10666	57954	1	-4.47
5	2.73	bromide	535.284	5812	31834	1	-1.56
6	3.01	nitrate	4185.365	42635	375445	1	-0.11
7	4.51	phosphate	541.988	1748	21638	1	-3.43
8	5.76	sulfate	621.946	4465	64039	1	-5.26
9	7.57	oxalate	543.005	2561	43875	1	-4.70
		Totals	7202.296	72468	616770		

File: 96041801.d07 Sample: S96T001071 SPIKE



Data Reprocessed On 04/29/1996 11:58:56

Sample Name: S96T001072 SAMPLE Date: 04/18/1996 15:11:24
Data File : C:\DX\DATA\96041801.d08
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 8 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

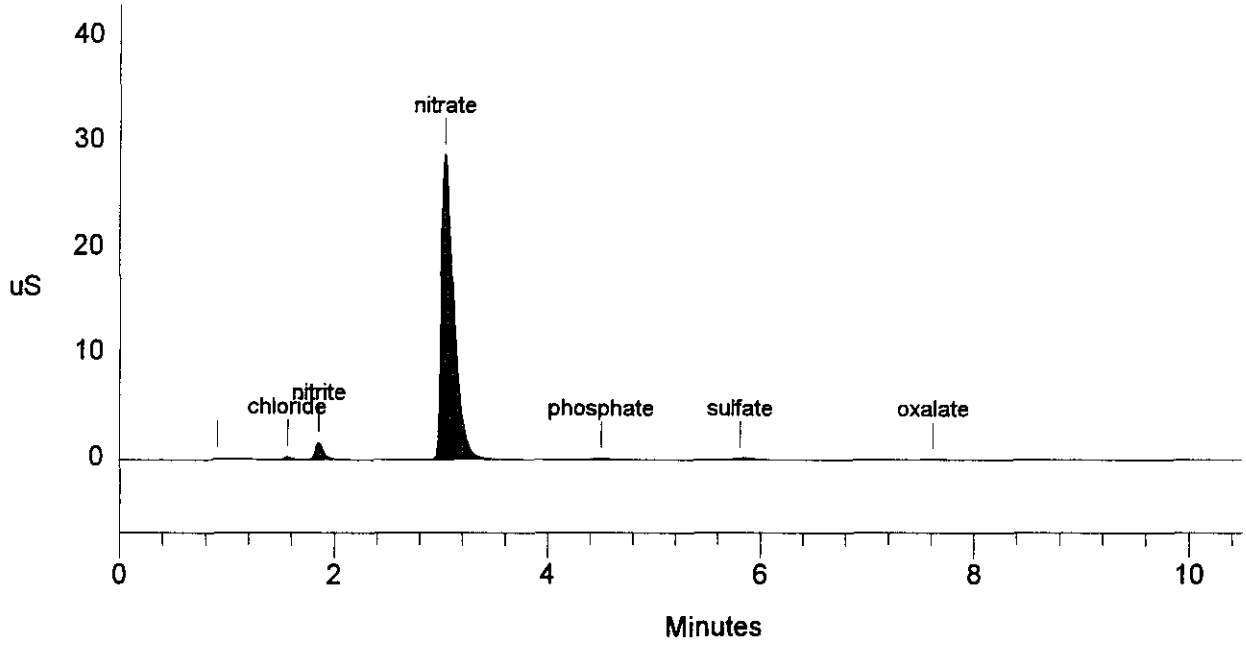
WHC-SD-WM-DP-184, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	76	351	1	
2	1.57	chloride	11.066	287	1262	1	-2.08
3	1.86	nitrite	116.374	1624	8694	1	-4.12
4	3.03	nitrate	2713.972	28760	233057	1	0.11
5	4.51	phosphate	65.539	94	1228	1	-3.43
6	5.81	sulfate	43.449	155	2164	1	-4.39
7	7.63	oxalate	15.270	45	693	1	-4.03
		Totals	2965.670	31040	247449		

File: 96041801.d08 Sample: S96T001072 SAMPLE



Data Reprocessed On 04/29/1996 11:59:00

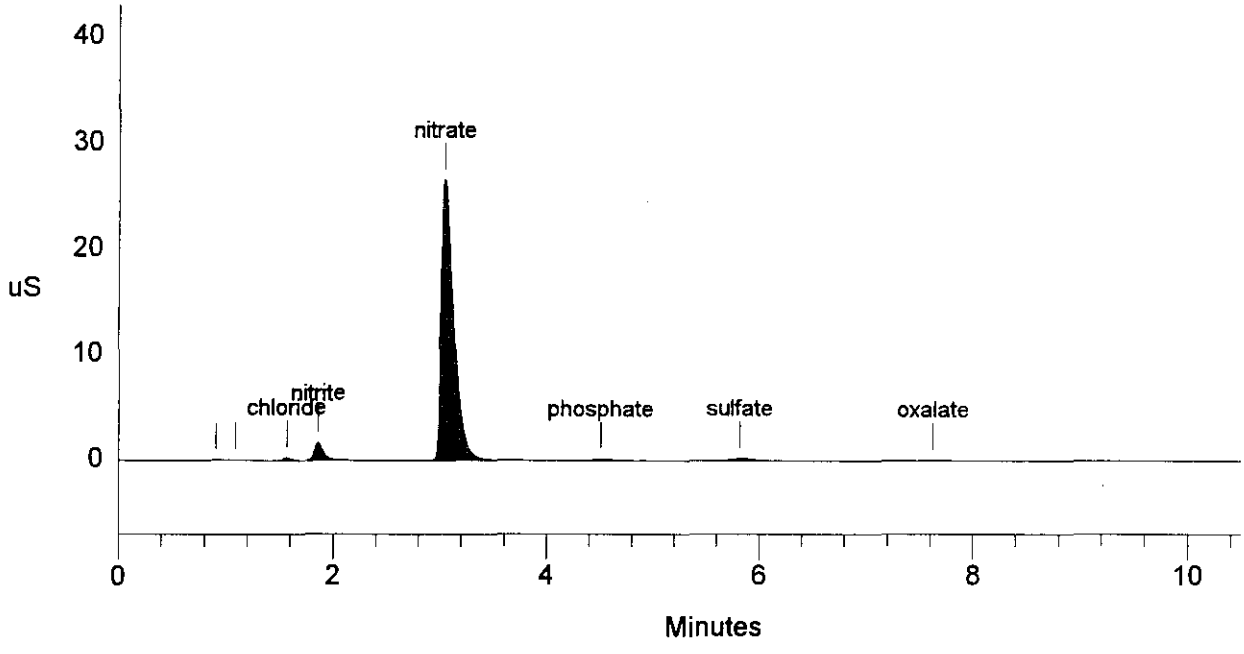
Sample Name: S96T001072 DUP Date: 04/18/1996 15:26:11
Data File : C:\DX\DATA\96041801.d09 WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 9 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	72	337	1	
3	1.57	chloride	11.449	288	1310	1	-2.08
4	1.86	nitrite	121.680	1672	9192	1	-4.12
5	3.04	nitrate	2545.508	26537	217495	1	0.00
6	4.51	phosphate	68.144	111	1338	1	-3.43
7	5.81	sulfate	47.802	181	2622	1	-4.39
8	7.63	oxalate	16.586	52	800	1	-4.03
		Totals	2811.168	28914	233095		

File: 96041801.d09 Sample: S96T001072 DUP



LABCORE Data Entry Template for Worklist# 7494

96041911, D03 -> D12

Analyst: JLF **Instrument:** IC00 **Book#** 133N9-E

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-107 FOR @IC-01 RTS!

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T001073	0	W	@IC-01	SOLID	960	
	Analytes Requested:				BR-02 , CL-02 , F-02 OXALATE2, PO4-02 , SO4-02			
5	DUP	S96T001073	0	W	@IC-01	SOLID		
6	SPK	S96T001073	0	W	@IC-01	SOLID		
7	SAMPLE	S96T001074	0	W	@IC-01	SOLID	96000126	U-107
	Analytes Requested:				BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02			
8	DUP	S96T001074	0	W	@IC-01	SOLID		

NO3 Label Fixed

Final page for worklist # 7494

Jessie L. Irisby 4-19-96
Analyst Signature **Date**

Analyst Signature **Date**

Exported 7494up.csv
In shell
Uploaded 4/29/96 J M Fuye
Not printed
[illegible] 96T001074 fixed in Results edit.
Validated 5/2/96 J M Fuye

Data Entry Comments:

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 7494

Analyst: JIF **Instrument:** IC01 **Book#** 133N9E

Method: LA533105 Rev/Mod D-1

Worklist Comment: U-107 FOR @IC-01 RTS!

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1	<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1	<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1	<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1	<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1	3.50e-01	0.350	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01	5.55e+01	94.068	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01	7.90e+01	100.000	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.76e02	5.69e+02	98.785	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02	5.64e+02	98.087	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02	5.87e+02	95.603	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02	5.10e+02	93.407	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02	6.15e+02	97.464	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.37e02	5.33e+02	99.255	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1	<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1	<1.70e-2		ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1	<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1	<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1	<1.40e-1		ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1	<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1	<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1	<1.05e-1		ug/g
4	SAMPLE	S96T001073	W	0	@IC-01	F-02	SOLID	N/A	5.659e+02	134.700	ug/g
4	SAMPLE	S96T001073	W	0	@IC-01	CL-02	SOLID	N/A	5.862e+03	176.200	ug/g
4	SAMPLE	S96T001073	W	0	@IC-01	NO2-02	SOLID	N/A	6.234e+04	1109.000	ug/g
4	SAMPLE	S96T001073	W	0	@IC-01	BR-02	SOLID	N/A <	1.306e+03	1306.000	ug/g
4	SAMPLE	S96T001073	W	0	@IC-01	NO3-02	SOLID	N/A	2.530e+05	1450.000	ug/g
4	SAMPLE	S96T001073	W	0	@IC-01	PO4-02	SOLID	N/A	1.362e+04	1232.000	ug/g
4	SAMPLE	S96T001073	W	0	@IC-01	SO4-02	SOLID	N/A	7.047e+03	1409.000	ug/g
4	SAMPLE	S96T001073	W	0	@IC-01	OXALATE2	SOLID	N/A	5.987e+03	1088.000	ug/g
5	DUP	S96T001073	W	0	@IC-01	F-02	SOLID	5.66e+02	5.88e+02	3.813	RPD
5	DUP	S96T001073	W	0	@IC-01	CL-02	SOLID	5.86e+03	5.89e+03	0.511	RPD
5	DUP	S96T001073	W	0	@IC-01	NO2-02	SOLID	6.23e+04	6.39e+04	2.536	RPD
5	DUP	S96T001073	W	0	@IC-01	BR-02	SOLID	<1.31e3	<1.41e3		RPD
5	DUP	S96T001073	W	0	@IC-01	NO3-02	SOLID	2.53e+05	2.57e+05	1.569	RPD
5	DUP	S96T001073	W	0	@IC-01	PO4-02	SOLID	1.36e+04	1.45e+04	6.406	RPD
5	DUP	S96T001073	W	0	@IC-01	SO4-02	SOLID	7.05e+03	7.05e+03	0.000	RPD
5	DUP	S96T001073	W	0	@IC-01	OXALATE2	SOLID	5.99e+03	6.17e+03	2.961	RPD
6	SPK	S96T001073	W	0	@IC-01	F-02	SOLID	5.90e01	6.15e+01	104.237	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 7494

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
6	SPK	S96T001073	0	W	@IC-01	CL-02	SOLID	7.90e01	1.14e+02	144.304	% Recovery
6	SPK	S96T001073	0	W	@IC-01	NO2-02	SOLID	5.76e02	6.08e+02	105.556	% Recovery
6	SPK	S96T001073	0	W	@IC-01	BR-02	SOLID	5.75e02	5.54e+02	96.348	% Recovery
6	SPK	S96T001073	0	W	@IC-01	NO3-02	SOLID	6.14e02	6.48e+02	105.537	% Recovery
6	SPK	S96T001073	0	W	@IC-01	PO4-02	SOLID	5.46e02	4.95e+02	90.659	% Recovery
6	SPK	S96T001073	0	W	@IC-01	SO4-02	SOLID	6.31e02	5.95e+02	94.295	% Recovery
6	SPK	S96T001073	0	W	@IC-01	OXALATE2	SOLID	5.37e02	5.29e+02	98.510	% Recovery
7	SAMPLE	S96T001074	0	W	@IC-01	F-02	SOLID	N/A <	122.5	122.500	ug/g
7	SAMPLE	S96T001074	0	W	@IC-01	CL-02	SOLID	N/A	3.092e+03	160.100	ug/g
7	SAMPLE	S96T001074	0	W	@IC-01	NO2-02	SOLID	N/A	3.412e+04	1008.000	ug/g
7	SAMPLE	S96T001074	0	W	@IC-01	BR-02	SOLID	N/A <	1.187e+03	1187.000	ug/g
7	SAMPLE	S96T001074	0	W	@IC-01	NO3-02	SOLID	N/A	2.777e+05	1318.000	ug/g
7	SAMPLE	S96T001074	0	W	@IC-01	PO4-02	SOLID	N/A	5.329e+03	1120.000	ug/g
7	SAMPLE	S96T001074	0	W	@IC-01	SO4-02	SOLID	N/A	6.595e+03	1280.000	ug/g
7	SAMPLE	S96T001074	0	W	@IC-01	OXALATE2	SOLID	N/A	2.176e+03	988.900	ug/g
8	DUP	S96T001074	0	W	@IC-01	F-02	SOLID	<1.22e2	<1.28e2		RPD
8	DUP	S96T001074	0	W	@IC-01	CL-02	SOLID	3.09e+03	4.03e+03	26.404	RPD
8	DUP	S96T001074	0	W	@IC-01	NO2-02	SOLID	3.41e+04	4.50e+04	27.560	RPD
8	DUP	S96T001074	0	W	@IC-01	BR-02	SOLID	<1.19e3	<1.24e3		RPD
8	DUP	S96T001074	0	W	@IC-01	NO3-02	SOLID	2.78e+05	4.17e+05	40.000	RPD
8	DUP	S96T001074	0	W	@IC-01	PO4-02	SOLID	5.33e+03	6.16e+03	14.447	RPD
8	DUP	S96T001074	0	W	@IC-01	SO4-02	SOLID	6.60e+03	7.91e+03	18.057	RPD
8	DUP	S96T001074	0	W	@IC-01	OXALATE2	SOLID	2.18e+03	3.03e+03	32.630	RPD

Final page for worklist# 7494

Analyst Signature **Date**

Analyst Signature **Date**

H Anastos 5.21.96
Reviewer Signature **Date**

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 29-Apr-96

Worklist#: 7494

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S96T001073
=>	5	DUP	S96T001073
=>	6	SPK	S96T001073
=>	7	SAMPLE	S96T001074
=>	8	DUP	S96T001074

Data File: 7494AP.CSV

Seq#	Data File	Sample Name	Dilution
1	96041911.d03	BLANK	1.00
2	96041911.d04	133N9-E STD	101.00
3	96041911.d05	BLANK PREP	1.00
4	96041911.d08	S96T001073 SAM	51.00
5	96041911.d09	S96T001073 DUP	51.00
6	96041911.d10	S96T001073 SPIKE	51.00
7	96041911.d11	S96T001074 SAM	51.00
8	96041911.d12	S96T001074 DUP	51.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

MultiLIMS

WORKLIST REVIEW/VALIDATION

Wl# 7494 Bat# 96003281 ID
Group 96000126 Inst. Code IC01
Cust Tank Characterization Program
Proj
Samp S96T001074 A1 W Rep# 0 Mx SOLID
Samp ID U-107,C134,S4,QSA,Water
Site

Prot Anions by IC-Dionex 4000i/4500
Para Bromide by Ion Chromatograph
Samp Logged 03/04/96 12:07
Samp Rec'd 03/04/96 12:07
Samp Date
Samp Prep Analyst
Analysis Dt 04/19/96 22:22 jlf

Seq	QC/Sample#	Paramete	Result	Dilution	Det Limit	Units	Qual	Act
6	SPK	OXALATE2	5.37e02	5.29e+02	98.51			
6	SPK	F-02	5.90e01	6.15e+01	104.2			
6	SPK	NO3-02	6.14e02	6.48e+02	105.5			
6	SPK	NO2-02	5.76e02	6.08e+02	105.6			
6	SPK	CL-02	7.90e01	1.14e+02	144.3			
7	S96T001074	F-02	< ?	51.000	122.5	ug/g		
7	S96T001074	CL-02	3.092e+03	51.000	160.1	ug/g		
7	S96T001074	NO2-02	3.412e+04	51.000	1008.	ug/g		
7	S96T001074	BR-02	< 1.187e+03	51.000	1187.	ug/g		

Mark/UnMark(F5) Save(F11) Edit(F7) MoreInfo(F8) Run(F9) >

Data Reprocessed On 04/29/1996 11:08:38

Sample Name: BLANK	Date: 04/19/1996 19:22:39
Data File : C:\DX\DATA\96041911.d03	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 3	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

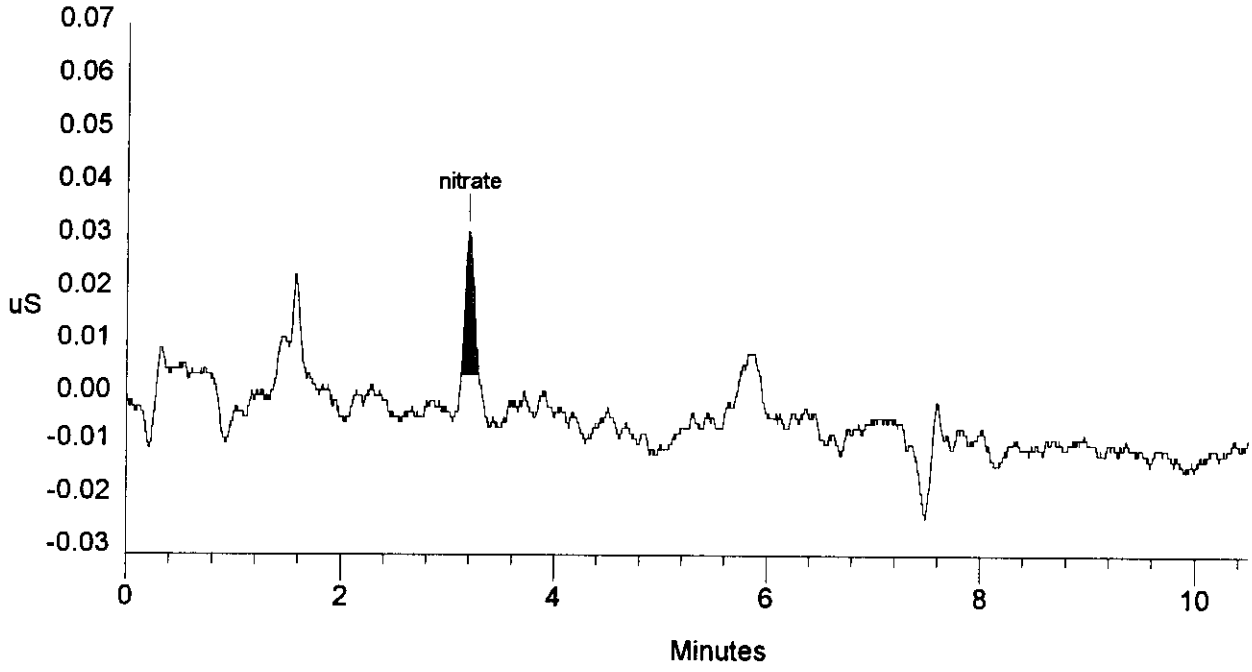
H Anastos for J Trisby 5.21.96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	3.19	nitrate	0.350	27	143	1	-5.24
		Totals	0.350	27	143		

File: 96041911.d03 Sample: BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 305 TO 312.

Data Reprocessed On 04/29/1996 11:08:42

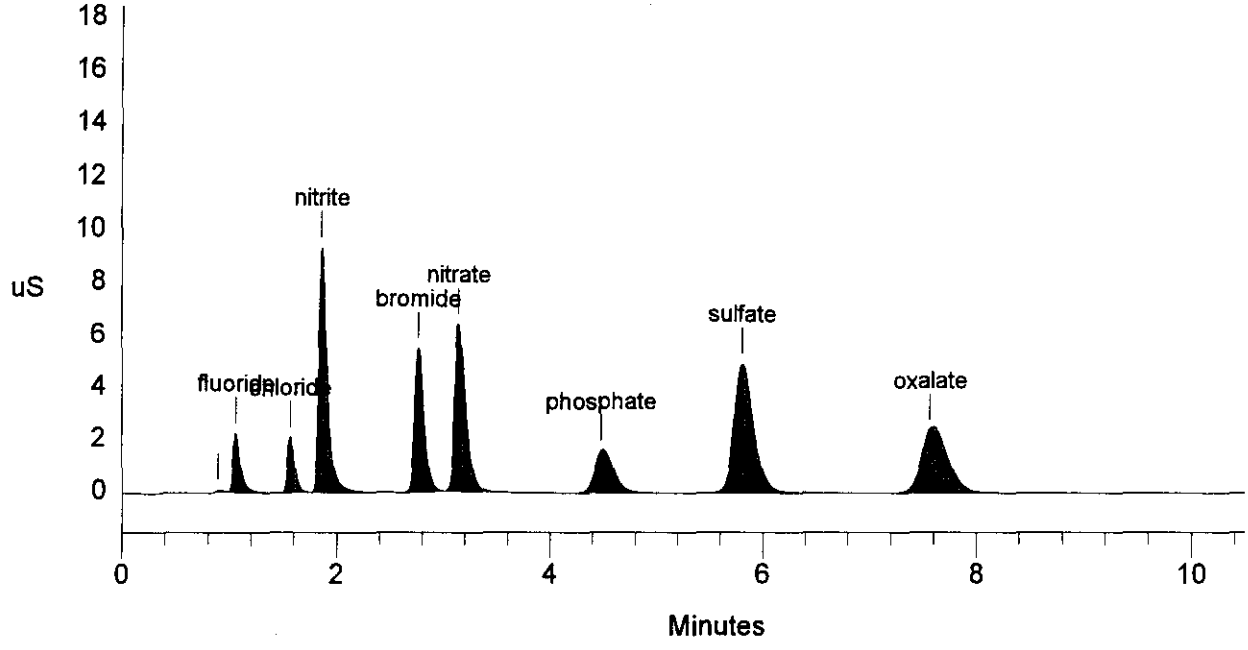
Sample Name: 133N9-E STD Date: 04/19/1996 19:35:40
Data File : C:\DX\DATA\96041911.d04
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 4 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	65	281	2	
2	1.06	fluoride	55.498	2229	10798	2	0.95
3	1.57	chloride	79.046	2090	9829	1	-2.08
4	1.87	nitrite	569.110	9304	51541	1	-3.78
5	2.77	bromide	564.432	5475	33680	1	-0.12
6	3.14	nitrate	586.903	6373	45793	1	-6.82
7	4.48	phosphate	510.167	1562	20265	1	-4.00
8	5.81	sulfate	614.795	4911	63262	1	-4.39
9	7.57	oxalate	532.912	2383	43043	1	-4.70
		Totals	3512.864	34391	278493		

File: 96041911.d04 Sample: 133N9-E STD



Data Reprocessed On 04/29/1996 11:08:45

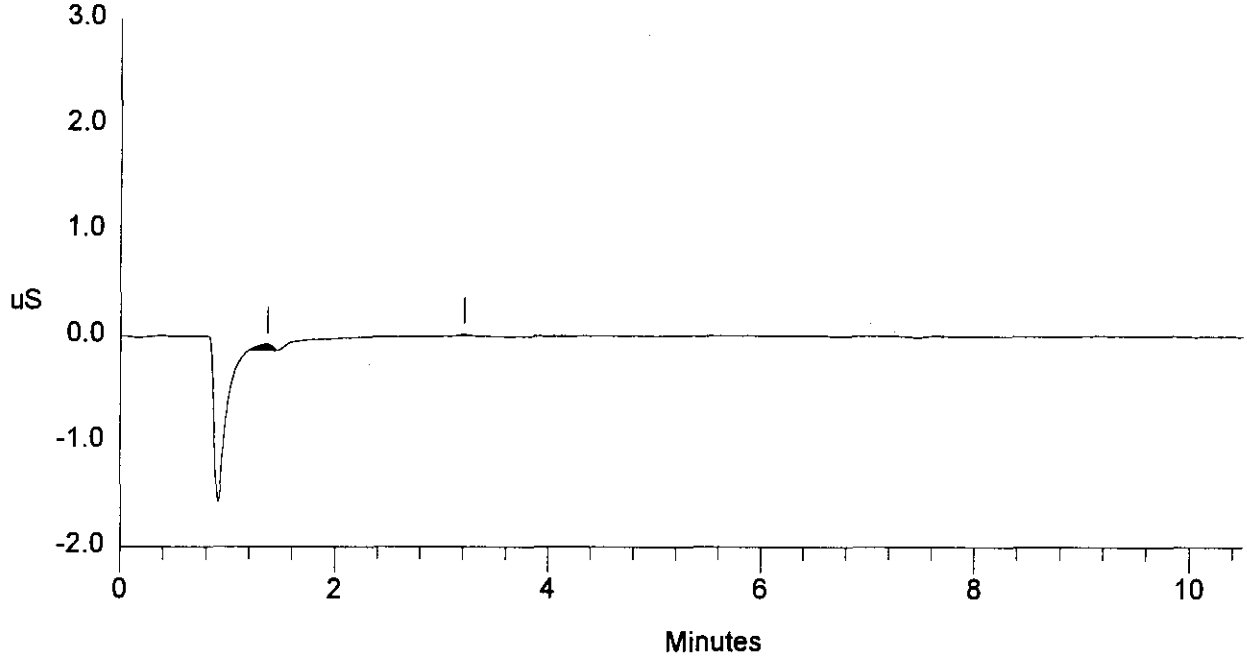
Sample Name: BLANK PREP	Date: 04/19/1996 19:49:59
Data File : C:\DX\DATA\96041911.d05	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 5	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.37		0.000	57	556	1	
		Totals	0.000	57	556		

File: 96041911.d05 Sample: BLANK PREP



Data Reprocessed On 04/29/1996 11:08:47

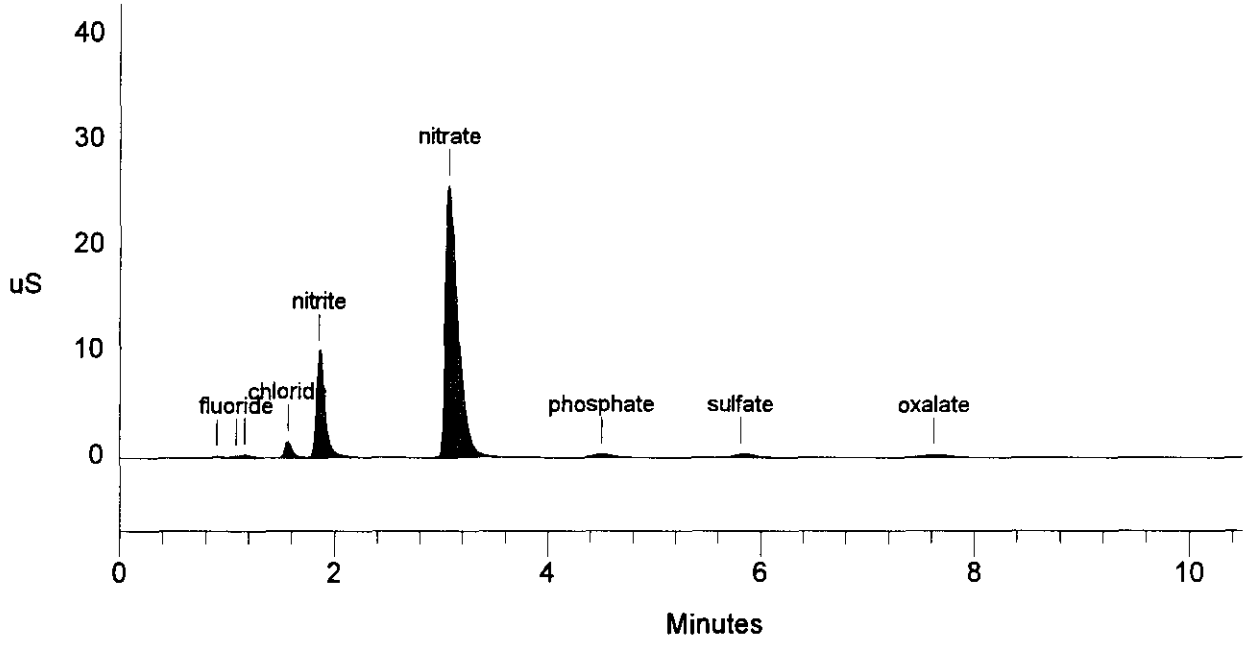
Sample Name: S96T001073 SAM Date: 04/19/1996 20:30:24
Data File : C:\DX\DATA\96041911.d08
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 8 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	51	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	141	741	2	
2	1.09	fluoride	2.785	183	828	2	3.49
3	1.17		0.000	314	2171	2	
4	1.57	chloride	28.849	1520	7046	1	-2.08
5	1.86	nitrite	306.764	10046	55207	1	-4.12
6	3.07	nitrate	1245.134	25646	210184	1	0.11
7	4.51	phosphate	67.040	336	4088	1	-3.43
8	5.81	sulfate	34.679	308	4823	1	-4.39
9	7.63	oxalate	29.462	247	4191	1	-4.03
		Totals	1714.712	38740	289279		

File: 96041911.d08 Sample: S96T001073 SAM



Data Reprocessed On 04/29/1996 11:08:50

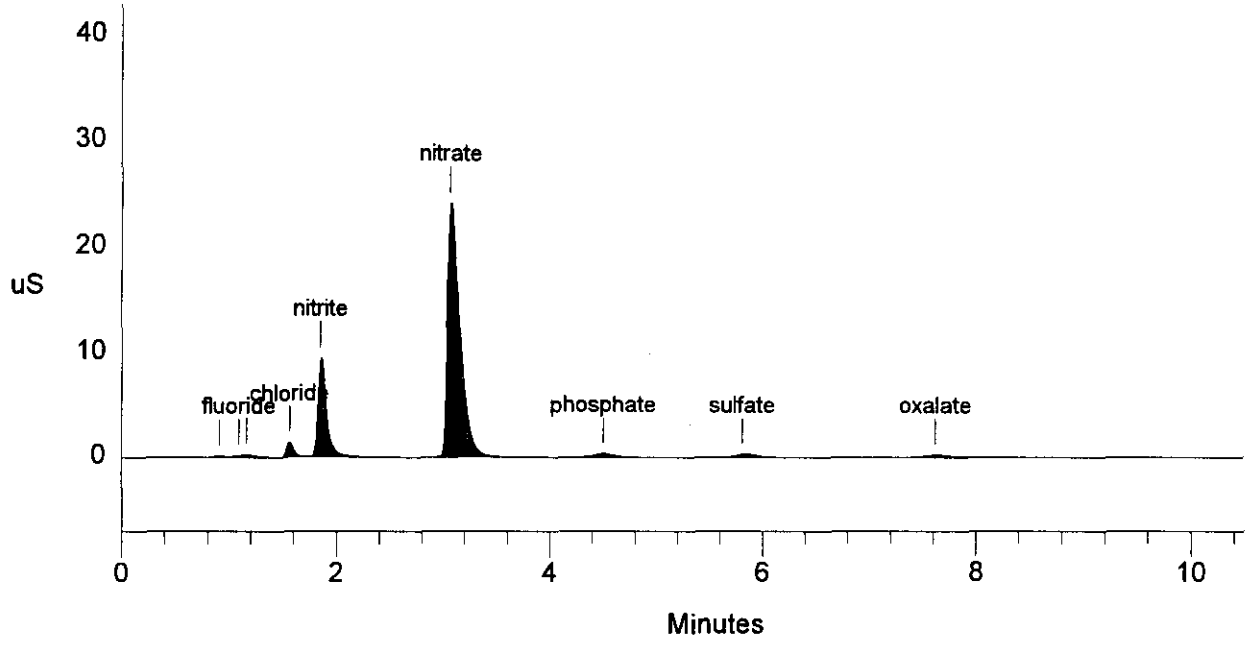
Sample Name: S96T001073 DUP Date: 04/19/1996 20:46:18
Data File : C:\DX\DATA\96041911.d09
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 9 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	51	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	133	683	2	
2	1.09	fluoride	2.679	175	786	2	4.13
3	1.17		0.000	293	2047	2	
4	1.57	chloride	26.835	1413	6542	1	-2.08
5	1.86	nitrite	290.978	9439	52223	1	-4.12
6	3.07	nitrate	1170.405	24025	196682	1	0.11
7	4.51	phosphate	66.136	328	4012	1	-3.43
8	5.81	sulfate	32.104	283	4285	1	-4.39
9	7.63	oxalate	28.091	226	3971	1	-4.03
		Totals	1617.230	36315	271230		

File: 96041911.d09 Sample: S96T001073 DUP



Data Reprocessed On 04/29/1996 11:08:53

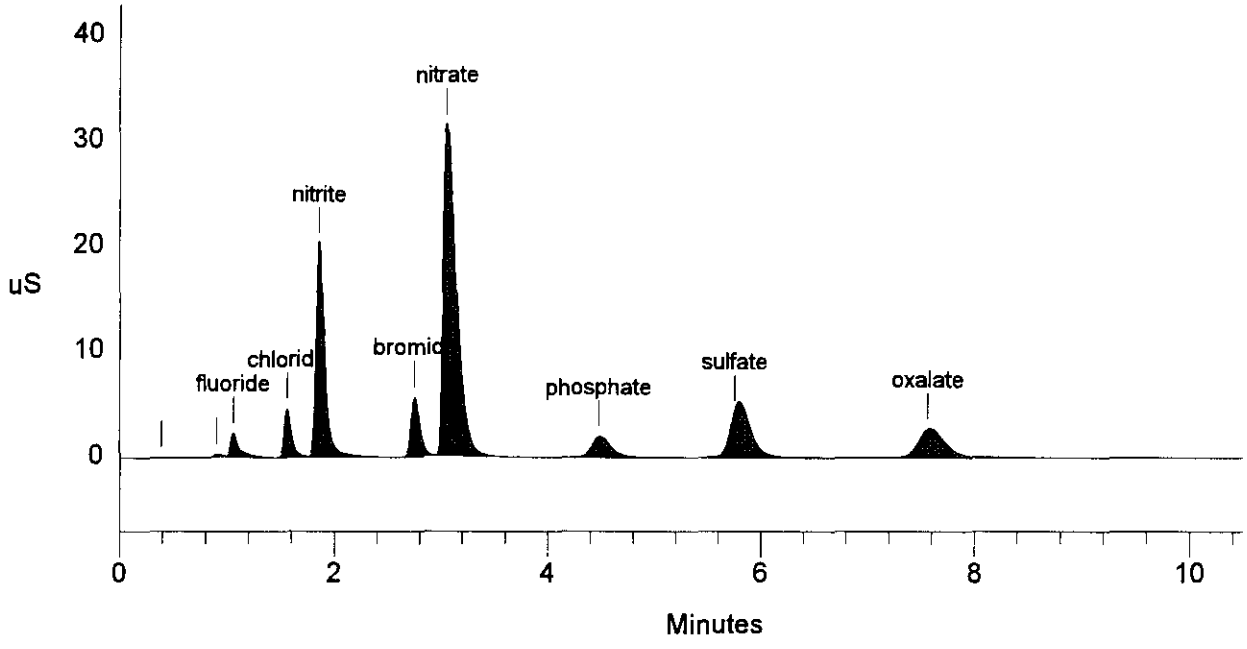
Sample Name: S96T001073 SPIKE Date: 04/19/1996 20:58:11
Data File : C:\DX\DATA\96041911.d10
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 10 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	51	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.39		0.000	14	168	1	
2	0.91		0.000	199	915	2	
3	1.06	fluoride	33.554	2243	13015	2	0.95
4	1.56	chloride	85.918	4550	21631	1	-2.50
5	1.86	nitrite	610.931	20196	113346	1	-4.12
6	2.75	bromide	276.884	5616	32661	1	-0.60
7	3.05	nitrate	1568.889	31356	269922	1	0.11
8	4.48	phosphate	314.347	1945	25122	1	-4.00
9	5.76	sulfate	332.126	4305	67930	1	-5.26
10	7.57	oxalate	294.143	2690	47137	1	-4.70
		Totals	3516.792	73113	591849		

File: 96041911.d10 Sample: S96T001073 SPIKE



Data Reprocessed On 04/29/1996 11:08:56

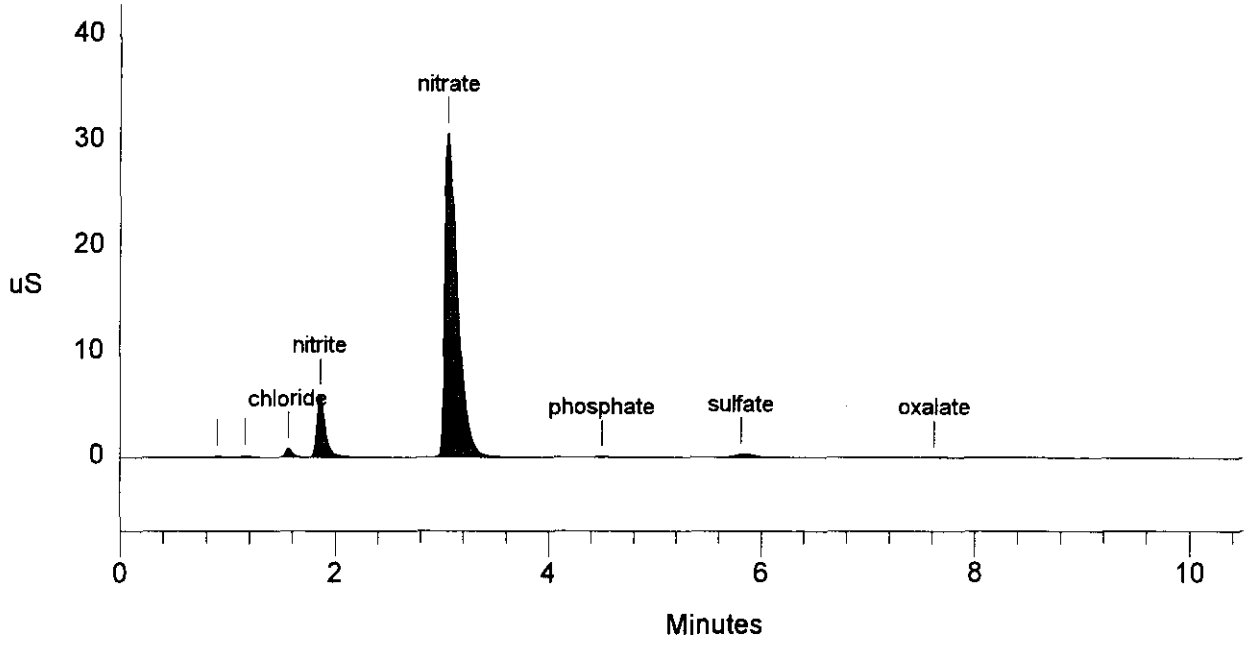
Sample Name: S96T001074 SAM	Date: 04/19/1996 22:22:10
Data File : C:\DX\DATA\96041911.d11	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 11	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	51	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	129	742	2	
2	1.17		0.000	193	1609	2	
3	1.57	chloride	16.744	863	4025	1	-2.08
4	1.87	nitrite	184.749	5944	32225	1	-3.78
5	3.06	nitrate	1503.967	30664	257776	1	0.00
6	4.51	phosphate	28.855	74	871	1	-3.43
7	5.81	sulfate	35.714	328	5039	1	-4.39
8	7.63	oxalate	11.785	86	1348	1	-4.03
		Totals	1781.815	38280	303636		

File: 96041911.d11 Sample: S96T001074 SAM



Data Reprocessed On 04/29/1996 11:08:59

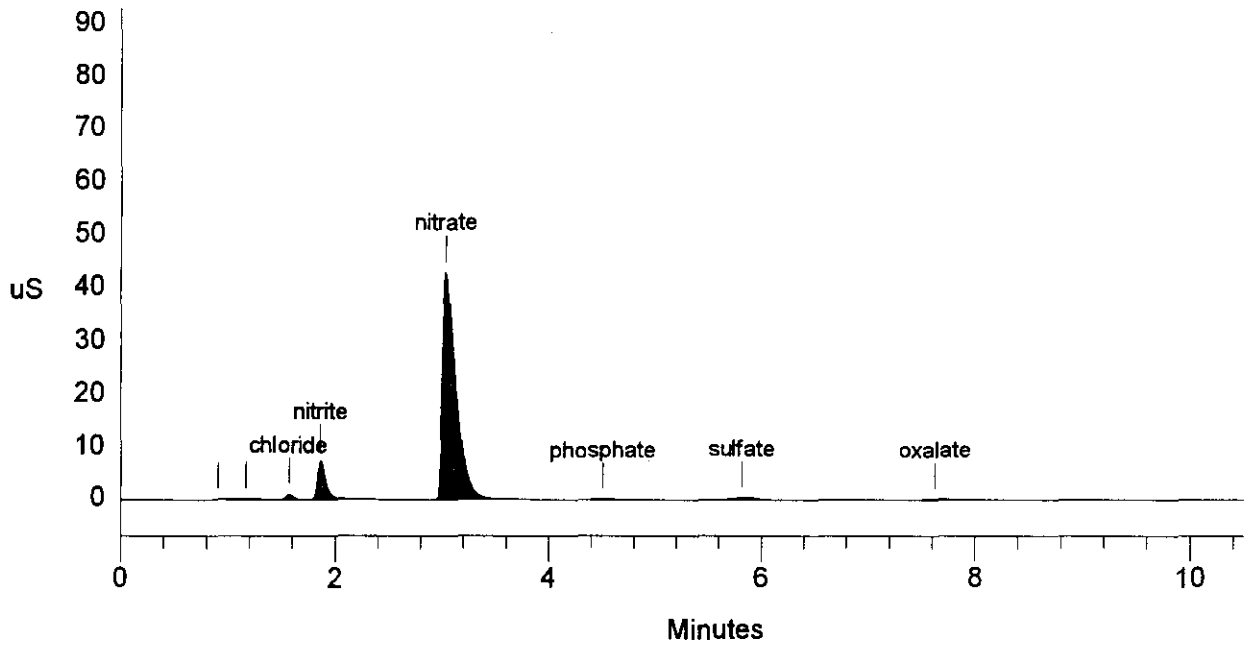
Sample Name: S96T001074 DUP	Date: 04/19/1996 22:33:42
Data File : C:\DX\DATA\96041911.d12	WHC-SD-WM-DP-184, REV. i
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 12	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	51	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	183	1056	2	
2	1.17		0.000	246	1974	2	
3	1.57	chloride	20.912	1101	5063	1	-2.08
4	1.87	nitrite	233.493	7541	41383	1	-3.78
5	3.03	nitrate	2163.061	43044	385419	1	0.11
6	4.51	phosphate	31.966	94	1133	1	-3.43
7	5.81	sulfate	41.032	422	6151	1	-4.39
8	7.63	oxalate	15.735	118	1983	1	-4.03
		Totals	2506.199	52748	444162		

File: 96041911.d12 Sample: S96T001074 DUP



LABCORE Data Entry Template for Worklist# 7495

Analyst: JLF **Instrument:** IC00 **Book#** 133N9-E

Method: LA-533-105 **Rev/Mod** D-1

Worklist Comment: U-107 FOR @IC-01 RTS!

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T001075	0	W	@IC-01	SOLID	96000126	U-107
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
5	DUP	S96T001075	0	W	@IC-01	SOLID		
6	SPK	S96T001075	0	W	@IC-01	SOLID		
7	SAMPLE	S96T001076	0	W	@IC-01	SOLID	96000126	U-107
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
8	DUP	S96T001076	0	W	@IC-01	SOLID		

Final page for worklist # 7495

Jessie L Jinsby 4-19-96
Analyst Signature **Date**

Analyst Signature **Date**

Exported 7495ap1.csv
In Shell 5/15/96 JMF
Uploaded 5/15/96 JMF
Validated 5/20/96 JMF

Data Entry Comments:

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 7495

Analyst: jlf **Instrument:** IC01 **Book#** 133N9E

Method: LA533105 Rev/Mod D-1

Worklist Comment: U-107 FOR @IC-01 RTS!

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1		<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1		<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1		<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1		<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1		3.58e-01	0.358	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1		<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1		<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1		<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01		5.37e+01	91.017	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01		7.84e+01	99.241	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.76e02		5.72e+02	99.306	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02		5.65e+02	98.261	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02		5.90e+02	96.091	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02		5.18e+02	94.872	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02		6.14e+02	97.306	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.37e02		5.34e+02	99.441	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1		<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1		<1.70e-2		ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1		<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1		<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1		<1.40e-1		ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1		<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1		<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1		<1.05e-1		ug/g
4	SAMPLE	S96T001075	W	0	@IC-01	F-02	SOLID	N/A	<	1.449e+02	144.900	ug/g
4	SAMPLE	S96T001075	W	0	@IC-01	CL-02	SOLID	N/A		5.180e+03	189.500	ug/g
4	SAMPLE	S96T001075	W	0	@IC-01	NO2-02	SOLID	N/A		5.590e+04	1193.000	ug/g
4	SAMPLE	S96T001075	W	0	@IC-01	BR-02	SOLID	N/A	<	1.405e+03	1405.000	ug/g
4	SAMPLE	S96T001075	W	0	@IC-01	NO3-02	SOLID	N/A		3.397e+05	1560.000	ug/g
4	SAMPLE	S96T001075	W	0	@IC-01	PO4-02	SOLID	N/A		8.265e+03	1325.000	ug/g
4	SAMPLE	S96T001075	W	0	@IC-01	SO4-02	SOLID	N/A		7.549e+03	1515.000	ug/g
4	SAMPLE	S96T001075	W	0	@IC-01	OXALATE2	SOLID	N/A		2.995e+03	1170.000	ug/g
5	DUP	S96T001075	W	0	@IC-01	F-02	SOLID	<1.45e2		<1.35e2		RPD
5	DUP	S96T001075	W	0	@IC-01	CL-02	SOLID	5.18e+03		5.27e+03	1.722	RPD
5	DUP	S96T001075	W	0	@IC-01	NO2-02	SOLID	5.59e+04		5.72e+04	2.299	RPD
5	DUP	S96T001075	W	0	@IC-01	BR-02	SOLID	<1.40e3		<1.31e3		RPD
5	DUP	S96T001075	W	0	@IC-01	NO3-02	SOLID	3.40e+05		3.68e+05	7.910	RPD
5	DUP	S96T001075	W	0	@IC-01	PO4-02	SOLID	8.26e+03		8.75e+03	5.761	RPD
5	DUP	S96T001075	W	0	@IC-01	SO4-02	SOLID	7.55e+03		7.75e+03	2.614	RPD
5	DUP	S96T001075	W	0	@IC-01	OXALATE2	SOLID	3.00e+03		2.99e+03	0.334	RPD
6	SPK	S96T001075	W	0	@IC-01	F-02	SOLID	5.90e01		6.39e+01	108.305	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 7495

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
6	SPK	S96T001075	0	W	@IC-01	CL-02	SOLID	7.90e01	7.91e+01	100.127	% Recovery
6	SPK	S96T001075	0	W	@IC-01	NO2-02	SOLID	5.76e02	6.38e+02	110.764	% Recovery
6	SPK	S96T001075	0	W	@IC-01	BR-02	SOLID	5.75e02	5.60e+02	97.391	% Recovery
6	SPK	S96T001075	0	W	@IC-01	NO3-02	SOLID	6.14e02	7.65e+02	124.593	% Recovery
6	SPK	S96T001075	0	W	@IC-01	PO4-02	SOLID	5.46e02	4.90e+02	89.744	% Recovery
6	SPK	S96T001075	0	W	@IC-01	SO4-02	SOLID	6.31e02	6.10e+02	96.672	% Recovery
6	SPK	S96T001075	0	W	@IC-01	OXALATE2	SOLID	5.37e02	5.39e+02	100.372	% Recovery
7	SAMPLE	S96T001076	0	W	@IC-01	F-02	SOLID	N/A	3.775e+02	128.300	ug/g
7	SAMPLE	S96T001076	0	W	@IC-01	CL-02	SOLID	N/A	3.376e+03	167.700	ug/g
7	SAMPLE	S96T001076	0	W	@IC-01	NO2-02	SOLID	N/A	3.568e+04	1056.000	ug/g
7	SAMPLE	S96T001076	0	W	@IC-01	BR-02	SOLID	N/A	2.562e+03	1243.000	ug/g
7	SAMPLE	S96T001076	0	W	@IC-01	NO3-02	SOLID	N/A	2.643e+05	1381.000	ug/g
7	SAMPLE	S96T001076	0	W	@IC-01	PO4-02	SOLID	N/A	6.033e+04	1174.000	ug/g
7	SAMPLE	S96T001076	0	W	@IC-01	SO4-02	SOLID	N/A	3.786e+03	1341.000	ug/g
7	SAMPLE	S96T001076	0	W	@IC-01	OXALATE2	SOLID	N/A	9.934e+03	1036.000	ug/g
8	DUP	S96T001076	0	W	@IC-01	F-02	SOLID	3.78e+02	3.19e+02	16.930	RPD
8	DUP	S96T001076	0	W	@IC-01	CL-02	SOLID	3.38e+03	2.87e+03	16.320	RPD
8	DUP	S96T001076	0	W	@IC-01	NO2-02	SOLID	3.57e+04	3.05e+04	15.710	RPD
8	DUP	S96T001076	0	W	@IC-01	BR-02	SOLID	2.56e+03	2.63e+03	2.697	RPD
8	DUP	S96T001076	0	W	@IC-01	NO3-02	SOLID	2.64e+05	2.49e+05	5.848	RPD
8	DUP	S96T001076	0	W	@IC-01	PO4-02	SOLID	6.03e+04	4.97e+04	19.273	RPD
8	DUP	S96T001076	0	W	@IC-01	SO4-02	SOLID	3.79e+03	3.51e+03	7.671	RPD
8	DUP	S96T001076	0	W	@IC-01	OXALATE2	SOLID	9.93e+03	8.16e+03	19.569	RPD

Comments Section:

Comments for sample# S96T001075 **and test** @IC-01 .
NO3 too high to do accurate spike. jmf

Final page for worklist# 7495

Analyst Signature **Date**

Analyst Signature **Date**

H Anastor 5-21-96
Reviewer Signature **Date**

A-0010-IC DATA FILE/WORKLIST RESOLUTION 15-May-96

Worklist#: 7495

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S96T001075
=>	5	DUP	S96T001075
=>	6	SPK	S96T001075
=>	7	SAMPLE	S96T001076
=>	8	DUP	S96T001076

Data File: 7495AP1.CSV

Seq#	Data File	Sample Name	Dilution
1	96041911.d14	BLANK	1.00
2	96041911.d15	133N9-E	101.00
3	96041911.d16	BLANK PREP	1.00
	96041911.d17	S96T001075 SAM	101.00
4	96041911.d18	S96T001075 SAM	51.00
5	96041911.d19	S96T001075 DUP	51.00
6	96042011.d20	S96T001075 SPIKE	51.00
7	96042011.d21	S96T001076 SAM	51.00
8	96042011.d22	S96T001076 DUP	51.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 05/15/1996 10:48:34

Sample Name: BLANK
Date: 04/19/1996 23:00:56
Data File : C:\DX\DATA\96041911.d14
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 14
Detector: CDM-1
Analyst :
Column: AG4A/AS4A anion column

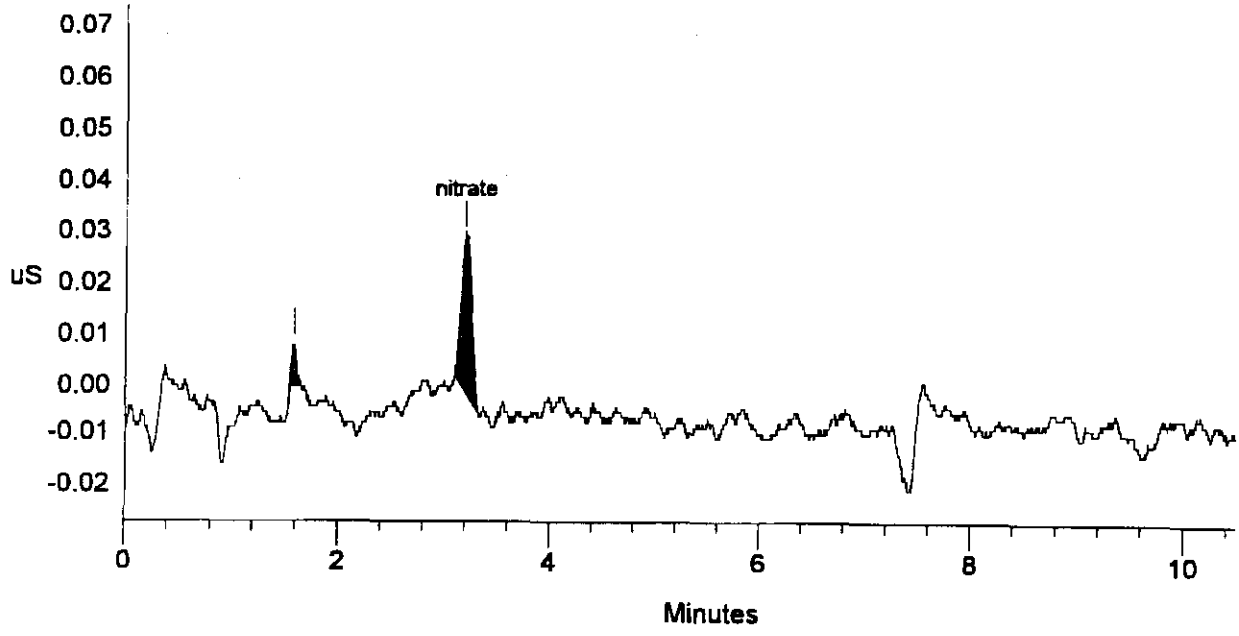
HAnastn for JL Irwby 5.21.96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	3.19	nitrate	0.358	30	209	1	-5.24
		Totals	0.358	30	209		

File: 96041911.d14 Sample: BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 317 TO 325.

Data Reprocessed On 05/15/1996 10:48:37

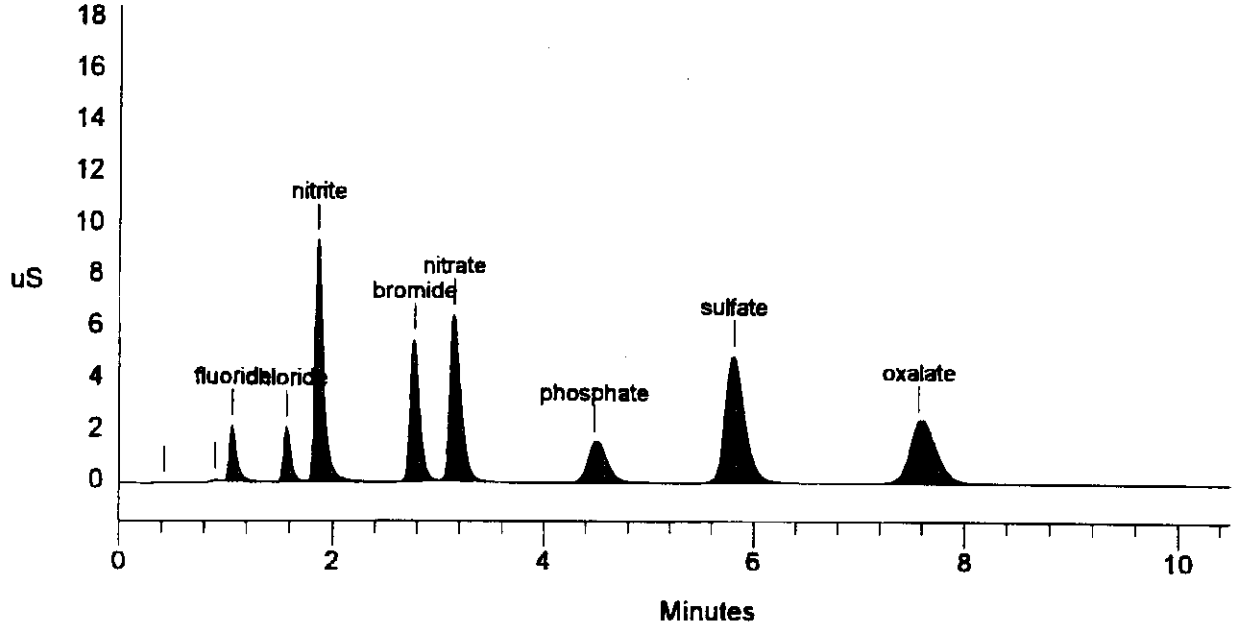
Sample Name: 133N9-E	Date: 04/19/1996 23:13:50
Data File : C:\DX\DATA\96041911.d15	
Method : C:\DX\METHOD\KIT.MET	WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 15	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.43		0.000	13	111	1	
2	0.91		0.000	76	327	2	
3	1.07	fluoride	53.711	2168	10437	2	1.59
4	1.57	chloride	78.417	2129	9749	1	-1.67
5	1.87	nitrite	571.953	9343	51813	1	-3.78
6	2.77	bromide	565.030	5486	33718	1	0.12
7	3.15	nitrate	590.356	6454	46082	1	-6.63
8	4.48	phosphate	518.298	1561	20616	1	-4.00
9	5.81	sulfate	614.450	4923	63225	1	-4.39
10	7.57	oxalate	533.744	2415	43111	1	-4.70
		Totals	3525.959	34567	279189		

File: 96041911.d15 Sample: 133N9-E



Data Reprocessed On 05/15/1996 10:48:40

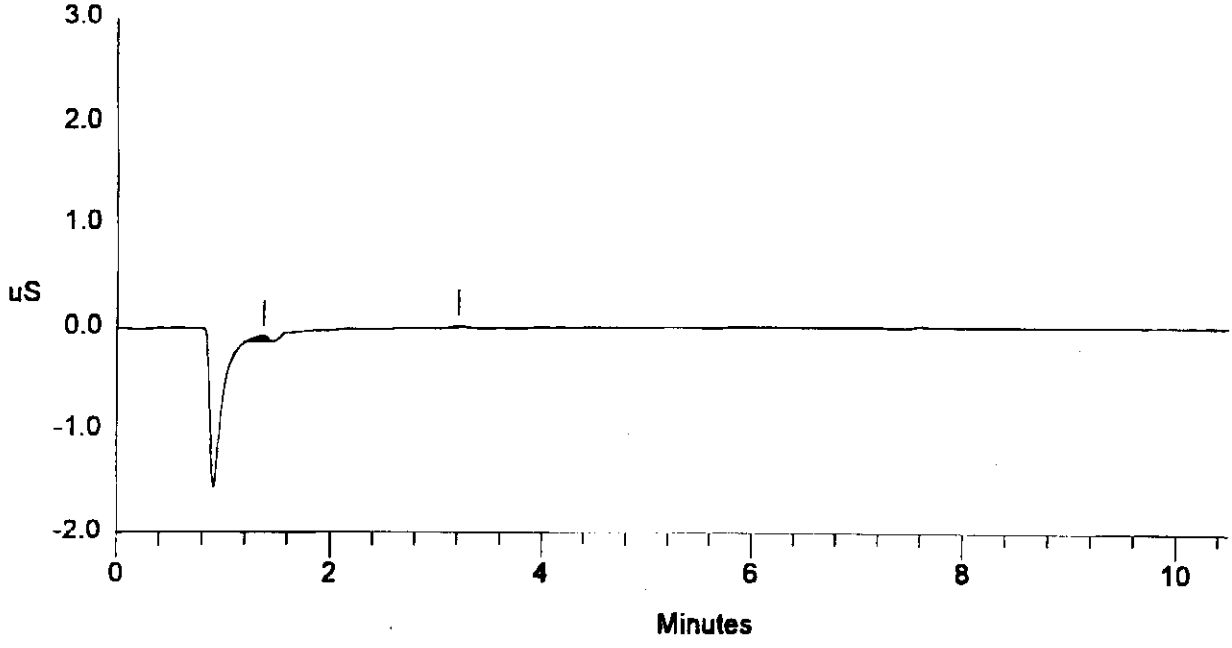
Sample Name: BLANK PREP
Date: 04/19/1996 23:28:29
Data File : C:\DX\DATA\96041911.d16
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 16 Detector: CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.37		0.000	57	529	1	
		Totals	0.000	57	529		

File: 96041911.d16 Sample: BLANK PREP



Data Reprocessed On 05/15/1996 10:48:42

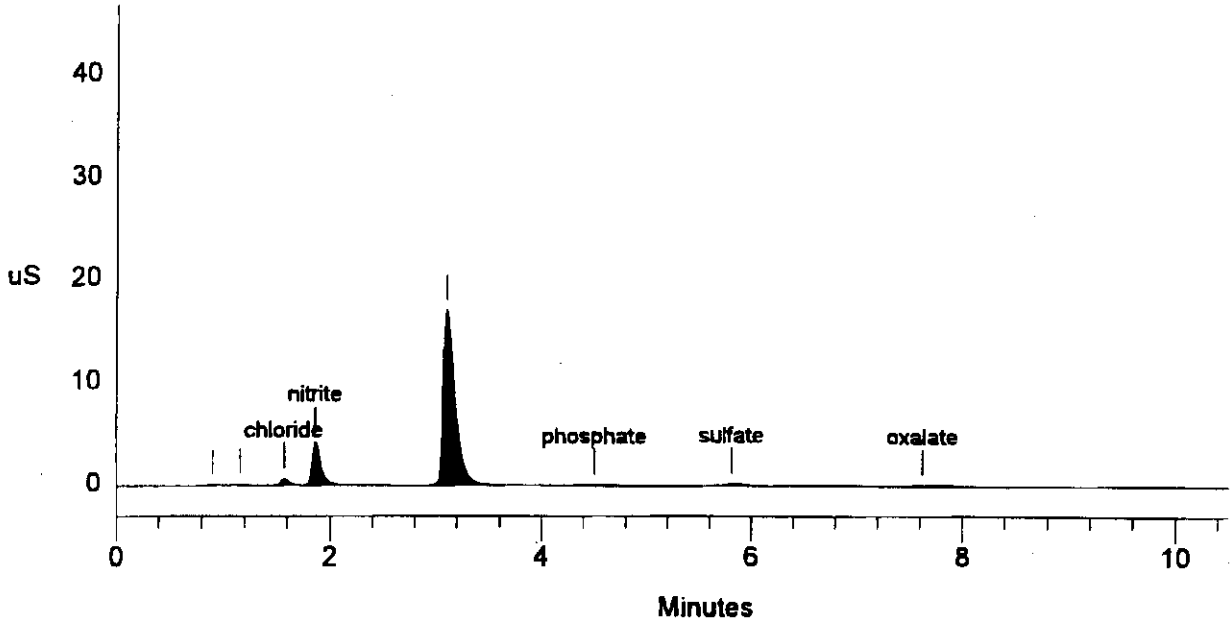
Sample Name: S96T001075 SAM Date: 04/19/1996 23:44:13
Data File : C:\DX\DATA\96041911.d17
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 17 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	67	346	2	
2	1.17		0.000	118	879	2	
3	1.57	chloride	24.933	652	2994	1	-1.67
4	1.87	nitrite	272.040	4195	23352	1	-3.78
5	3.11		0.000	16975	131741	1	
6	4.51	phosphate	57.050	70	867	1	-3.43
7	5.81	sulfate	47.500	171	2590	1	-4.39
8	7.63	oxalate	17.971	57	912	1	-4.03
		Totals	419.494	22305	163683		

File: 96041911.d17 Sample: S96T001075 SAM



Data Reprocessed On 05/15/1996 10:48:45

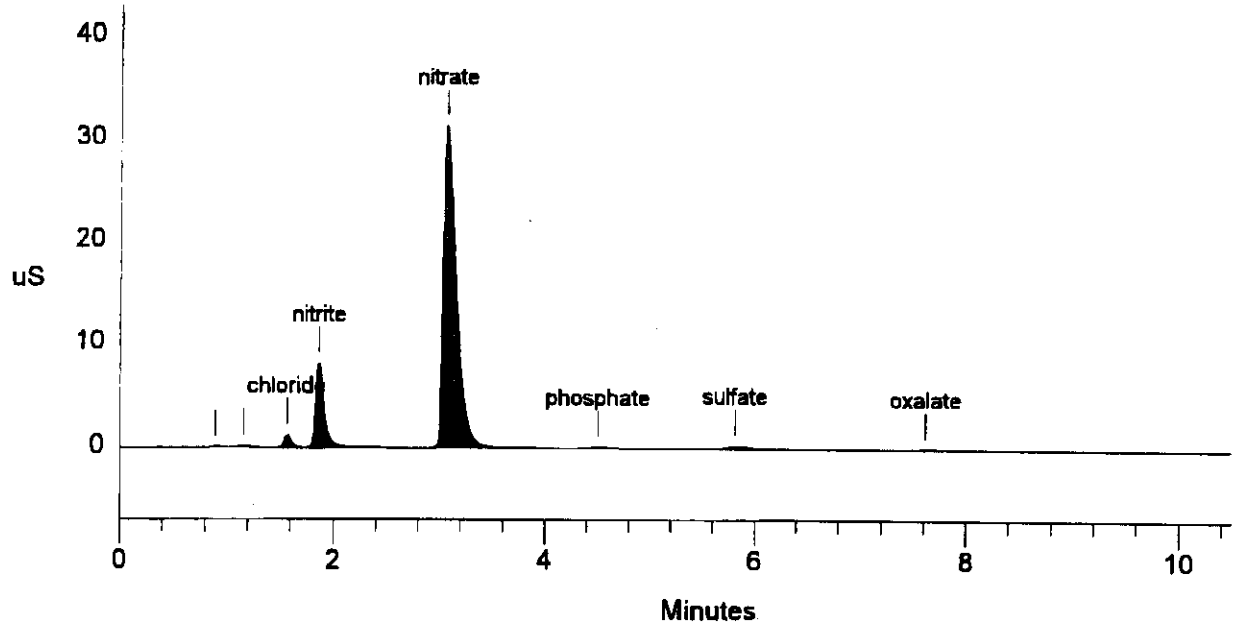
Sample Name: S96T001075 SAM Date: 04/19/1996 23:59:49
Data File : C:\DX\DATA\96041911.d18
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-184, REV.
ACI Address: 1 System: 1 Inject#: 18 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	51	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	128	698	2	
2	1.17		0.000	241	1952	2	
3	1.57	chloride	23.697	1218	5758	1	-2.08
4	1.87	nitrite	255.749	8118	45575	1	-3.78
5	3.07	nitrate	1554.348	31300	267194	1	-0.11
6	4.51	phosphate	37.812	133	1625	1	-3.43
7	5.81	sulfate	34.538	315	4794	1	-4.39
8	7.63	oxalate	13.701	102	1656	1	-4.03
		Totals	1919.845	41555	329252		

File: 96041911.d18 Sample: S96T001075 SAM



Data Reprocessed On 05/15/1996 10:48:48

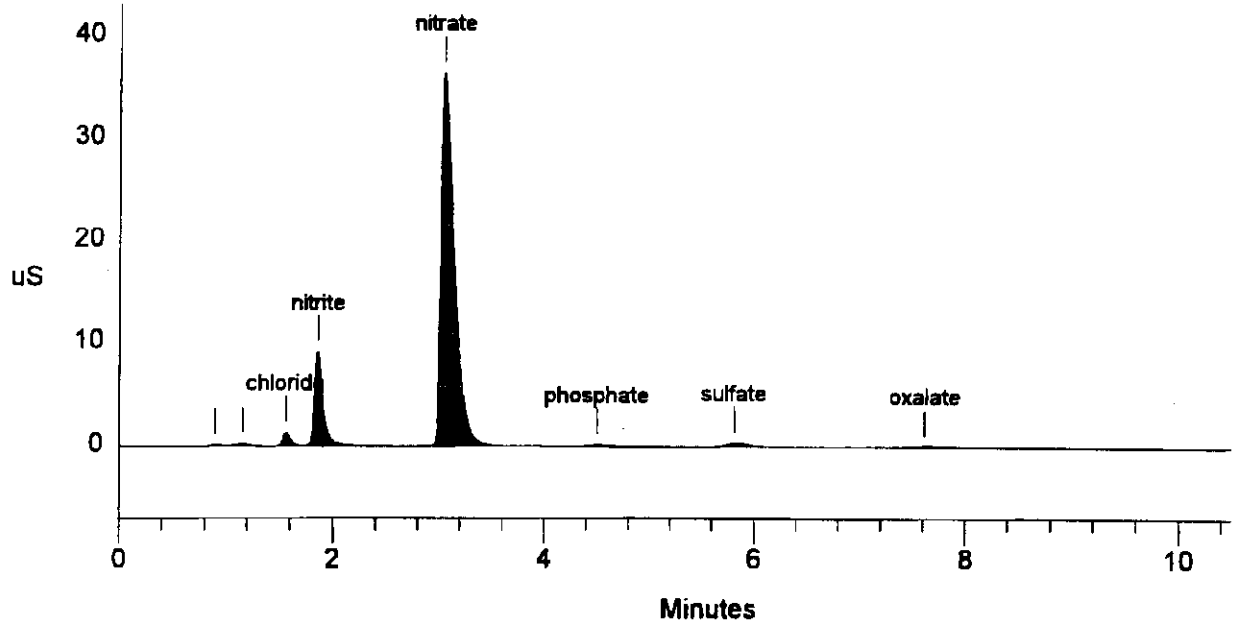
Sample Name: S96T001075 DUP
Date: 04/20/1996 00:14:39
Data File : C:\DX\DATA\96041911.d19
WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 19 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	51	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	152	802	2	
2	1.17		0.000	281	2427	2	
3	1.57	chloride	25.898	1342	6308	1	-2.08
4	1.87	nitrite	281.467	9109	50426	1	-3.78
5	3.05	nitrate	1808.500	36356	315526	1	0.11
6	4.51	phosphate	43.034	170	2065	1	-3.43
7	5.81	sulfate	38.109	381	5540	1	-4.39
8	7.63	oxalate	14.690	110	1815	1	-4.03
		Totals	2211.698	47902	384908		

File: 96041911.d19 Sample: S96T001075 DUP



Data Reprocessed On 05/15/1996 10:48:51

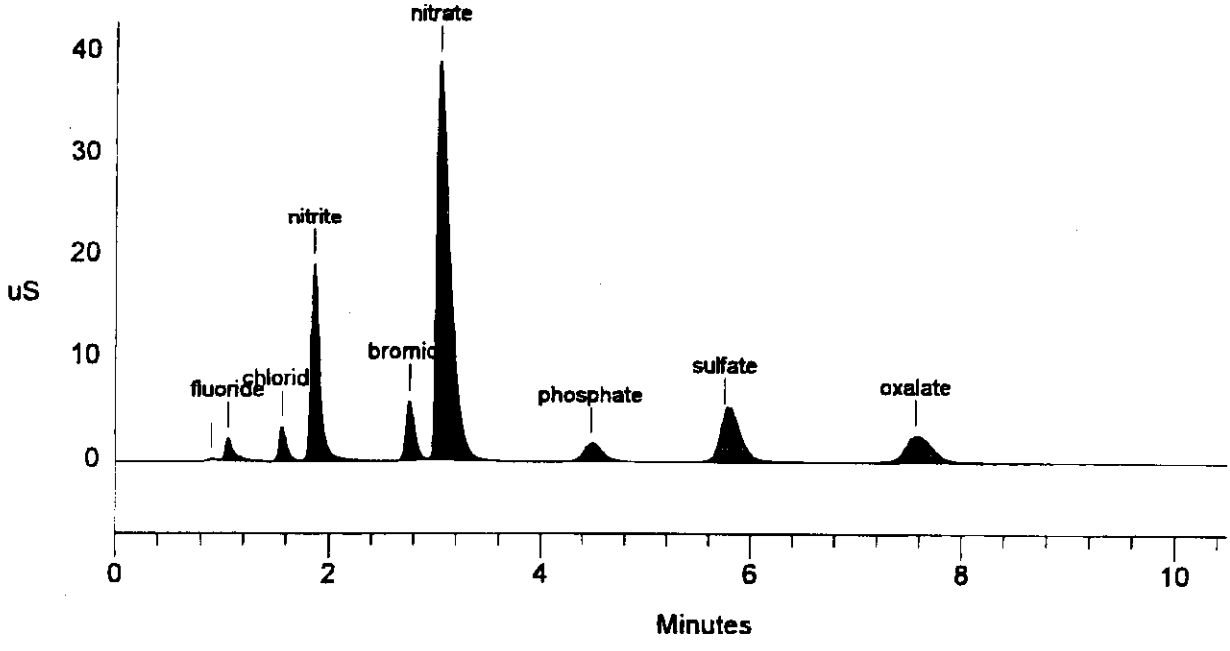
Sample Name: S96T001075 SPIKE	Date: 04/20/1996 00:27:30
Data File : C:\DX\DATA\96042011.d20	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 20	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	51	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	195	877	2	
2	1.06	fluoride	31.962	2165	12375	2	0.95
3	1.57	chloride	63.251	3351	15769	1	-2.08
4	1.87	nitrite	574.673	19047	106350	1	-3.78
5	2.76	bromide	279.781	5790	33024	1	-0.36
6	3.05	nitrate	1936.744	38853	340459	1	-0.11
7	4.48	phosphate	283.013	1768	22437	1	-4.00
8	5.76	sulfate	339.557	4637	69533	1	-5.26
9	7.57	oxalate	283.192	2611	45346	1	-4.70
		Totals	3792.173	78419	646170		

File: 96042011.d20 Sample: S96T001075 SPIKE



Data Reprocessed On 05/15/1996 10:48:53

Sample Name: S96T001076 SAM Date: 04/20/1996 00:39:15
Data File : C:\DX\DATA\96042011.d21
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 21 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

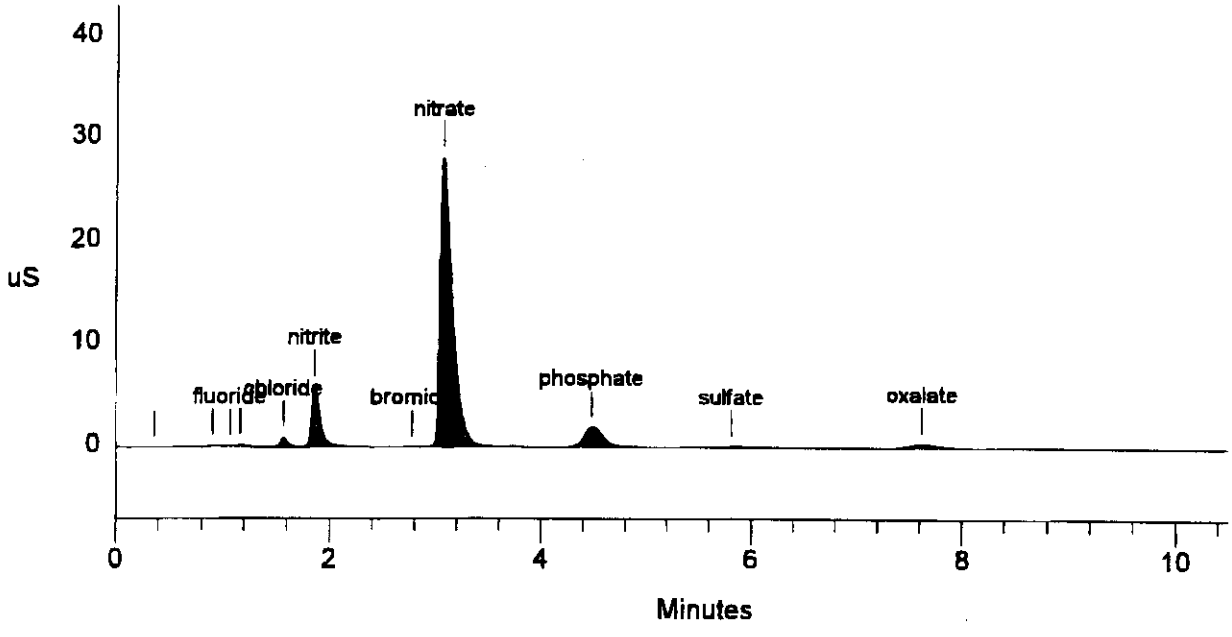
WHC-SD-WM-DP-184, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	51	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.36		0.000	16	130	1	
2	0.91		0.000	126	635	2	
3	1.07	fluoride	1.951	113	502	2	2.22
4	1.17		0.000	212	1432	2	
5	1.57	chloride	17.447	914	4200	1	-1.67
6	1.87	nitrite	184.388	5862	32158	1	-3.78
7	2.78	bromide	13.240	32	158	1	0.36
8	3.07	nitrate	1365.826	28039	232213	1	0.11
9	4.48	phosphate	311.787	1917	24902	1	-4.00
10	5.81	sulfate	19.566	109	1669	1	-4.39
11	7.63	oxalate	51.340	457	7714	1	-4.03
		Totals	1965.545	37796	305714		

File: 96042011.d21 Sample: S96T001076 SAM



Data Reprocessed On 05/15/1996 10:48:57

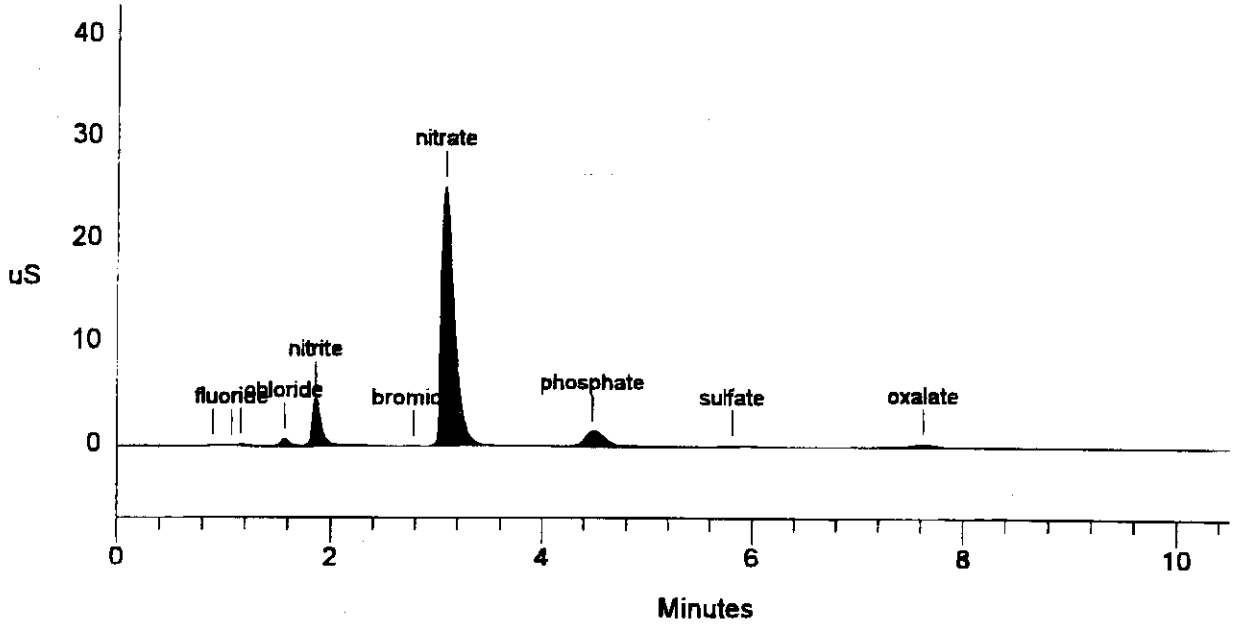
Sample Name: S96T001076 DUP	Date: 04/20/1996 00:52:14
Data File : C:\DX\DATA\96042011.d22	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 22	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	51	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	106	534	2	
2	1.08	fluoride	1.586	78	360	2	2.86
3	1.17		0.000	156	915	2	
4	1.57	chloride	14.261	715	3409	1	-1.67
5	1.87	nitrite	151.937	4648	26078	1	-3.78
6	2.79	bromide	13.109	27	143	1	0.60
7	3.08	nitrate	1239.314	25198	209129	1	0.00
8	4.48	phosphate	247.141	1510	19371	1	-4.00
9	5.81	sulfate	17.443	84	1226	1	-4.39
10	7.63	oxalate	40.628	346	5989	1	-4.03
		Totals	1725.420	32869	267152		

File: 96042011.d22 Sample: S96T001076 DUP



LABCORE Data Entry Template for Worklist# 7496

96041811, D23 7 D32

Analyst: JLF **Instrument:** IC00 _____ **Book#** 133NG-E

Method: LA-533-105 **Rev/Mod** D-1

Worklist Comment: U-107 FOR @IC-01 RTS!

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T001077	0	W	@IC-01	SOLID	96000126	U-107
	Analytes Requested:				BR-02 , CL-02 , F-02 , OXALATE2, PO4-02 , SO4-			
5	DUP	S96T001077	0	W	@IC-01	SOLID		
6	SPK	S96T001077	0	W	@IC-01	SOLID		
7	SAMPLE	S96T001078	0	W	@IC-01	SOLID	9600	
	Analytes Requested:				BR-02 , CL-02 , F-02 , OXALATE2, PO4-02 , SO4-02			
8	DUP	S96T001078	0	W	@IC-01	SOLID		

NO3 Label Fixed

Final page for worklist # 7496

Jesse L. Justy 4-19-96

Analyst Signature **Date** **Analyst Signature** **Date**

Exported 7496 ag.csv
In shell
Uploaded 5/6/96 JM Fuge
Validated 5/6/96 JM Fuge

Data Entry Comments:

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 7496

Analyst: JLF **Instrument:** IC01 **Book#** 133 N9E

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-107 FOR @IC-01 RTS!

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1	<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1	<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1	<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1	<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1	3.51e-01	0.351	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01	5.51e+01	93.390	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01	7.46e+01	94.430	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.76e02	5.67e+02	98.438	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02	5.58e+02	97.043	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02	6.02e+02	98.046	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02	5.24e+02	95.971	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02	6.23e+02	98.732	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.37e02	5.37e+02	100.000	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1	<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1	<1.70e-2		ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1	<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1	<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1	<1.40e-1		ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1	<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1	<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1	<1.05e-1		ug/g
4	SAMPLE	S96T001077	W	0	@IC-01	F-02	SOLID	N/A	4.918e+02	94.220	ug/g
4	SAMPLE	S96T001077	W	0	@IC-01	CL-02	SOLID	N/A	3.394e+03	123.200	ug/g
4	SAMPLE	S96T001077	W	0	@IC-01	NO2-02	SOLID	N/A	3.592e+04	775.300	ug/g
4	SAMPLE	S96T001077	W	0	@IC-01	BR-02	SOLID	N/A	1.835e+03	913.100	ug/g
4	SAMPLE	S96T001077	W	0	@IC-01	NO3-02	SOLID	N/A	2.197e+05	1014.000	ug/g
4	SAMPLE	S96T001077	W	0	@IC-01	PO4-02	SOLID	N/A	6.699e+04	861.800	ug/g
4	SAMPLE	S96T001077	W	0	@IC-01	SO4-02	SOLID	N/A	2.520e+03	984.800	ug/g
4	SAMPLE	S96T001077	W	0	@IC-01	OXALATE2	SOLID	N/A	1.572e+04	761.000	ug/g
5	DUP	S96T001077	W	0	@IC-01	F-02	SOLID	4.92e+02	4.70e+02	4.574	RPD
5	DUP	S96T001077	W	0	@IC-01	CL-02	SOLID	3.39e+03	5.89e+03	53.879	RPD
5	DUP	S96T001077	W	0	@IC-01	NO2-02	SOLID	3.59e+04	3.22e+04	10.866	RPD
5	DUP	S96T001077	W	0	@IC-01	BR-02	SOLID	1.84e+03	<9.68e2		RPD
5	DUP	S96T001077	W	0	@IC-01	NO3-02	SOLID	2.20e+05	2.51e+05	13.163	RPD
5	DUP	S96T001077	W	0	@IC-01	PO4-02	SOLID	6.70e+04	5.91e+04	12.530	RPD
5	DUP	S96T001077	W	0	@IC-01	SO4-02	SOLID	2.52e+03	2.96e+03	16.058	RPD
5	DUP	S96T001077	W	0	@IC-01	OXALATE2	SOLID	1.57e+04	1.48e+04	5.902	RPD
6	SPK	S96T001077	W	0	@IC-01	F-02	SOLID	5.90e01	6.50e+01	110.169	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 7496

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
6	SPK	S96T001077	0	W	@IC-01	CL-02	SOLID	7.90e01		7.50e+01	94.937	% Recovery
6	SPK	S96T001077	0	W	@IC-01	NO2-02	SOLID	5.76e02		5.85e+02	101.562	% Recovery
6	SPK	S96T001077	0	W	@IC-01	BR-02	SOLID	5.75e02		5.27e+02	91.652	% Recovery
6	SPK	S96T001077	0	W	@IC-01	NO3-02	SOLID	6.14e02		6.40e+02	104.235	% Recovery
6	SPK	S96T001077	0	W	@IC-01	PO4-02	SOLID	5.46e02		5.06e+02	92.674	% Recovery
6	SPK	S96T001077	0	W	@IC-01	SO4-02	SOLID	6.31e02		5.99e+02	94.929	% Recovery
6	SPK	S96T001077	0	W	@IC-01	OXALATE2	SOLID	5.37e02		5.40e+02	100.559	% Recovery
7	SAMPLE	S96T001078	0	W	@IC-01	F-02	SOLID	N/A		5.807e+02	150.800	ug/g
7	SAMPLE	S96T001078	0	W	@IC-01	CL-02	SOLID	N/A		2.885e+03	197.200	ug/g
7	SAMPLE	S96T001078	0	W	@IC-01	NO2-02	SOLID	N/A		3.086e+04	1241.000	ug/g
7	SAMPLE	S96T001078	0	W	@IC-01	BR-02	SOLID	N/A	<	1.462e+03	1462.000	ug/g
7	SAMPLE	S96T001078	0	W	@IC-01	NO3-02	SOLID	N/A		4.739e+05	1623.000	ug/g
7	SAMPLE	S96T001078	0	W	@IC-01	PO4-02	SOLID	N/A		4.308e+04	1379.000	ug/g
7	SAMPLE	S96T001078	0	W	@IC-01	SO4-02	SOLID	N/A		4.077e+03	1576.000	ug/g
7	SAMPLE	S96T001078	0	W	@IC-01	OXALATE2	SOLID	N/A		1.888e+03	1218.000	ug/g
8	DUP	S96T001078	0	W	@IC-01	F-02	SOLID	5.81e+02		8.78e+02	40.713	RPD
8	DUP	S96T001078	0	W	@IC-01	CL-02	SOLID	2.88e+03		2.92e+03	1.379	RPD
8	DUP	S96T001078	0	W	@IC-01	NO2-02	SOLID	3.09e+04		3.03e+04	1.961	RPD
8	DUP	S96T001078	0	W	@IC-01	BR-02	SOLID	<1.46e3		<1.51e3		RPD
8	DUP	S96T001078	0	W	@IC-01	NO3-02	SOLID	4.74e+05		4.74e+05	0.000	RPD
8	DUP	S96T001078	0	W	@IC-01	PO4-02	SOLID	4.31e+04		4.04e+04	6.467	RPD
8	DUP	S96T001078	0	W	@IC-01	SO4-02	SOLID	4.08e+03		3.83e+03	6.321	RPD
8	DUP	S96T001078	0	W	@IC-01	OXALATE2	SOLID	1.89e+03		2.07e+03	9.091	RPD

Final page for worklist# 7496

Analyst Signature Date

Analyst Signature Date

Reviewer Signature Date 5/6/96

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 06-May-96

Worklist#: 7496

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S96T001077
=>	5	DUP	S96T001077
=>	6	SPK	S96T001077
=>	7	SAMPLE	S96T001078
=>	8	DUP	S96T001078

Data File: 7496AP.CSV

Seq#	Data File	Sample Name	Dilution
1	96042011.d23	BLANK	1.00
2	96042011.d24	133N9-E	101.00
3	96042011.d25	BLANK PREP	1.00
4	96042011.d27	S96T001077 SAM	41.00
5	96042011.d28	S96T001077 DUP	41.00
6	96042011.d29	S96T001077 SPIKE	41.00
7	96042011.d31	S96T001078 SAM	67.67
8	96042011.d32	S96T001078 DUP	67.67

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 04/29/1996 11:52:33

Sample Name: BLANK	Date: 04/20/1996 01:04:34
Data File : C:\DX\DATA\96042011.d23	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 23	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

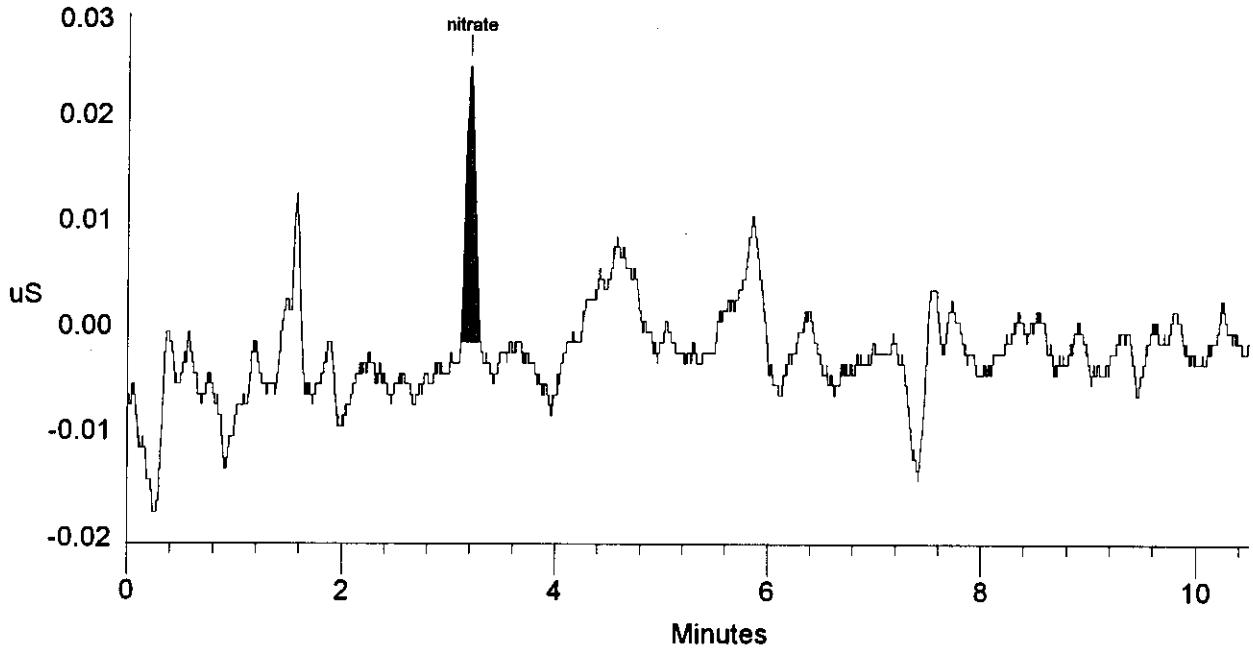
JAnastos For JL Friday 5.21.96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	3.20	nitrate	0.351	26	152	1	-5.04
		Totals	0.351	26	152		

File: 96042011.d23 Sample: BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 330 TO 337

Data Reprocessed On 04/29/1996 11:52:38

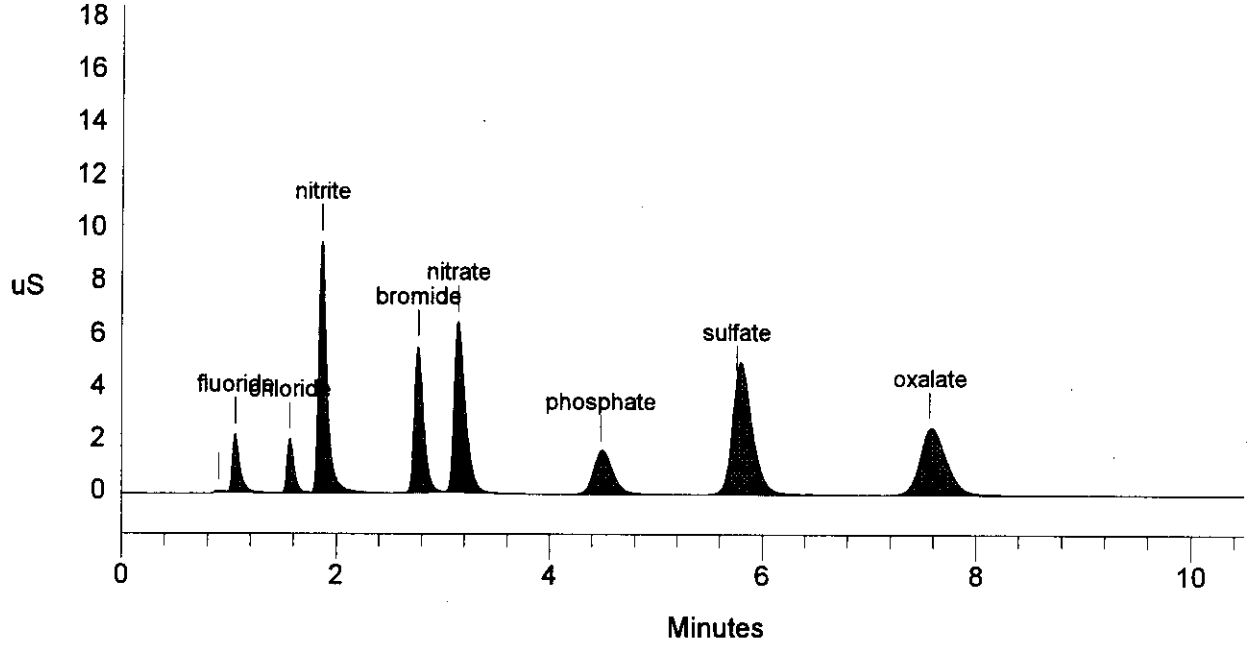
Sample Name: 133N9-E
Date: 04/20/1996 01:18:02
Data File : C:\DX\DATA\96042011.d24
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 24 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	74	320	2	
2	1.06	fluoride	55.111	2214	10719	2	0.95
3	1.57	chloride	74.606	2045	9264	1	-2.08
4	1.87	nitrite	566.693	9526	51311	1	-3.78
5	2.77	bromide	558.486	5554	33303	1	-0.12
6	3.14	nitrate	602.164	6464	47072	1	-6.82
7	4.48	phosphate	524.172	1615	20869	1	-4.00
8	5.76	sulfate	623.220	4261	64177	1	-5.26
9	7.57	oxalate	536.525	2523	43341	1	-4.70
		Totals	3540.977	34276	280377		

File: 96042011.d24 Sample: 133N9-E



Data Reprocessed On 04/29/1996 11:52:41

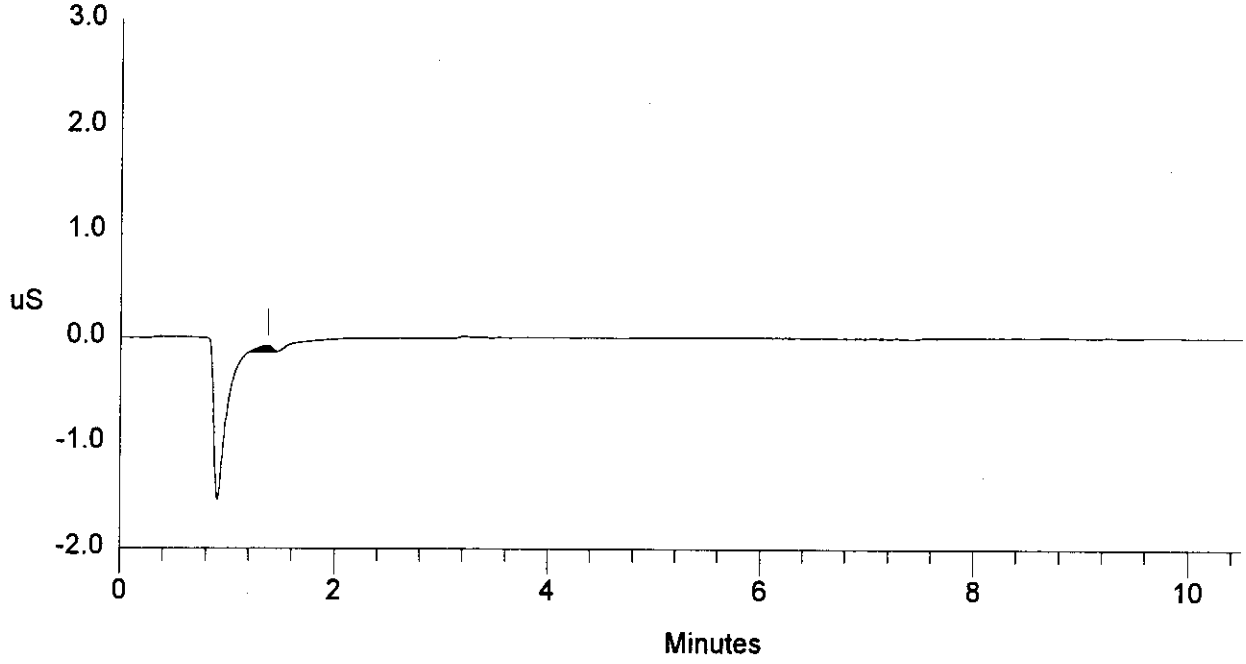
Sample Name: BLANK PREP	Date: 04/20/1996 01:29:46
Data File : C:\DX\DATA\96042011.d25	
Method : C:\DX\METHOD\KIT.MET	WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 25	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.37		0.000	58	522	1	
		Totals	0.000	58	522		

File: 96042011.d25 Sample: BLANK PREP



Data Reprocessed On 04/29/1996 11:52:45

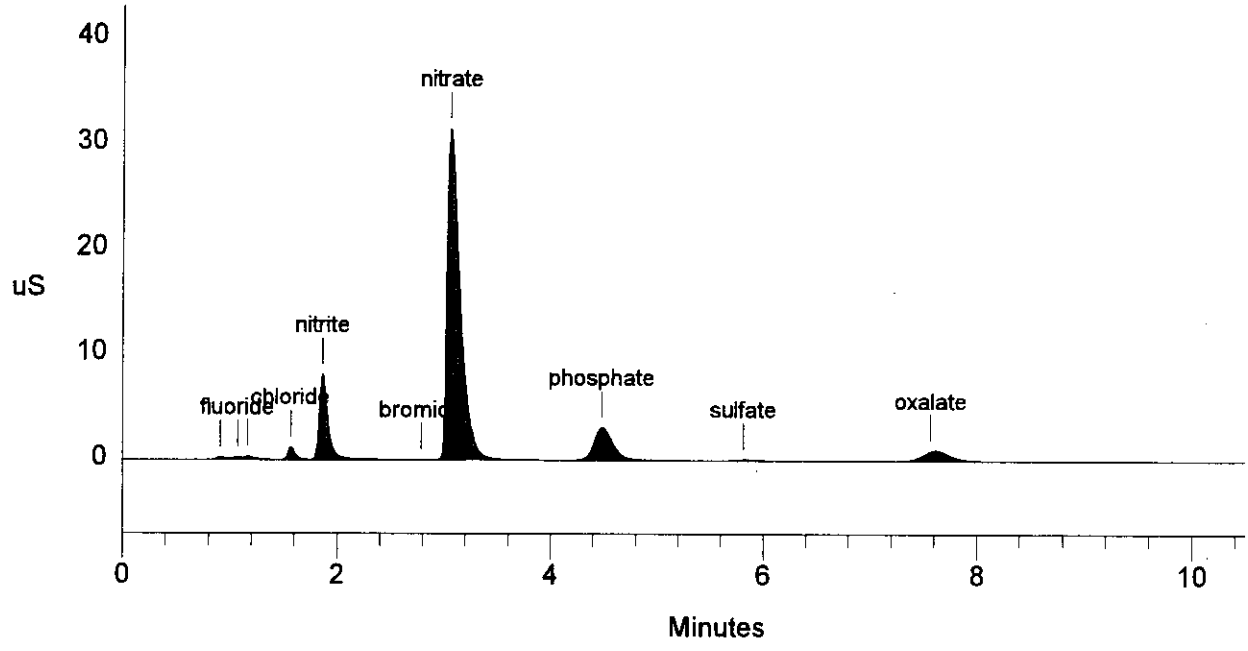
Sample Name: S96T001077 SAM Date: 04/20/1996 01:57:42
Data File : C:\DX\DATA\96042011.d27 WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 27 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	166	883	2	
2	1.07	fluoride	2.782	233	1091	2	2.22
3	1.17		0.000	308	2199	2	
4	1.57	chloride	19.200	1211	5804	1	-2.08
5	1.87	nitrite	203.175	8102	45006	1	-3.78
6	2.79	bromide	10.382	24	119	1	0.60
7	3.06	nitrate	1243.086	31420	265682	1	0.00
8	4.48	phosphate	378.935	3073	38661	1	-4.00
9	5.81	sulfate	14.256	85	1286	1	-4.39
10	7.57	oxalate	88.944	908	17288	1	-4.70
		Totals	1960.759	45531	378018		

File: 96042011.d27 Sample: S96T001077 SAM



Data Reprocessed On 04/29/1996 11:52:49

Sample Name: S96T001077 DUP	Date: 04/20/1996 10:26
Data File : C:\DX\DATA\96042011.d28	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 28	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

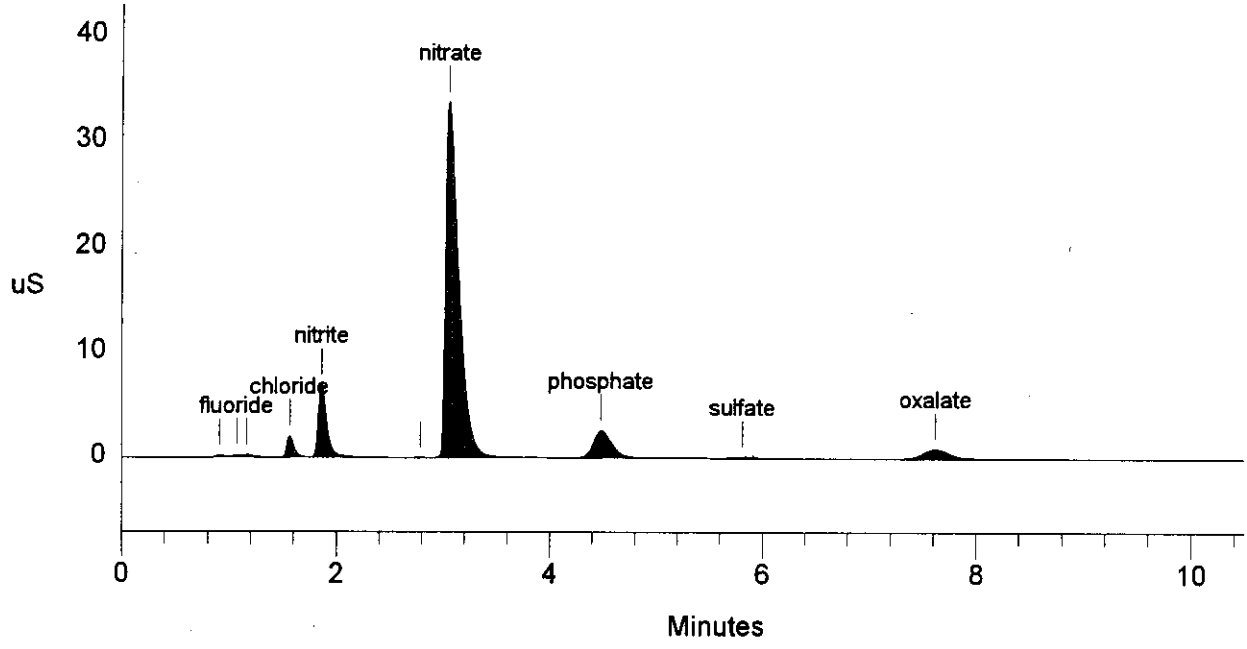
WHC-SD-WM-DP-184, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	162	832	2	
2	1.07	fluoride	2.508	206	959	2	2.22
3	1.17		0.000	267	1796	2	
4	1.57	chloride	31.462	2076	9633	1	-2.08
5	1.87	nitrite	171.740	6923	37648	1	-3.78
7	3.05	nitrate	1342.463	33670	288994	1	0.11
8	4.48	phosphate	315.597	2595	31849	1	-4.00
9	5.81	sulfate	15.777	116	1681	1	-4.39
10	7.63	oxalate	79.233	923	15335	1	-4.03
		Totals	1958.780	46939	388726		

File: 96042011.d28 Sample: S96T001077 DUP



Data Reprocessed On 04/29/1996 11:52:53

Sample Name: S96T001077 SPIKE Date: 04/20/1996 02:20:59
Data File : C:\DX\DATA\96042011.d29
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 29 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

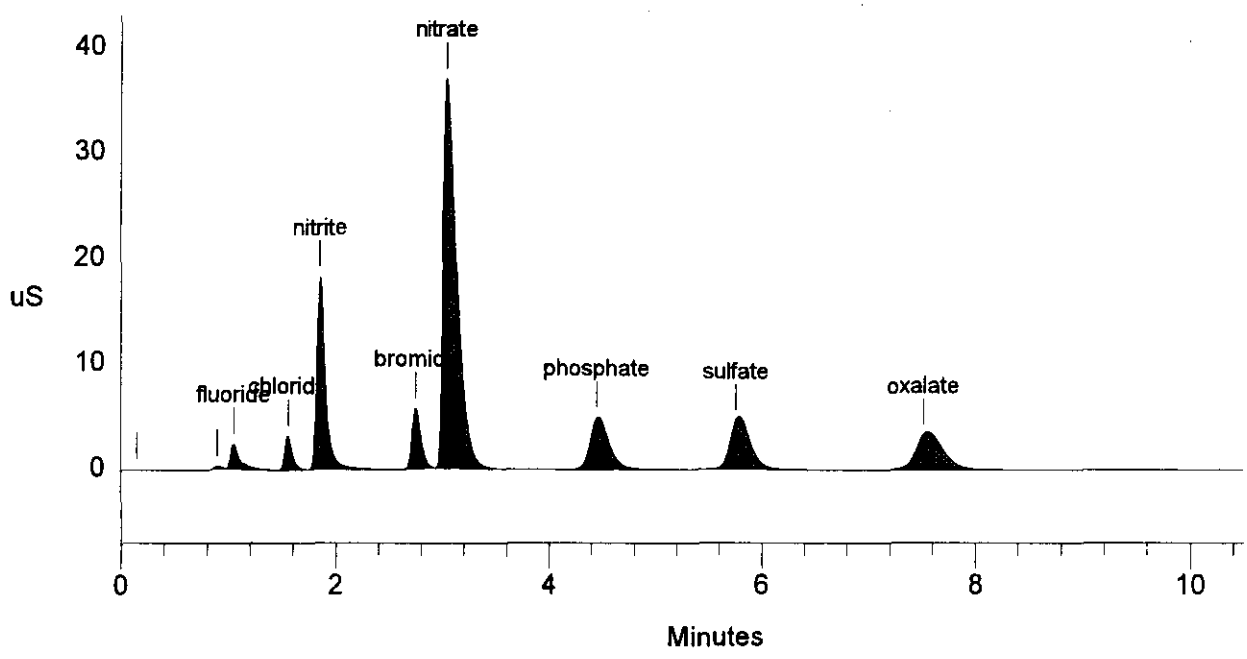
WHC-SD-WM-DP-184, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.15		0.000	23	152	1	
2	0.90		0.000	211	961	2	
3	1.05	fluoride	28.767	2308	13912	2	0.32
4	1.56	chloride	49.195	3190	15241	1	-2.50
5	1.86	nitrite	437.189	18168	100412	1	-4.12
6	2.75	bromide	221.349	5702	32467	1	-0.60
7	3.04	nitrate	1499.041	36863	326398	1	0.00
8	4.45	phosphate	581.519	4840	60706	1	-4.57
9	5.76	sulfate	254.026	4569	64454	1	-5.26
10	7.52	oxalate	304.808	3216	61082	1	-5.37
		Totals	3375.894	79090	675785		

File: 96042011.d29 Sample: S96T001077 SPIKE



Data Reprocessed On 04/29/1996 11:52:58

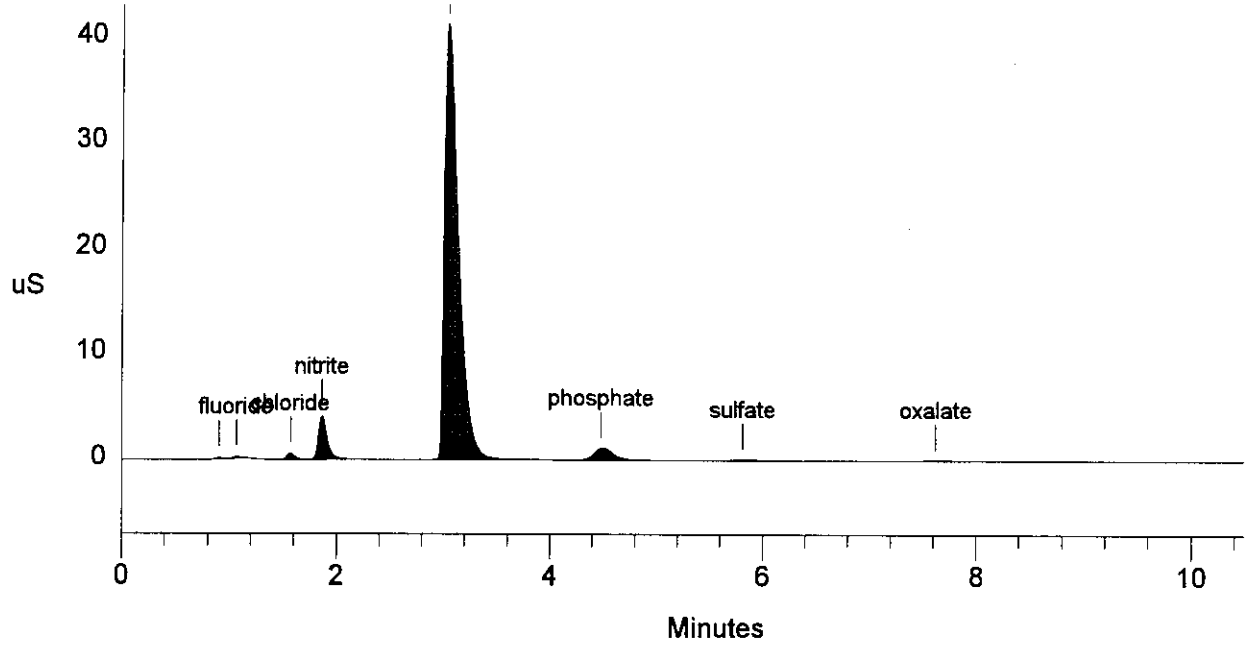
Sample Name: S96T001078 SAM Date: 04/20/1996 03:05:57
Data File : C:\DX\DATA\96042011.d31
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 31 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	67.67	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	110	480	1	
2	1.07	fluoride	3.388	196	737	1	1.59
3	1.57	chloride	16.831	625	3018	1	-1.67
4	1.87	nitrite	180.040	4084	23038	1	-3.78
5	3.04	nitrate	2764.604	41234	369482	1	0.00
6	4.48	phosphate	251.336	1117	14453	1	-4.00
7	5.81	sulfate	23.788	86	1327	1	-4.39
8	7.63	oxalate	11.015	51	788	1	-4.03
		Totals	3251.002	47503	413323		

File: 96042011.d31 Sample: S96T001078 SAM



Data Reprocessed On 04/29/1996 11:53:02

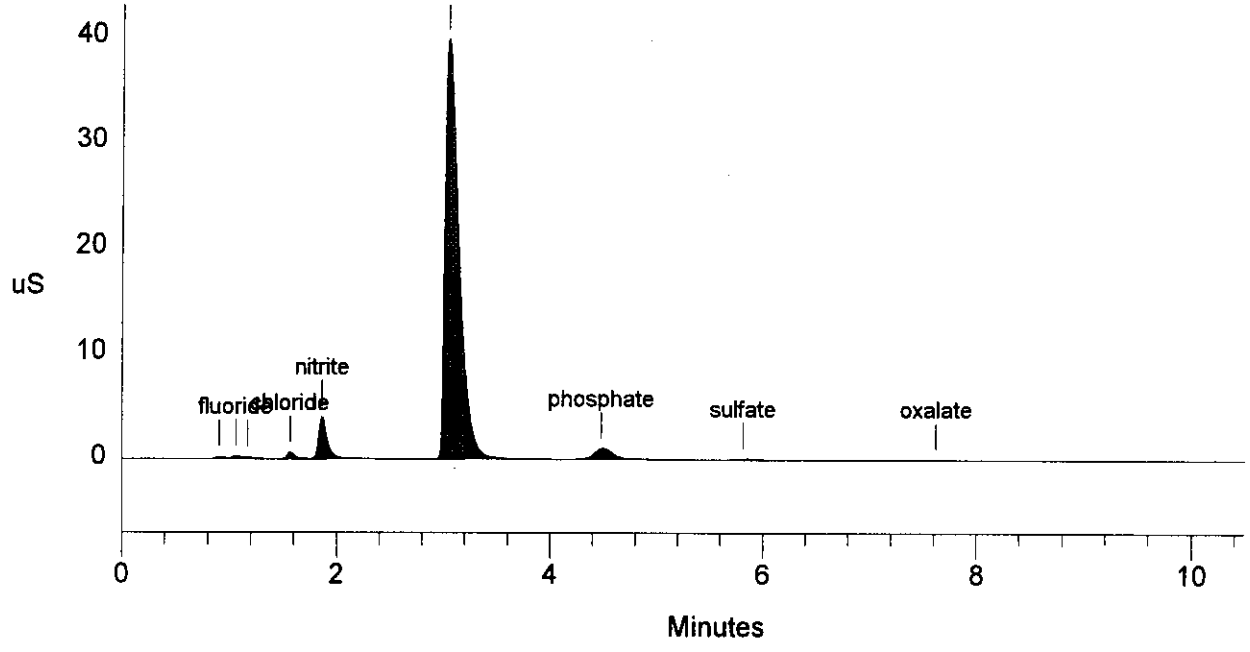
Sample Name: S96T001078 DUP
Date: 04/20/1996 03:18:40
Data File : C:\DX\DATA\96042011.d32
WHC-SD-WM-DP-184, REV.1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 32 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	67.67	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	112	540	2	
2	1.06	fluoride	4.972	241	1204	2	0.95
3	1.17		0.000	135	722	2	
4	1.57	chloride	16.528	633	2961	1	-2.08
5	1.87	nitrite	171.322	3987	21810	1	-3.78
6	3.04	nitrate	2683.926	39677	357399	1	0.00
7	4.48	phosphate	228.658	1006	13000	1	-4.00
8	5.81	sulfate	21.678	74	995	1	-4.39
9	7.63	oxalate	11.741	53	876	1	-4.03
		Totals	3138.826	45918	399508		

File: 96042011.d32 Sample: S96T001078 DUP



LABCORE Data Entry Template for Worklist# 7497

96042011.D35->37, D41->43 D01->08

Analyst: JLF **Instrument:** IC00 _____ **Book#** 133N9-E

Method: LA-533-105 **Rev/Mod** D-1

Worklist Comment: U-107 FOR @IC-01 RTS!

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T001079	0	W	@IC-01		96000126	U-107
		Analytes Requested:					, F-02 , NO2-02 , NO3-02 , SO4-02	
5	DUP	S96T001079						
6	SPK	S96T001079						
7	SAMPLE	S96T001129	0				96000126	U-107
		Analytes Request				CL-02 , F-02 , NO2-02 , NO3-02 , ATE2, PO4-02 , SO4-02		
8	DUP	S96T001129	0	W	@IC-01	SOLID		

Fix NO3

Fixed

Final page for worklist # 7497

Jessie S Ansley 4-20-96
Analyst Signature **Date**

Analyst Signature **Date**

Exported 7497ap.csv
In shell
uploaded 5/6/96 JMJ Bx too high on S96T001129

Data Entry Comments:

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 7497

Analyst: JLF **Instrument:** IC01 **Book#** 133N9E

Method: LA-533-105 Rev/Mod D7

Worklist Comment: U-107 FOR @IC-01 RTS!

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1		<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1		<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1		<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1		<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1		3.55e-01	0.355	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1		<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1		<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1		<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01		5.32e+01	90.169	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01		7.55e+01	95.570	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.76e02		5.60e+02	97.222	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02		5.57e+02	96.870	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02		6.07e+02	98.860	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02		5.17e+02	94.689	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02		6.23e+02	98.732	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.37e02		5.37e+02	100.000	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1		<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1		<1.70e-2		ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1		<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1		<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1		<1.40e-1		ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1		<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1		<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1		<1.05e-1		ug/g
4	SAMPLE	S96T001079	W	0	@IC-01	F-02	SOLID	N/A	<	1.649e+01	16.490	ug/g
4	SAMPLE	S96T001079	W	0	@IC-01	CL-02	SOLID	N/A		9.780e+02	21.560	ug/g
4	SAMPLE	S96T001079	W	0	@IC-01	NO2-02	SOLID	N/A		9.605e+03	135.700	ug/g
4	SAMPLE	S96T001079	W	0	@IC-01	BR-02	SOLID	N/A		2.303e+04	159.800	ug/g
4	SAMPLE	S96T001079	W	0	@IC-01	NO3-02	SOLID	N/A		1.420e+04	177.500	ug/g
4	SAMPLE	S96T001079	W	0	@IC-01	PO4-02	SOLID	N/A		7.786e+02	150.800	ug/g
4	SAMPLE	S96T001079	W	0	@IC-01	SO4-02	SOLID	N/A		5.918e+02	172.400	ug/g
4	SAMPLE	S96T001079	W	0	@IC-01	OXALATE2	SOLID	N/A	<	1.332e+02	133.200	ug/g
5	DUP	S96T001079	W	0	@IC-01	F-02	SOLID	<1.65e1		<1.63e1		RPD
5	DUP	S96T001079	W	0	@IC-01	CL-02	SOLID	9.78e+02		9.91e+02	1.320	RPD
5	DUP	S96T001079	W	0	@IC-01	NO2-02	SOLID	9.60e+03		9.53e+03	0.732	RPD
5	DUP	S96T001079	W	0	@IC-01	BR-02	SOLID	2.30e+04		2.32e+04	0.866	RPD
5	DUP	S96T001079	W	0	@IC-01	NO3-02	SOLID	1.42e+04		1.50e+04	5.479	RPD
5	DUP	S96T001079	W	0	@IC-01	PO4-02	SOLID	7.79e+02		8.32e+02	6.580	RPD
5	DUP	S96T001079	W	0	@IC-01	SO4-02	SOLID	5.92e+02		5.50e+02	7.356	RPD
5	DUP	S96T001079	W	0	@IC-01	OXALATE2	SOLID	<1.33e2		<1.32e2		RPD
6	SPK	S96T001079	W	0	@IC-01	F-02	SOLID	5.90e01		3.83e+01	64.915	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 7497

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
6	SPK	S96T001079	0	W	@IC-01	CL-02	SOLID	7.90e01	8.11e+01	102.658	% Recovery
6	SPK	S96T001079	0	W	@IC-01	NO2-02	SOLID	5.76e02	6.18e+02	107.292	% Recovery
6	SPK	S96T001079	0	W	@IC-01	BR-02	SOLID	5.75e02	6.18e+02	107.478	% Recovery
6	SPK	S96T001079	0	W	@IC-01	NO3-02	SOLID	6.14e02	5.95e+02	96.906	% Recovery
6	SPK	S96T001079	0	W	@IC-01	PO4-02	SOLID	5.46e02	4.94e+02	90.476	% Recovery
6	SPK	S96T001079	0	W	@IC-01	SO4-02	SOLID	6.31e02	5.96e+02	94.453	% Recovery
6	SPK	S96T001079	0	W	@IC-01	OXALATE2	SOLID	5.37e02	5.41e+02	100.745	% Recovery
7	SAMPLE	S96T001129	0	W	@IC-01	F-02	SOLID	N/A <	2.716e+02	271.600	ug/g
7	SAMPLE	S96T001129	0	W	@IC-01	CL-02	SOLID	N/A	3.243e+03	355.100	ug/g
7	SAMPLE	S96T001129	0	W	@IC-01	NO2-02	SOLID	N/A	2.829e+04	2235.000	ug/g
7	REJECT	S96T001129	0	W	@IC-01	BR-02	SOLID	N/A <	2.632e+03		ug/g
7	SAMPLE	S96T001129	0	W	@IC-01	NO3-02	SOLID	N/A	5.822e+05	2922.000	ug/g
7	SAMPLE	S96T001129	0	W	@IC-01	PO4-02	SOLID	N/A	2.375e+04	2484.000	ug/g
7	SAMPLE	S96T001129	0	W	@IC-01	SO4-02	SOLID	N/A	7.409e+03	2839.000	ug/g
7	SAMPLE	S96T001129	0	W	@IC-01	OXALATE2	SOLID	N/A	5.116e+03	2194.000	ug/g
8	DUP	S96T001129	0	W	@IC-01	F-02	SOLID	<2.72e2	5.58e+02		RPD
8	DUP	S96T001129	0	W	@IC-01	CL-02	SOLID	3.24e+03	4.48e+03	32.124	RPD
8	DUP	S96T001129	0	W	@IC-01	NO2-02	SOLID	2.83e+04	3.56e+04	22.848	RPD
8	DUP	S96T001129	0	W	@IC-01	BR-02	SOLID	<2.63e3	<2.66e3		RPD
8	DUP	S96T001129	0	W	@IC-01	NO3-02	SOLID	5.82e+05	4.87e+05	17.774	RPD
8	DUP	S96T001129	0	W	@IC-01	PO4-02	SOLID	2.38e+04	3.02e+04	23.704	RPD
8	DUP	S96T001129	0	W	@IC-01	SO4-02	SOLID	7.41e+03	9.26e+03	22.196	RPD
8	DUP	S96T001129	0	W	@IC-01	OXALATE2	SOLID	5.12e+03	5.99e+03	15.662	RPD

Comments Section:

Comments for sample# S96T001129 **and test** @IC-01 .

Br < above project limit will ask pc if rerun needed. JMF
Br < above project limit will ask pc if rerun needed. JMF

Final page for worklist# 7497

Analyst Signature **Date**

Analyst Signature **Date**

Jann M. Frye 5/6/96
Reviewer Signature **Date**

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 06-May-96

Worklist#: 7497

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	BLNK-PREP	
=>	4	SAMPLE	S96T001079
=>	5	DUP	S96T001079
=>	6	SPK	S96T001079
=>	7	SAMPLE	S96T001129
=>	8	DUP	S96T001129

Data File: 7497AP.CSV

Seq#	Data File	Sample Name	Dilution
1	96042011.d35	BLANK	1.00
2	96042011.d36	133N9-E	101.00
3	96042011.d37	PREP BLANK	1.00
4	96042011.d41	S96T001079 SAM	6.00
5	96042011.d42	S96T001079 DUP	6.00
6	96042011.d43	S96T001079 SPIKE	6.00
	96042011.d01	INST. BLANK	1.00
	96042011.d02	STD 133N9-D	101.00
	96042011.d04	INST. BLANK	6.00
7	96042011.d07	S96T001129 SAMPL	101.00
8	96042011.d08	S96T001129 DUP.	101.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 04/29/1996 11:46:48

Sample Name: BLANK	Date: 04/20/1996 03:54:20
Data File : C:\DX\DATA\96042011.d35	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 35	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

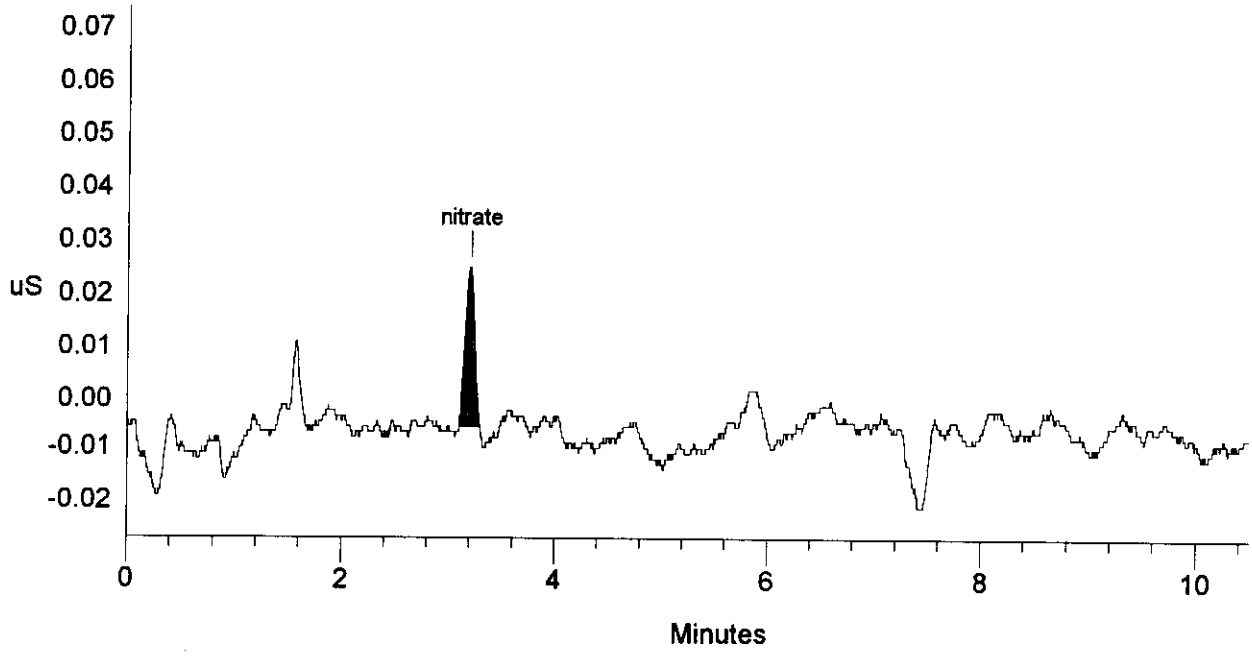
H Anastor for JL Frisby 5.21.96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	3.21	nitrate	0.355	30	185	1	-4.85
		Totals	0.355	30	185		

File: 96042011.d35 Sample: BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 342 TO 349.

Data Reprocessed On 04/29/1996 11:46:53

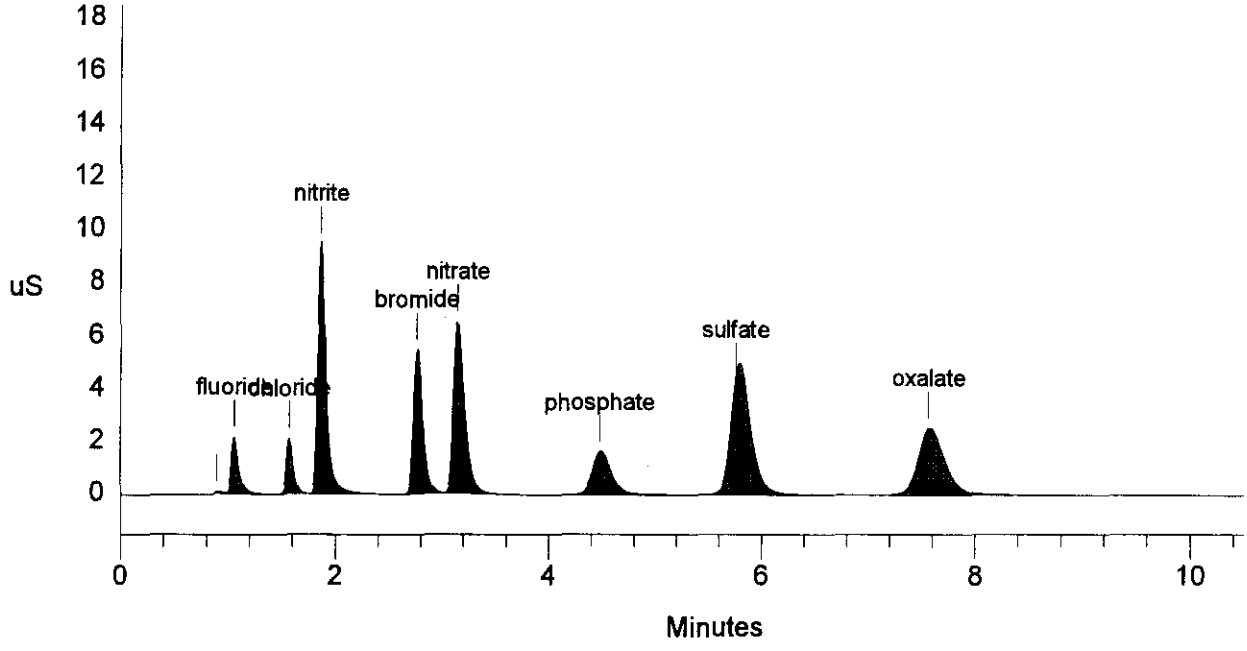
Sample Name: 133N9-E	Date: 04/20/1996 04:06:08
Data File : C:\DX\DATA\96042011.d36	
Method : C:\DX\METHOD\KIT.MET	WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 36	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	72	306	2	
2	1.06	fluoride	53.249	2141	10344	2	0.95
3	1.57	chloride	75.493	2100	9377	1	-1.67
4	1.87	nitrite	560.405	9436	50711	1	-3.78
5	2.77	bromide	557.170	5458	33220	1	-0.12
6	3.15	nitrate	606.777	6484	47458	1	-6.63
7	4.48	phosphate	517.134	1617	20566	1	-4.00
8	5.76	sulfate	623.042	4362	64158	1	-5.26
9	7.57	oxalate	537.006	2527	43380	1	-4.70
		Totals	3530.277	34199	279520		

File: 96042011.d36 Sample: 133N9-E



Data Reprocessed On 04/29/1996 11:46:56

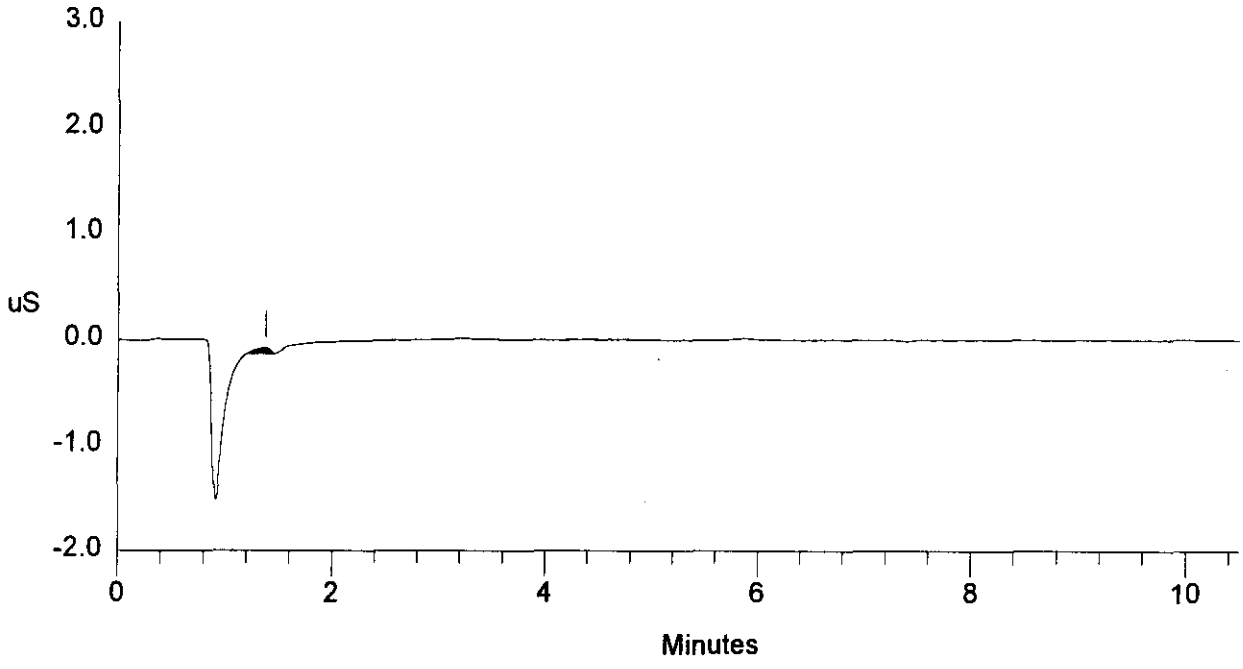
Sample Name: PREP BLANK	Date: 04/20/1996 04:17:56
Data File : C:\DX\DATA\96042011.d37	
Method : C:\DX\METHOD\KIT.MET	WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 37	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.37		0.000	55	494	1	
		Totals	0.000	55	494		

File: 96042011.d37 Sample: PREP BLANK



Data Reprocessed On 04/29/1996 11:47:00

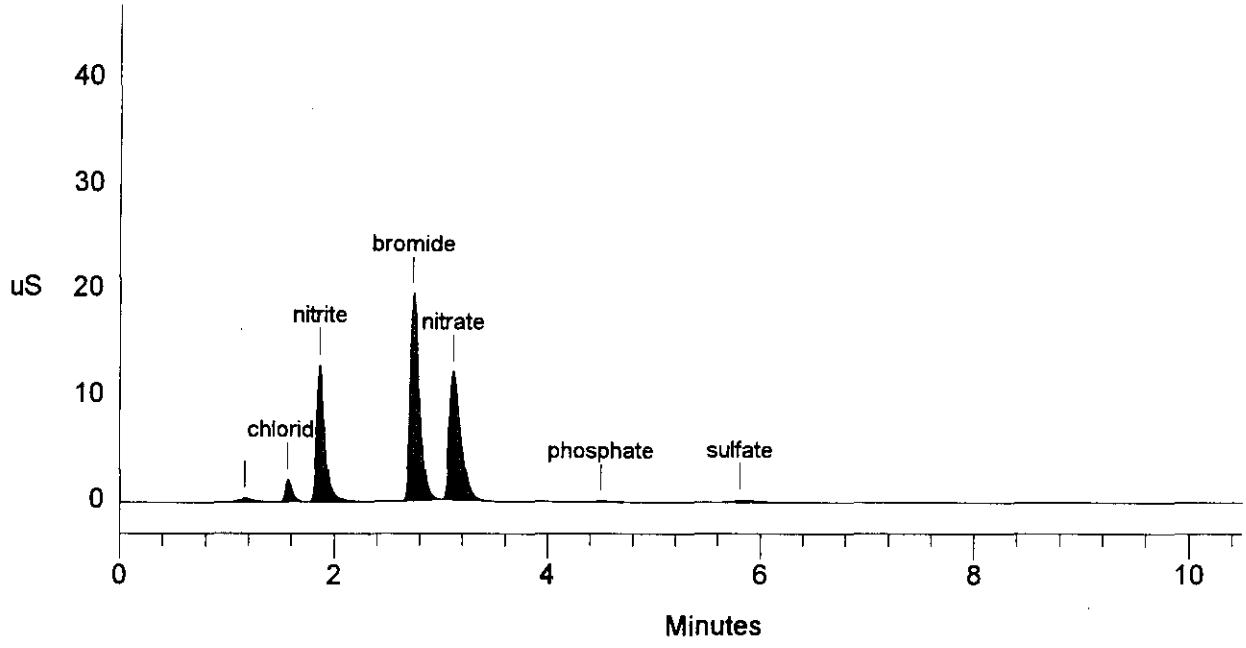
Sample Name: S96TOO1079 SAM Date: 04/20/1996 05:06:57
Data File : C:\DX\DATA\96042011.d41 WHC-SD-WM-DP-184, REV. (
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 41 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	6	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.17		0.000	409	3135	1	
2	1.57	chloride	4.626	2103	9680	1	-2.08
3	1.87	nitrite	45.430	12963	70263	1	-3.78
4	2.74	bromide	108.923	19598	117923	1	-1.08
5	3.11	nitrate	67.177	12121	91897	1	0.11
6	4.51	phosphate	3.683	90	1077	1	-3.43
7	5.81	sulfate	2.799	174	2550	1	-4.39
		Totals	232.638	47458	296526		

File: 96042011.d41 Sample: S96TOO1079 SAM



Data Reprocessed On 04/29/1996 11:47:04

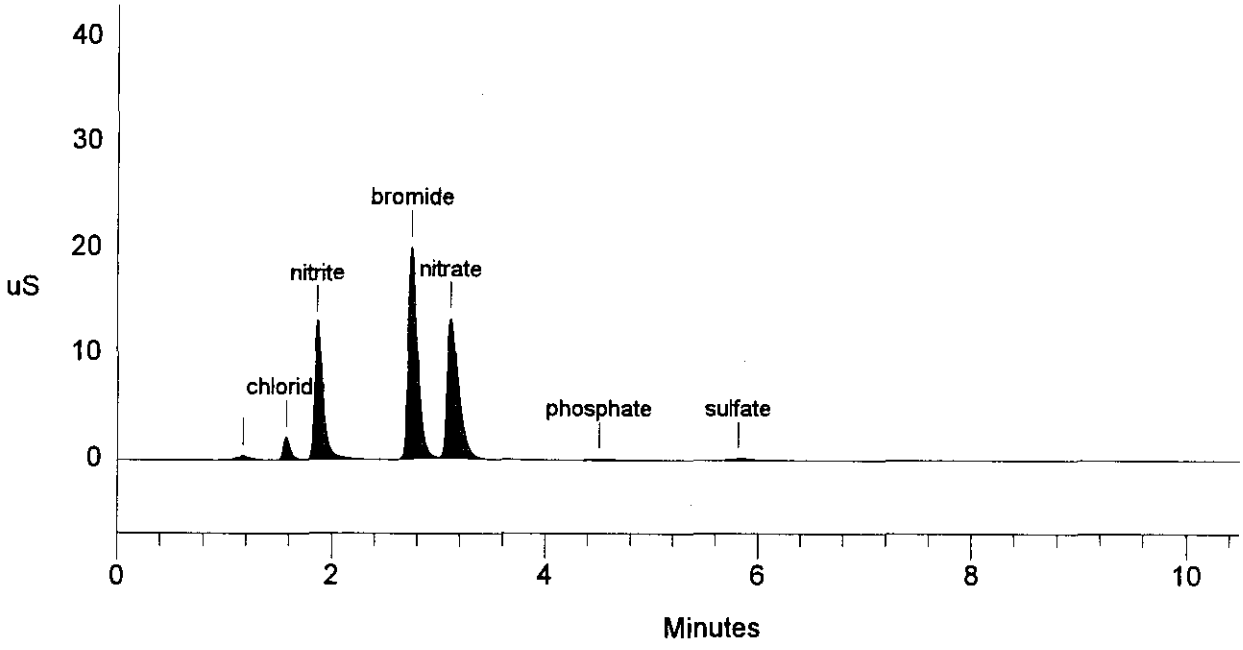
Sample Name: S96TOO1079 DUP Date: 04/20/1996 05:18:37
Data File : C:\DX\DATA\96042011.d42
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 42 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	6	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.17		0.000	437	3517	1	
2	1.57	chloride	4.732	2171	9907	1	-1.67
3	1.87	nitrite	45.489	12959	70359	1	-3.78
4	2.75	bromide	110.956	20050	120311	1	-0.84
5	3.11	nitrate	71.509	13190	98165	1	0.11
6	4.51	phosphate	3.972	106	1284	1	-3.43
7	5.81	sulfate	2.623	149	2238	1	-4.39
		Totals	239.282	49062	305780		

File: 96042011.d42 Sample: S96TOO1079 DUP



Data Reprocessed On 04/29/1996 11:47:09

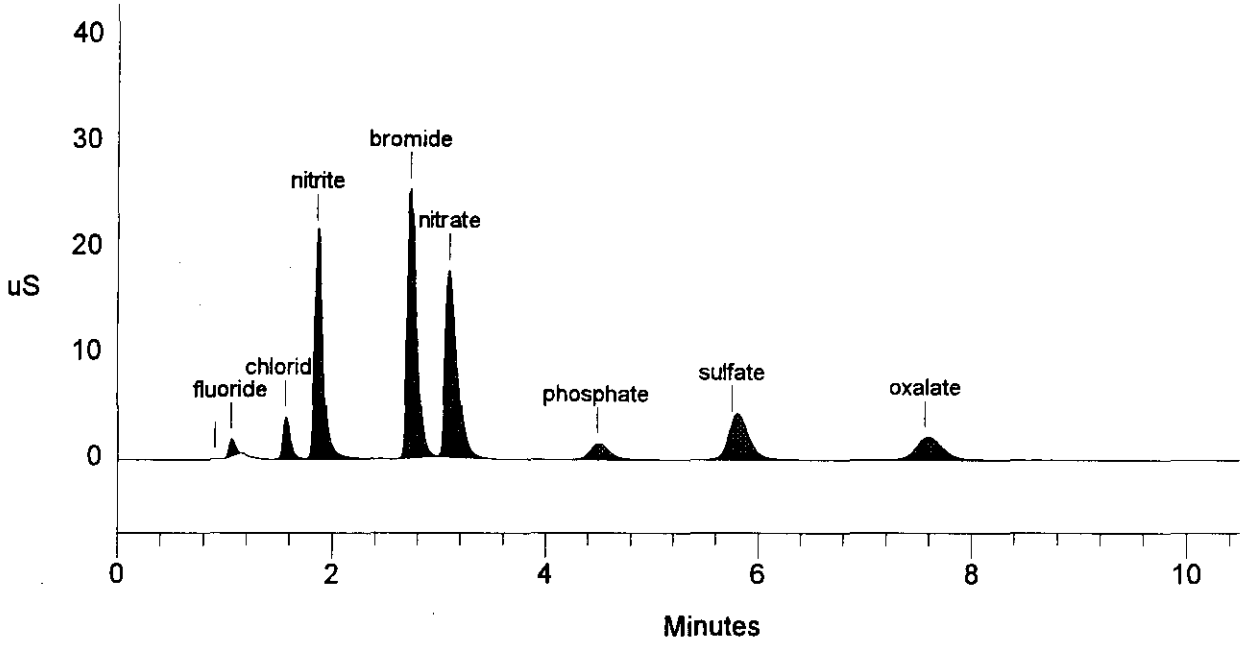
Sample Name: S96TOO1079 SPIKE Date: 04/20/1996 05:30:41
Data File : C:\DX\DATA\96042011.d43
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 43 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	6	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	36	136	1	
2	1.06	fluoride	1.913	1606	6122	1	0.95
3	1.57	chloride	8.681	3977	18483	1	-2.08
4	1.87	nitrite	76.324	21609	120664	1	-3.78
5	2.73	bromide	139.821	25475	154957	1	-1.32
6	3.09	nitrate	96.945	17661	135399	1	0.11
7	4.48	phosphate	28.397	1443	18879	1	-4.00
8	5.76	sulfate	32.580	3554	56070	1	-5.26
9	7.57	oxalate	27.072	2103	36683	1	-4.70
		Totals	411.734	77463	547393		

File: 96042011.d43 Sample: S96TOO1079 SPIKE



Data Reprocessed On 04/29/1996 11:47:25

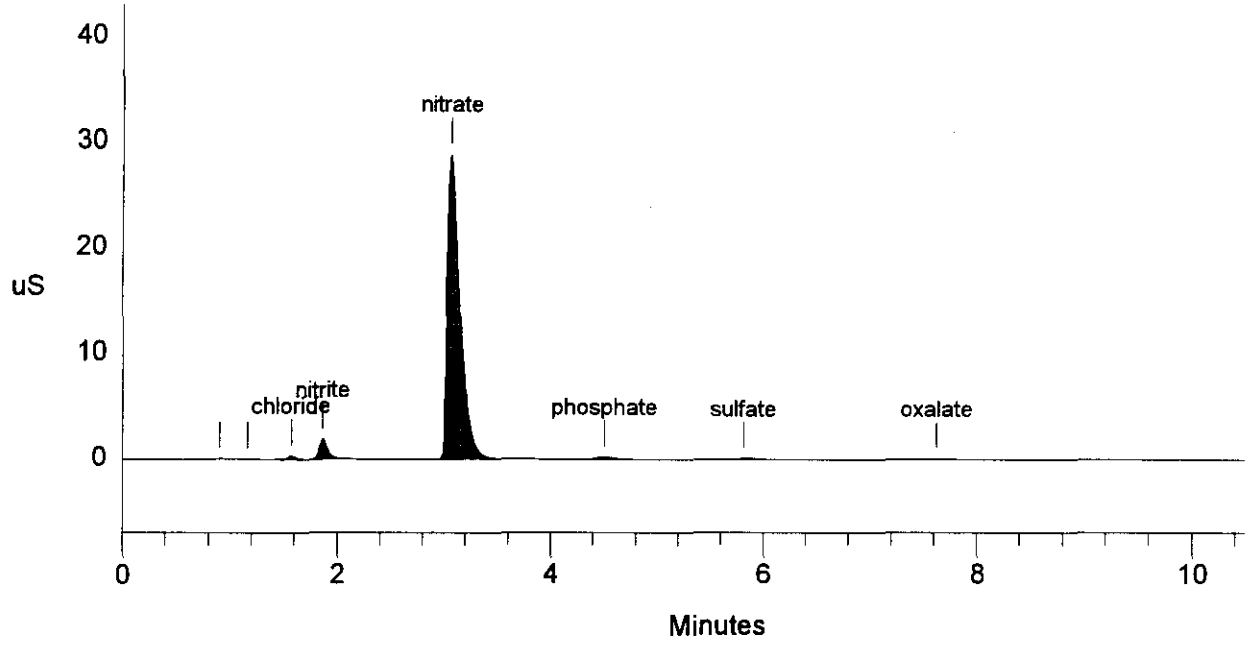
Sample Name: S96T001129 SAMPLE Date: 04/20/1996 09:06:27
Data File : C:\DX\DATA\96042011.d07
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 7 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	77	395	2	
2	1.17		0.000	40	272	2	
3	1.57	chloride	15.680	370	1838	1	-1.67
4	1.87	nitrite	136.799	1903	10613	1	-3.78
5	3.07	nitrate	2815.113	28859	242468	1	-0.11
6	4.51	phosphate	114.817	251	3324	1	-3.43
7	5.81	sulfate	35.822	96	1360	1	-4.39
8	7.63	oxalate	24.736	86	1461	1	-4.03
		Totals	3142.967	31682	261731		

File: 96042011.d07 Sample: S96T001129 SAMPLE



Data Reprocessed On 04/29/1996 11:47:29

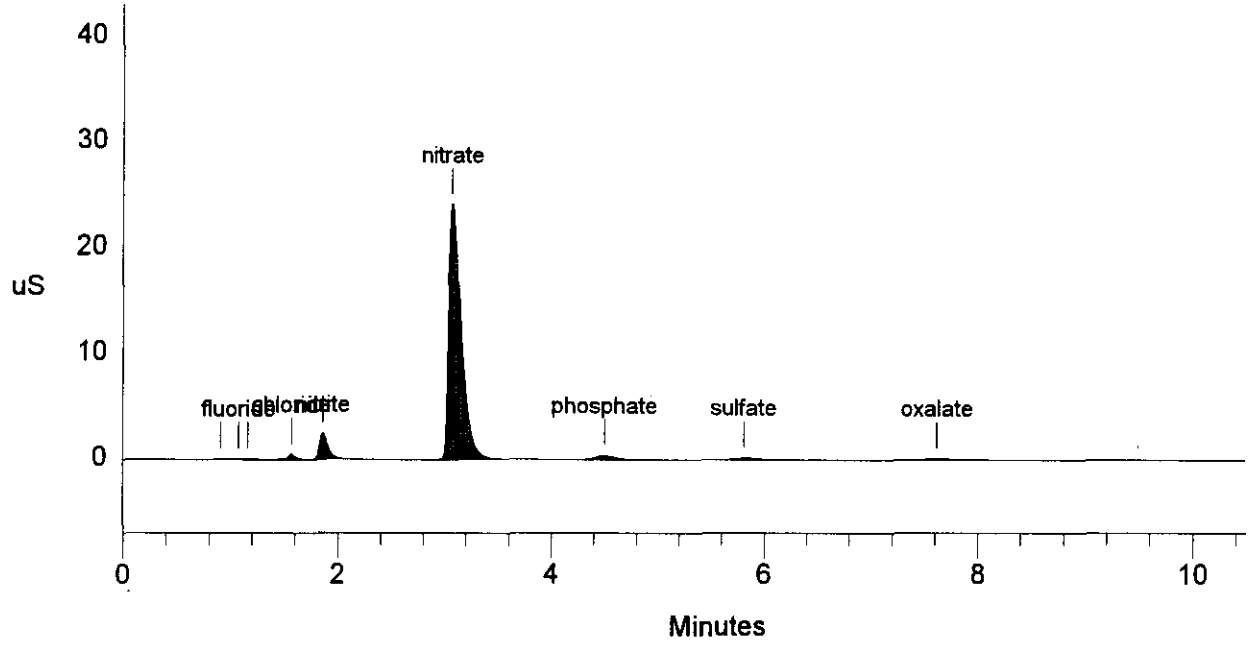
Sample Name: S96T001129 DUP.	Date: 04/20/1996 09:17:47
Data File : C:\DX\DATA\96042011.d08	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 8	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	74	375	2	
2	1.08	fluoride	2.672	55	268	2	2.86
3	1.17		0.000	66	354	2	
4	1.57	chloride	21.450	515	2559	1	-1.67
5	1.87	nitrite	170.605	2480	13792	1	-3.78
6	3.07	nitrate	2332.760	24016	198037	1	0.11
7	4.51	phosphate	144.499	367	4588	1	-3.43
8	5.81	sulfate	44.300	160	2253	1	-4.39
9	7.63	oxalate	28.681	113	1782	1	-4.03
		Totals	2744.968	27846	224006		

File: 96042011.d08 Sample: S96T001129 DUP.



LABCORE Completed Worklist Report for Worklist# 7498

Analyst: jlf **Instrument:** IC01 **Book#** 133N9-D

Method: LA533105 Rev/Mod D-Ø NEA 6-10-96

Worklist Comment: U-107 FOR @IC-01 RTS!

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1		<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1		<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1		<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1		<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1		3.61e-01	0.361	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1		<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1		<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1		<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01		5.80e+01	98.305	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01		7.49e+01	94.810	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.40e02		5.33e+02	98.704	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02		5.57e+02	96.870	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02		6.02e+02	98.046	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02		5.10e+02	93.407	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02		6.12e+02	96.989	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.03e02		5.11e+02	101.590	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1		<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1		<1.70e-2		ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1		<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1		<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1		<1.40e-1		ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1		<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1		<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1		<1.05e-1		ug/g
4	SAMPLE	S96T001144	W	0	@IC-01	F-02	SOLID	N/A	<	2.356e+02	235.500	ug/g
4	SAMPLE	S96T001144	W	0	@IC-01	CL-02	SOLID	N/A		2.352e+03	308.000	ug/g
4	SAMPLE	S96T001144	W	0	@IC-01	NO2-02	SOLID	N/A		1.686e+04	1939.000	ug/g
4	SAMPLE	S96T001144	W	0	@IC-01	BR-02	SOLID	N/A	<	2.283e+03	2283.000	ug/g
4	SAMPLE	S96T001144	W	0	@IC-01	NO3-02	SOLID	N/A		6.713e+05	2535.000	ug/g
4	SAMPLE	S96T001144	W	0	@IC-01	PO4-02	SOLID	N/A	<	2.154e+03	2154.000	ug/g
4	SAMPLE	S96T001144	W	0	@IC-01	SO4-02	SOLID	N/A		5.914e+03	2462.000	ug/g
4	SAMPLE	S96T001144	W	0	@IC-01	OXALATE2	SOLID	N/A		2.444e+03	1903.000	ug/g
5	DUP	S96T001144	W	0	@IC-01	F-02	SOLID	<2.36e2		<2.31e2		RPD
5	DUP	S96T001144	W	0	@IC-01	CL-02	SOLID	2.35e+03		1.54e+03	41.645	RPD
5	DUP	S96T001144	W	0	@IC-01	NO2-02	SOLID	1.69e+04		1.80e+04	6.304	RPD
5	DUP	S96T001144	W	0	@IC-01	BR-02	SOLID	<2.28e3		<2.24e3		RPD
5	DUP	S96T001144	W	0	@IC-01	NO3-02	SOLID	6.71e+05		6.72e+05	0.149	RPD
5	DUP	S96T001144	W	0	@IC-01	PO4-02	SOLID	<2.15e3		7.57e+03		RPD
5	DUP	S96T001144	W	0	@IC-01	SO4-02	SOLID	5.91e+03		5.72e+03	3.267	RPD
5	DUP	S96T001144	W	0	@IC-01	OXALATE2	SOLID	2.44e+03		2.52e+03	3.226	RPD
6	SPK	S96T001144	W	0	@IC-01	F-02	SOLID	5.90e01		5.67e+01	96.102	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 7498

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
6	SPK	S96T001144	0	W	@IC-01	CL-02	SOLID	7.90e01	6.87e+01	86.962	% Recovery
6	SPK	S96T001144	0	W	@IC-01	NO2-02	SOLID	5.40e02	5.17e+02	95.741	% Recovery
6	SPK	S96T001144	0	W	@IC-01	BR-02	SOLID	5.75e02	5.38e+02	93.565	% Recovery
6	SPK	S96T001144	0	W	@IC-01	NO3-02	SOLID	6.14e02	3.96e+02	64.495	% Recovery
6	SPK	S96T001144	0	W	@IC-01	PO4-02	SOLID	5.46e02	5.01e+02	91.758	% Recovery
6	SPK	S96T001144	0	W	@IC-01	SO4-02	SOLID	6.31e02	5.74e+02	90.967	% Recovery
6	SPK	S96T001144	0	W	@IC-01	OXALATE2	SOLID	5.03e02	4.91e+02	97.614	% Recovery
7	SAMPLE	S96T001160	0	W	@IC-01	F-02	SOLID	N/A	5.006e+02	235.500	ug/g
7	SAMPLE	S96T001160	0	W	@IC-01	CL-02	SOLID	N/A	3.062e+03	307.900	ug/g
7	SAMPLE	S96T001160	0	W	@IC-01	NO2-02	SOLID	N/A	3.317e+04	1938.000	ug/g
7	SAMPLE	S96T001160	0	W	@IC-01	BR-02	SOLID	N/A <	2.283e+03	2283.000	ug/g
7	SAMPLE	S96T001160	0	W	@IC-01	NO3-02	SOLID	N/A	5.529e+05	2534.000	ug/g
7	SAMPLE	S96T001160	0	W	@IC-01	PO4-02	SOLID	N/A	1.018e+04	2154.000	ug/g
7	SAMPLE	S96T001160	0	W	@IC-01	SO4-02	SOLID	N/A	6.524e+03	2462.000	ug/g
7	SAMPLE	S96T001160	0	W	@IC-01	OXALATE2	SOLID	N/A	2.869e+03	1902.000	ug/g
8	DUP	S96T001160	0	W	@IC-01	F-02	SOLID	5.01e+02	<2.49e2		RPD
8	DUP	S96T001160	0	W	@IC-01	CL-02	SOLID	3.06e+03	2.71e+03	12.132	RPD
8	DUP	S96T001160	0	W	@IC-01	NO2-02	SOLID	3.32e+04	3.13e+04	5.891	RPD
8	DUP	S96T001160	0	W	@IC-01	BR-02	SOLID	<2.28e3	<2.42e3		RPD
8	DUP	S96T001160	0	W	@IC-01	NO3-02	SOLID	5.53e+05	5.02e+05	9.668	RPD
8	DUP	S96T001160	0	W	@IC-01	PO4-02	SOLID	1.02e+04	9.98e+03	2.180	RPD
8	DUP	S96T001160	0	W	@IC-01	SO4-02	SOLID	6.52e+03	6.54e+03	0.306	RPD
8	DUP	S96T001160	0	W	@IC-01	OXALATE2	SOLID	2.87e+03	3.55e+03	21.184	RPD

Final page for worklist# 7498

H Anastas for JL Fisky 6-10-96
Analyst Signature Date

Analyst Signature Date

H Anastas 6-10-96
Reviewer Signature Date

Units shown for QC (BLK/BKG) may not reflect the actual units.

Data Reprocessed On 04/25/1996 15:20:35

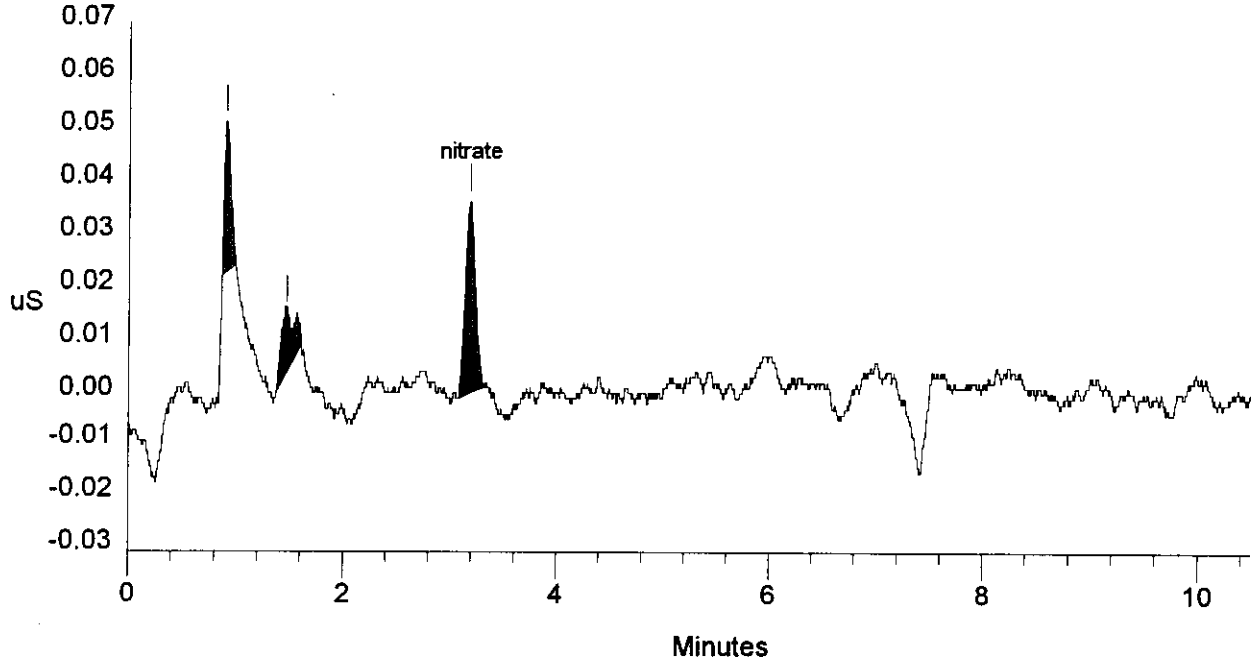
Sample Name: BLANK
Date: 04/16/1996 19:45:02
Data File : C:\DX\DATA\96041611.d01
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 1 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	28	120	1	
3	3.19	nitrate	0.361	36	233	1	-5.44
		Totals	0.361	64	353		

File: 96041611.d01 Sample: BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 352 TO 364.

Data Reprocessed On 04/25/1996 15:20:38

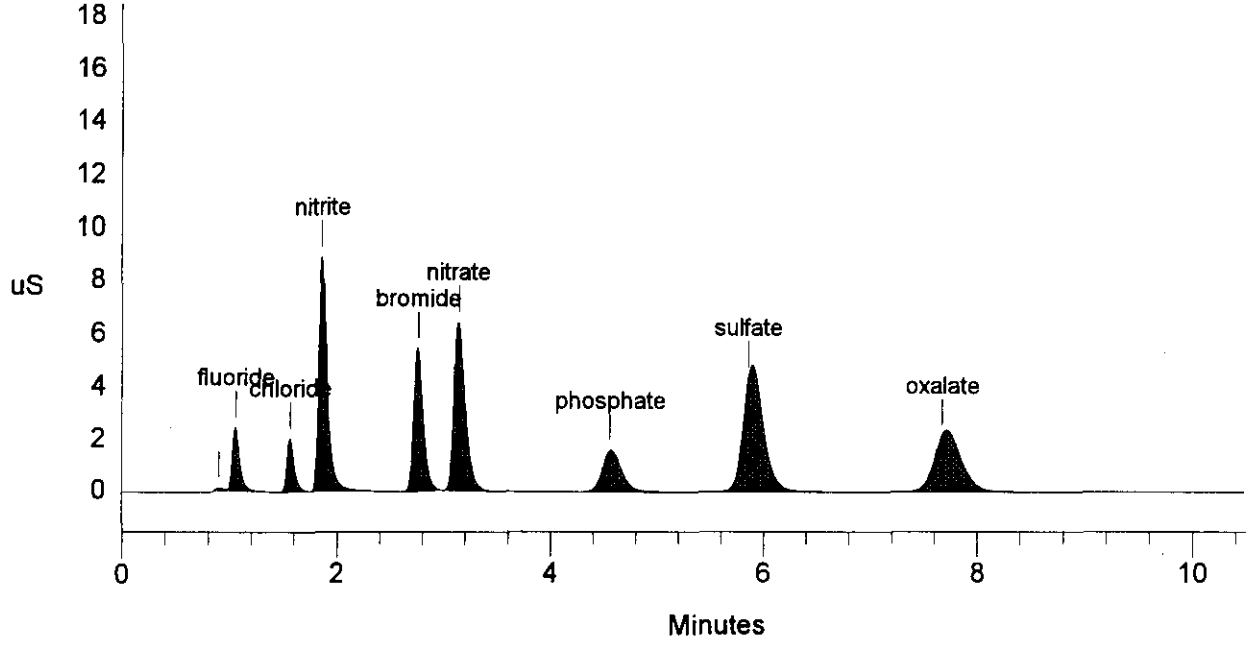
Sample Name: 133N9-D STD	Date: 04/16/1996 20:00:04
Data File : C:\DX\DATA\96041621.d02	WHC-SD-WM-DP-184, REV.
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 2	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	101	441	2	
2	1.06	fluoride	57.989	2445	11301	2	0.95
3	1.57	chloride	74.881	2038	9299	1	-2.08
4	1.87	nitrite	532.614	8885	48063	1	-3.78
5	2.76	bromide	556.611	5430	33185	1	-0.36
6	3.14	nitrate	602.285	6392	47082	1	-6.82
7	4.56	phosphate	509.806	1590	20249	1	-2.29
8	5.87	sulfate	611.672	4331	62923	1	-3.51
9	7.68	oxalate	510.611	2160	41204	1	-3.36
		Totals	3456.468	33371	273746		

File: 96041621.d02 Sample: 133N9-D STD



Data Reprocessed On 04/25/1996 15:20:41

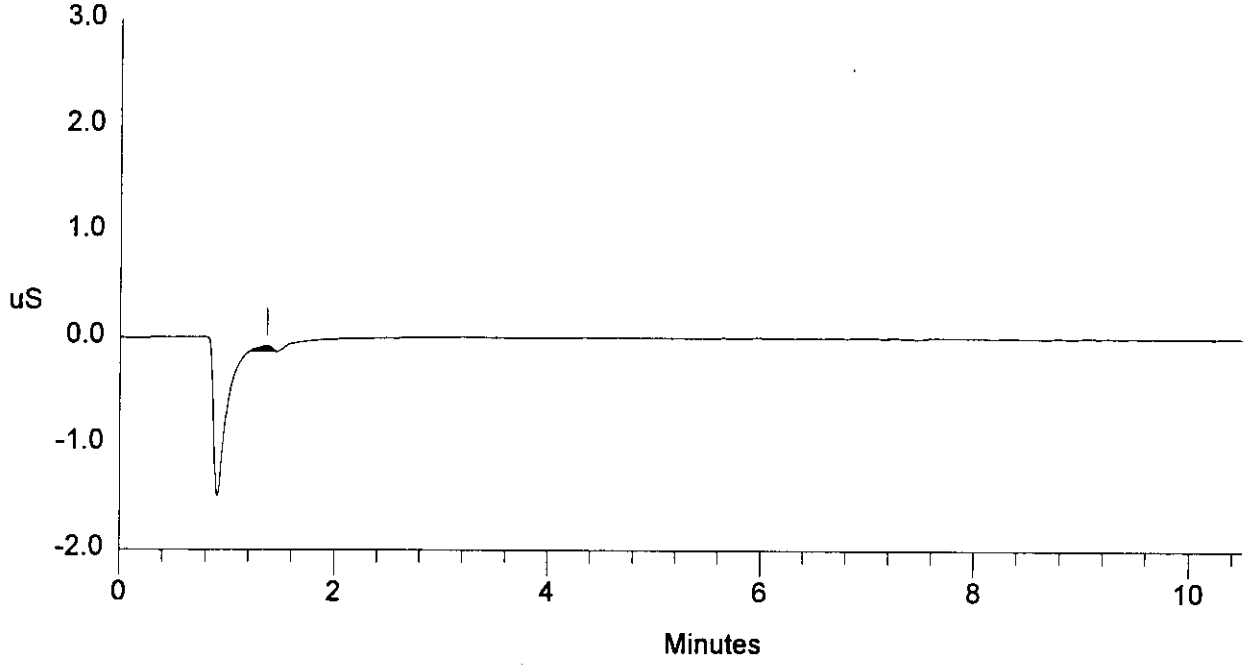
Sample Name: BLANK PREP	Date: 04/16/1996 20:16:36
Data File : C:\DX\DATA\96041621.d03	WHC-SD-WM-DP-184, REV.
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 3	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.37		0.000	53	476	1	
		Totals	0.000	53	476		

File: 96041621.d03 Sample: BLANK PREP



Data Reprocessed On 04/25/1996 15:20:44

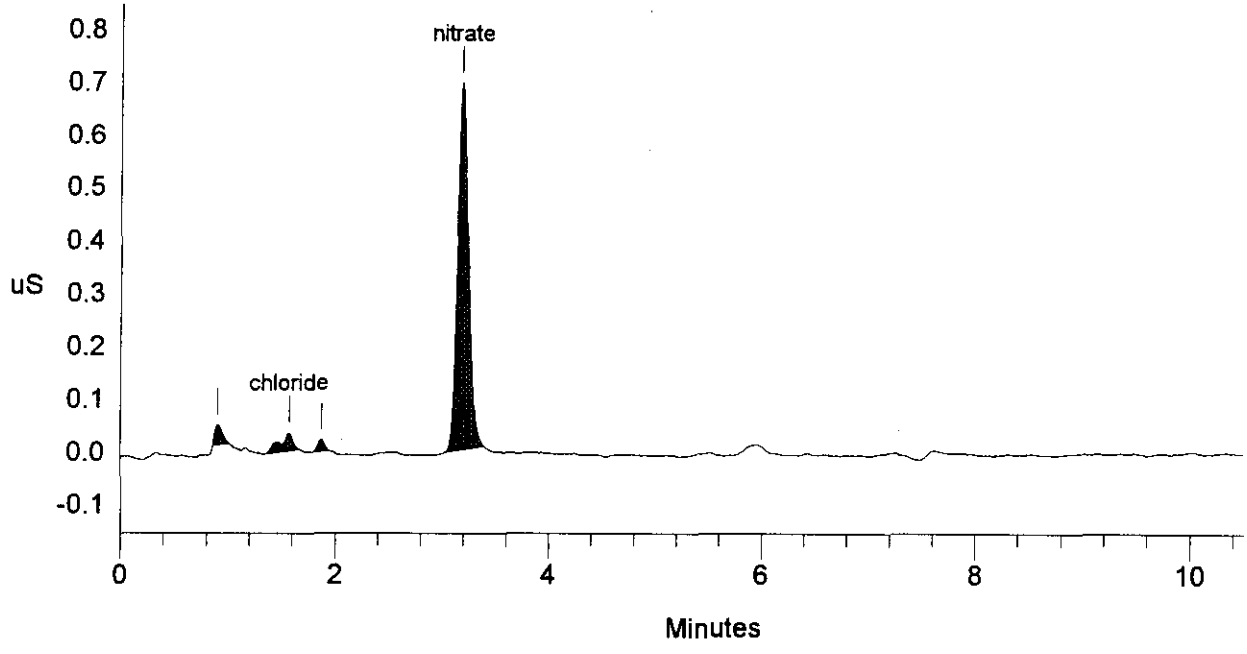
Sample Name: S96T001144 SAM	Date: 04/16/1996 20:32:35
Data File : C:\DX\DATA\96041621.d04	WHC-SD-WM-DP-184, REV.
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 4	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	5151	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	38	188	1	
2	1.57	chloride	165.534	34	289	1	-1.67
4	3.18	nitrate	4741.038	693	4864	1	-5.64
		Totals	4906.572	765	5341		

File: 96041621.d04 Sample: S96T001144 SAM



Data Reprocessed On 04/25/1996 15:20:46

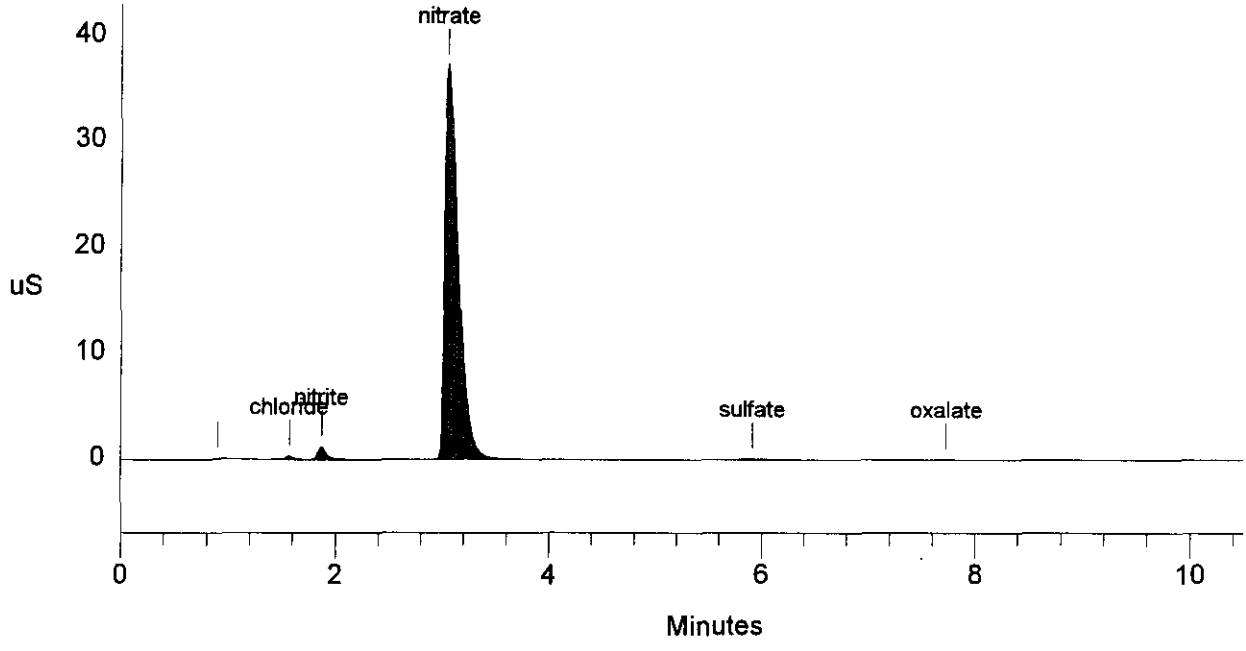
Sample Name: S96T001144 SAM	Date: 04/16/1996 21:55:48
Data File : C:\DX\DATA\96041621.d05	WHC-SD-WM-DP-184, REV. I
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 5	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	151	952	1	
2	1.57	chloride	13.108	319	1517	1	-1.67
3	1.87	nitrite	93.957	1225	6589	1	-3.44
4	3.05	nitrate	3741.817	37136	331217	1	0.11
5	5.92	sulfate	32.964	70	1059	1	-2.63
6	7.73	oxalate	13.622	26	559	1	-2.68
		Totals	3895.467	38926	341894		

File: 96041621.d05 Sample: S96T001144 SAM



Data Reprocessed On 04/25/1996 15:20:49

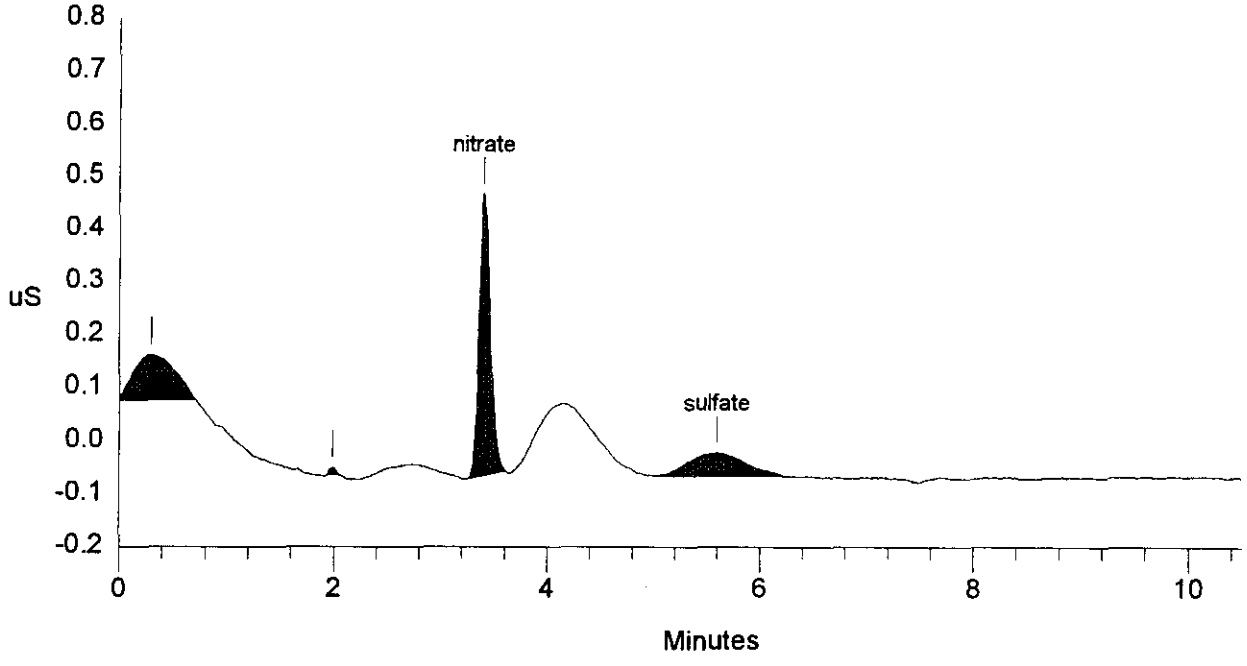
Sample Name: S96T001144 DUP	Date: 04/16/1996 22:17:44
Data File : C:\DX\DATA\96041621.d06	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 6	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.30		0.000	85	2244	1	
3	3.40	nitrate	80.900	532	3875	1	0.89
4	5.60	sulfate	37.953	43	1585	1	-7.89
		Totals	118.852	660	7704		

File: 96041621.d06 Sample: S96T001144 DUP



Data Reprocessed On 04/25/1996 15:20:52

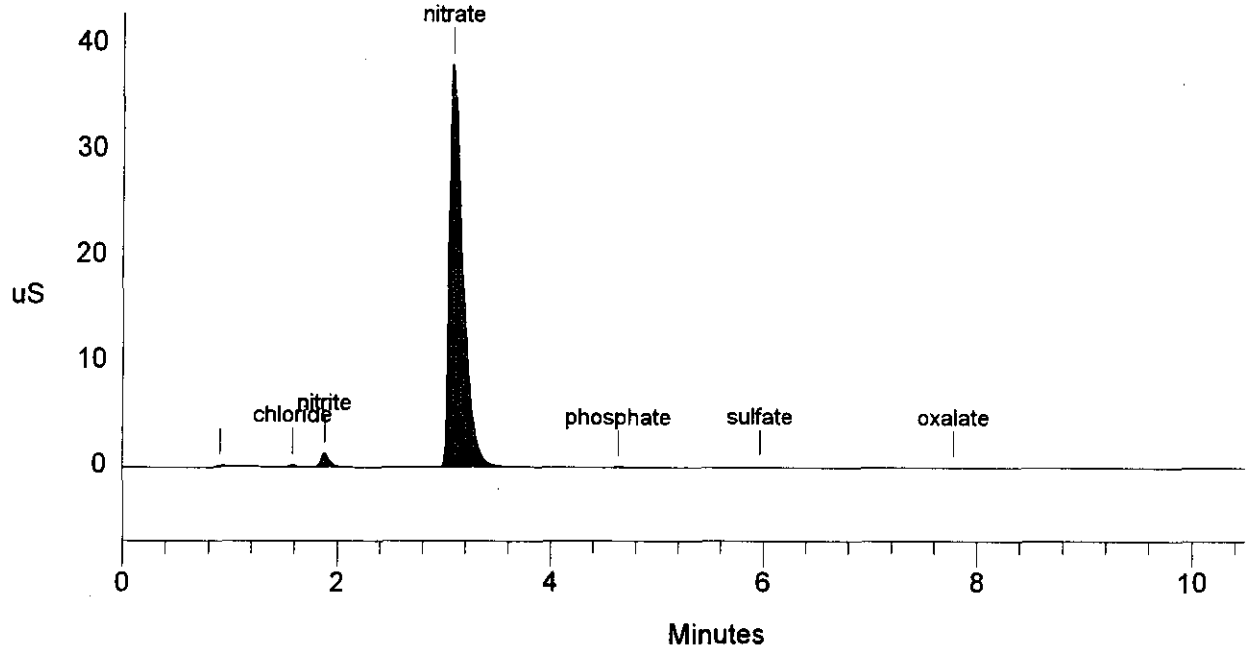
Sample Name: S96T001144 DUP	Date: 04/16/1996 22:29:12
Data File : C:\DX\DATA\96041621.d07	WHC-SD-WM-DP-184, REV.
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 7	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	122	565	1	
2	1.59	chloride	8.764	216	976	1	-0.83
3	1.89	nitrite	102.317	1368	7374	1	-2.75
4	3.08	nitrate	3822.843	38101	339206	1	0.00
5	4.64	phosphate	43.056	22	273	1	-0.57
6	5.97	sulfate	32.565	64	1017	1	-1.75
7	7.79	oxalate	14.363	24	619	1	-2.01
		Totals	4023.908	39916	350030		

File: 96041621.d07 Sample: S96T001144 DUP



Data Reprocessed On 04/25/1996 15:20:55

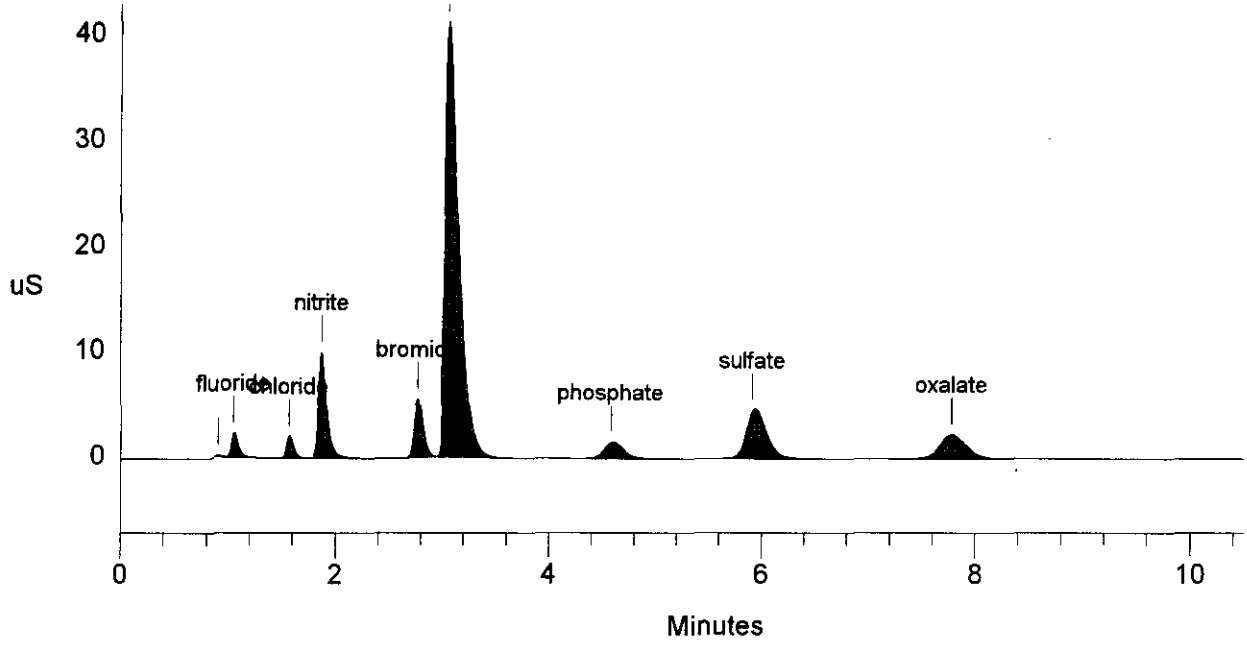
Sample Name: S96T001144 SPIKE Date: 04/16/1996 22:42:30
Data File : C:\DX\DATA\96041621.d08 WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 8 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	187	854	2	
2	1.05	fluoride	56.709	2335	11042	2	0.32
3	1.57	chloride	81.828	2117	10184	1	-1.67
4	1.87	nitrite	610.890	9985	55529	1	-3.44
5	2.77	bromide	538.009	5534	32007	1	0.12
6	3.06	nitrate	4137.626	41156	370626	1	0.00
7	4.59	phosphate	500.829	1539	19862	1	-1.71
8	5.92	sulfate	607.360	4570	62455	1	-2.63
9	7.79	oxalate	504.558	2303	40705	1	-2.01
		Totals	7037.809	69727	603265		

File: 96041621.d08 Sample: S96T001144 SPIKE



Data Reprocessed On 04/25/1996 15:20:58

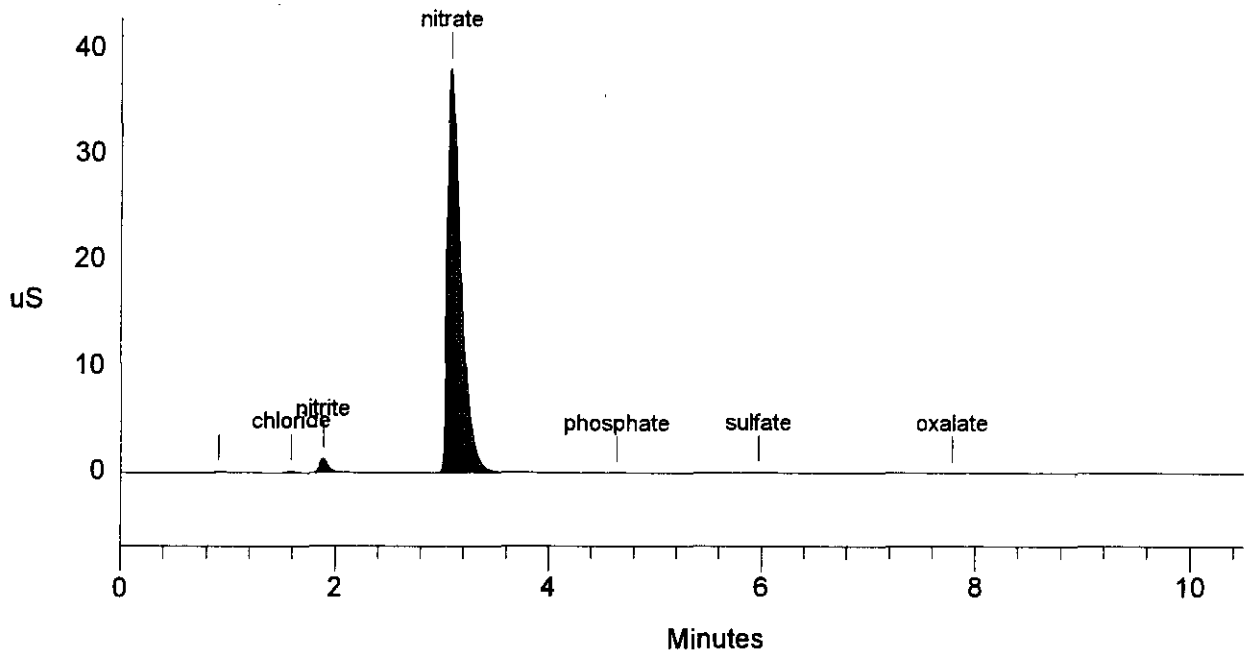
Sample Name: S96T001144 DUP Date: 04/16/1996 22:29:12
Data File : C:\DX\DATA\96041621.d07 WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 7 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	122	565	1	
2	1.59	chloride	8.764	216	976	1	-0.83
3	1.89	nitrite	102.317	1368	7374	1	-2.75
4	3.08	nitrate	3822.843	38101	339206	1	0.00
5	4.64	phosphate	43.056	22	273	1	-0.57
6	5.97	sulfate	32.565	64	1017	1	-1.75
7	7.79	oxalate	14.363	24	619	1	-2.01
		Totals	4023.908	39916	350030		

File: 96041621.d07 Sample: S96T001144 DUP



Data Reprocessed On 04/25/1996 15:21:01

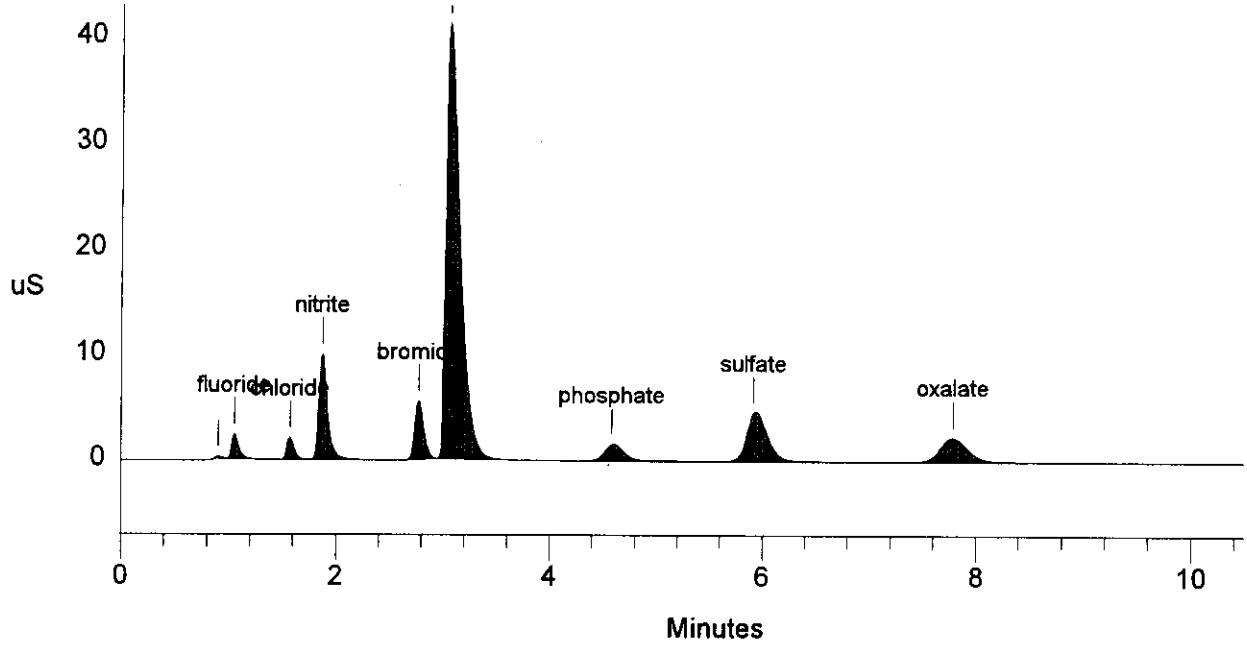
Sample Name: S96T001144 SPIKE Date: 04/16/1996 22:42:30
Data File : C:\DX\DATA\96041621.d08 WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 8 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	187	854	2	
2	1.05	fluoride	56.709	2335	11042	2	0.32
3	1.57	chloride	81.828	2117	10184	1	-1.67
4	1.87	nitrite	610.890	9985	55529	1	-3.44
5	2.77	bromide	538.009	5534	32007	1	0.12
6	3.06	nitrate	4137.626	41156	370626	1	0.00
7	4.59	phosphate	500.829	1539	19862	1	-1.71
8	5.92	sulfate	607.360	4570	62455	1	-2.63
9	7.79	oxalate	504.558	2303	40705	1	-2.01
		Totals	7037.809	69727	603265		

File: 96041621.d08 Sample: S96T001144 SPIKE



Data Reprocessed On 04/25/1996 15:21:04

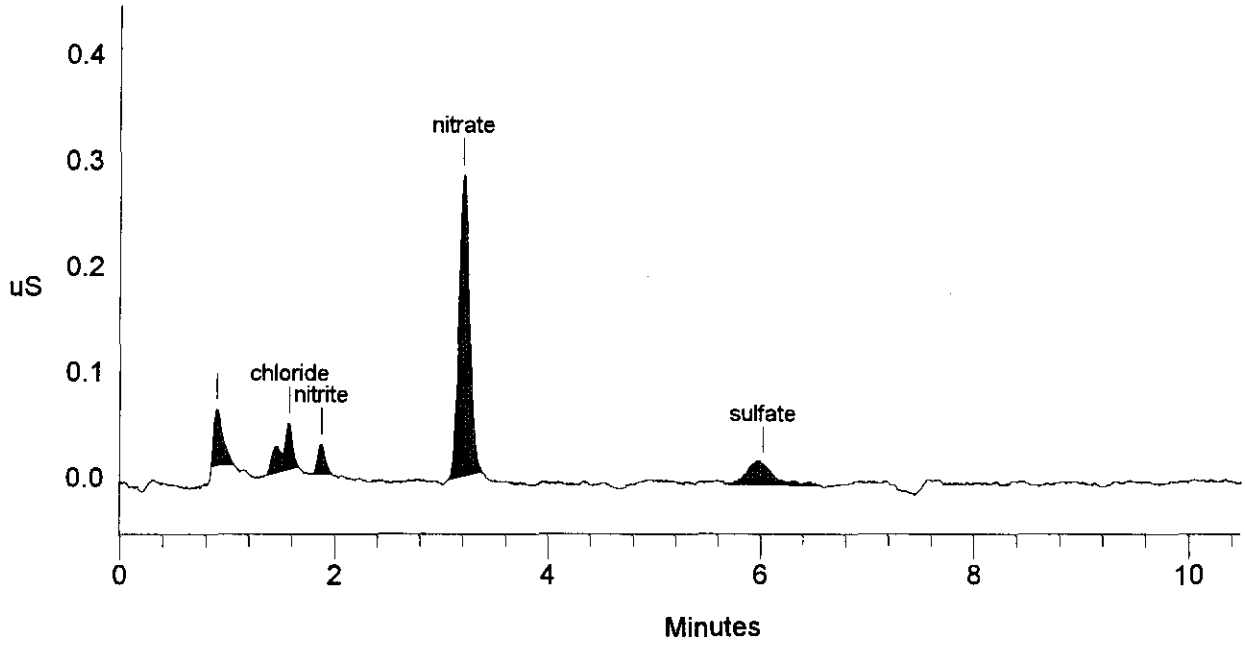
Sample Name: S96T001160 SAM Date: 04/16/1996 22:54:42
Data File : C:\DX\DATA\96041621.d09
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 9 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	10201	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	54	315	1	
2	1.58	chloride	377.555	44	351	1	-1.25
3	1.88	nitrite	2534.145	28	134	1	-3.09
4	3.21	nitrate	5808.030	285	1958	1	-4.85
5	6.03	sulfate	2673.106	20	375	1	-0.88
		Totals	11392.836	430	3133		

File: 96041621.d09 Sample: S96T001160 SAM



Data Reprocessed On 04/25/1996 15:21:07

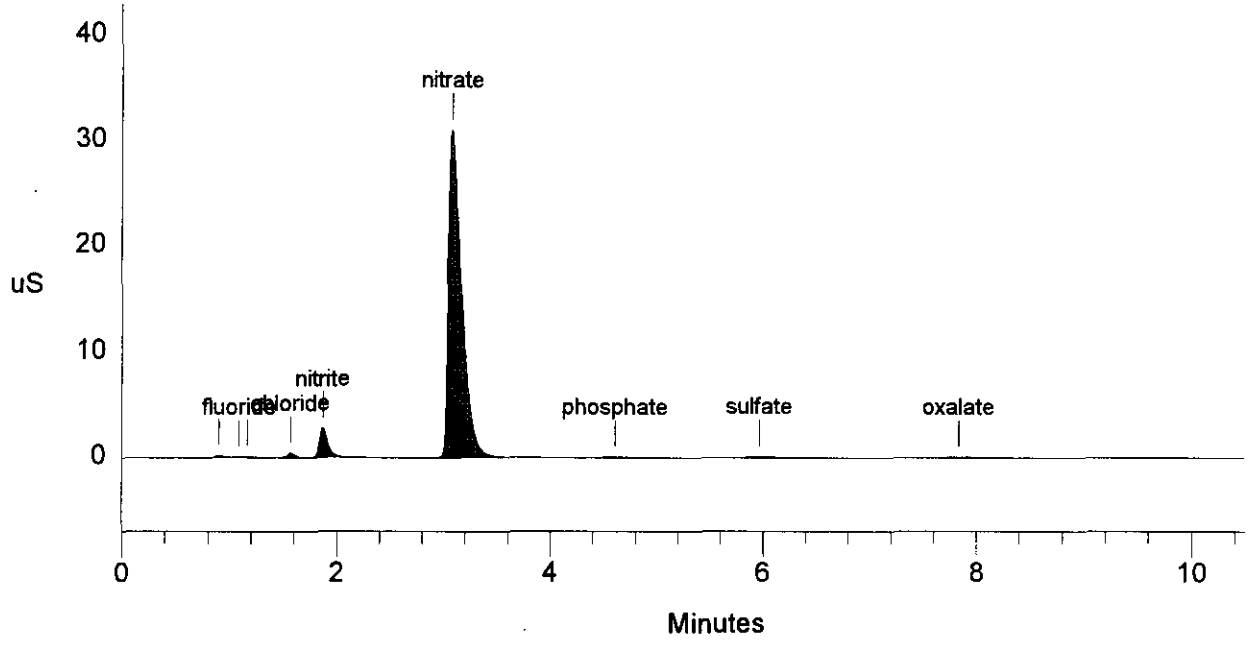
Sample Name: S96T001160 SAM	Date: 04/16/1996 23:06:16
Data File : C:\DX\DATA\96041621.d10	WHC-SD-WM-DP-184, REV. \
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 10	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	134	715	2	
2	1.09	fluoride	2.791	57	291	2	4.13
3	1.17		0.000	85	440	2	
4	1.57	chloride	17.069	440	2011	1	-1.67
5	1.87	nitrite	184.937	2789	15141	1	-3.44
6	3.08	nitrate	3082.542	30958	267603	1	0.00
7	4.61	phosphate	56.737	68	854	1	-1.14
8	5.97	sulfate	36.374	107	1418	1	-1.75
9	7.84	oxalate	15.996	49	752	1	-1.34
		Totals	3396.446	34686	289225		

File: 96041621.d10 Sample: S96T001160 SAM



Data Reprocessed On 04/25/1996 15:21:10

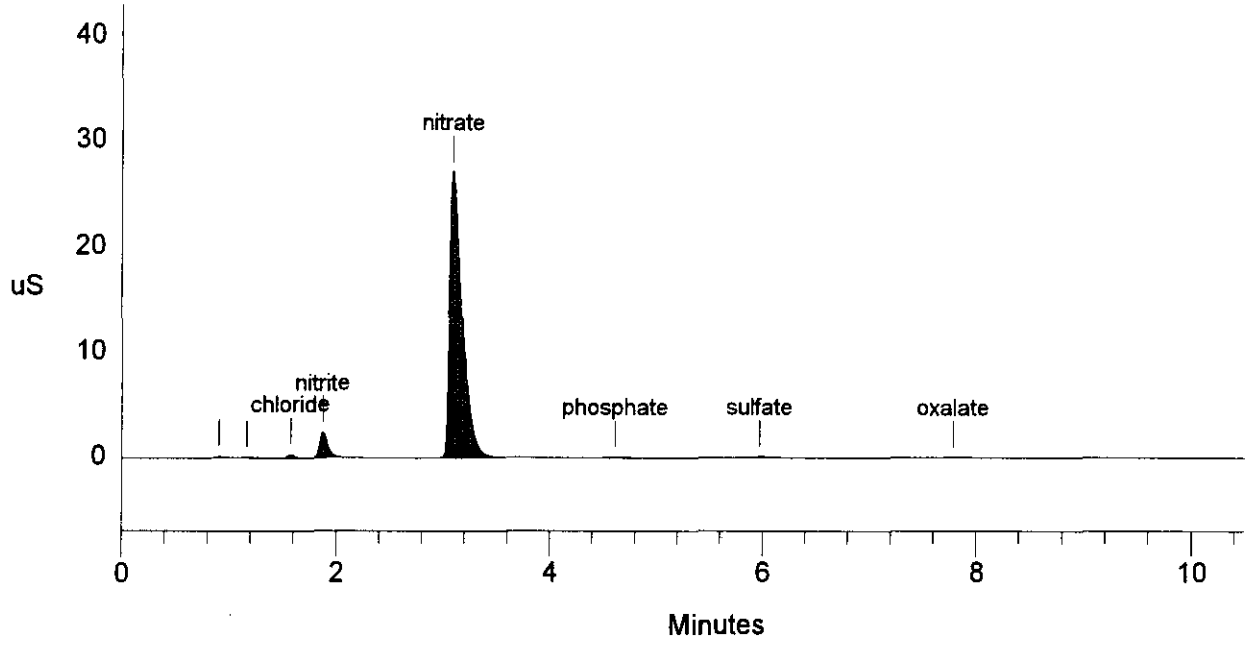
Sample Name: S96T001160 DUP Date: 04/16/1996 23:26:35
Data File : C:\DX\DATA\96041621.d11
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-184, REV.
ACI Address: 1 System: 1 Inject#: 11 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	133	796	2	
2	1.17		0.000	73	603	2	
3	1.57	chloride	14.279	371	1663	1	-1.67
4	1.87	nitrite	164.830	2426	13249	1	-3.44
5	3.09	nitrate	2644.300	26997	226604	1	-0.11
6	4.61	phosphate	52.594	54	678	1	-1.14
7	5.97	sulfate	34.454	86	1216	1	-1.75
8	7.79	oxalate	18.699	43	971	1	-2.01
		Totals	2929.158	30183	245780		

File: 96041621.d11 Sample: S96T001160 DUP



LABCORE Data Entry Template for Worklist# 7584

Analyst: EAL **Instrument:** IC00 IC01 **Book#** 133N9D

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-107 IC. RCJ

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	SAMPLE	S96T001110	0		@IC-01	LIQUID	96000126	U-107
	Analytes Requested:	BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
4	DUP	S96T001110	0		@IC-01	LIQUID		
5	SPK	S96T001110	0		@IC-01	LIQUID		
6	SAMPLE	S96T001120	0		@IC-01	LIQUID	96000126	U-107
	Analytes Requested:	BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
7	DUP	S96T001120	0		@IC-01	LIQUID		
8	SAMPLE	S96T001121	0		@IC-01	LIQUID	96000126	U-107
	Analytes Requested:	BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
9	DUP	S96T001121	0		@IC-01	LIQUID		

Final page for worklist # 7584

Jann Fuge for Ann Lambel 6/6/96
Analyst Signature **Date**

Analyst Signature **Date**

uploaded 6/10/96 JM Fuge

Data Entry Comments:

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 7584

96041401.D03 → D27

Analyst: [illegible] **Instrument:** IC00 _____ **Book#** 13319-D

Method: LA-533-105 **Rev/Mod** D-1

Worklist Comment: U-107 IC. RCJ

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK				@IC-01	LIQUID		
4	STD				@IC-01	LIQUID		
5	SAMPLE	S96T001110	0		@IC-01	LIQUID	96000126	U-107
	Analytes Requested:	BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
6	DUP	S96T001110	0		@IC-01	LIQUID		
7	SPK	S96T001110	0		@IC-01	LIQUID		
8	SAMPLE	S96T001119	0		@IC-01	LIQUID	96000126	U-107
	Analytes Requested:	BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
9	DUP	S96T001119	0		@IC-01	LIQUID		
10	SAMPLE	S96T001120	0		@IC-01	LIQUID	96000126	U-107
	Analytes Requested:	BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
11	DUP	S96T001120	0		@IC-01	LIQUID		
12	SAMPLE	S96T001121	0		@IC-01	LIQUID	96000126	U-107
	Analytes Requested:	BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
13	DUP	S96T001121	0		@IC-01	LIQUID		

A. Lambel 04-14-96

Data Entry Comments: This worklist is too long! as you can see!

366

Exported 7584 near CSV. May need to split with + Rerun 1119

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

In shell 4/25/96

LABCORE Completed Worklist Report for Worklist# 7584

Analyst: eal **Instrument:** IC01 **Book#** 133N9D

Method: 44-533-125 Rev/Mod D-1

Worklist Comment: U-107 IC. RCJ

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1		<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1		<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1		<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1		<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1		3.65e-01	0.365	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1		<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1		<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1		<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01		5.70e+01	96.610	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01		7.75e+01	98.101	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.40e02		5.47e+02	101.296	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02		5.65e+02	98.261	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02		5.89e+02	95.928	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02		5.04e+02	92.308	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02		6.10e+02	96.672	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.03e02		5.19e+02	103.181	% Recovery
3	SAMPLE	S96T001110		0	@IC-01	F-02	LIQUID	N/A		1.558e+01	7.878	ug/mL
3	SAMPLE	S96T001110		0	@IC-01	CL-02	LIQUID	N/A		7.716e+01	10.300	ug/mL
3	SAMPLE	S96T001110		0	@IC-01	NO2-02	LIQUID	N/A		6.573e+02	64.840	ug/mL
3	SAMPLE	S96T001110		0	@IC-01	BR-02	LIQUID	N/A		6.445e+03	76.360	ug/mL
3	SAMPLE	S96T001110		0	@IC-01	NO3-02	LIQUID	N/A		2.328e+03	84.840	ug/mL
3	SAMPLE	S96T001110		0	@IC-01	PO4-02	LIQUID	N/A	<	7.205e+01	72.050	ug/mL
3	SAMPLE	S96T001110		0	@IC-01	SO4-02	LIQUID	N/A		2.348e+02	82.360	ug/mL
3	SAMPLE	S96T001110		0	@IC-01	OXALATE2	LIQUID	N/A	<	6.363e+01	63.630	ug/mL
4	DUP	S96T001110		0	@IC-01	F-02	LIQUID	1.56e+01		1.59e+01	1.905	RPD
4	DUP	S96T001110		0	@IC-01	CL-02	LIQUID	7.72e+01		7.86e+01	1.797	RPD
4	DUP	S96T001110		0	@IC-01	NO2-02	LIQUID	6.57e+02		6.42e+02	2.309	RPD
4	DUP	S96T001110		0	@IC-01	BR-02	LIQUID	6.44e+03		6.20e+03	3.797	RPD
4	DUP	S96T001110		0	@IC-01	NO3-02	LIQUID	2.33e+03		2.33e+03	0.000	RPD
4	DUP	S96T001110		0	@IC-01	PO4-02	LIQUID	<7.20e1		2.50e+02		RPD
4	DUP	S96T001110		0	@IC-01	SO4-02	LIQUID	2.35e+02		2.32e+02	1.285	RPD
4	DUP	S96T001110		0	@IC-01	OXALATE2	LIQUID	<6.36e1		7.19e+01		RPD
5	SPK	S96T001110		0	@IC-01	F-02	LIQUID	5.90e01		5.59e+01	94.746	% Recovery
5	SPK	S96T001110		0	@IC-01	CL-02	LIQUID	7.90e01		6.82e+01	86.329	% Recovery
5	SPK	S96T001110		0	@IC-01	NO2-02	LIQUID	5.40e02		4.80e+02	88.889	% Recovery
5	SPK	S96T001110		0	@IC-01	BR-02	LIQUID	5.75e02		4.98e+02	86.609	% Recovery
5	SPK	S96T001110		0	@IC-01	NO3-02	LIQUID	6.14e02		5.24e+02	85.342	% Recovery
5	SPK	S96T001110		0	@IC-01	PO4-02	LIQUID	5.46e02		4.84e+02	88.645	% Recovery
5	SPK	S96T001110		0	@IC-01	SO4-02	LIQUID	6.31e02		5.42e+02	85.895	% Recovery
5	SPK	S96T001110		0	@IC-01	OXALATE2	LIQUID	5.03e02		4.88e+02	97.018	% Recovery
6	SAMPLE	S96T001120		0	@IC-01	F-02	LIQUID	N/A	<	2.757e+01	27.570	ug/mL

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 7584

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
6	SAMPLE	S96T001120		0	@IC-01	CL-02	LIQUID	N/A	1.186e+03	36.060	ug/mL
6	SAMPLE	S96T001120		0	@IC-01	NO2-02	LIQUID	N/A	1.302e+04	226.900	ug/mL
6	SAMPLE	S96T001120		0	@IC-01	BR-02	LIQUID	N/A	2.402e+04	267.200	ug/mL
6	SAMPLE	S96T001120		0	@IC-01	NO3-02	LIQUID	N/A	1.796e+04	296.900	ug/mL
6	SAMPLE	S96T001120		0	@IC-01	PO4-02	LIQUID	N/A <	2.522e+02	252.200	ug/mL
6	SAMPLE	S96T001120		0	@IC-01	SO4-02	LIQUID	N/A	7.684e+02	288.200	ug/mL
6	SAMPLE	S96T001120		0	@IC-01	OXALATE2	LIQUID	N/A <	2.227e+02	222.700	ug/mL
7	DUP	S96T001120		0	@IC-01	F-02	LIQUID	<2.76e1	<2.76e1		RPD
7	DUP	S96T001120		0	@IC-01	CL-02	LIQUID	1.19e+03	1.23e+03	3.306	RPD
7	DUP	S96T001120		0	@IC-01	NO2-02	LIQUID	1.30e+04	1.31e+04	0.766	RPD
7	DUP	S96T001120		0	@IC-01	BR-02	LIQUID	2.40e+04	2.43e+04	1.242	RPD
7	DUP	S96T001120		0	@IC-01	NO3-02	LIQUID	1.80e+04	1.80e+04	0.000	RPD
7	DUP	S96T001120		0	@IC-01	PO4-02	LIQUID	<2.52e2	<2.52e2		RPD
7	DUP	S96T001120		0	@IC-01	SO4-02	LIQUID	7.68e+02	7.83e+02	1.934	RPD
7	DUP	S96T001120		0	@IC-01	OXALATE2	LIQUID	<2.23e2	2.91e+02		RPD
8	SAMPLE	S96T001121		0	@IC-01	F-02	LIQUID	N/A <	2.757e+01	27.570	ug/mL
8	SAMPLE	S96T001121		0	@IC-01	CL-02	LIQUID	N/A	7.863e+02	36.060	ug/mL
8	SAMPLE	S96T001121		0	@IC-01	NO2-02	LIQUID	N/A	8.297e+03	226.900	ug/mL
8	SAMPLE	S96T001121		0	@IC-01	BR-02	LIQUID	N/A	1.923e+04	267.200	ug/mL
8	SAMPLE	S96T001121		0	@IC-01	NO3-02	LIQUID	N/A	1.122e+04	296.900	ug/mL
8	SAMPLE	S96T001121		0	@IC-01	PO4-02	LIQUID	N/A <	2.522e+02	252.200	ug/mL
8	SAMPLE	S96T001121		0	@IC-01	SO4-02	LIQUID	N/A	6.620e+02	288.200	ug/mL
8	SAMPLE	S96T001121		0	@IC-01	OXALATE2	LIQUID	N/A <	2.227e+02	222.700	ug/mL
9	DUP	S96T001121		0	@IC-01	F-02	LIQUID	<2.76e1	<2.76e1		RPD
9	DUP	S96T001121		0	@IC-01	CL-02	LIQUID	7.86e+02	7.81e+02	0.638	RPD
9	DUP	S96T001121		0	@IC-01	NO2-02	LIQUID	8.30e+03	8.19e+03	1.334	RPD
9	DUP	S96T001121		0	@IC-01	BR-02	LIQUID	1.92e+04	1.92e+04	0.000	RPD
9	DUP	S96T001121		0	@IC-01	NO3-02	LIQUID	1.12e+04	1.15e+04	2.643	RPD
9	DUP	S96T001121		0	@IC-01	PO4-02	LIQUID	<2.52e2	<2.52e2		RPD
9	DUP	S96T001121		0	@IC-01	SO4-02	LIQUID	6.62e+02	6.39e+02	3.536	RPD
9	DUP	S96T001121		0	@IC-01	OXALATE2	LIQUID	<2.23e2	<2.23e2		RPD

Final page for worklist# 7584

Analyst Signature Date

Analyst Signature Date

Reviewer Signature Date 6/10/96

Validated 6/10/96

A-0010-IC DATA FILE/WORKLIST RESOLUTION 10-Jun-96

Worklist#: 7584

		Seq	Type	Sample #
-	=>	1	CCB	
	=>	2	CCV	
	=>	3	SAMPLE	S96T001110
	=>	4	DUP	S96T001110
	=>	5	SPK	S96T001110
	=>	6	SAMPLE	S96T001120
	=>	7	DUP	S96T001120
	=>	8	SAMPLE	S96T001121
	=>	9	DUP	S96T001121
+				

Data File: 7584MAR.CSV

	Seq#	Data File	Sample Name		Dilution
-		96041401.d09	S96T001110		2121.00
		96041401.d10	S96T001110		1111.00
	3	96041401.d11	S96T001110		606.00
	4	96041401.d12	S96T001110	DUP	606.00
	5	96041401.d13	S96T001110	SPIK	606.00
		96041401.d17	S96T001119		1111.00
		96041401.d18	S96T001119		1111.00
		96041401.d20	S96T001119		5151.00
		96041401.d21	S96T001119	DUP	5151.00
		96041401.d22	S96T001120		10201.00
	6	96041401.d23	S96T001120		2121.00
	7	96041401.d24	S96T001120	DUP	2121.00
		96041401.d25	S96T001121		101.00
	8	96041401.d26	S96T001121		2121.00
+	9	96041401.d27	S96T001121	DUP	2121.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 04/25/1996 15:29:20

Sample Name: INSTR. BLANK
Data File : C:\DX\DATA\96041401.d03
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 3
Analyst : [illegible]

Date: 04/14/1996 20:35:31
WHC-SD-WM-DP-184, REV. 1
Detector:CDM-1
Column: AG4A/AS4A anion column

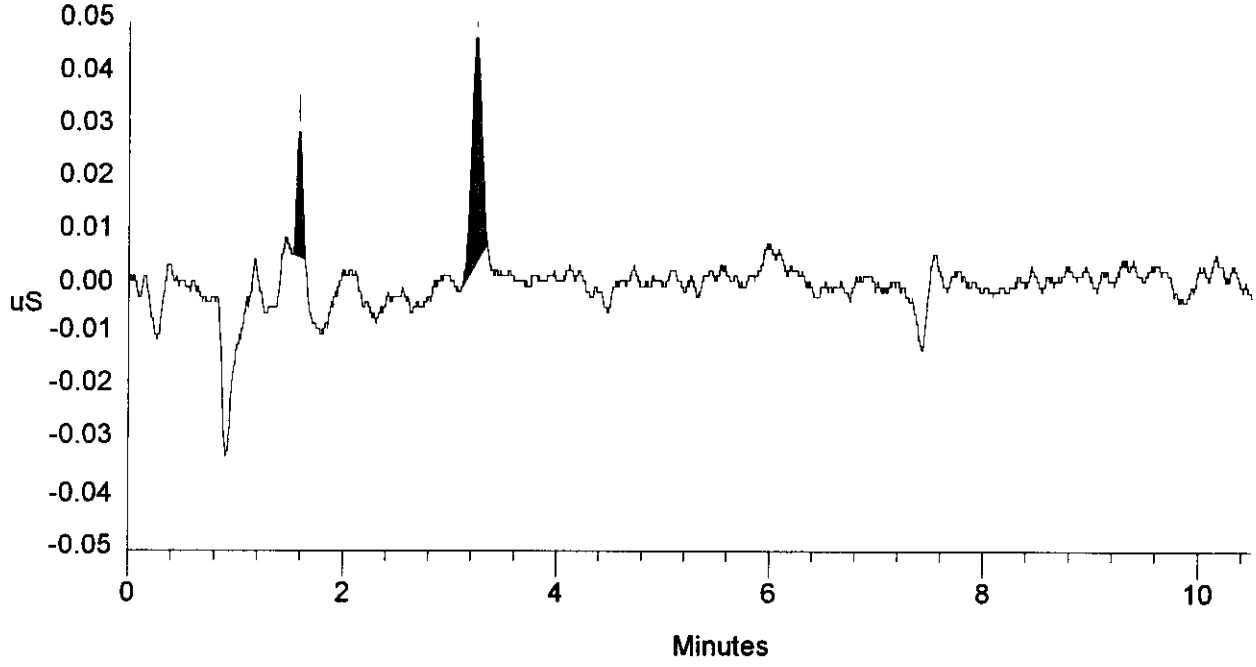
[illegible] 6/11/96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	3.25	nitrate	0.365	43	269	1	-3.66
		Totals	0.365	43	269		

File: 96041401.d03 Sample: INSTR. BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 370 TO 383.

Data Reprocessed On 04/25/1996 15:29:29

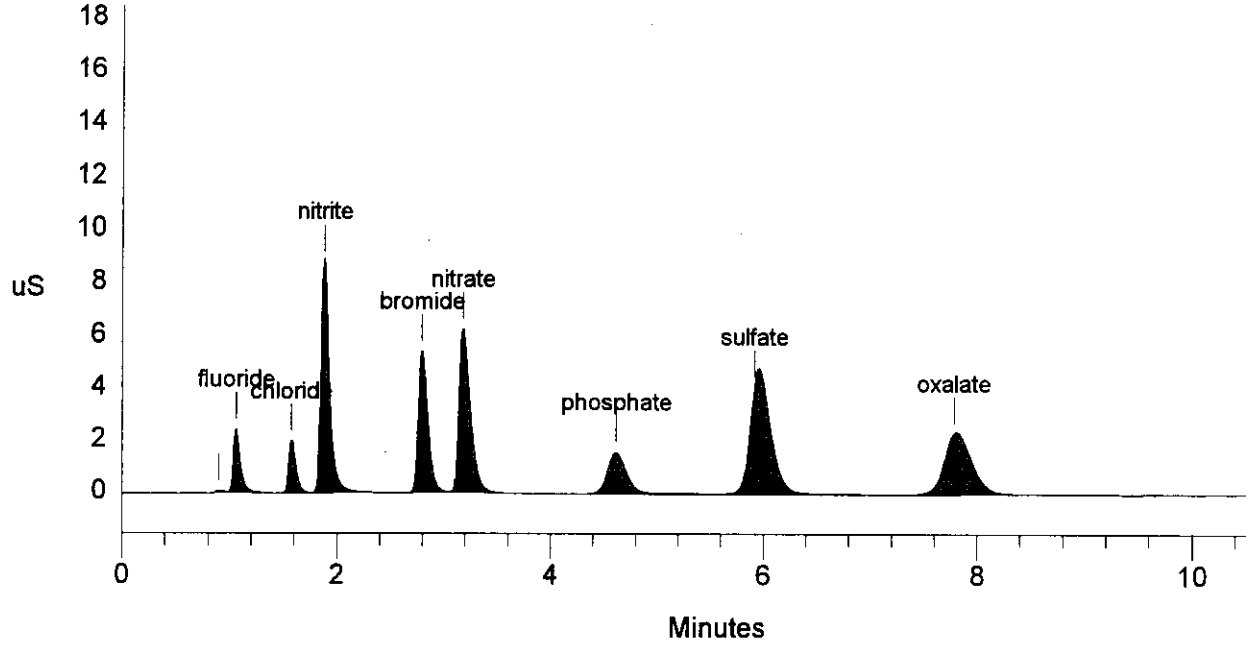
Sample Name: 133N9-D STD.	Date: 04/14/1996 21:21:55
Data File : C:\DX\DATA\96041401.d06	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 6	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	75	322	2	
2	1.06	fluoride	56.959	2417	11093	2	0.95
3	1.57	chloride	77.481	2005	9630	1	-1.67
4	1.88	nitrite	547.340	8794	49466	1	-3.09
5	2.79	bromide	565.104	5398	33723	1	0.84
6	3.18	nitrate	589.105	6223	45977	1	-5.64
7	4.61	phosphate	504.270	1580	20011	1	-1.14
8	5.92	sulfate	609.602	4076	62699	1	-2.63
9	7.79	oxalate	519.231	2313	41914	1	-2.01
		Totals	3469.092	32879	274834		

File: 96041401.d06 Sample: 133N9-D STD.



Data Reprocessed On 04/25/1996 15:29:32

Sample Name: S96T001110 Date: 04/14/1996 21:37:27
Data File : C:\DX\DATA\96041401.d08
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 8 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

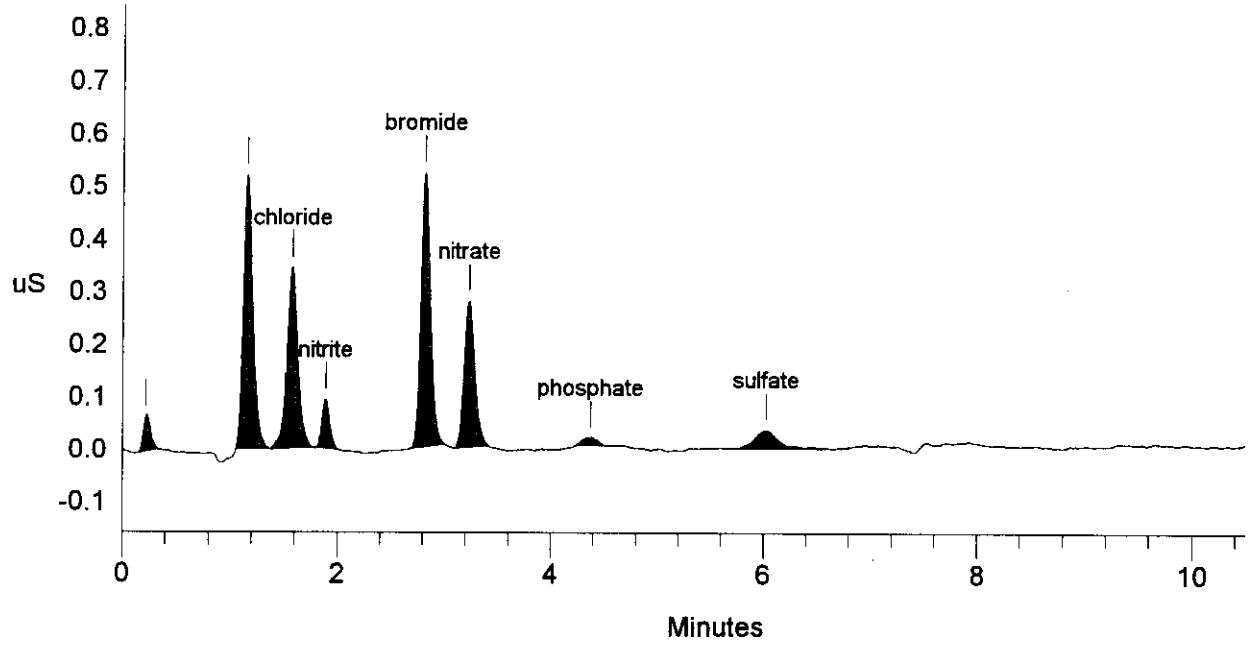
WHC-SD-WM-DP-184, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	10201	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.22		0.000	66	316	1	
2	1.16		0.000	518	3148	1	
3	1.58	chloride	2027.032	343	2386	1	-1.25
4	1.89	nitrite	2868.623	92	444	1	-2.41
5	2.82	bromide	7567.010	519	3144	1	1.81
6	3.23	nitrate	5719.582	277	1887	1	-4.06
7	4.37	phosphate	4054.702	14	149	1	-6.29
8	6.03	sulfate	2814.151	34	522	1	-0.88
		Totals	25051.100	1864	11996		

File: 96041401.d08 Sample: S96T001110



Data Reprocessed On 04/25/1996 15:29:35

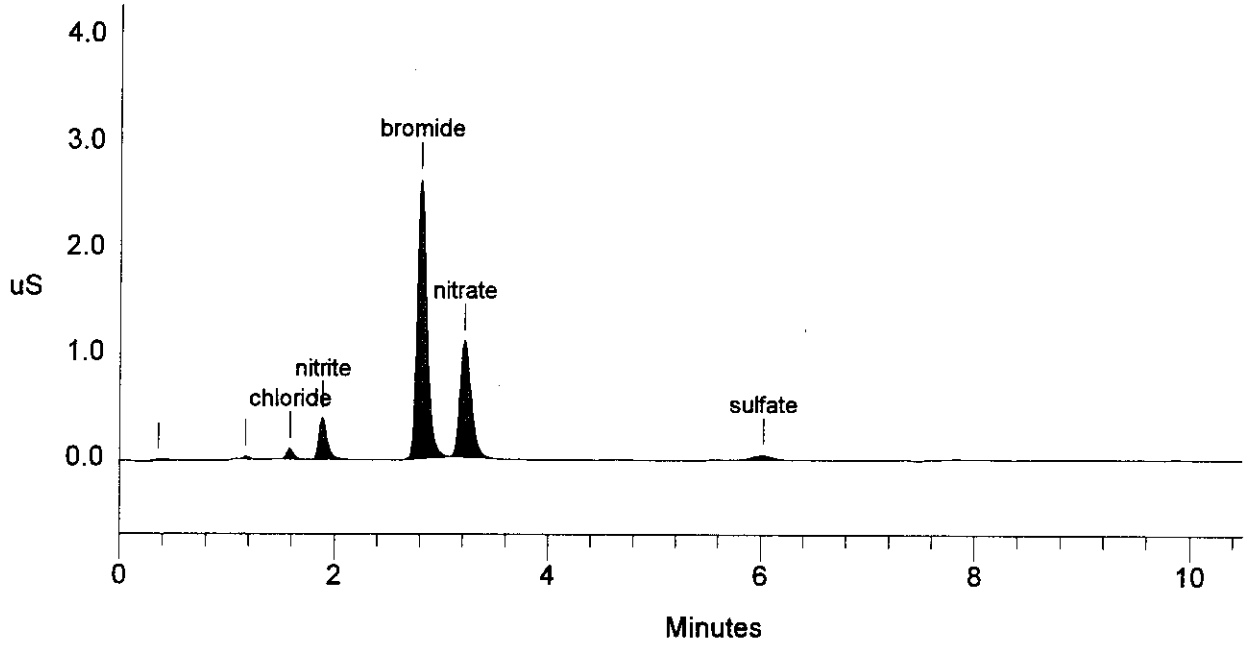
Sample Name: S96T001110	Date: 04/14/1996 21:54:26
Data File : C:\DX\DATA\96041401.d09	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 9	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	2121	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.36		0.000	15	183	1	
3	1.59	chloride	92.067	100	431	1	-0.83
4	1.89	nitrite	950.645	393	2024	1	-2.75
5	2.81	bromide	6090.901	2645	16443	1	1.32
6	3.21	nitrate	2718.866	1104	7860	1	-4.65
7	6.03	sulfate	590.686	43	550	1	-0.88
		Totals	10443.165	4300	27490		

File: 96041401.d09 Sample: S96T001110



Data Reprocessed On 04/25/1996 15:29:38

Sample Name: S96T001110 Date: 04/14/1996 22:11:36
Data File : C:\DX\DATA\96041401.d10
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 10 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

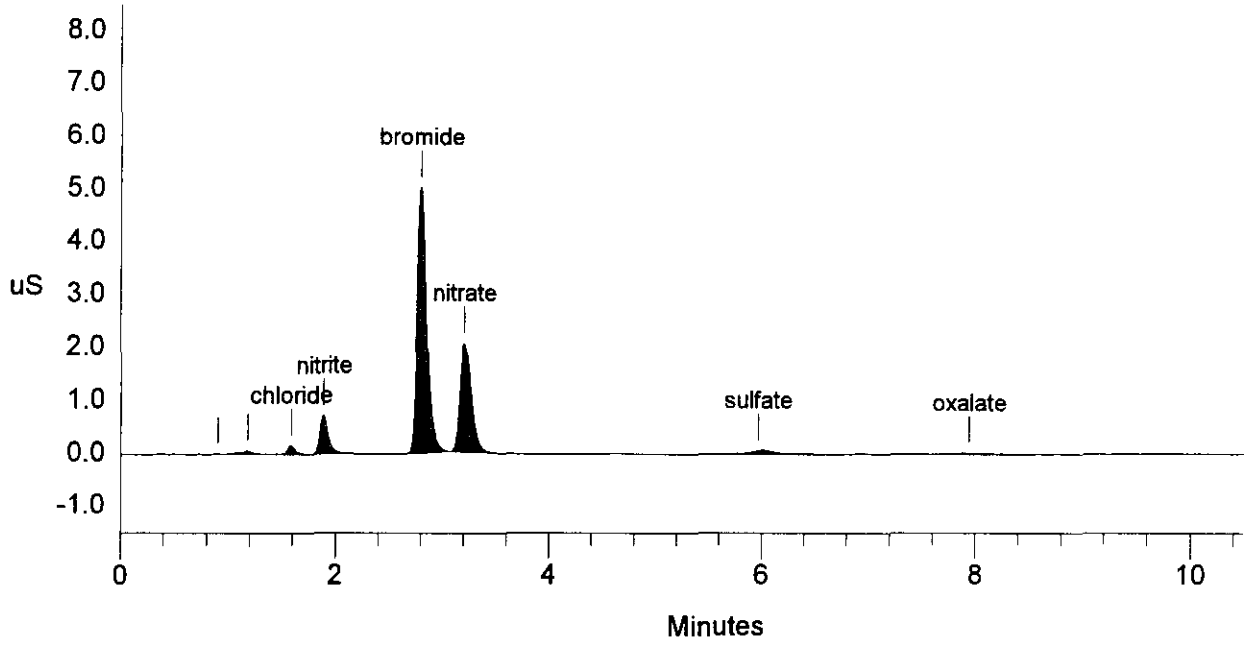
WHC-SD-WM-DP-184, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1111	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	1.18		0.000	64	440	2	
3	1.59	chloride	72.327	164	703	1	-0.83
4	1.89	nitrite	698.944	722	3736	1	-2.75
5	2.80	bromide	5737.693	5022	30969	1	1.08
6	3.21	nitrate	2351.934	2041	14798	1	-4.85
7	5.97	sulfate	348.045	57	920	1	-1.75
8	7.95	oxalate	111.015	13	273	1	0.00
		Totals	9319.958	8082	51839		

File: 96041401.d10 Sample: S96T001110



Data Reprocessed On 04/25/1996 15:29:41

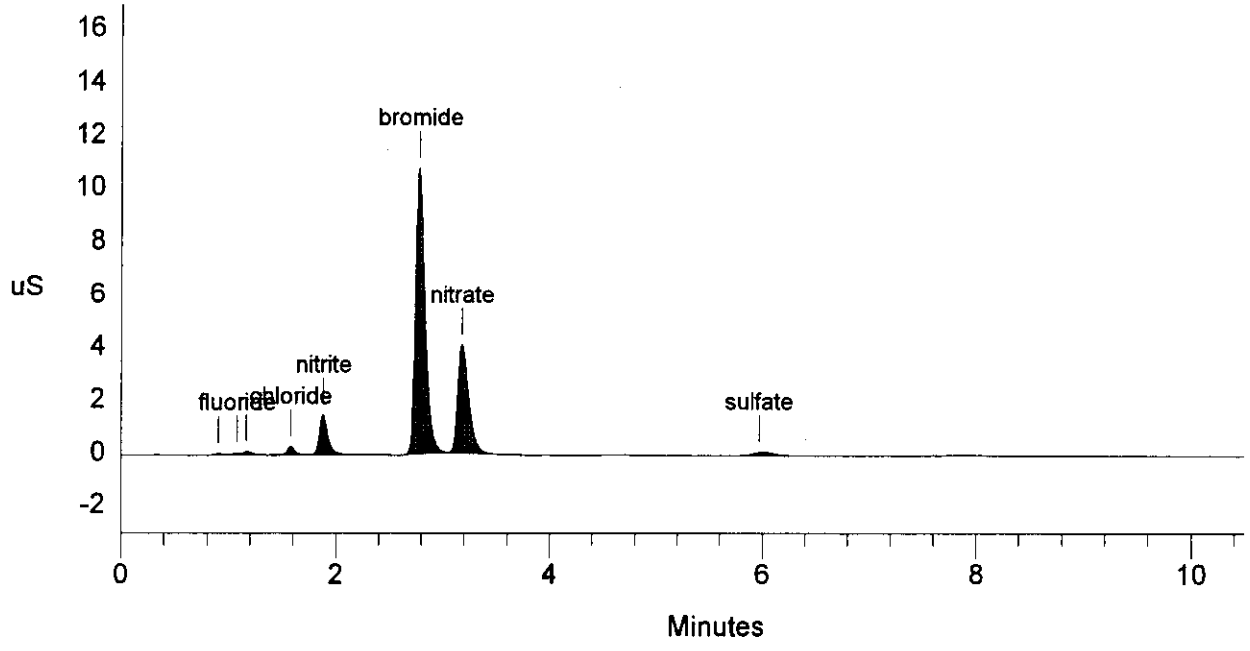
Sample Name: S96T001110 Date: 04/15/1996 00:13:26
Data File : C:\DX\DATA\96041401.d11
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 11 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	606	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	36	187	2	
2	1.08	fluoride	15.581	61	253	2	2.86
3	1.17		0.000	124	660	2	
4	1.58	chloride	77.155	313	1486	1	-1.25
5	1.88	nitrite	657.281	1499	8053	1	-3.09
6	2.78	bromide	6445.255	10775	66576	1	0.36
7	3.18	nitrate	2327.812	4089	29205	1	-5.64
8	5.97	sulfate	234.757	116	1708	1	-1.75
		Totals	9757.840	17012	108127		

File: 96041401.d11 Sample: S96T001110



Data Reprocessed On 04/25/1996 15:29:44

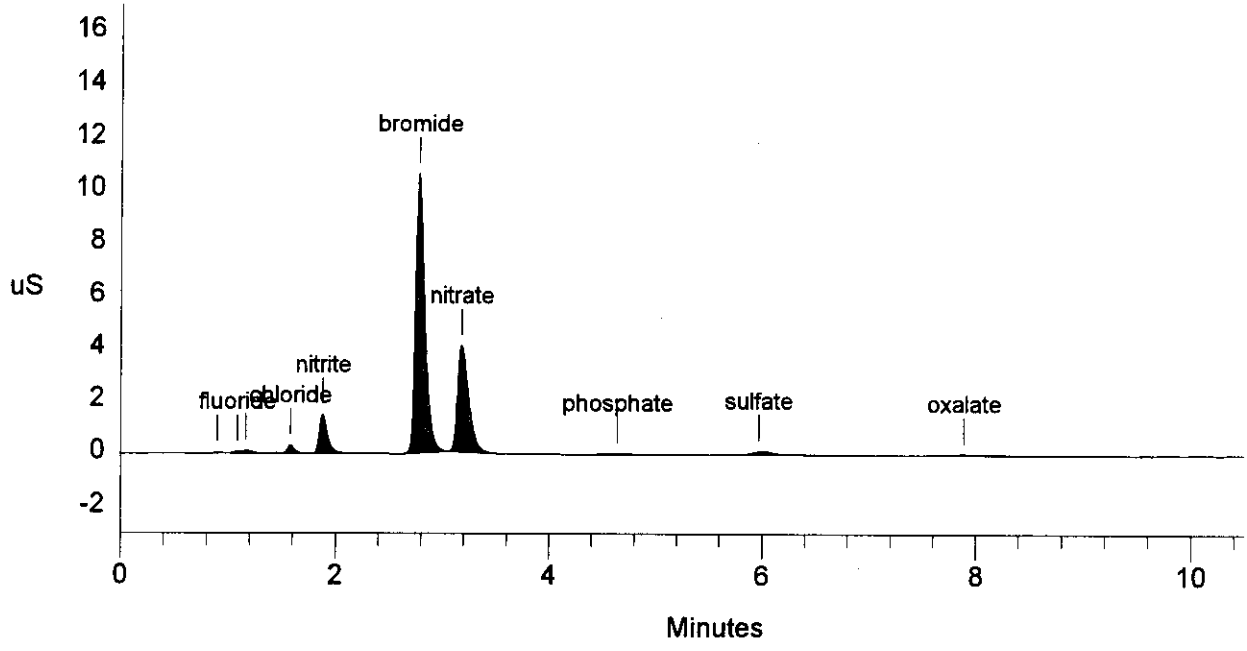
Sample Name: S96T001110 DUP	Date: 04/15/1996 00:25:20
Data File : C:\DX\DATA\96041401.d12	
Method : C:\DX\METHOD\KIT.MET	WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 12	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	606	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	37	184	2	
2	1.09	fluoride	15.927	61	264	2	3.49
3	1.17		0.000	117	617	2	
4	1.58	chloride	78.623	315	1517	1	-1.25
5	1.88	nitrite	641.747	1472	7810	1	-3.09
6	2.78	bromide	6204.835	10595	63947	1	0.36
7	3.18	nitrate	2332.306	4055	29267	1	-5.64
8	4.64	phosphate	250.058	19	214	1	-0.57
9	5.97	sulfate	231.829	113	1657	1	-1.75
10	7.89	oxalate	71.940	27	427	1	-0.67
		Totals	9827.264	16811	105903		

File: 96041401.d12 Sample: S96T001110 DUP



Data Reprocessed On 04/25/1996 15:29:47

Sample Name: S96T001110 SPIKE	Date: 04/15/1996 00:37:47
Data File : C:\DX\DATA\96041401.d13	
Method : C:\DX\METHOD\KIT.MET	WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 13	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	606	3150	5Hz	0.00	10.50		100

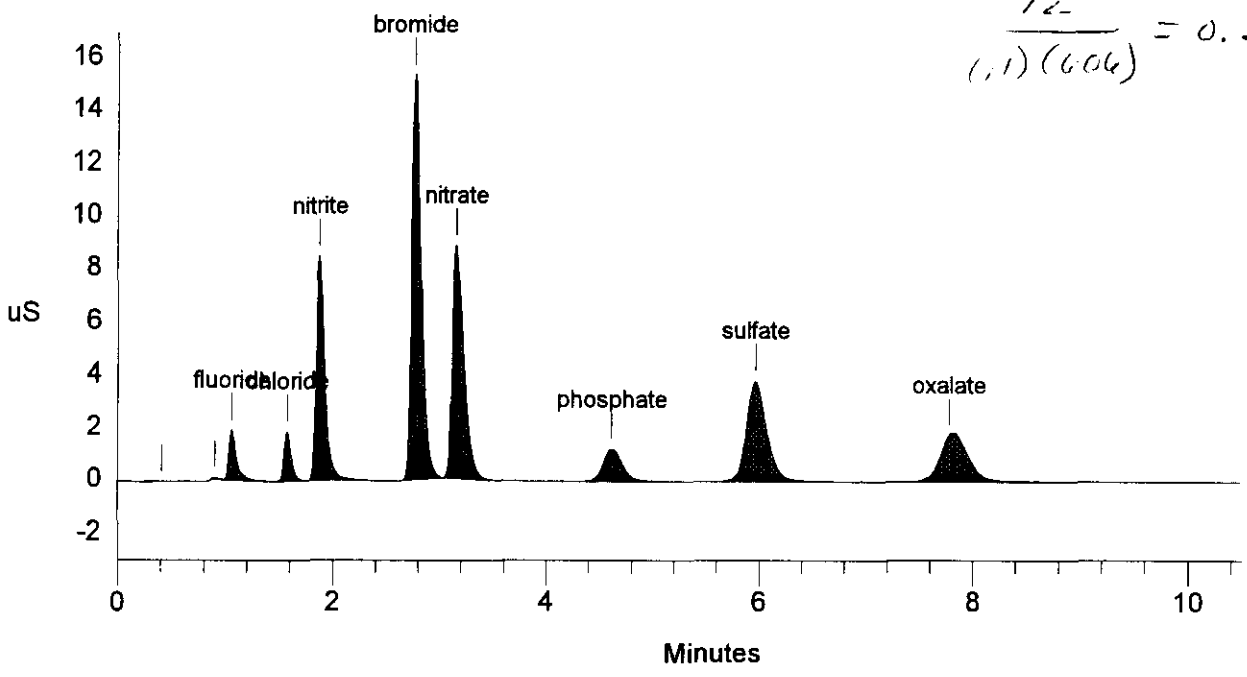
********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.41		0.000	18	267	1	
2	0.91		0.000	90	388	2	
3	1.06	fluoride	294.970	1904	9520	2	0.95
4	1.58	chloride	418.204	1883	8640	1	-1.25
5	1.88	nitrite	3058.921	8496	45893	1	-3.09
6	2.77	bromide	8936.106	15318	94276	1	0.12
7	3.16	nitrate	4945.358	8802	65772	1	-6.23
8	4.61	phosphate	2417.854	1233	15649	1	-1.14
9	5.97	sulfate	2947.227	3793	49889	1	-1.75
10	7.79	oxalate	2439.786	1765	32648	1	-2.01
		Totals	25458.427	43304	322941		

100 - 10 - 2000 - 10

$\frac{12}{(.1)(606)} = 0.2$

File: 96041401.d13 Sample: S96T001110 SPIKE



Data Reprocessed On 04/25/1996 15:30:00

Sample Name: S96T001120 Date: 04/15/1996 04:10:01
Data File : C:\DX\DATA\96041401.d22
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 22 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

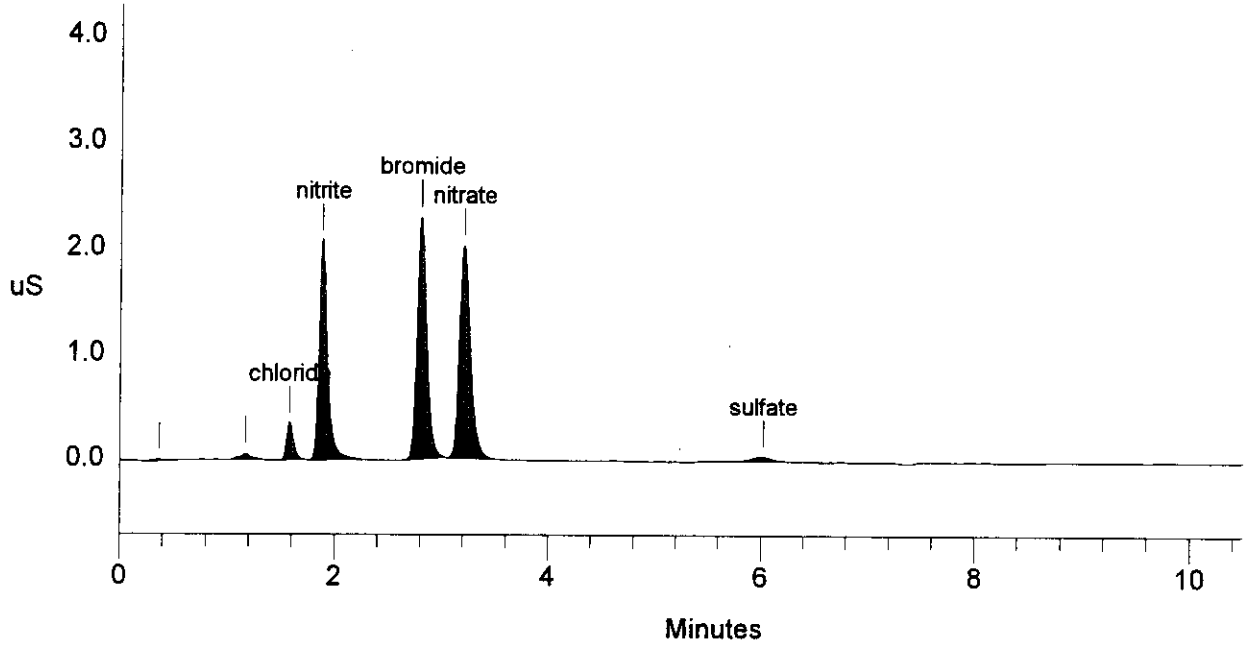
WHC-SD-WM-DP-184, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	10201	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.37		0.000	14	132	1	
2	1.17		0.000	60	426	1	
3	1.58	chloride	1358.553	355	1560	1	-1.25
4	1.88	nitrite	14748.303	2072	11480	1	-3.09
5	2.81	bromide	25556.325	2290	14142	1	1.32
6	3.21	nitrate	20963.697	2009	14283	1	-4.85
7	6.03	sulfate	2874.596	43	585	1	-0.88
		Totals	65501.475	6843	42608		

File: 96041401.d22 Sample: S96T001120



Data Reprocessed On 04/25/1996 15:30:03

Sample Name: S96T001120 Date: 04/15/1996 04:21:20
Data File : C:\DX\DATA\96041401.d23
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 23 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

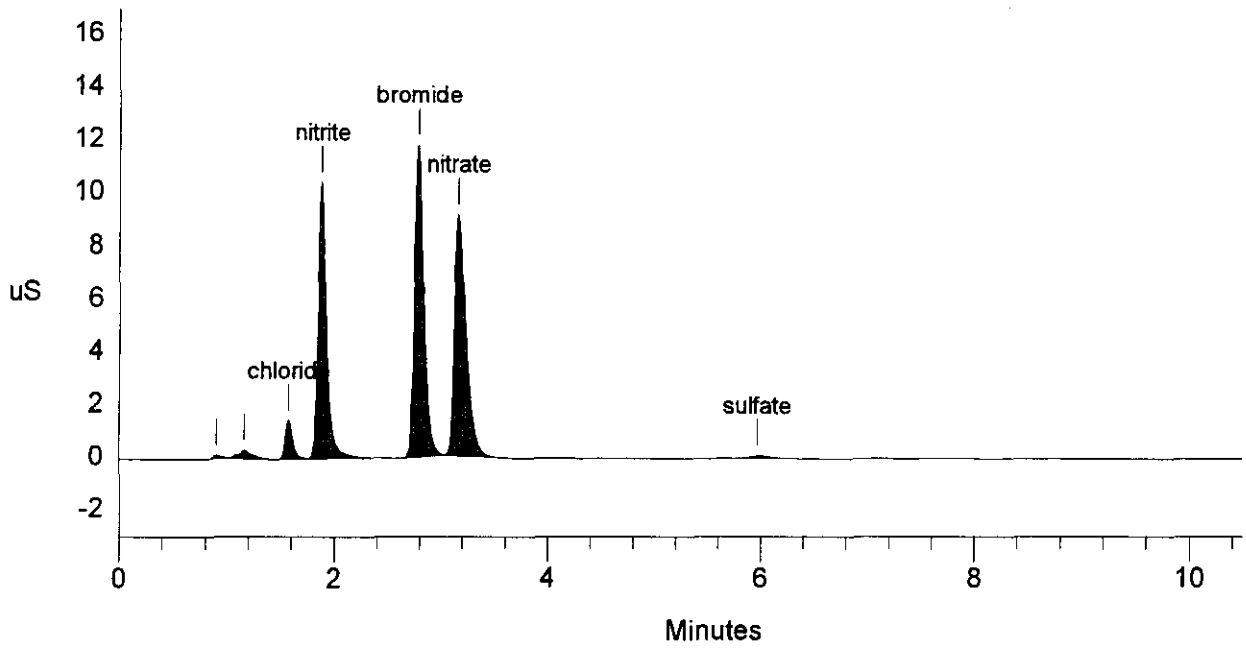
WHC-SD-WM-DP-184, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	2121	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	89	493	2	
2	1.17		0.000	324	2861	2	
3	1.57	chloride	1185.944	1457	6963	1	-1.67
4	1.88	nitrite	13024.106	10387	56418	1	-3.09
5	2.79	bromide	24020.836	11742	71163	1	0.60
6	3.16	nitrate	17957.664	9076	68389	1	-6.23
7	5.97	sulfate	768.372	101	1441	1	-1.75
		Totals	56956.922	33176	207728		

File: 96041401.d23 Sample: S96T001120



Data Reprocessed On 04/25/1996 15:30:06

Sample Name: S96T001120 DUP Date: 04/15/1996 04:33:34
Data File : C:\DX\DATA\96041401.d24
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 24 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

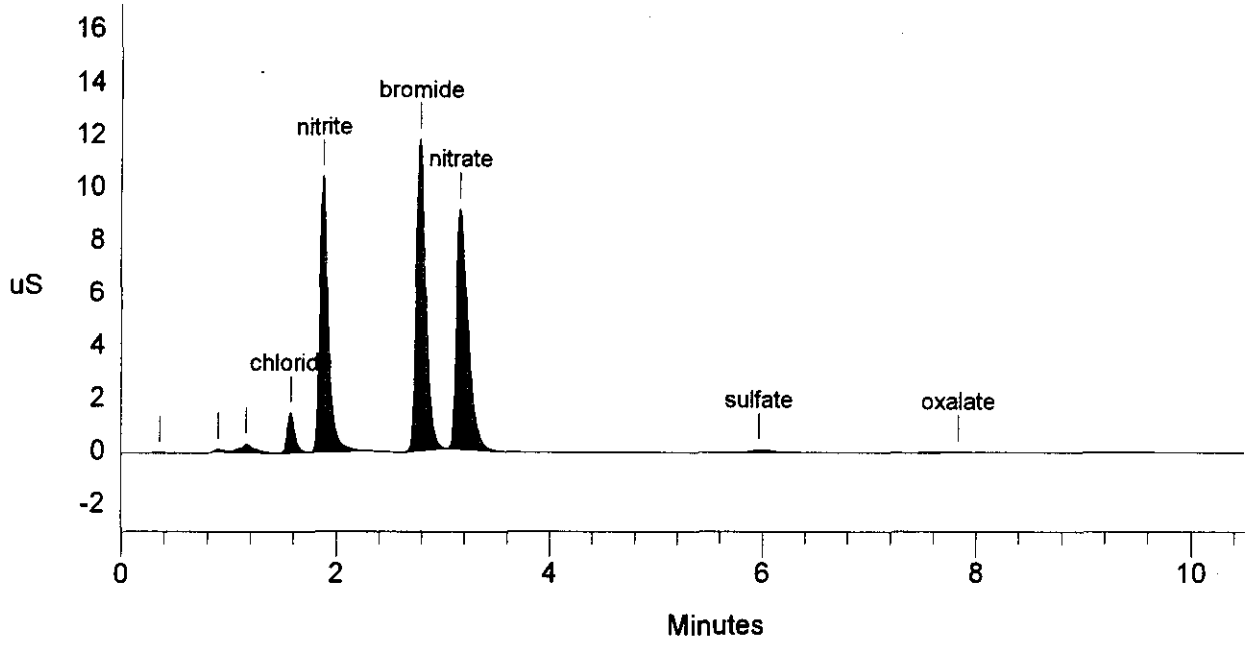
WHC-SD-WM-DP-184, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	2121	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.36		0.000	15	146	1	
2	0.91		0.000	92	517	2	
3	1.17		0.000	326	2794	2	
4	1.58	chloride	1230.269	1516	7230	1	-1.25
5	1.88	nitrite	13121.819	10419	56863	1	-3.09
6	2.79	bromide	24297.298	11800	72033	1	0.60
7	3.16	nitrate	18021.445	9103	68646	1	-6.23
8	5.97	sulfate	782.768	99	1513	1	-1.75
9	7.84	oxalate	290.712	19	577	1	-1.34
		Totals	57744.312	33390	210319		

File: 96041401.d24 Sample: S96T001120 DUP



Data Reprocessed On 04/25/1996 15:30:08

Sample Name: S96T001121 Date: 04/15/1996 04:41:43
Data File : C:\DX\DATA\96041401.d25
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 25 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

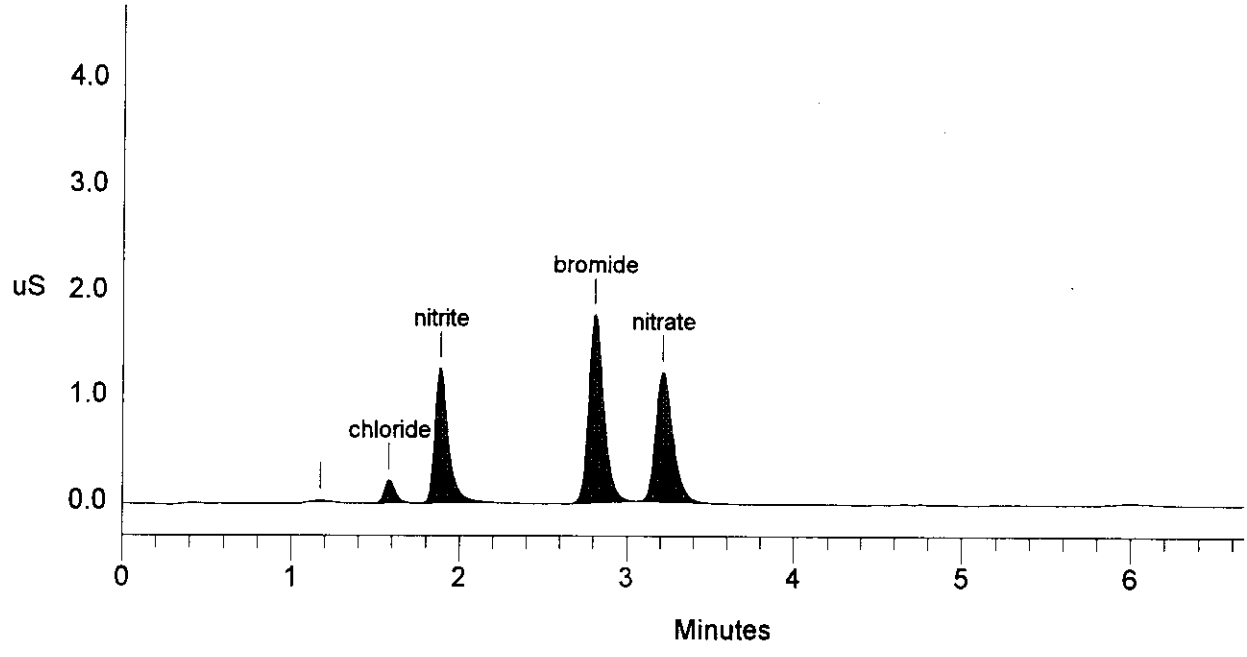
WHC-SD-WM-DP-184, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	2002	5Hz	0.00	6.67		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	1.58	chloride	8.244	210	911	1	-1.25
3	1.89	nitrite	97.539	1268	6925	1	-2.75
4	2.81	bromide	202.344	1773	10999	1	1.32
5	3.21	nitrate	138.524	1222	8603	1	-4.65
		Totals	446.651	4473	27439		

File: 96041401.d25 Sample: S96T001121



Data Reprocessed On 04/25/1996 15:30:11

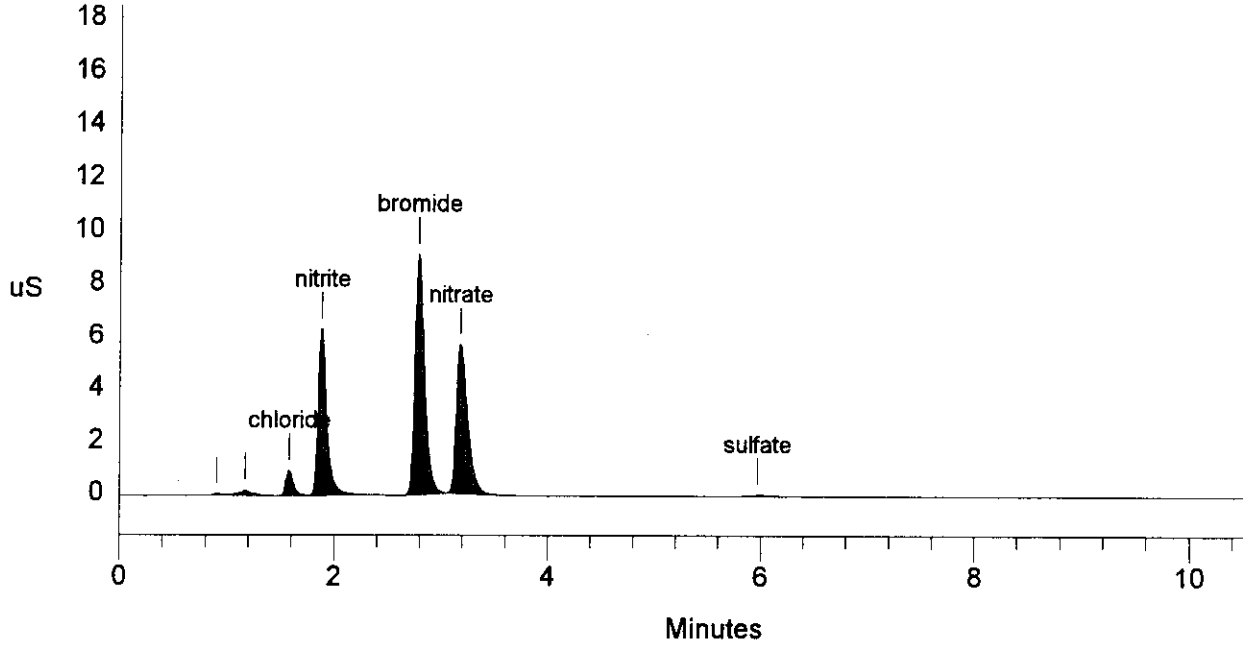
Sample Name: S96T001121 Date: 04/15/1996 04:53:42
Data File : C:\DX\DATA\96041401.d26 WHC-SD-WM-DP-184, REV.
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 26 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	2121	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	49	275	2	
2	1.17		0.000	201	1720	2	
3	1.58	chloride	786.292	964	4563	1	-1.25
4	1.88	nitrite	8296.991	6324	34994	1	-3.09
5	2.79	bromide	19234.792	9103	56237	1	0.60
6	3.18	nitrate	11215.788	5655	41375	1	-5.64
7	5.97	sulfate	661.997	59	908	1	-1.75
		Totals	40195.860	22355	140071		

File: 96041401.d26 Sample: S96T001121



Data Reprocessed On 04/25/1996 15:30:14

Sample Name: S96T001121 DUP Date: 04/15/1996 05:05:24
Data File : C:\DX\DATA\96041401.d27
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 27 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

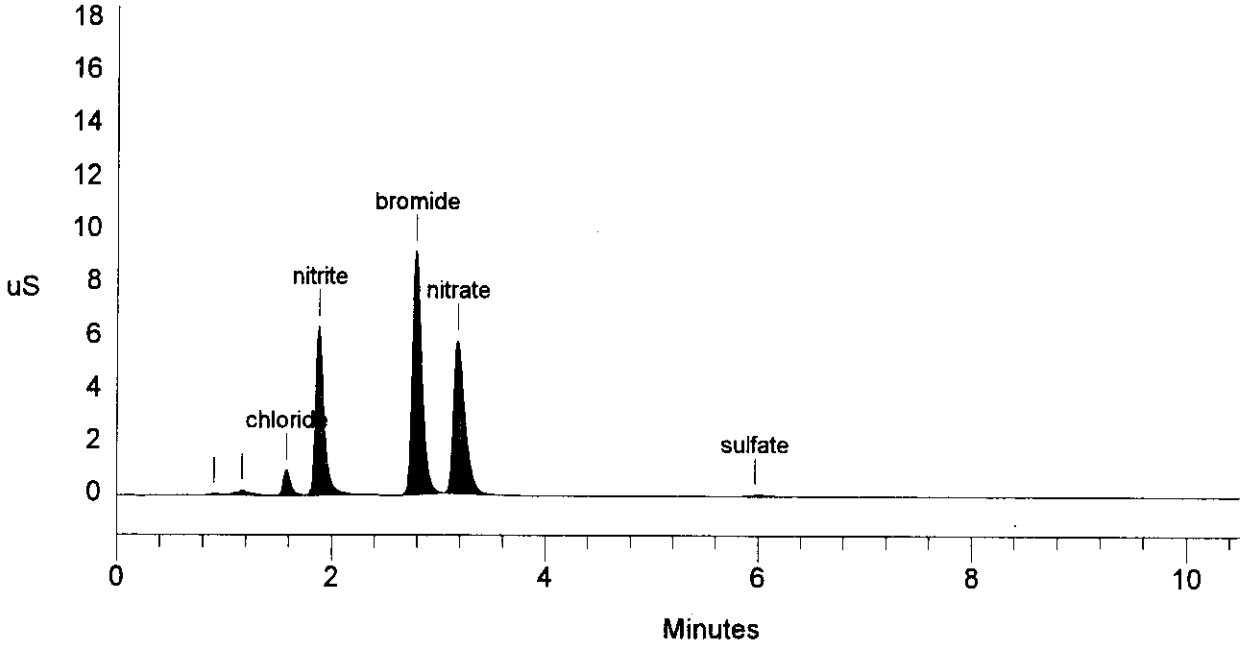
WHC-SD-WM-DP-184, REV.

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	2121	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	49	261	2	
2	1.17		0.000	188	1674	2	
3	1.58	chloride	781.280	981	4533	1	-1.25
4	1.88	nitrite	8191.038	6379	34516	1	-3.09
5	2.79	bromide	19167.996	9191	56030	1	0.60
6	3.18	nitrate	11471.705	5778	42393	1	-5.64
7	5.97	sulfate	638.900	56	792	1	-1.75
		Totals	40250.918	22621	140199		

File: 96041401.d27 Sample: S96T001121 DUP



✓

LABCORE Data Entry Template for Worklist# 8329

Analyst: DPB **Instrument:** IC00 IC01 **Book#** 133N9-F

Method: LA-533-105 **Rev/Mod** D-1

Worklist Comment: U-107 IC. RCJ

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	SAMPLE	S96T002034	0		@IC-01	LIQUID	96000126	U-107
		Analytes Requested: BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
4	DUP	S96T002034	0		@IC-01	LIQUID		
5	SPK	S96T002034	0		@IC-01	LIQUID		

Final page for worklist # 8329

Daniel P. Bromley 5/5/96 1600

Analyst Signature **Date**

Analyst Signature **Date**

Exported 8329 may.CSV
Jnshell 5/21/96 JMFuge
Uploaded 5/21/96

Data Entry Comments: 96050441.D01, D02, D06 → D08

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 8329

Analyst: dpb **Instrument:** IC01 **Book#** 13319-F

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-107 IC. RCJ

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1	<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1	<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1	<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1	<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1	1.83e-01	0.183	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01	5.96e+01	101.017	Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01	7.53e+01	95.316	Recovery
2	CCV			0	@IC-QC	NO2	QC	5.37e02	5.38e+02	100.186	Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02	5.74e+02	99.826	Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02	5.94e+02	96.743	Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02	5.49e+02	100.549	Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02	6.20e+02	98.257	Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.09e02	5.06e+02	99.411	Recovery
3	SAMPLE	S96T0	2034	0	@IC-01	F-02	LIQUID	N/A	1.468e+01	2.613	ug/mL
3	SAMPLE	S96T0	2034	0	@IC-01	CL-02	LIQUID	N/A	7.086e+01	3.417	ug/mL
3	SAMPLE	S96T0	2034	0	@IC-01	NO2-02	LIQUID	N/A	6.351e+02	21.510	ug/mL
3	SAMPLE	S96T0	2034	0	@IC-01	BR-02	LIQUID	N/A	7.576e+03	25.330	ug/mL
3	SAMPLE	S96T0	2034	0	@IC-01	NO3-02	LIQUID	N/A	2.670e+03	28.140	ug/mL
3	SAMPLE	S96T0	2034	0	@IC-01	PO4-02	LIQUID	N/A	5.210e+01	23.900	ug/mL
3	SAMPLE	S96T0	2034	0	@IC-01	SO4-02	LIQUID	N/A	1.192e+02	27.320	ug/mL
3	SAMPLE	S96T0	2034	0	@IC-01	OXALATE2	LIQUID	N/A	5.376e+01	21.110	ug/mL
4	DUP	S96T0	2034	0	@IC-01	F-02	LIQUID	1.47e+01	1.43e+01	2.759	RPD
4	DUP	S96T0	2034	0	@IC-01	CL-02	LIQUID	7.09e+01	7.13e+01	0.563	RPD
4	DUP	S96T0	2034	0	@IC-01	NO2-02	LIQUID	6.35e+02	6.28e+02	1.108	RPD
4	DUP	S96T0	2034	0	@IC-01	BR-02	LIQUID	7.58e+03	7.43e+03	1.999	RPD
4	DUP	S96T0	2034	0	@IC-01	NO3-02	LIQUID	2.67e+03	2.73e+03	2.222	RPD
4	DUP	S96T0	2034	0	@IC-01	PO4-02	LIQUID	5.21e+01	5.14e+01	1.353	RPD
4	DUP	S96T0	2034	0	@IC-01	SO4-02	LIQUID	1.19e+02	1.28e+02	7.287	RPD
4	DUP	S96T0	2034	0	@IC-01	OXALATE2	LIQUID	5.38e+01	5.03e+01	6.724	RPD
5	SPK	S96T0	2034	0	@IC-01	F-02	LIQUID	5.90e01	7.15e+01	121.186	Recovery
5	SPK	S96T0	2034	0	@IC-01	CL-02	LIQUID	7.90e01	7.56e+01	95.696	Recovery
5	SPK	S96T0	2034	0	@IC-01	NO2-02	LIQUID	5.37e02	5.61e+02	104.469	Recovery
5	SPK	S96T0	2034	0	@IC-01	BR-02	LIQUID	5.75e02	4.98e+02	86.609	Recovery
5	SPK	S96T0	2034	0	@IC-01	NO3-02	LIQUID	6.14e02	6.57e+02	107.003	Recovery
5	SPK	S96T0	2034	0	@IC-01	PO4-02	LIQUID	5.46e02	5.33e+02	97.619	Recovery
5	SPK	S96T0	2034	0	@IC-01	SO4-02	LIQUID	6.31e02	6.06e+02	96.038	Recovery
5	SPK	S96T0	2034	0	@IC-01	OXALATE2	LIQUID	5.09e02	4.94e+02	97.053	Recovery

Units shown for QC BLK/BKG may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8329

Seq Type	Sample# R A	Test	Matrix	Actual	Found	DL or Yield	Unit

Final page for worklist# 8329

Analyst Signature Date

Analyst Signature Date

Neil Smith 5/21/96
Reviewer Signature Date

Validated 5/21/96 NDS

Units shown for QC BLK/BKG may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 21-May-96

Worklist#: 8329

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	SAMPLE	S96T002034
=>	4	DUP	S96T002034
=>	5	SPK	S96T002034

Data File: 8329MAY.CSV

Seq#	Data File	Sample Name	Dilution
1	96050441.d01	ELUENT BLANK	1.00
2	96050441.d02	STD 133N9-F	101.00
	96050441.d03	S96T002034 SAM	5151.00
	96050441.d04	S96T002034 SAM	101.00
3	96050441.d06	S96T002034 SAM	201.00
4	96050441.d07	S96T002034 DUP	201.00
5	96050441.d08	S96T002034 SPK	201.00
	96050441.d09	S96T002034 SPK	4141.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 05/21/1996 11:31:49

Sample Name: ELUENT BLANK Date: 05/05/1996 11:00:26
Data File : C:\DX\DATA\96050441.d01
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 1 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

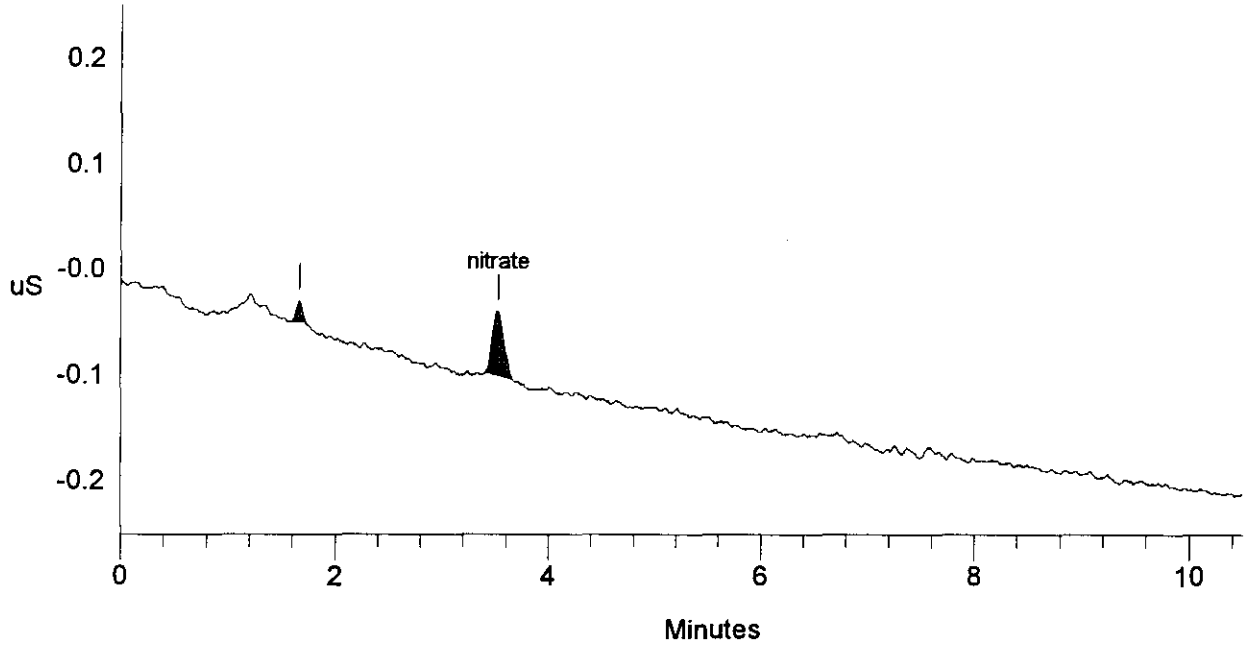
WHC-SD-WM-DP-184, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	3.53	nitrate	0.183	60	440	1	6.44
		Totals	0.183	60	440		

File: 96050441.d01 Sample: ELUENT BLANK



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 388 TO 392.

Data Reprocessed On 05/21/1996 11:31:52

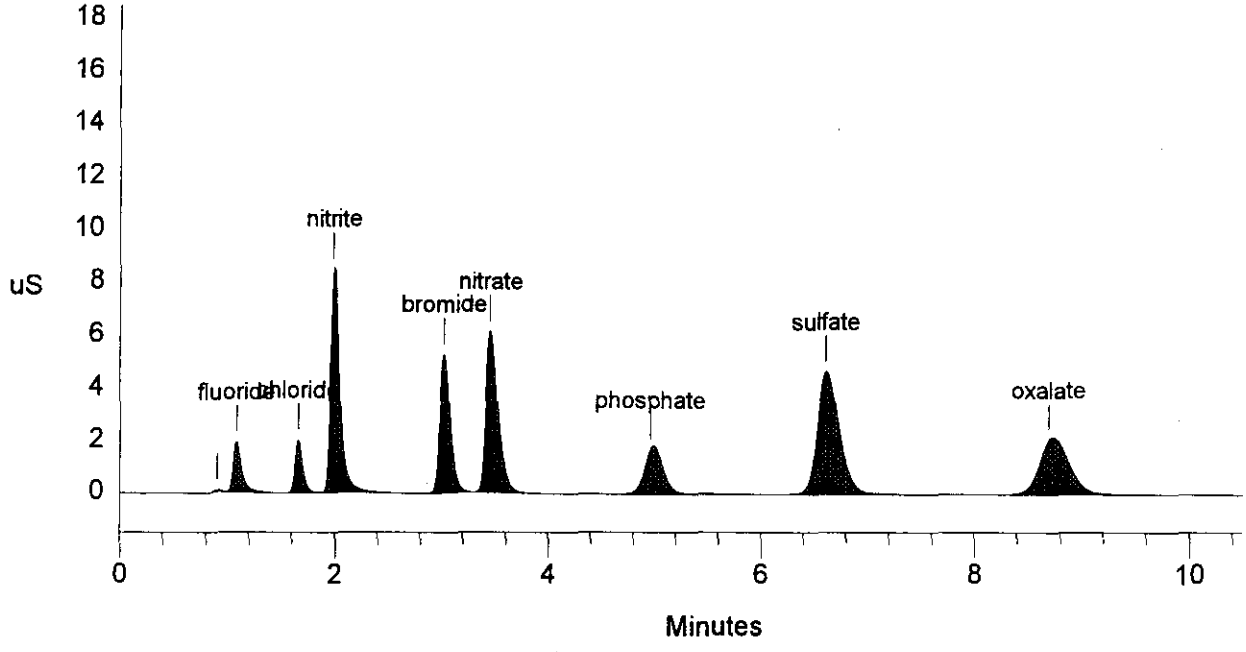
Sample Name: STD 133N9-F	Date: 05/05/1996 11:15:54
Data File : C:\DX\DATA\96050441.d02	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 2	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	85	431	2	
2	1.09	fluoride	59.553	1928	10668	2	1.88
3	1.66	chloride	75.325	2018	10044	1	0.40
4	1.99	nitrite	537.514	8468	49964	1	-0.99
5	3.02	bromide	573.831	5258	35819	1	2.03
6	3.45	nitrate	593.561	6097	48538	1	4.23
7	4.96	phosphate	548.755	1686	22394	1	0.54
8	6.61	sulfate	619.950	4658	66283	1	1.64
9	8.69	oxalate	506.350	2087	42362	1	1.88
		Totals	3514.838	32284	286503		

File: 96050441.d02 Sample: STD 133N9-F



Data Reprocessed On 05/21/1996 11:32:02

Sample Name: S96T002034 SAM Date: 05/05/1996 14:32:45
Data File : C:\DX\DATA\96050441.d06
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 6 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

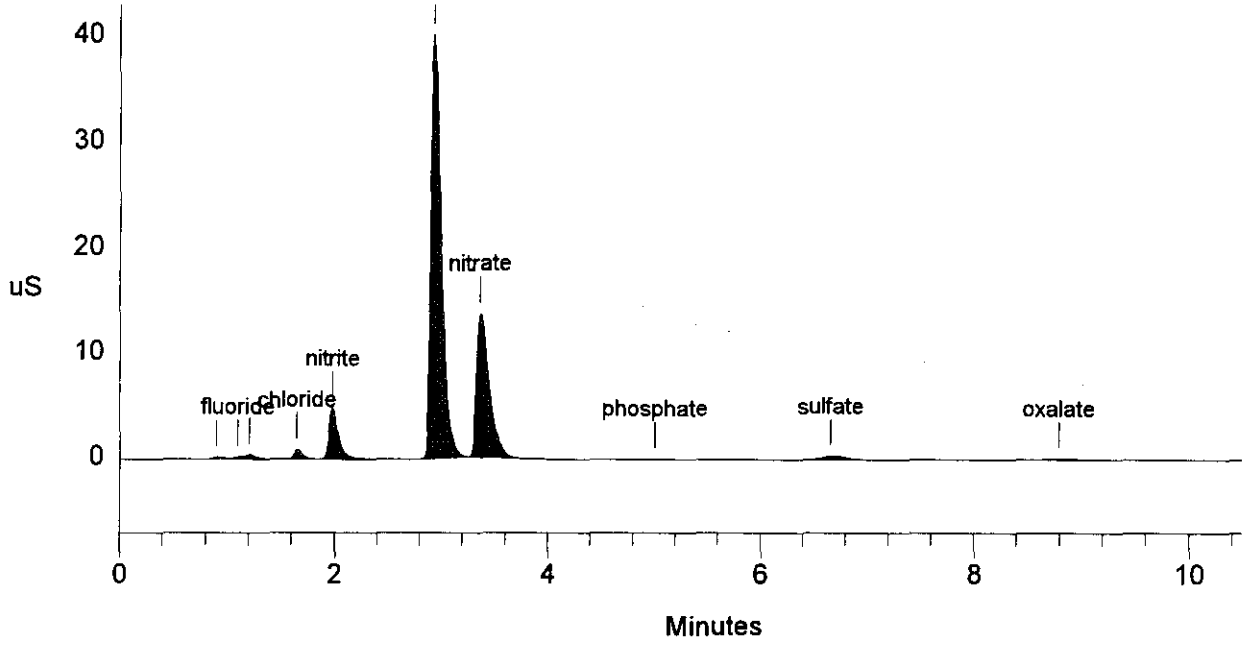
WHC-SD-WM-DP-184, REV.

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	201	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	156	912	2	
2	1.11	fluoride	14.678	221	1028	2	3.75
3	1.21		0.000	436	2886	2	
4	1.65	chloride	70.857	921	4713	1	0.00
5	1.99	nitrite	635.146	4877	29156	1	-1.32
6	2.93	bromide	7576.066	40160	275695	1	-0.90
7	3.37	nitrate	2669.955	13735	113274	1	1.61
8	5.01	phosphate	52.103	76	935	1	1.62
9	6.67	sulfate	119.163	361	5698	1	2.46
10	8.80	oxalate	53.757	90	1818	1	3.13
		Totals	11191.726	61032	436117		

File: 96050441.d06 Sample: S96T002034 SAM



Data Reprocessed On 05/21/1996 11:32:05

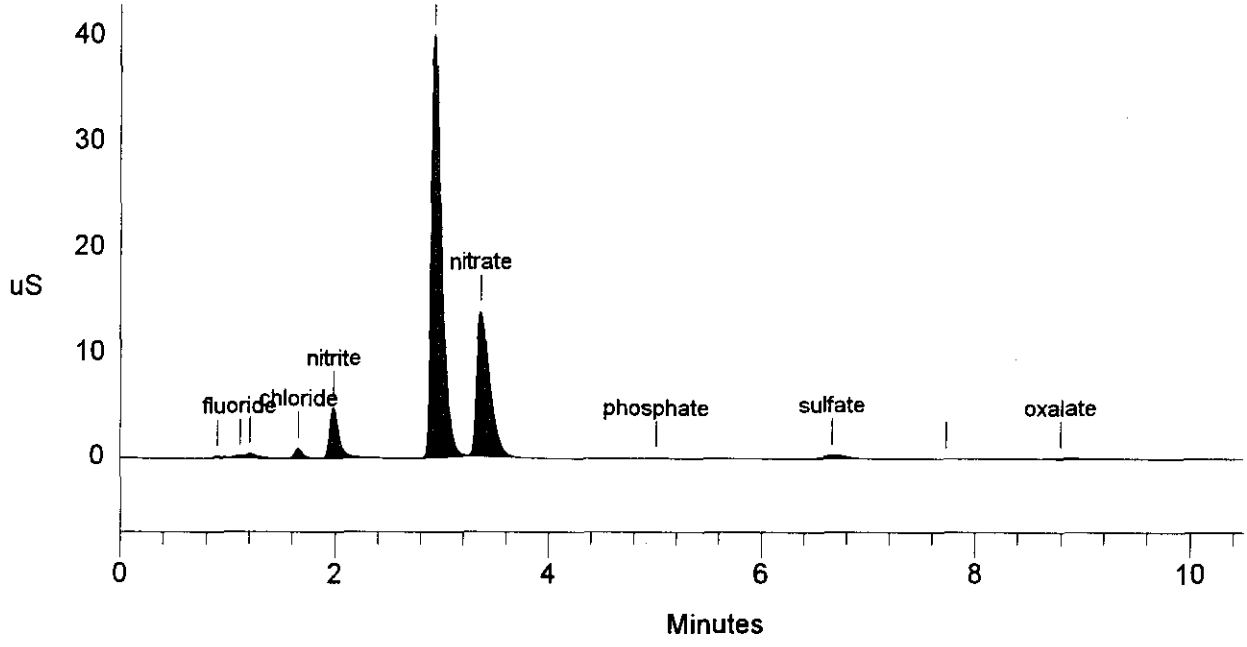
Sample Name: S96T002034 DUP Date: 05/05/1996 14:46:28
Data File : C:\DX\DATA\96050441.d07
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 7 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	201	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	156	902	2	
2	1.11	fluoride	14.288	218	993	2	4.37
3	1.21		0.000	428	2807	2	
4	1.66	chloride	71.314	943	4744	1	0.40
5	1.99	nitrite	628.066	4866	28819	1	-1.32
6	2.93	bromide	7427.037	40060	269211	1	-0.90
7	3.37	nitrate	2732.469	13749	116051	1	1.61
8	5.01	phosphate	51.442	73	921	1	1.62
9	6.67	sulfate	127.976	378	6169	1	2.46
10	7.73		0.000	17	431	1	
11	8.80	oxalate	50.312	89	1673	1	3.13
		Totals	11102.903	60976	432719		

File: 96050441.d07 Sample: S96T002034 DUP



Data Reprocessed On 05/21/1996 11:32:09

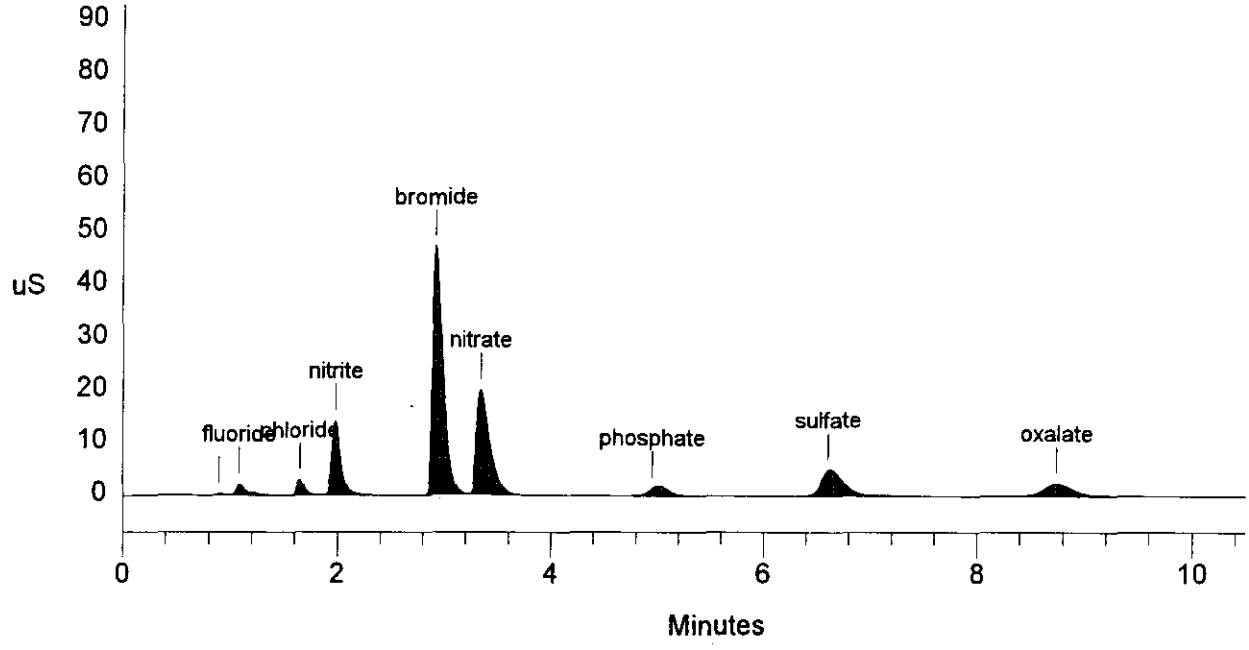
Sample Name: S96T002034 SPK	Date: 05/05/1996 14:59:54
Data File : C:\DX\DATA\96050441.d08	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 8	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	201	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	221	1167	2	
2	1.09	fluoride	157.606	2052	14387	2	1.88
3	1.65	chloride	222.007	2891	14974	1	0.00
4	1.99	nitrite	1757.022	14160	83283	1	-1.32
5	2.92	bromide	8571.066	46996	320647	1	-1.35
6	3.34	nitrate	3983.300	19828	172658	1	0.80
7	4.96	phosphate	1117.697	1478	22933	1	0.54
8	6.61	sulfate	1330.267	4843	71627	1	1.64
9	8.75	oxalate	1040.851	2297	43783	1	2.50
		Totals	18179.816	94767	745459		

File: 96050441.d08 Sample: S96T002034 SPK



LABCORE Data Entry Template for Worklist# 8351

Analyst: KBC **Instrument:** IC00 IC01 **Book#** 133N9-F

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: Rerun for Br. Use 41 df to get below project limit. JMF

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T001129	0	W	@IC-01	SOLID	96000126	U-107
		Analytes Requested:			BR-02			
5	DUP	S96T001129	0	W	@IC-01	SOLID		

Final page for worklist # 8351

Kathy B. Jones 5/9/96
Analyst Signature Date

Analyst Signature Date

Exported 8351 may, CSV

Onshell 5/13/96 JMF

Uploaded 5/30/96 JMF

Val. 5/30/96 JMF

Data Entry Comments:

96 05 0881.D07, 96050891.D08 → .D11

I had to hand enter the CCV since the file transfered with all zeros instead of the data. JMFuye

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 8351

Analyst: krq **Instrument:** IC01 **Book#** 133N9F

Method: LA-533-105 Rev/Mod D-7

Worklist Comment: Rerun for Br. Use 41 df to get below project limit. JMF

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1	<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1	<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1	<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1	<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1	<1.40e-1		ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01	5.71e+01	96.780	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01	7.35e+01	93.038	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.37e02	5.46e+02	101.676	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02	5.81e+02	101.043	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02	6.00e+02	97.720	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02	5.50e+02	100.733	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02	6.32e+02	100.158	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.09e02	5.13e+02	100.786	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1	<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1	<1.70e-2		ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1	<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1	<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1	<1.40e-1		ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1	<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1	<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1	<1.05e-1		ug/g
4	SAMPLE	S96T001129		0 W	@IC-01	BR-02	SOLID	N/A <	1.068e+03	1068.000	ug/g
5	DUP	S96T001129		0 W	@IC-01	BR-02	SOLID	<1.07e3	<1.08e3		RPD

Comments Section:

Comments for sample# S96T001129 **and test** @IC-01 .
Br < above project limit will ask pc if rerun needed. JMF

Final page for worklist# 8351

Analyst Signature **Date** **Analyst Signature** **Date**

Jann Fuge
5/30/96
Validated 5/30/96 JMF

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 30-May-96

Worklist#: 8351

		Seq	Type	Sample #
-	=>	1	CCB	
	=>	2	CCV	
	=>	3	BLNK-PREP	
	=>	4	SAMPLE	S96T001129
	=>	5	DUP	S96T001129
+				

Data File: 8351MAY.CSV

	Seq#	Data File	Sample Name	Dilution
-	1	96050881.d07	CCB	1.00
	2	96050881.d08	CCV 133N9-F	101.00
	3	96050881.d09	BLANK PREP	1.00
	4	96050881.d10	S96T001129 SAMPL	41.00
	5	96050881.d11	S96T001129 DUP	41.00
+				

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 05/24/1996 12:19:28

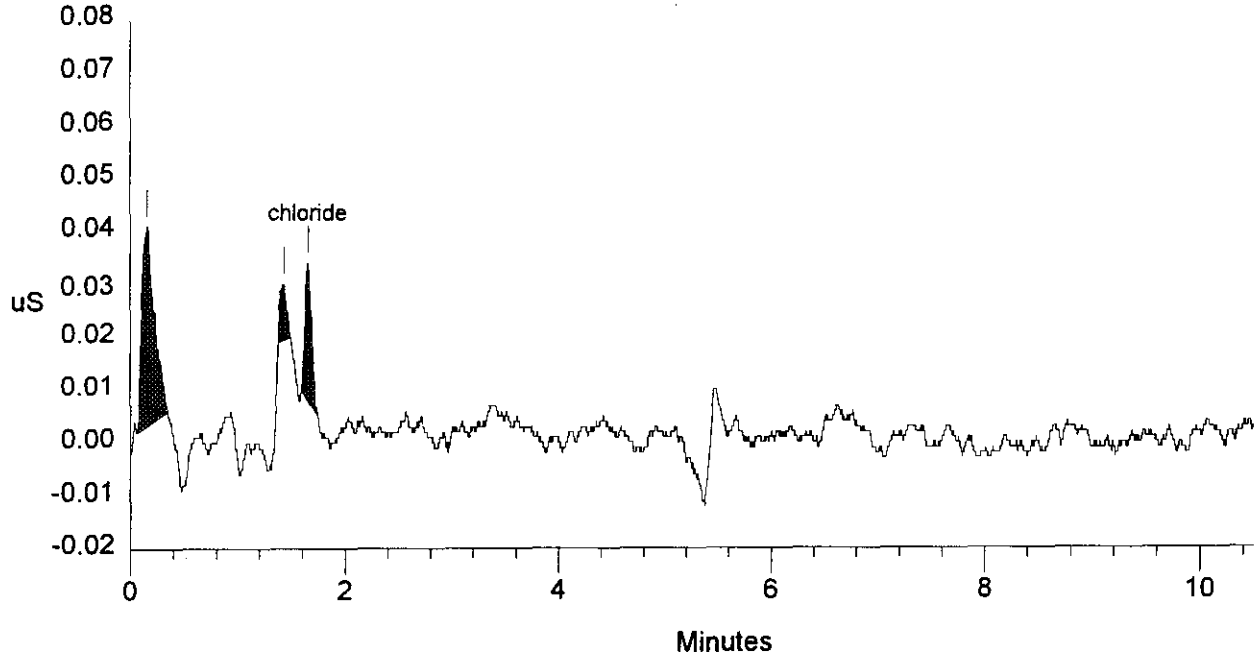
Sample Name: CCB
Date: 05/09/1996 01:03:41
Data File : C:\DX\DATA\96050881.d07
WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\AUTOMEL.met
ACI Address: 1 System: 1 Inject#: 7 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.16		0.000	38	307	1	
3	1.66	chloride	0.008	26	111	1	0.40
		Totals	0.008	64	417		

File: 96050881.d07 Sample: CCB



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 396 TO 400.

Data Reprocessed On 05/24/1996 12:19:30

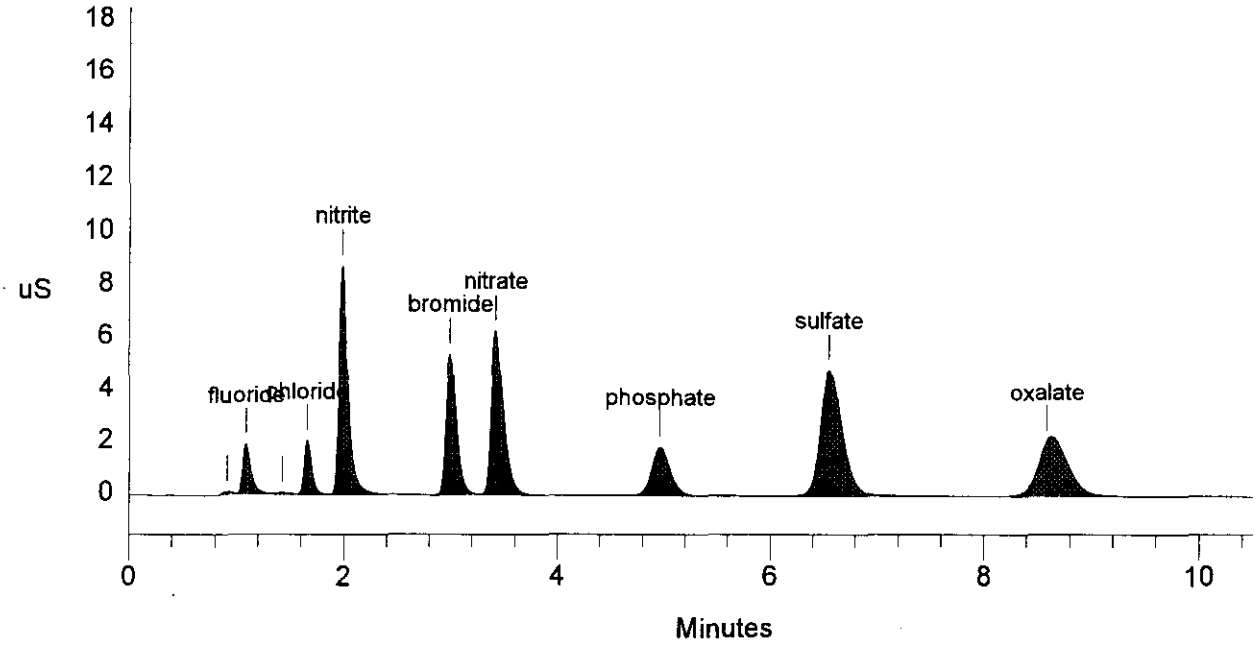
Sample Name: CCV 133N9-F	Date: 05/09/1996 02:50:25
Data File : C:\DX\DATA\96050891.d08	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 8	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	92	462	2	
2	1.09	fluoride	57.071	1869	10202	2	1.56
3	1.43		0.000	61	425	2	
4	1.65	chloride	73.523	2017	9800	1	0.00
5	1.99	nitrite	545.650	8713	50743	1	-1.32
6	2.99	bromide	580.821	5385	36271	1	1.13
7	3.42	nitrate	600.023	6248	49086	1	3.22
8	4.96	phosphate	549.906	1840	22443	1	0.54
9	6.56	sulfate	632.309	4806	67643	1	0.82
10	8.59	oxalate	512.617	2066	42896	1	0.63
		Totals	3551.919	33097	289971		

File: 96050891.d08 Sample: CCV 133N9-F



Data Reprocessed On 05/24/1996 12:19:33

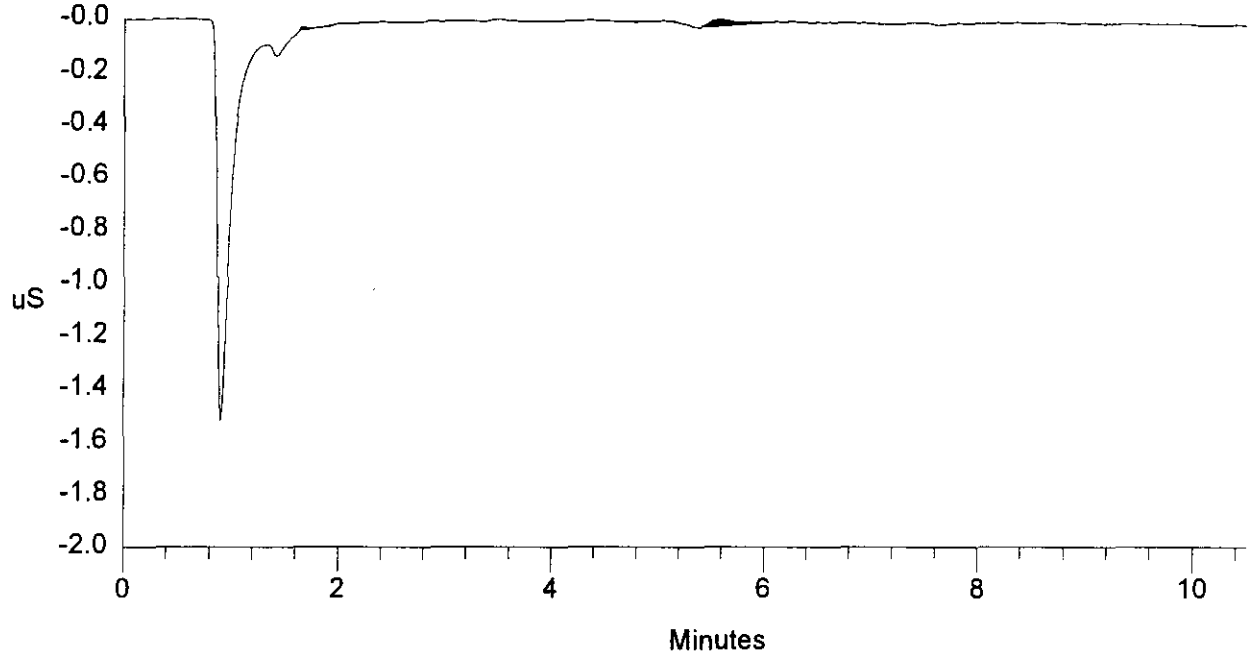
Sample Name: BLANK PREP	Date: 05/09/1996 03:03:38
Data File : C:\DX\DATA\96050891.d09	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 9	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
2	5.60		0.000	23	430	1	
		Totals	0.000	23	430		

File: 96050891.d09 Sample: BLANK PREP



Data Reprocessed On 05/24/1996 12:19:34

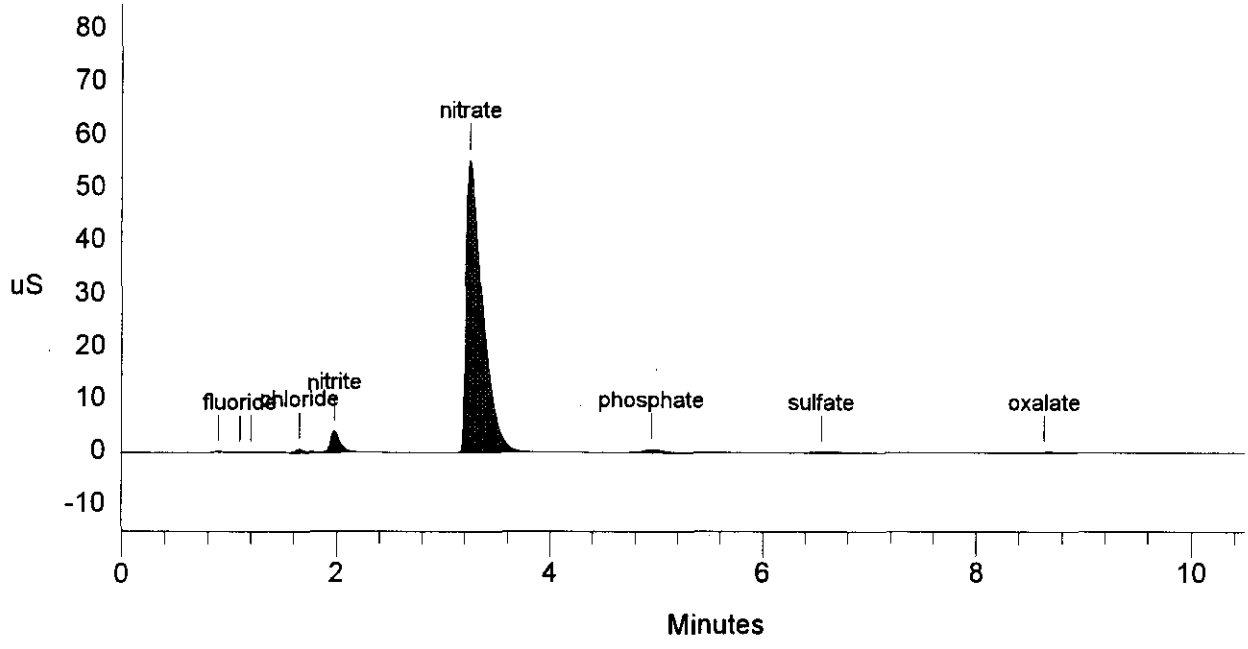
Sample Name: S96T001129 SAMPLE Date: 05/09/1996 03:16:50
Data File : C:\DX\DATA\96050891.d10
Method : C:\DX\METHOD\AUTOMEL.met WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 10 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	207	1204	2	
2	1.11	fluoride	1.217	54	235	2	3.43
3	1.21		0.000	106	601	2	
4	1.66	chloride	9.751	640	3173	1	0.40
5	1.99	nitrite	109.601	4041	24498	1	-1.32
6	3.25	nitrate	2406.263	55320	589619	1	-1.81
7	4.96	phosphate	77.559	601	7623	1	0.54
8	6.56	sulfate	14.357	175	3093	1	0.82
9	8.64	oxalate	16.738	145	3012	1	1.25
		Totals	2635.486	61289	633058		

File: 96050891.d10 Sample: S96T001129 SAMPLE



Data Reprocessed On 05/24/1996 12:19:37

Sample Name: S96T001129 DUP Date: 05/09/1996 03:30:02
Data File : C:\DX\DATA\96050891.d11
Method : C:\DX\METHOD\AUTOMEL.met
ACI Address: 1 System: 1 Inject#: 11 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

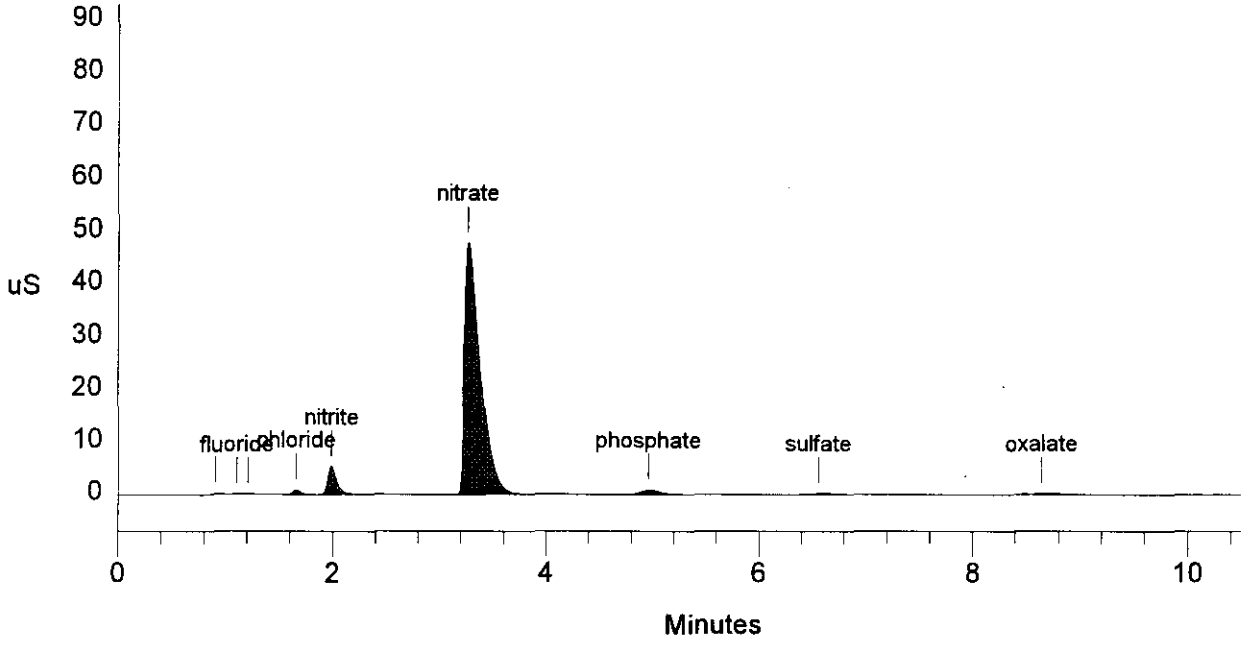
WHC-SD-WM-DP-184, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	201	1190	2	
2	1.11	fluoride	2.091	125	625	2	3.43
3	1.21		0.000	150	943	2	
4	1.66	chloride	13.459	882	4387	1	0.40
5	1.99	nitrite	141.723	5324	32000	1	-1.32
6	3.27	nitrate	2081.949	47742	493065	1	-1.41
7	4.96	phosphate	112.617	874	11157	1	0.54
8	6.56	sulfate	19.884	264	4540	1	0.82
9	8.64	oxalate	22.354	204	4174	1	1.25
		Totals	2394.076	55766	552080		

File: 96050891.d11 Sample: S96T001129 DUP



LABCORE Data Entry Template for Worklist# 8400

96 050851, D01, D04 96050881, D01-D06

Analyst: KB **Instrument:** IC00 IC01 **Book#** 133119-F

Method: LA-533-105 **Rev/Mod** D-1

Worklist Comment: Rerun Br, U-107, USE df 41 to get < below project limit.jmf

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T001071	0	W	@IC-01	SOLID	96000126	U-107
		Analytes Requested: BR-02						
5	DUP	S96T001071	0	W	@IC-01	SOLID		
6	SPK	S96T001071	0	W	@IC-01	SOLID		
7	SAMPLE	S96T001072	0	W	@IC-01	SOLID	96000126	U-107
		Analytes Requested: BR-02						
8	DUP	S96T001072	0	W	@IC-01	SOLID		

Final page for worklist # 8400

Analyst Signature **Date** 5/8/96

Analyst Signature **Date**

Exported 8400 may.csv Kathy used Std .D04
Onshell 5/13/96 JMF

Uploaded 5/16/96 JMFuge

Data Entry Comments:

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 8400

Analyst: krq **Instrument:** IC01 **Book#** 133N9F

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: Rerun Br, U-107, USE df 41 to get < below project limit.jmf

Seq	Type	Sample#	R	A		Test	Matrix	Actual		Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1		<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1		<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1		<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1		<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1		<1.40e-1		ug/mL
1	CCB			0	@IC-QC	PO4	QC	1		<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1		<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1		<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01		5.58e+01	94.576	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01		7.31e+01	92.532	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.37e02		5.38e+02	100.186	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02		5.47e+02	95.130	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02		5.91e+02	96.254	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02		5.29e+02	96.886	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02		6.11e+02	96.830	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.09e02		5.02e+02	98.625	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1		<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1		3.60e-02	0.036	ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1		<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1		<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1		<1.40e-1		ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1		<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1		<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1		<1.05e-1		ug/g
4	SAMPLE	S96T001071	0	W	@IC-01	BR-02	SOLID	N/A	<	9.413e+02	941.400	ug/g
5	DUP	S96T001071	0	W	@IC-01	BR-02	SOLID	<9.41e2		<9.40e2		RPD
6	SPK	S96T001071	0	W	@IC-01	BR-02	SOLID	5.75e02		5.11e+02	88.870	% Recovery
7	SAMPLE	S96T001072	0	W	@IC-01	BR-02	SOLID	N/A	<	1.053e+03	1053.000	ug/g
8	DUP	S96T001072	0	W	@IC-01	BR-02	SOLID	<1.05e3		<1.08e3		RPD

Final page for worklist# 8400

Analyst Signature **Date** **Analyst Signature** **Date**

Jann Fuge 5/14/96
Reviewer Signature **Date**

Validated 5/20/96 JMF

Units shown for QC (BLK/BKG) may not reflect the actual units.

Data Reprocessed On 05/13/1996 09:54:49

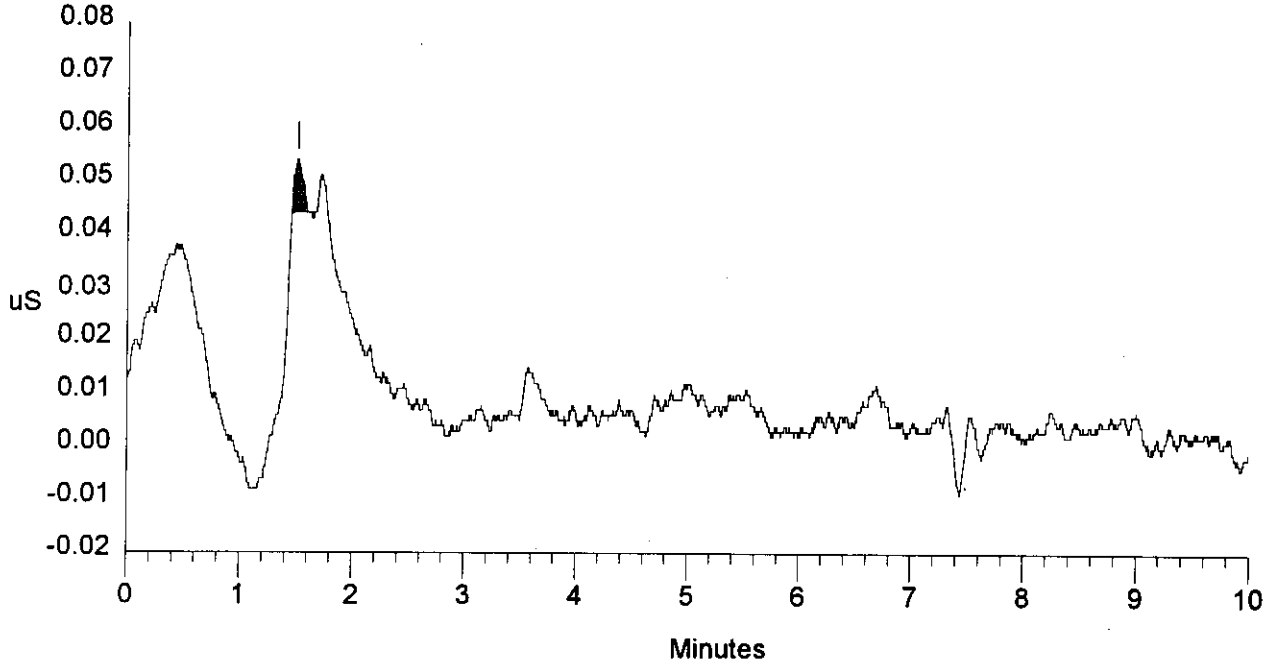
Sample Name: CCB	Date: 05/08/1996 02:03:04
Data File : C:\DX\DATA\96050851.d01	WHC-SD-WM-DP-184, REV.
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 1	Detector:CDM-1
Analyst : JMFuge for KRQ 5/20/96	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3000	5Hz	0.00	10.00	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
		Totals	0.000	0	0		

File: 96050851.d01 Sample: CCB



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 403 TO 410.

Data Reprocessed On 05/13/1996 09:54:56

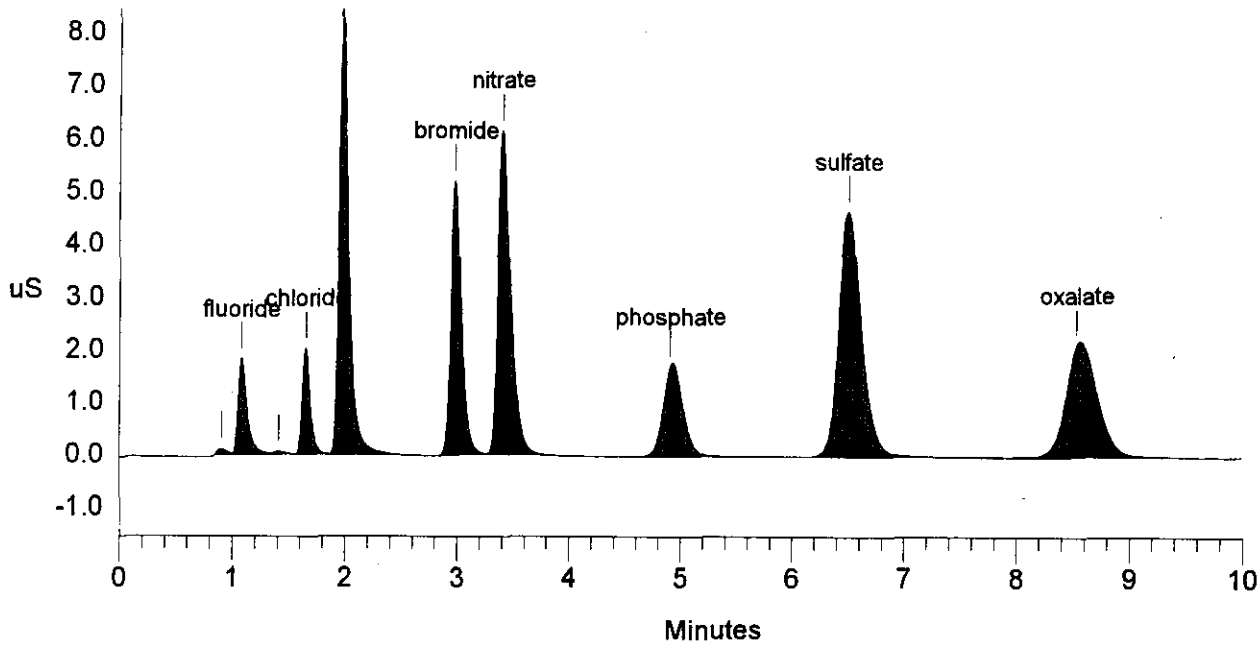
Sample Name: CCV 133N9-F	Date: 05/08/1996 02:42:25
Data File : C:\DX\DATA\96050851.d04	WHC-SD-WM-DP-184, REV.
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 4	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3000	5Hz	0.00	10.00		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	98	509	2	
2	1.08	fluoride	55.774	1812	9958	2	1.25
3	1.41		0.000	51	351	2	
4	1.65	chloride	73.082	2026	9741	1	0.00
5	1.98	nitrite	538.494	8436	50058	1	-1.66
6	2.98	bromide	546.726	5201	34068	1	0.68
7	3.41	nitrate	590.956	6132	48317	1	2.82
8	4.91	phosphate	528.564	1705	21551	1	-0.54
9	6.51	sulfate	611.213	4652	65322	1	0.00
10	8.53	oxalate	501.820	2128	41976	1	0.00
		Totals	3446.630	32241	281850		

File: 96050851.d04 Sample: CCV 133N9-F



Data Reprocessed On 05/13/1996 09:55:00

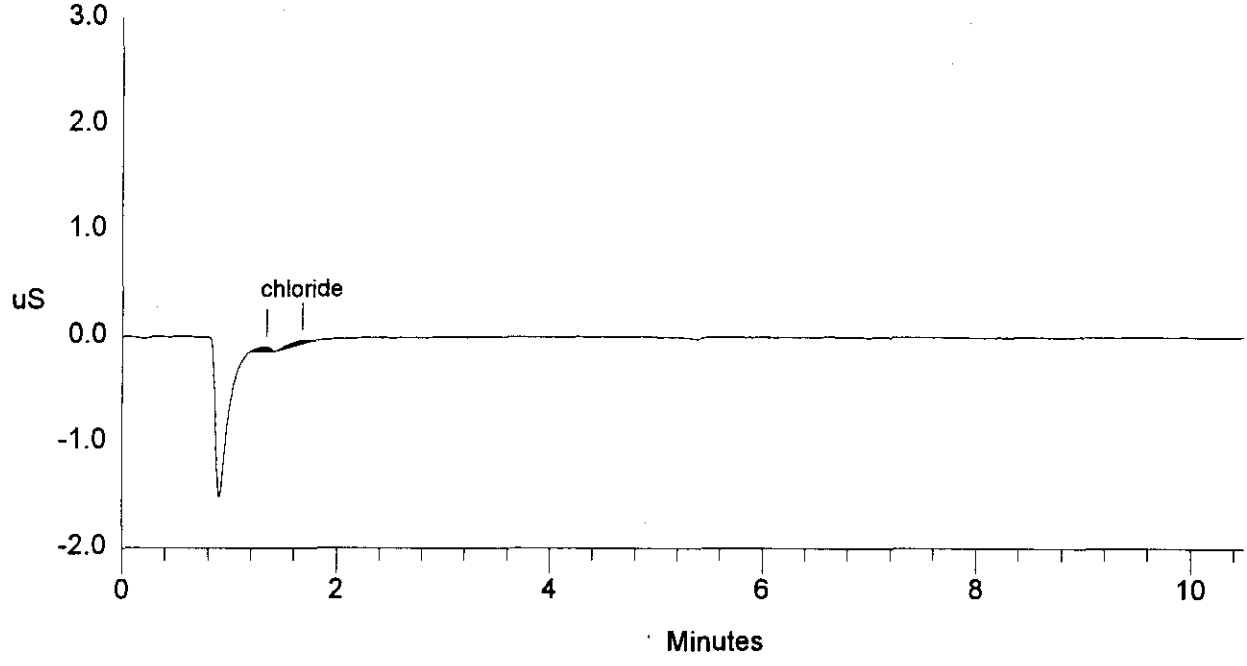
Sample Name: BLANK PREP	Date: 05/08/1996 03:30:45
Data File : C:\DX\DATA\96050881.d01	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 1	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	1.35		0.000	47	389	1	
2	1.68	chloride	0.036	33	477	1	1.61
		Totals	0.036	80	867		

File: 96050881.d01 Sample: BLANK PREP



Data Reprocessed On 05/13/1996 09:55:02

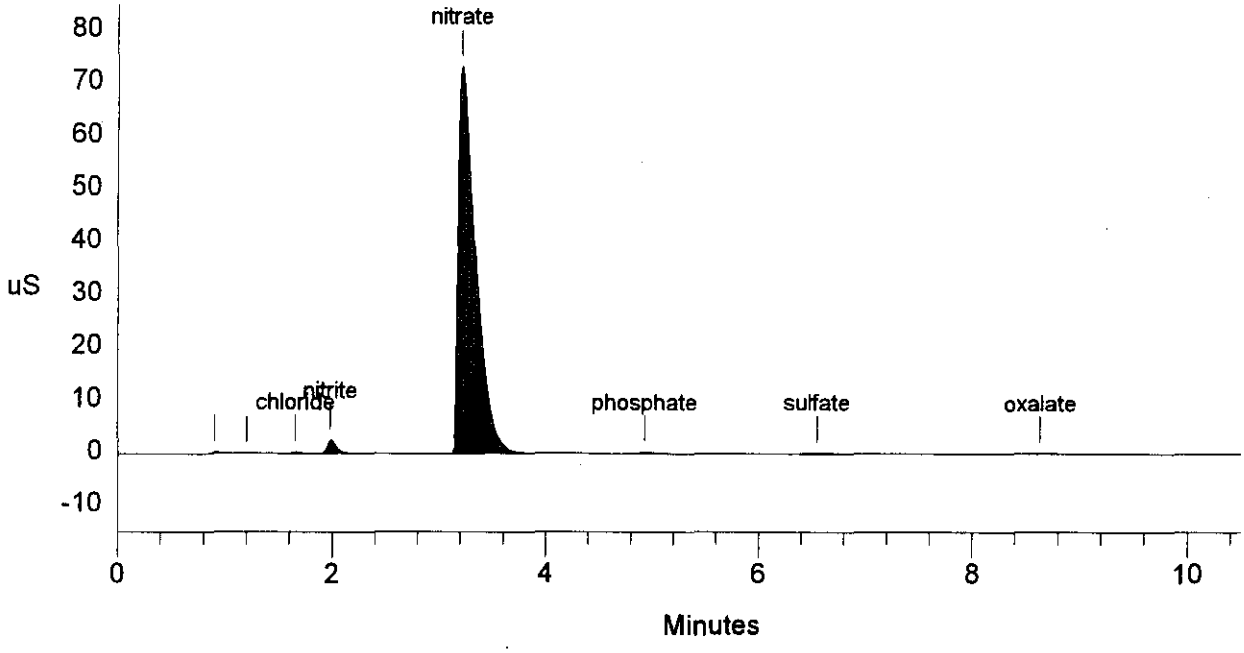
Sample Name: S96T001071 SAMPLE	Date: 05/08/1996 03:43:57
Data File : C:\DX\DATA\96050881.d02	WHC-SD-WM-DP-184, REV.
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 2	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	230	1352	1	
2	1.21		0.000	42	188	1	
3	1.66	chloride	5.784	357	1878	1	0.40
4	1.99	nitrite	70.858	2577	15484	1	-1.32
5	3.21	nitrate	3107.209	73181	834243	1	-3.02
6	4.93	phosphate	35.359	257	3398	1	0.00
7	6.56	sulfate	13.752	181	2935	1	0.82
8	8.64	oxalate	6.405	48	875	1	1.25
		Totals	3239.367	76873	860352		

File: 96050881.d02 Sample: S96T001071 SAMPLE



Data Reprocessed On 05/13/1996 09:55:04

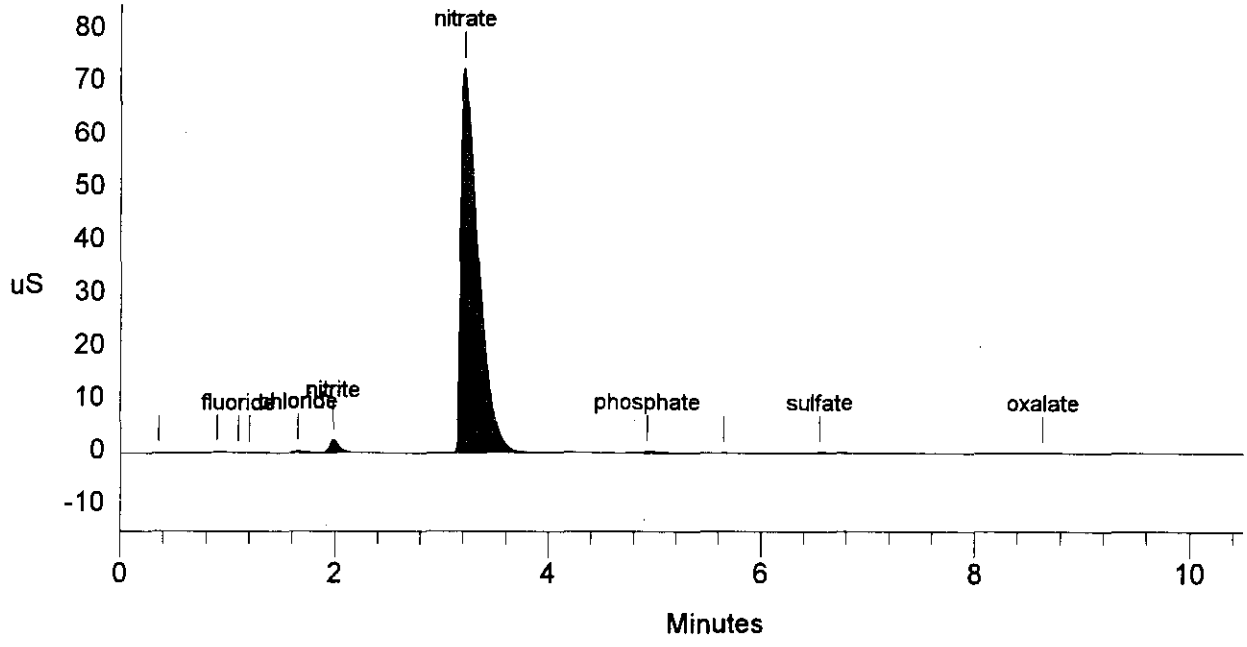
Sample Name: S96T001071 DUP	Date: 05/08/1996 03:57:09
Data File : C:\DX\DATA\96050881.d03	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 3	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.36		0.000	17	150	1	
2	0.91		0.000	215	1333	2	
3	1.11	fluoride	1.259	50	254	2	3.43
4	1.21		0.000	57	356	2	
5	1.66	chloride	5.093	325	1653	1	0.40
6	1.99	nitrite	67.662	2467	14742	1	-1.32
7	3.21	nitrate	3097.441	72599	830363	1	-3.02
8	4.93	phosphate	41.338	294	3994	1	0.00
9	5.65		0.000	38	714	1	
10	6.56	sulfate	12.104	164	2504	1	0.82
11	8.64	oxalate	6.028	45	797	1	1.25
		Totals	3230.926	76271	856861		

File: 96050881.d03 Sample: S96T001071 DUP



Data Reprocessed On 05/13/1996 09:55:07

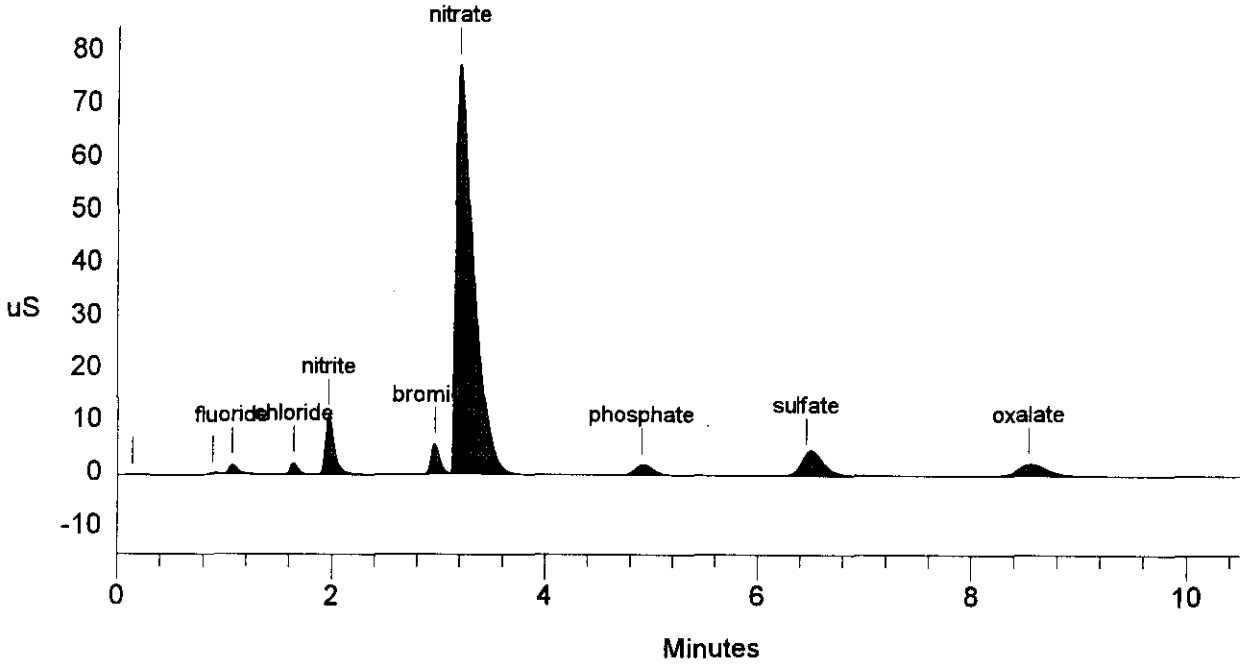
Sample Name: S96T001071 SPIKE Date: 05/08/1996 04:10:23
Data File : C:\DX\DATA\96050881.d04 WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\AUTOMEL.met
ACI Address: 1 System: 1 Inject#: 4 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.14		0.000	46	391	1	
2	0.89		0.000	242	1245	2	
3	1.07	fluoride	23.897	1809	10539	2	-0.31
4	1.64	chloride	34.324	2262	11294	1	-0.81
5	1.97	nitrite	287.629	11258	66401	1	-1.99
6	2.96	bromide	204.211	5716	31253	1	0.00
7	3.19	nitrate	3259.879	77358	897321	1	-3.62
8	4.91	phosphate	246.628	2005	24858	1	-0.54
9	6.45	sulfate	253.244	3919	66712	1	-0.82
10	8.53	oxalate	205.775	2186	42410	1	0.00
		Totals	4515.587	106801	1152423		

File: 96050881.d04 Sample: S96T001071 SPIKE



Data Reprocessed On 05/13/1996 09:55:09

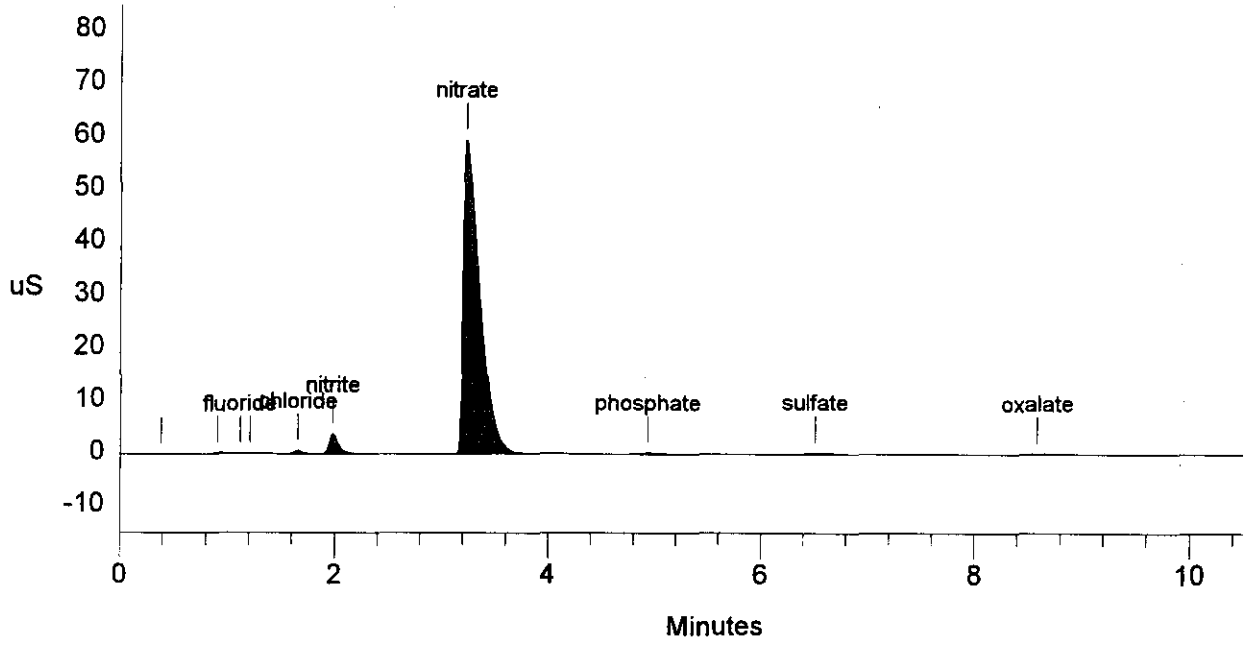
Sample Name: S96T001072 SAMPLE	Date: 05/08/1996 04:23:35
Data File : C:\DX\DATA\96050881.d05	WHC-SD-WM-DP-184, REV.1
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 5	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.38		0.000	16	134	1	
2	0.91		0.000	202	1259	2	
3	1.11	fluoride	1.304	58	274	2	4.05
4	1.21		0.000	102	609	2	
5	1.65	chloride	9.448	621	3074	1	0.00
6	1.98	nitrite	102.540	3803	22853	1	-1.66
7	3.23	nitrate	2577.464	59368	644135	1	-2.41
8	4.93	phosphate	32.769	262	3139	1	0.00
9	6.51	sulfate	22.242	314	5157	1	0.00
10	8.59	oxalate	9.804	87	1578	1	0.63
		Totals	2755.570	64832	682211		

File: 96050881.d05 Sample: S96T001072 SAMPLE



Data Reprocessed On 05/13/1996 09:55:11

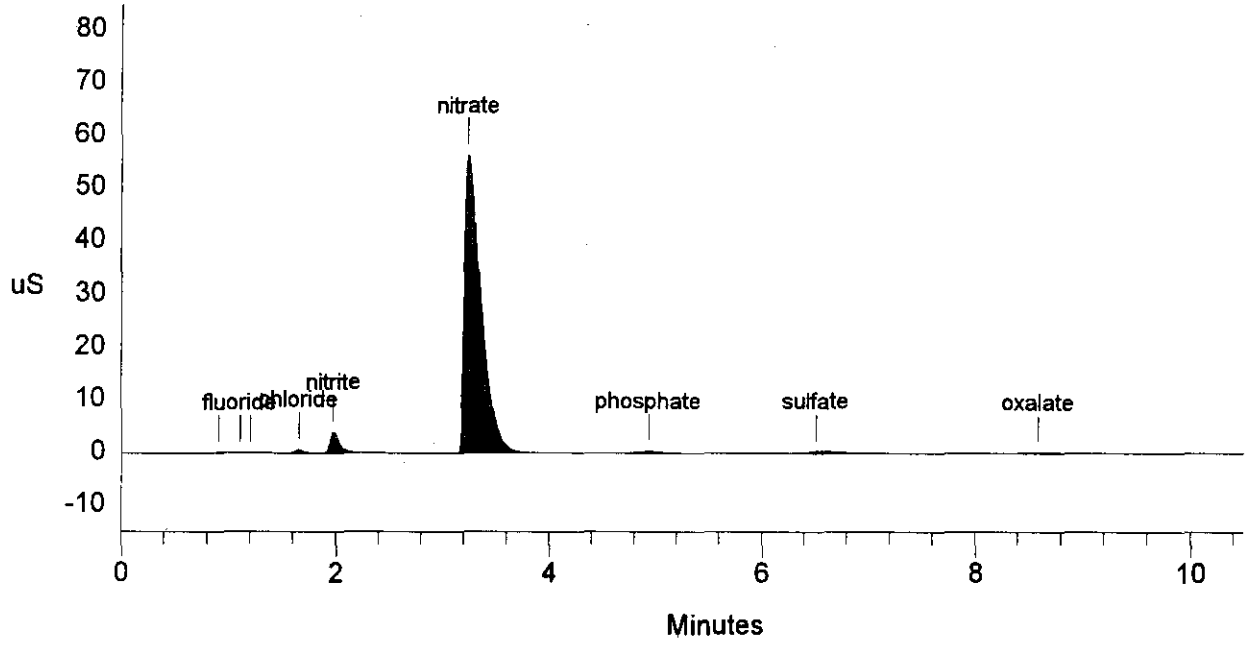
Sample Name: S96T001072 DUP Date: 05/08/1996 04:36:47
Data File : C:\DX\DATA\96050881.d06 WHC-SD-WM-DP-184, REV.
Method : C:\DX\METHOD\AUTOMEL.met
ACI Address: 1 System: 1 Inject#: 6 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	198	1223	2	
2	1.11	fluoride	1.542	80	380	2	3.43
3	1.20		0.000	109	713	2	
4	1.65	chloride	10.129	666	3296	1	0.00
5	1.98	nitrite	107.240	3966	23948	1	-1.66
6	3.24	nitrate	2449.989	56201	603286	1	-2.21
7	4.93	phosphate	43.436	336	4204	1	0.00
8	6.51	sulfate	26.783	388	6347	1	0.00
9	8.59	oxalate	10.939	102	1813	1	0.63
		Totals	2650.058	62046	645210		

File: 96050881.d06 Sample: S96T001072 DUP



LABCORE Data Entry Template for Worklist# 8432

Analyst: KBQ **Instrument:** IC00 _____ **Book#** 136N9-A

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-107 IC. RCJ

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	SAMPLE	S96T002140	0		@IC-01	LIQUID	96000422	U-107
		Analytes Requested:			BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02			
4	DUP	S96T002140	0		@IC-01	LIQUID		
5	SPK	S96T002140	0		@IC-01	LIQUID		
6	SAMPLE	S96T002141	0		@IC-01	LIQUID	96000422	U-107
		Analytes Requested:			BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02			
7	DUP	S96T002141	0		@IC-01	LIQUID		

Final page for worklist # 8432

[signature] 5/26/96
Analyst Signature **Date**

Analyst Signature **Date**

8432 may.csv
Inshell
NO_3 too high in all samples should be re run at 10201 for NO_3. JMF
NO_3 rejected, rest validated. 6/10/96 JMFuge

DATA NOT USED IN PACKAGE
[initials] 7/16/96

Data Entry Comments: 96052651.D01 → D10

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 8432

Analyst: krq **Instrument:** IC01 **Book#** 136194

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-107 IC. RCJ

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1		<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1		<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1		<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1		<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1		1.70e-01	0.170	ug/mL
1	CCB			0	@IC-QC	PO4	QC	1		<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1		<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1		<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01		6.09e+01	103.220	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01		7.43e+01	94.051	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.48e02		5.40e+02	98.540	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02		5.51e+02	95.826	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02		5.97e+02	97.231	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02		5.34e+02	97.802	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02		6.21e+02	98.415	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.15e02		5.13e+02	99.612	% Recovery
3	SAMPLE	S96T002140		0	@IC-01	F-02	LIQUID	N/A	<	5.383e+01	53.830	ug/mL
3	SAMPLE	S96T002140		0	@IC-01	CL-02	LIQUID	N/A		9.068e+03	70.400	ug/mL
3	SAMPLE	S96T002140		0	@IC-01	NO2-02	LIQUID	N/A		1.136e+05	443.100	ug/mL
3	SAMPLE	S96T002140		0	@IC-01	BR-02	LIQUID	N/A	<	5.218e+02	521.800	ug/mL
3	SAMPLE	S96T002140		0	@IC-01	PO4-02	LIQUID	N/A		4.050e+03	492.400	ug/mL
3	SAMPLE	S96T002140		0	@IC-01	SO4-02	LIQUID	N/A		7.247e+03	562.800	ug/mL
3	SAMPLE	S96T002140		0	@IC-01	OXALATE2	LIQUID	N/A		5.752e+02	434.800	ug/mL
4	DUP	S96T002140		0	@IC-01	F-02	LIQUID	<5.38e1		<5.38e1		RPD
4	DUP	S96T002140		0	@IC-01	CL-02	LIQUID	9.07e+03		7.65e+03	16.986	RPD
4	DUP	S96T002140		0	@IC-01	NO2-02	LIQUID	1.14e+05		9.63e+04	16.833	RPD
4	DUP	S96T002140		0	@IC-01	BR-02	LIQUID	<5.22e2		<5.22e2		RPD
4	DUP	S96T002140		0	@IC-01	NO3-02	LIQUID	2.59e+05		2.25e+05	14.050	RPD
4	DUP	S96T002140		0	@IC-01	PO4-02	LIQUID	4.05e+03		3.03e+03	28.814	RPD
4	DUP	S96T002140		0	@IC-01	SO4-02	LIQUID	7.25e+03		5.92e+03	20.197	RPD
4	DUP	S96T002140		0	@IC-01	OXALATE2	LIQUID	5.75e+02		5.05e+02	12.963	RPD
5	SPK	S96T002140		0	@IC-01	F-02	LIQUID	5.90e01		5.19e+01	87.966	% Recovery
5	SPK	S96T002140		0	@IC-01	CL-02	LIQUID	7.90e01		5.15e+01	65.190	% Recovery
5	SPK	S96T002140		0	@IC-01	NO2-02	LIQUID	5.48e02		2.74e+02	50.000	% Recovery
5	SPK	S96T002140		0	@IC-01	BR-02	LIQUID	5.75e02		5.23e+02	90.957	% Recovery
5	SPK	S96T002140		0	@IC-01	NO3-02	LIQUID	6.14e02		-8.46e1	-13.779	% Recovery
5	SPK	S96T002140		0	@IC-01	PO4-02	LIQUID	5.46e02		5.01e+02	91.758	% Recovery
5	SPK	S96T002140		0	@IC-01	SO4-02	LIQUID	6.31e02		5.89e+02	93.344	% Recovery
5	SPK	S96T002140		0	@IC-01	OXALATE2	LIQUID	5.15e02		5.08e+02	98.641	% Recovery
6	SAMPLE	S96T002141		0	@IC-01	F-02	LIQUID	N/A	<	5.383e+01	53.830	ug/mL
6	SAMPLE	S96T002141		0	@IC-01	CL-02	LIQUID	N/A		9.323e+03	70.400	ug/mL

Units shown for QC (BLK/BKG) may not reflect the actual units.

WHC-SD-WM-DP-184, REV. 1

LABCORE Completed Worklist Report for Worklist# 8432

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
6	SAMPLE	S96T002141		0	@IC-01	NO2-02	LIQUID	N/A		1.136e+05	443.100	ug/mL
6	SAMPLE	S96T002141		0	@IC-01	BR-02	LIQUID	N/A	<	5.218e+02	521.800	ug/mL
6	SAMPLE	S96T002141		0	@IC-01	PO4-02	LIQUID	N/A		3.730e+03	492.400	ug/mL
6	SAMPLE	S96T002141		0	@IC-01	SO4-02	LIQUID	N/A		7.021e+03	562.800	ug/mL
6	SAMPLE	S96T002141		0	@IC-01	OXALATE2	LIQUID	N/A		5.552e+02	434.800	ug/mL
7	DUP	S96T002141		0	@IC-01	F-02	LIQUID	<5.38e1		<5.38e1		RPD
7	DUP	S96T002141		0	@IC-01	CL-02	LIQUID	9.32e+03		9.72e+03	4.202	RPD
7	DUP	S96T002141		0	@IC-01	NO2-02	LIQUID	1.14e+05		1.16e+05	1.739	RPD
7	DUP	S96T002141		0	@IC-01	BR-02	LIQUID	<5.22e2		<5.22e2		RPD
7	DUP	S96T002141		0	@IC-01	NO3-02	LIQUID	2.62e+05		2.63e+05	0.381	RPD
7	DUP	S96T002141		0	@IC-01	PO4-02	LIQUID	3.73e+03		4.65e+03	21.957	RPD
7	DUP	S96T002141		0	@IC-01	SO4-02	LIQUID	7.02e+03		7.33e+03	4.321	RPD
7	DUP	S96T002141		0	@IC-01	OXALATE2	LIQUID	5.55e+02		6.37e+02	13.758	RPD

Comments Section:

Comments for sample# S96T002140 **and test** @IC-01 .
NO3 over curve must be rerun. jmf

Comments for sample# S96T002141 **and test** @IC-01 .
NO3 over curve must be rerun. jmf

Final page for worklist# 8432

Analyst Signature **Date** **Analyst Signature** **Date**

[illegible] 6/10/96
Reviewer Signature **Date**

Validated 6/10/96 JMF

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 10-Jun-96

Worklist#: 8432

	Seq	Type	Sample #
=>	1	CCB	
=>	2	CCV	
=>	3	SAMPLE	S96T002140
=>	4	DUP	S96T002140
=>	5	SPK	S96T002140
=>	6	SAMPLE	S96T002141
=>	7	DUP	S96T002141

Data File: 8432MAY.CSV

Seq#	Data File	Sample Name	Dilution
1	96052651.d01	CCB	1.00
	96052651.d02	CCV 136N9-A	101.00
	96052651.d03	CCV 136N9-A	101.00
2	96052651.d04	CCV 136N9-A	101.00
3	96052651.d05	S96T002140	4141.00
	96052651.d06	S96T002140 DUP	4141.00
5	96052651.d07	S96T002140 SPIK	4141.00
6	96052651.d08	S96T002141	4141.00
7	96052651.d09	S96T002141 DUP	4141.00
4	96052651.d10	S96T002140	4141.00

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 05/28/1996 10:59:03

Sample Name: CCB
Date: 05/26/1996 19:42:16
Data File : C:\DX\DATA\96052651.d01
Method : C:\DX\METHOD\KIT.MET
WHC-SD-WM-DP-184, REV.
ACI Address: 1 System: 1 Inject#: 1 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

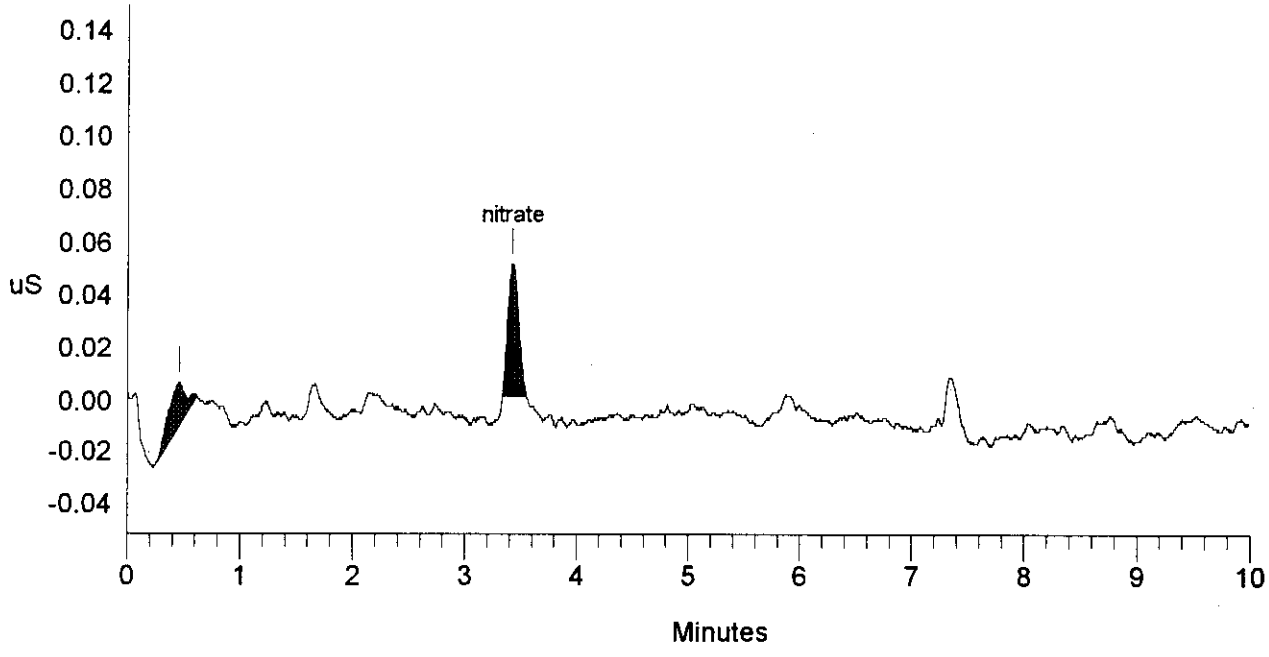
KRB 6/11/96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3000	5Hz	0.00	10.00		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.46		0.000	16	186	1	
2	3.43	nitrate	0.170	50	337	1	3.42
		Totals	0.170	66	524		

File: 96052651.d01 Sample: CCB



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 415 TO 423

Data Reprocessed On 05/28/1996 10:59:11

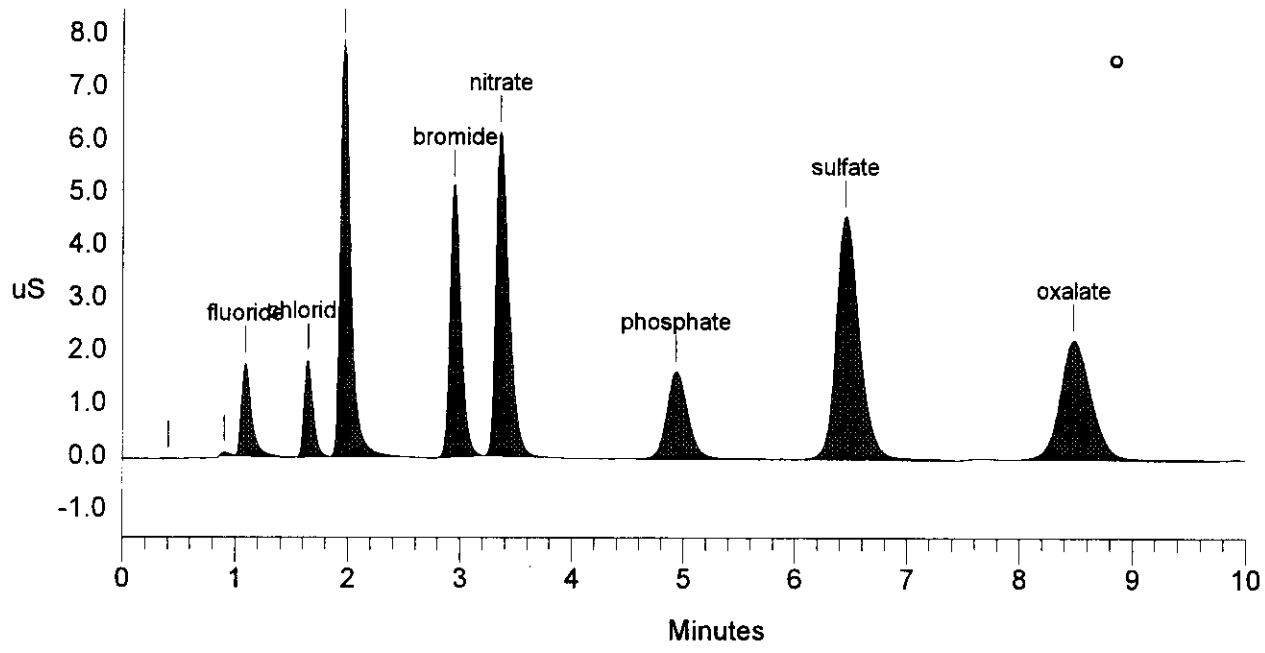
Sample Name: CCV 136N9-A
Date: 05/26/1996 21:59:57
Data File : C:\DX\DATA\96052651.d04
WHC-SD-WM-DP-184, REV. (
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 4 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3000	5Hz	0.00	10.00	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.41		0.000	16	116	1	
2	0.90		0.000	70	369	2	
3	1.09	fluoride	60.876	1755	10917	2	2.50
4	1.65	chloride	74.256	1820	9899	1	-0.40
5	1.97	nitrite	539.619	7831	50166	1	-2.32
6	2.95	bromide	551.095	5116	34350	1	-0.45
7	3.36	nitrate	596.639	6120	48799	1	1.41
8	4.93	phosphate	533.993	1645	21778	1	0.00
9	6.45	sulfate	621.223	4592	66423	1	-0.82
10	8.48	oxalate	513.283	2252	42953	1	-0.62
		Totals	3490.985	31217	285769		

File: 96052651.d04 Sample: CCV 136N9-A



Data Reprocessed On 05/28/1996 10:59:14

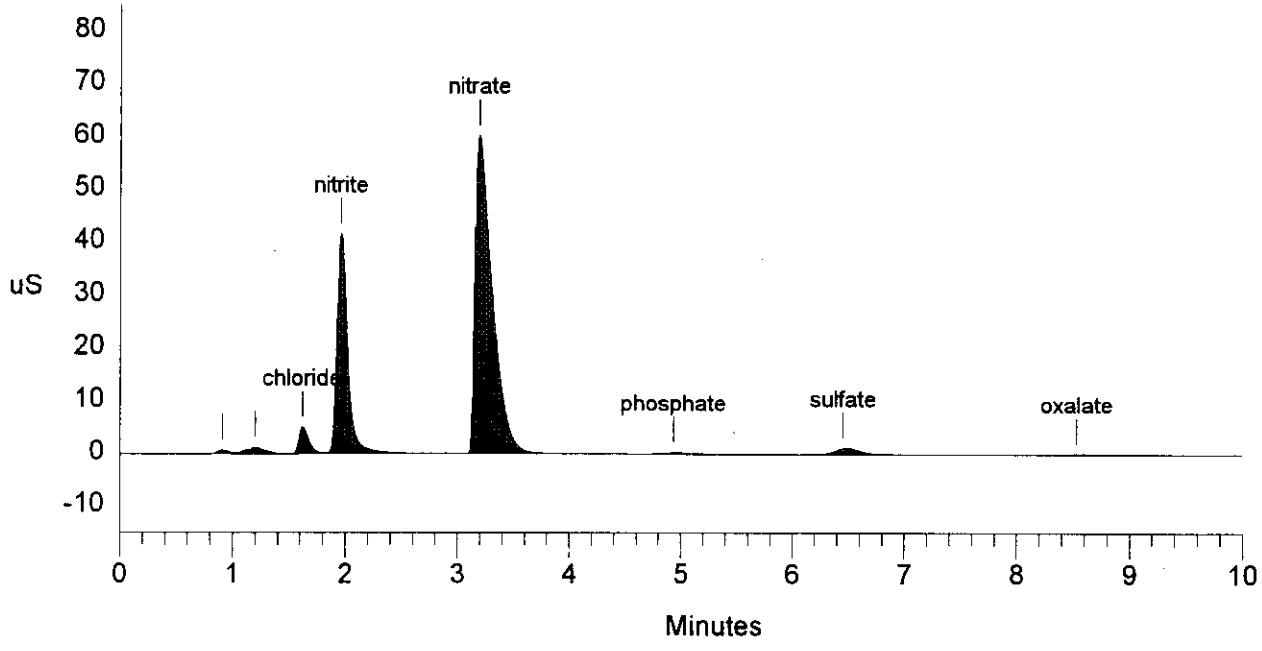
Sample Name: S96T002140	Date: 05/26/1996 22:12:39
Data File : C:\DX\DATA\96052651.d05	WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 5	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	4141	3000	5Hz	0.00	10.00		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	561	3667	2	
2	1.20		0.000	1230	13264	2	
3	1.62	chloride	9067.709	5054	30310	1	-2.02
4	1.96	nitrite	113601.442	41394	275342	1	-2.65
5	3.19	nitrate	258800.971	60119	639222 ovd	1	-3.62
6	4.93	phosphate	4049.823	279	3871	1	0.00
7	6.45	sulfate	7247.124	1070	18174	1	-0.82
8	8.53	oxalate	575.229	36	729	1	0.00
		Totals	393342.299	109744	984577		

File: 96052651.d05 Sample: S96T002140



Data Reprocessed On 05/28/1996 10:59:16 not used

Sample Name: S96T002140 DUP
Data File : C:\DX\DATA\96052651.d06
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 6
Analyst : Column: AG4A/AS4A anion column

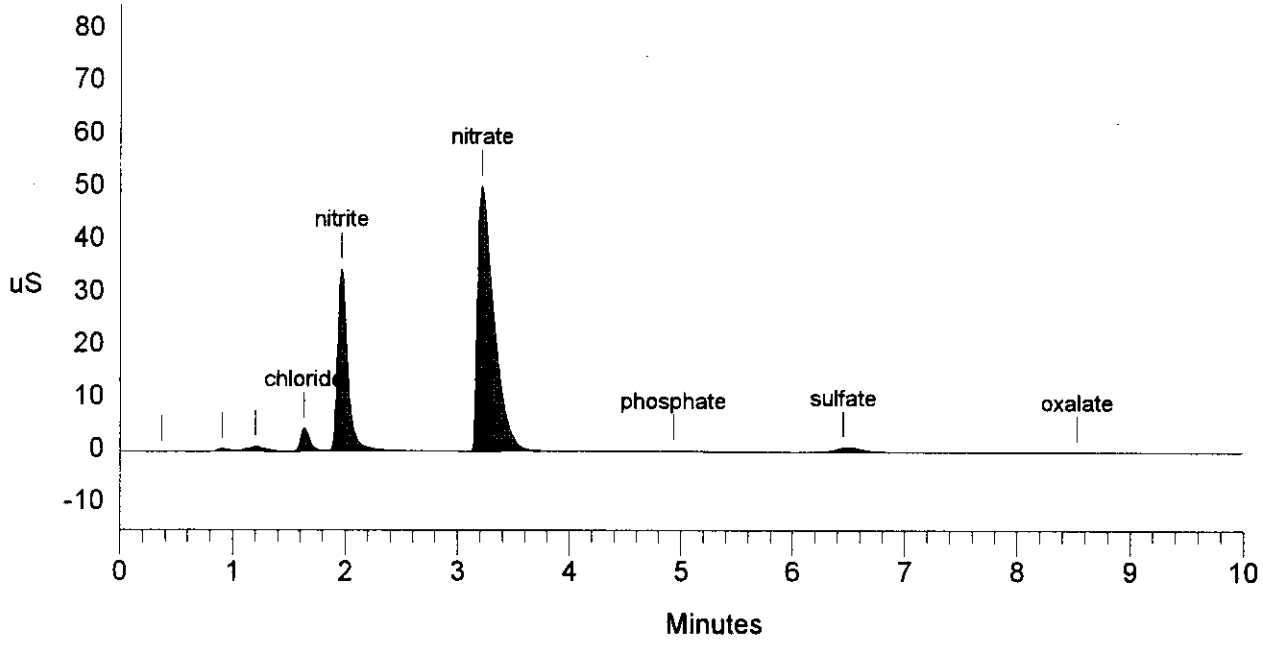
Date: 05/26/1996 22:27:03
WHC-SD-WM-DP-184, REV. 1
Detector:CDM-1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	4141	3000	5Hz	0.00	10.00	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.37		0.000	16	102	1	
2	0.91		0.000	462	3049	2	
3	1.20		0.000	962	10123	2	
4	1.63	chloride	7372.218	4392	24446	1	-1.21
5	1.97	nitrite	91219.556	34644	217937	1	-2.32
6	3.22	nitrate	217219.271	50287	512874 not	1	-2.82
7	4.93	phosphate	2948.720	214	2783	1	0.00
8	6.45	sulfate	5897.377	839	14651	1	-0.82
9	8.53	oxalate	510.426	27	596	1	0.00
		Totals	325167.568	91843	786562		

File: 96052651.d06 Sample: S96T002140 DUP



Data Reprocessed On 05/28/1996 10:59:19

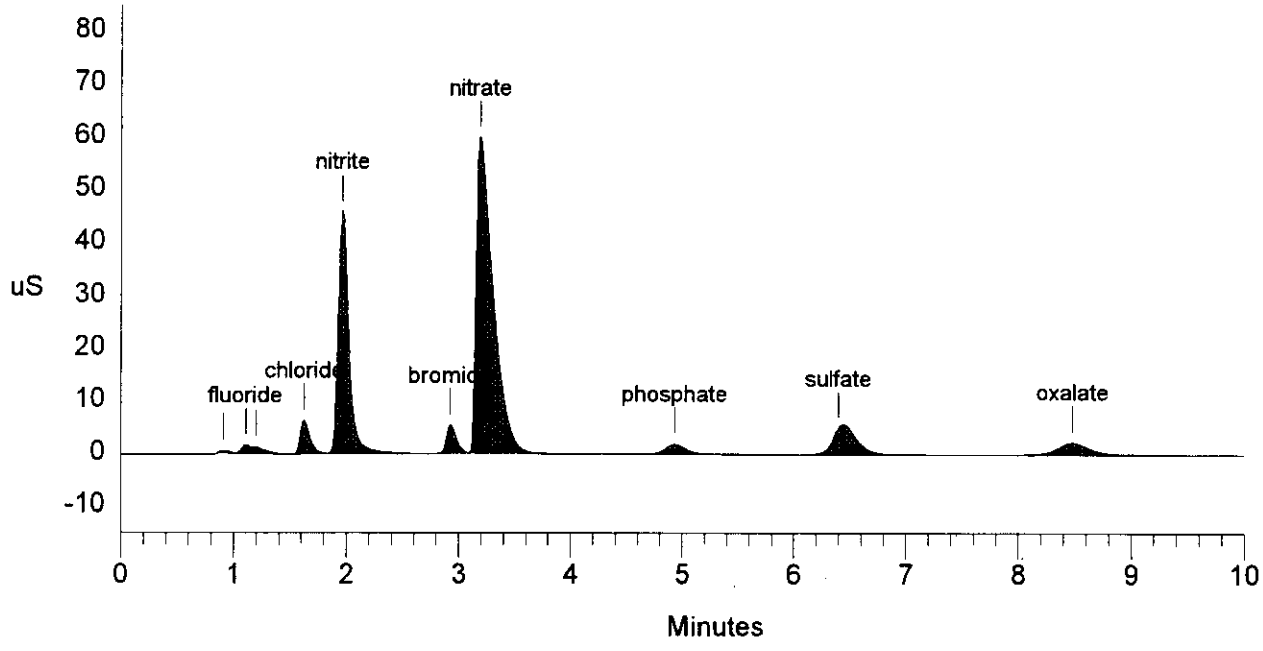
Sample Name: S96T002140 SPIKE	Date: 05/26/1996 22:41:38
Data File : C:\DX\DATA\96052651.d07	
Method : C:\DX\METHOD\KIT.MET	WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 7	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	4141	3000	5Hz	0.00	10.00		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	525	3105	2	
2	1.11	fluoride	2093.424	1677	9076	2	3.75
3	1.20		0.000	1289	9697	2	
4	1.63	chloride	11145.154	6373	37631	1	-1.61
5	1.97	nitrite	124647.967	45738	304299	1	-2.32
6	2.93	bromide	21073.247	5337	31956	1	-1.13
7	3.19	nitrate	255390.513	59694	628299	1	-3.62
8	4.93	phosphate	24232.834	1880	24165	1	0.00
9	6.40	sulfate	30977.083	4857	81267	1	-1.64
10	8.48	oxalate	21066.524	2247	42999	1	-0.62
		Totals	490626.747	129616	1172493		

File: 96052651.d07 Sample: S96T002140 SPIKE



Data Reprocessed On 05/28/1996 10:59:22

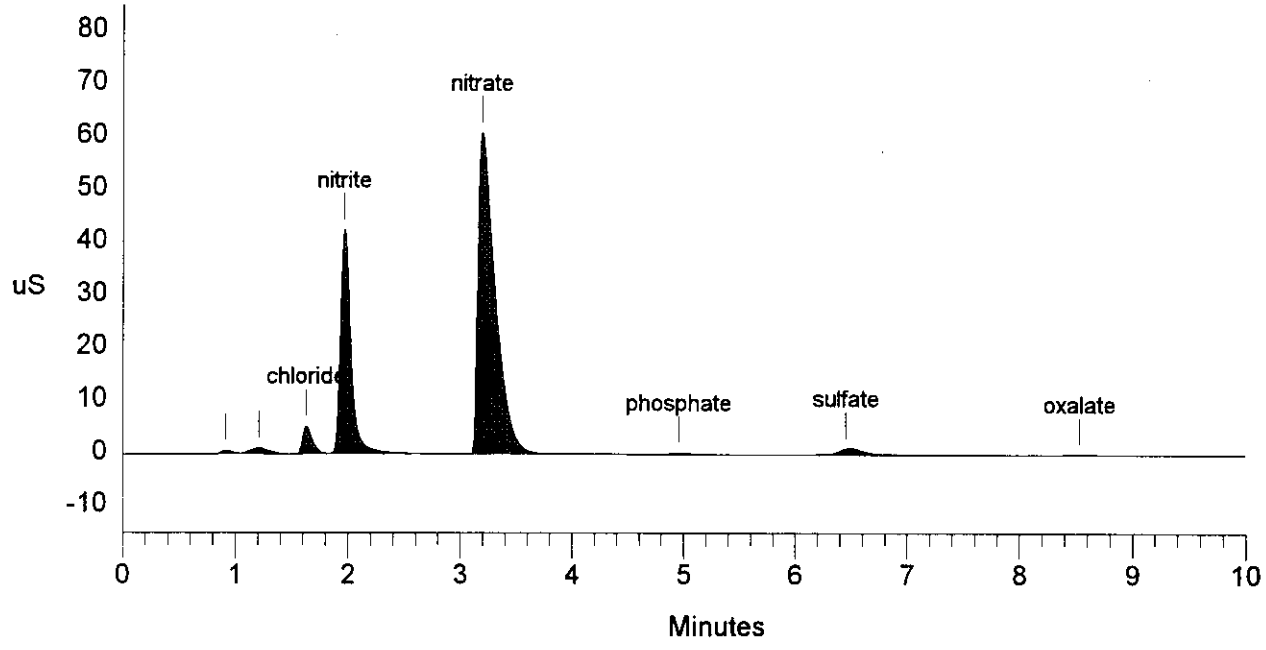
Sample Name: S96T002141	Date: 05/26/1996 23:04:40
Data File : C:\DX\DATA\96052651.d08	WHC-SD-WM-DP-184, REV.
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 8	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	4141	3000	5Hz	0.00	10.00		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	545	3659	2	
2	1.21		0.000	1241	13470	2	
3	1.63	chloride	9322.892	5207	31201	1	-1.61
4	1.97	nitrite	113608.128	42299	275359	1	-2.32
5	3.19	nitrate	262050.370	60697	649734	1	-3.62
6	4.96	phosphate	3729.756	267	3554	1	0.54
7	6.45	sulfate	7020.888	1062	17583	1	-0.82
8	8.53	oxalate	555.241	41	688	1	0.00
		Totals	396287.276	111360	995248		

File: 96052651.d08 Sample: S96T002141



Data Reprocessed On 05/28/1996 10:59:24

Sample Name: S96T002141 DUP Date: 05/26/1996 23:18:29
Data File : C:\DX\DATA\96052651.d09
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 9 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

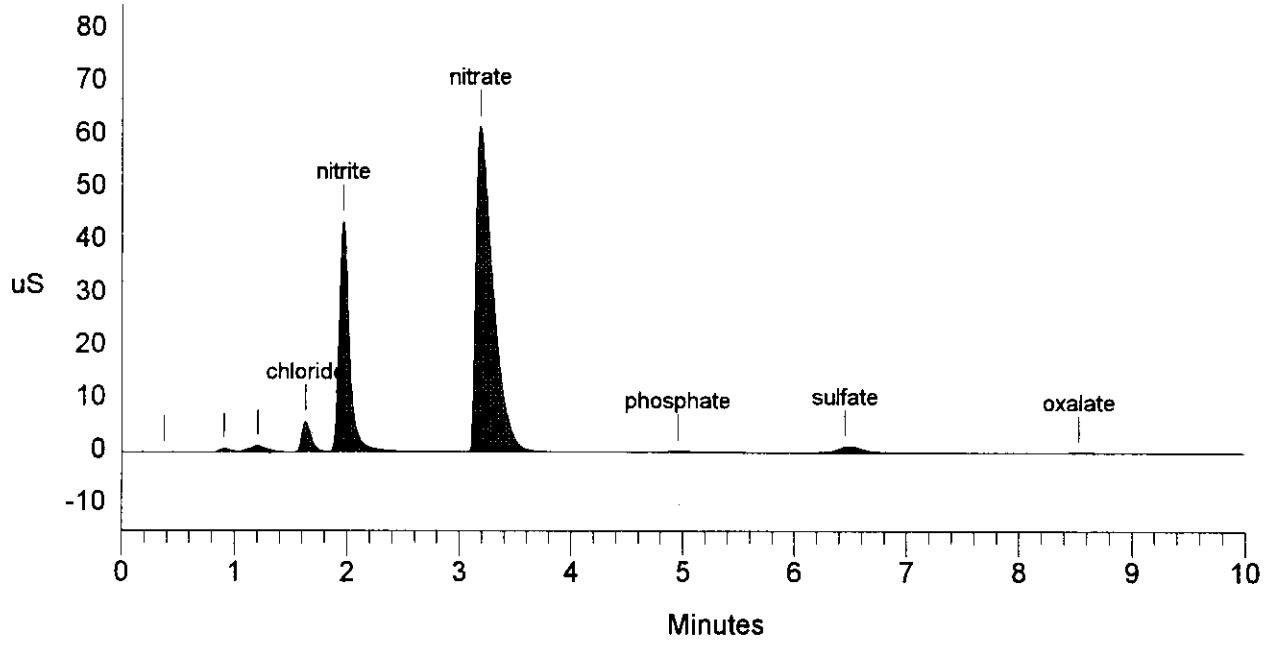
WHC-SD-WM-DP-184, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	4141	3000	5Hz	0.00	10.00		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.38		0.000	15	103	1	
2	0.91		0.000	563	3571	2	
3	1.21		0.000	1216	12402	2	
4	1.63	chloride	9724.308	5791	32607	1	-1.21
5	1.97	nitrite	115512.423	43619	280321	1	-2.32
6	3.19	nitrate	263174.454	61715	653395 mt	1	-3.82
7	4.96	phosphate	4647.027	284	4461	1	0.54
8	6.45	sulfate	7326.667	1097	18382	1	-0.82
9	8.53	oxalate	637.292	42	856	1	0.00
		Totals	401022.170	114340	1006097		

File: 96052651.d09 Sample: S96T002141 DUP



Data Reprocessed On 05/28/1996 10:59:27

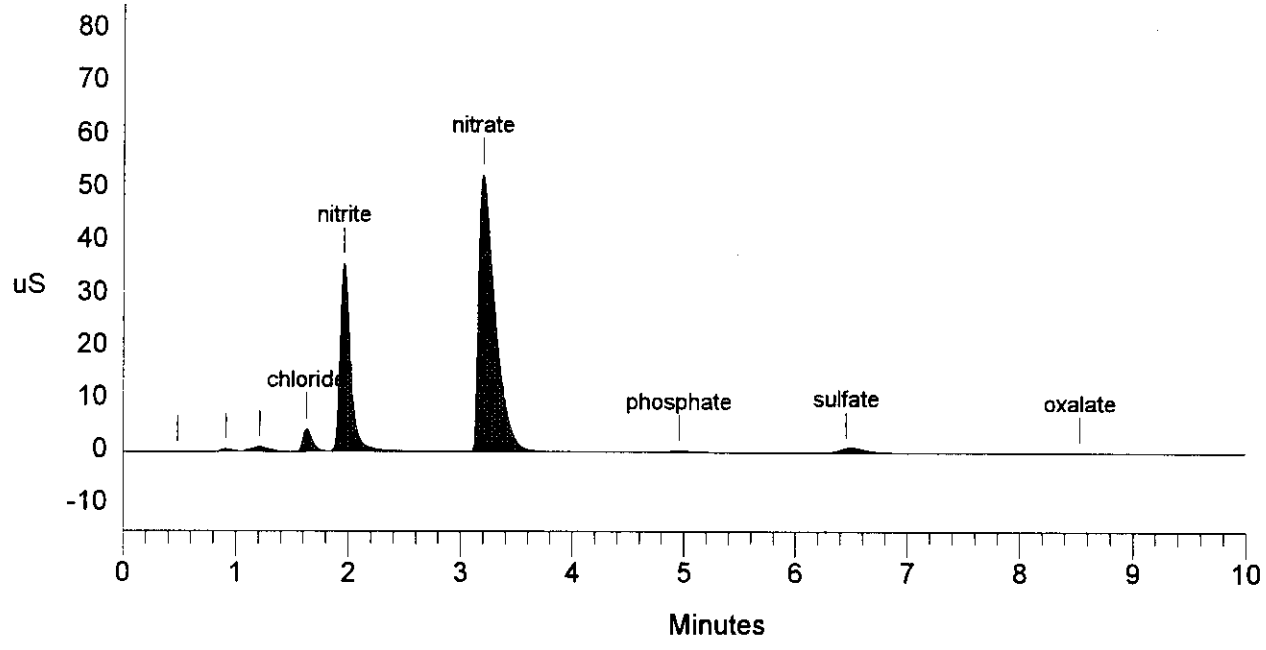
Sample Name: S96T002140 Date: 05/26/1996 23:32:54
Data File : C:\DX\DATA\96052651.d10 WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 10 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	4141	3000	5Hz	0.00	10.00		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.48		0.000	18	227	1	
2	0.91		0.000	445	2938	2	
3	1.21		0.000	1038	11058	2	
4	1.63	chloride	7647.606	4394	25392	1	-1.61
5	1.96	nitrite	96263.192	35665	230730	1	-2.65
6	3.20	nitrate	224738.123	52598	534708	1	-3.42
7	4.96	phosphate	3026.523	232	2860	1	0.54
8	6.45	sulfate	5916.286	831	14701	1	-0.82
9	8.53	oxalate	504.806	31	585	1	0.00
		Totals	338096.536	95253	823198		

File: 96052651.d10 Sample: S96T002140



LABCORE Data Entry Template for Worklist# 8433

Analyst: KBR **Instrument:** IC00 _____ **Book#** 13609-A

Method: LA-533-105 **Rev/Mod** D-1

Worklist Comment: U-107 IC. RCJ

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	SAMPLE	S96T002142	0		@IC-01	LIQUID	96000422	U-107
		Analytes Requested:			BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02			
4	DUP	S96T002142	0		@IC-01	LIQUID		
5	SPK	S96T002142	0		@IC-01	LIQUID		

Final page for worklist # 8433

Analyst Signature **Date** 5/24/96 **Analyst Signature** **Date**

Exported 8433 may.csv
In shell
uploaded 5-31-96 Hra
Validated Hra 5-31-96

Data Entry Comments: 96052431, D02, D05 D09 D16, D08

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 8433

Analyst: krq **Instrument:** IC01 **Book#** 136N9A

Method: LA533105 Rev/Mod D-1

Worklist Comment: U-107 IC. RCJ

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1	<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1	<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1	<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1	<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1	<1.40e-1		ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01	5.73e+01	97.119	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01	7.46e+01	94.430	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.48e02	5.42e+02	98.905	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02	5.81e+02	101.043	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02	6.09e+02	99.186	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02	5.43e+02	99.451	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02	6.26e+02	99.208	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.15e02	5.30e+02	102.913	% Recovery
3	SAMPLE	S96T002142		0	@IC-01	F-02	LIQUID	N/A <	5.383e+01	53.830	ug/mL
3	SAMPLE	S96T002142		0	@IC-01	CL-02	LIQUID	N/A	7.576e+03	70.400	ug/mL
3	SAMPLE	S96T002142		0	@IC-01	NO2-02	LIQUID	N/A	9.091e+04	443.100	ug/mL
3	SAMPLE	S96T002142		0	@IC-01	BR-02	LIQUID	N/A	3.393e+03	521.800	ug/mL
3	SAMPLE	S96T002142		0	@IC-01	NO3-02	LIQUID	N/A	2.233e+05	579.700	ug/mL
3	SAMPLE	S96T002142		0	@IC-01	PO4-02	LIQUID	N/A	6.291e+03	492.400	ug/mL
3	SAMPLE	S96T002142		0	@IC-01	SO4-02	LIQUID	N/A	9.301e+03	562.800	ug/mL
3	SAMPLE	S96T002142		0	@IC-01	OXALATE2	LIQUID	N/A	3.441e+03	434.800	ug/mL
4	DUP	S96T002142		0	@IC-01	F-02	LIQUID	<5.38e1	<5.38e1		RPD
4	DUP	S96T002142		0	@IC-01	CL-02	LIQUID	7.58e+03	7.66e+03	1.050	RPD
4	DUP	S96T002142		0	@IC-01	NO2-02	LIQUID	9.09e+04	9.11e+04	0.220	RPD
4	DUP	S96T002142		0	@IC-01	BR-02	LIQUID	3.39e+03	3.61e+03	6.286	RPD
4	DUP	S96T002142		0	@IC-01	NO3-02	LIQUID	2.23e+05	2.22e+05	0.449	RPD
4	DUP	S96T002142		0	@IC-01	PO4-02	LIQUID	6.29e+03	6.54e+03	3.897	RPD
4	DUP	S96T002142		0	@IC-01	SO4-02	LIQUID	9.30e+03	9.42e+03	1.282	RPD
4	DUP	S96T002142		0	@IC-01	OXALATE2	LIQUID	3.44e+03	3.78e+03	9.418	RPD
5	SPK	S96T002142		0	@IC-01	F-02	LIQUID	5.90e01	5.10e+01	86.441	% Recovery
5	SPK	S96T002142		0	@IC-01	CL-02	LIQUID	7.90e01	8.52e+01	107.848	% Recovery
5	SPK	S96T002142		0	@IC-01	NO2-02	LIQUID	5.48e02	6.61e+02	120.620	% Recovery
5	SPK	S96T002142		0	@IC-01	BR-02	LIQUID	5.75e02	4.54e+02	78.957	% Recovery
5	SPK	S96T002142		0	@IC-01	NO3-02	LIQUID	6.14e02	8.25e+02	134.365	% Recovery
5	SPK	S96T002142		0	@IC-01	PO4-02	LIQUID	5.46e02	4.59e+02	84.066	% Recovery
5	SPK	S96T002142		0	@IC-01	SO4-02	LIQUID	6.31e02	5.45e+02	86.371	% Recovery
5	SPK	S96T002142		0	@IC-01	OXALATE2	LIQUID	5.15e02	4.28e+02	83.107	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8433

Seq	Type	Sample#	R	A.	Test	Matrix	Actual	Found	DL or Yield	Unit

Comments Section:

Comments for sample# S96T002142 **and test** @IC-01 .
Spk failures probably due to matrix interferences. hla

Final page for worklist# 8433

Analyst Signature **Date**

Analyst Signature **Date**

H Anastos 5-31-96
Reviewer Signature **Date**

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 31-May-96

Worklist#: 8433

		Seq	Type	Sample #
-	=>	1	CCB	
	=>	2	CCV	
	=>	3	SAMPLE	S96T002142
	=>	4	DUP	S96T002142
	=>	5	SPK	S96T002142
+				

Data File: 8433MAY.CSV

	Seq#	Data File	Sample Name		Dilution
-	1	96052431.d02	CCB		1.00
		96052431.d03	CCV 136N9-A		101.00
		96052431.d04	S96T002142		4141.00
	2	96052431.d05	CCV 133N9-A		101.00
	3	96052431.d06	S96T002142		4141.00
	4	96052431.d07	S96T002142	DUP	4141.00
	5	96052431.d08	S96T002142	SPIK	4141.00
		96052431.d09	S96T002142		4141.00
		96052431.d10	S96T002142	DUP	4141.00
+					

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 05/28/1996 11:31:50

Sample Name: CCB Date: 05/24/1996 19:39:10
Data File : C:\DX\DATA\96052431.d02
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 2 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

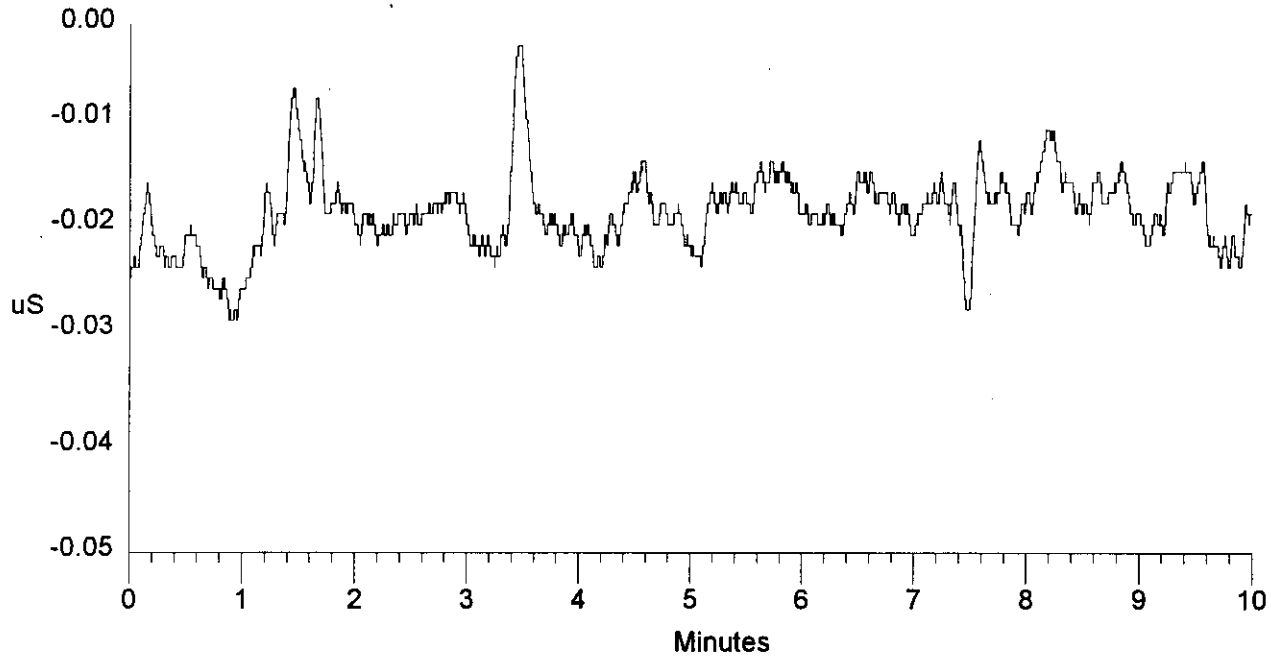
6/11/96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3000	5Hz	0.00	10.00		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
		Totals	0.000	0	0		

File: 96052431.d02 Sample: CCB



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 427 TO 431.

Data Reprocessed On 05/28/1996 11:31:58

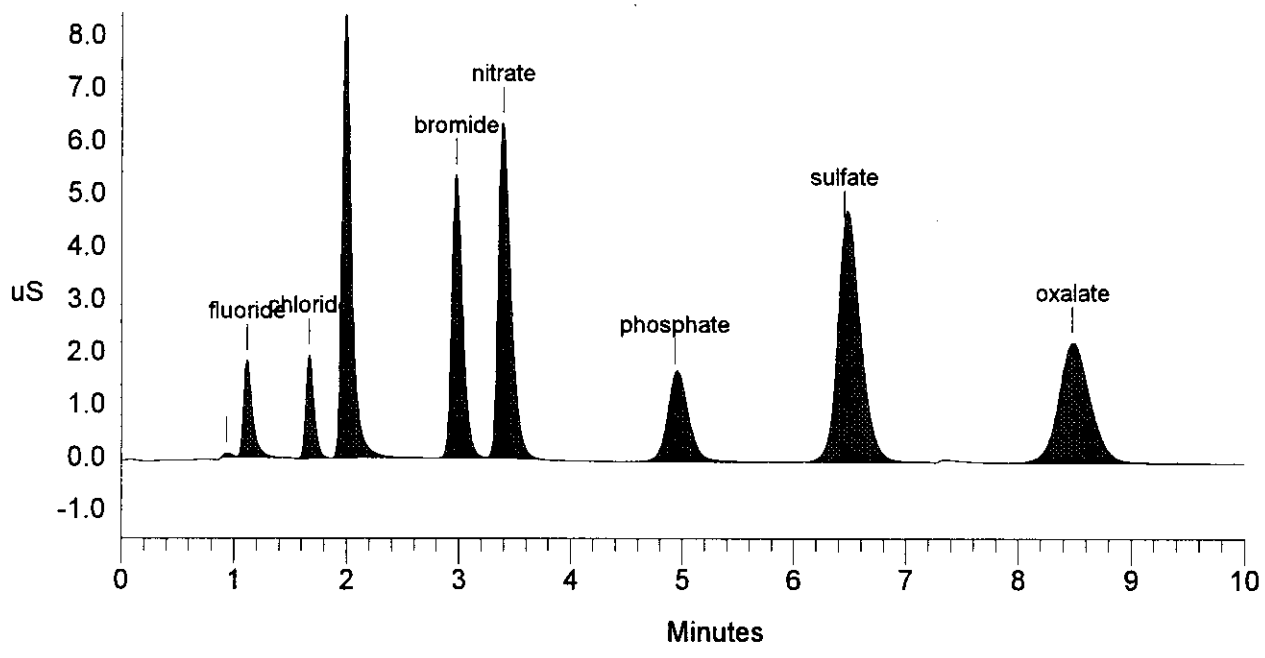
Sample Name: CCV 133N9-A Date: 05/24/1996 21:31:05
Data File : C:\DX\DATA\96052431.d05 **WHC-SD-WM-DP-184, REV. 1**
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 5 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	101	3000	5Hz	0.00	10.00	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.93		0.000	77	372	2	
2	1.11	fluoride	57.319	1829	10248	2	4.37
3	1.67	chloride	74.558	1967	9940	1	0.81
4	1.99	nitrite	541.577	8351	50353	1	-1.32
5	2.97	bromide	581.260	5362	36300	1	0.45
6	3.39	nitrate	608.879	6352	49838	1	2.41
7	4.93	phosphate	542.961	1645	22152	1	0.00
8	6.45	sulfate	626.423	4441	66995	1	-0.82
9	8.48	oxalate	529.683	2272	44352	1	-0.62
		Totals	3562.660	32297	290551		

File: 96052431.d05 Sample: CCV 133N9-A



Data Reprocessed On 05/28/1996 11:32:01

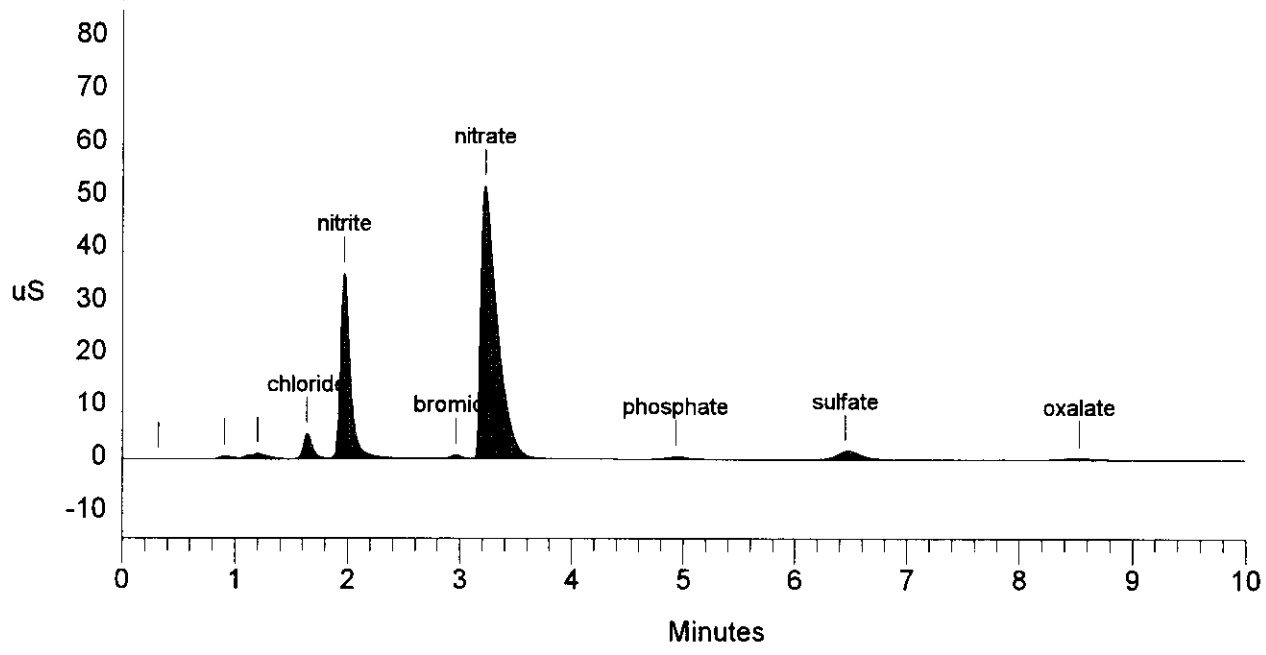
Sample Name: S96T002142 Date: 05/24/1996 21:43:44
Data File : C:\DX\DATA\96052431.d06 WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 6 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	4141	3000	5Hz	0.00	10.00		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.32		0.000	15	155	1	
2	0.91		0.000	460	2838	2	
3	1.20		0.000	950	10273	2	
4	1.64	chloride	7575.554	4738	25144	1	-0.81
5	1.97	nitrite	90909.115	35302	217152	1	-1.99
6	2.97	bromide	3393.181	745	4581	1	0.23
7	3.23	nitrate	223316.850	51784	530550	1	-2.62
8	4.93	phosphate	6291.490	461	6091	1	0.00
9	6.45	sulfate	9300.757	1521	23546	1	-0.82
10	8.53	oxalate	3440.970	341	6599	1	0.00
		Totals	344227.917	96317	826930		

File: 96052431.d06 Sample: S96T002142



Data Reprocessed On 05/28/1996 11:32:04

Sample Name: S96T002142 DUP Date: 05/24/1996 21:54:49
Data File : C:\DX\DATA\96052431.d07
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 7 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

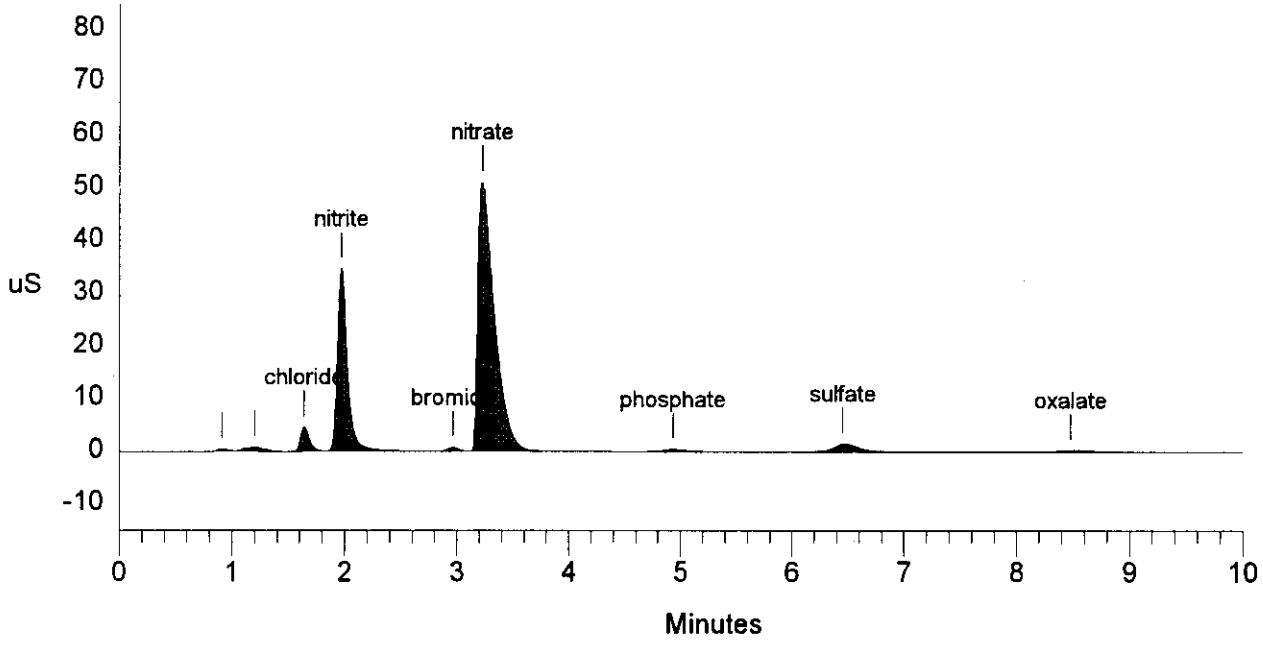
WHC-SD-WM-DP-184, REV. 1

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	4141	3000	5Hz	0.00	10.00		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	450	2705	2	
2	1.20		0.000	927	10157	2	
3	1.64	chloride	7656.504	4686	25423	1	-0.81
4	1.97	nitrite	91111.342	34846	217663	1	-1.99
5	2.97	bromide	3612.607	801	4916	1	0.23
6	3.23	nitrate	221783.131	51067	526079	1	-2.62
7	4.93	phosphate	6544.357	483	6342	1	0.00
8	6.45	sulfate	9416.468	1565	23850	1	-0.82
9	8.48	oxalate	3776.691	326	7288	1	-0.62
		Totals	343901.100	95151	824423		

File: 96052431.d07 Sample: S96T002142 DUP



Data Reprocessed On 05/28/1996 11:32:06

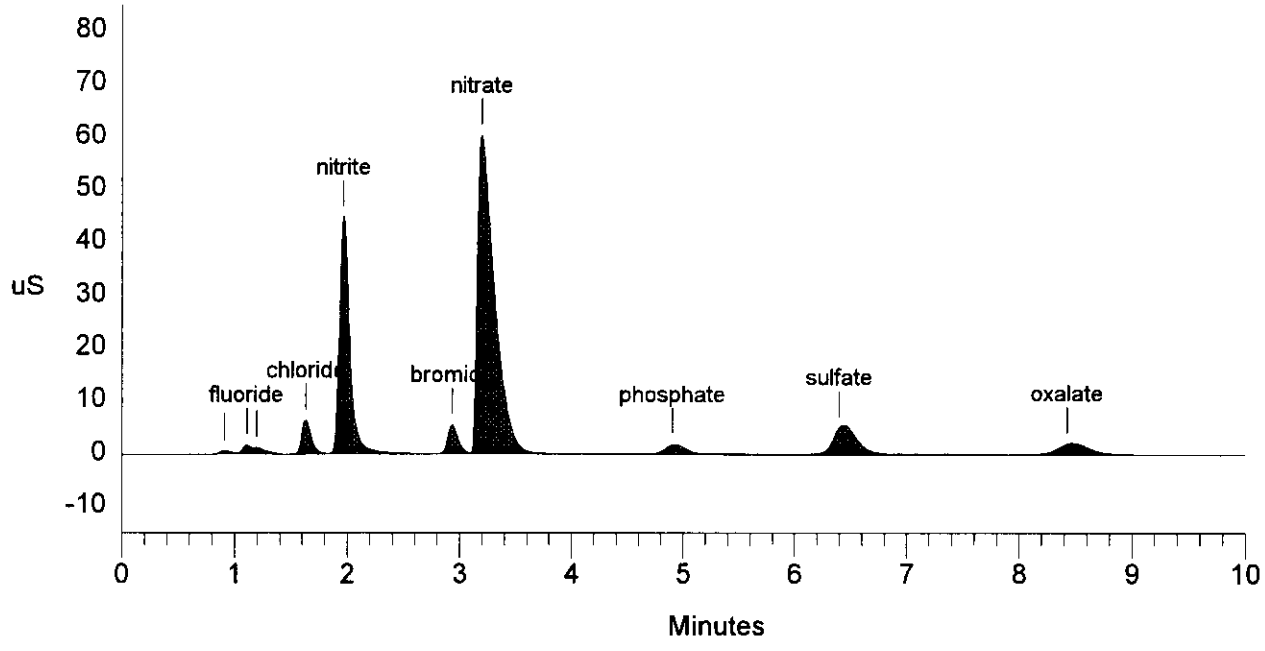
Sample Name: S96T002142 SPIKE Date: 05/24/1996 22:06:30
Data File : C:\DX\DATA\96052431.d08 **WHC-SD-WM-DP-184, REV. 1**
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 8 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	4141	3000	5Hz	0.00	10.00		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	508	2911	2	
2	1.11	fluoride	2056.104	1679	8905	2	3.75
3	1.19		0.000	1226	8957	2	
4	1.63	chloride	11010.707	6349	37152	1	-1.21
5	1.97	nitrite	117566.416	44693	285686	1	-2.32
6	2.93	bromide	21694.261	5407	32933	1	-0.90
7	3.20	nitrate	256573.865	60091	632077	1	-3.42
8	4.91	phosphate	24782.807	1845	24728	1	-0.54
9	6.40	sulfate	31269.407	5030	82059	1	-1.64
10	8.43	oxalate	20696.024	2006	42228	1	-1.25
		Totals	485649.591	128835	1157635		

File: 96052431.d08 Sample: S96T002142 SPIKE



LABCORE Data Entry Template for Worklist# 8725

Analyst: KPQ **Instrument:** IC00 IC01 **Book#** 136N9-A

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-107 FOR IC01 RTS!

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	BLNK-PREP				@IC-01	SOLID		
4	SAMPLE	S96T001875	0	W	@IC-01	SOLID	96000422	U-107
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
5	DUP	S96T001875	0	W	@IC-01	SOLID		
6	SPK	S96T001875	0	W	@IC-01	SOLID		
7	SAMPLE	S96T001876	0	W	@IC-01	SOLID	96000422	U-107
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
8	DUP	S96T001876	0	W	@IC-01	SOLID		
9	SAMPLE	S96T002160	0	W	@IC-01	SOLID	96000422	U-107
	Analytes Requested:				BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
10	DUP	S96T002160	0	W	@IC-01	SOLID		

Final page for worklist # 8725

Signatures Attached 5/30/96

Analyst Signature **Date** **Analyst Signature** **Date**

Uploaded 5/30/96 WTDS

Data Entry Comments:

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

05/15/96 13:45
A-0004-1

LABCORE Data Entry Template for Worklist# 8725

Analyst: KBO **Instrument:** IC00 _____ **Book#** 136N9-A

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-107 FOR IC01 RTS!

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
	Blank Prep							
3	SAMPLE	S96T001875	0	W	@IC-01	SOLID	96000422	U-107
	Analytes Requested:	BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
4	DUP	S96T001875	0	W	@IC-01	SOLID		
5	SPK	S96T001875	0	W	@IC-01	SOLID		
6	SAMPLE	S96T001876	0	W	@IC-01	SOLID	96000422	U-107
	Analytes Requested:	BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
7	DUP	S96T001876	0	W	@IC-01	SOLID		
8	SAMPLE	S96T002160	0	W	@IC-01	SOLID	96000422	U-107
	Analytes Requested:	BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02						
9	DUP	S96T002160	0	W	@IC-01	SOLID		

Final page for worklist # 8725

Analyst Signature **Date** 5/27/96 **Analyst Signature** **Date**

Exported 8725 may.csv
Inshell

Data Entry Comments: 96052651, D11, D12, 96052751, D01 → D08
Batch 4694

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 8725

Analyst: krq **Instrument:** IC01 **Book#** 13L0N19-A

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-107 FOR IC01 RTS!

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1		<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1		<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1		<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1		<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1		<1.40e-1		ug/mL
1	CCB			0	@IC-QC	PO4	QC	1		<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1		<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1		<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01		5.89e+01	99.831	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01		7.17e+01	90.759	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.48e02		5.28e+02	96.350	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02		5.48e+02	95.304	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02		5.99e+02	97.557	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02		5.19e+02	95.055	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02		6.09e+02	96.513	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.15e02		5.04e+02	97.864	% Recovery
3	BLNK-PREP			0	@IC-01	F-02	SOLID	1		<1.30e-2		ug/g
3	BLNK-PREP			0	@IC-01	CL-02	SOLID	1		<1.70e-2		ug/g
3	BLNK-PREP			0	@IC-01	NO2-02	SOLID	1		<1.07e-1		ug/g
3	BLNK-PREP			0	@IC-01	BR-02	SOLID	1		<1.26e-1		ug/g
3	BLNK-PREP			0	@IC-01	NO3-02	SOLID	1		<1.40e-1		ug/g
3	BLNK-PREP			0	@IC-01	PO4-02	SOLID	1		<1.19e-1		ug/g
3	BLNK-PREP			0	@IC-01	SO4-02	SOLID	1		<1.36e-1		ug/g
3	BLNK-PREP			0	@IC-01	OXALATE2	SOLID	1		<1.05e-1		ug/g
4	SAMPLE	S96T001875	0	W	@IC-01	F-02	SOLID	N/A	<	9.783e+01	97.830	ug/g
4	SAMPLE	S96T001875	0	W	@IC-01	CL-02	SOLID	N/A		5.716e+02	127.900	ug/g
4	SAMPLE	S96T001875	0	W	@IC-01	NO2-02	SOLID	N/A		7.781e+03	805.200	ug/g
4	SAMPLE	S96T001875	0	W	@IC-01	BR-02	SOLID	N/A	<	9.482e+02	948.300	ug/g
4	SAMPLE	S96T001875	0	W	@IC-01	NO3-02	SOLID	N/A		6.106e+05	1053.000	ug/g
4	SAMPLE	S96T001875	0	W	@IC-01	PO4-02	SOLID	N/A		2.197e+03	894.600	ug/g
4	SAMPLE	S96T001875	0	W	@IC-01	SO4-02	SOLID	N/A	<	1.023e+03	1023.000	ug/g
4	SAMPLE	S96T001875	0	W	@IC-01	OXALATE2	SOLID	N/A		9.317e+02	790.100	ug/g
5	DUP	S96T001875	0	W	@IC-01	F-02	SOLID	<9.78e1		<1.01e2		RPD
5	DUP	S96T001875	0	W	@IC-01	CL-02	SOLID	5.72e+02		5.71e+02	0.175	RPD
5	DUP	S96T001875	0	W	@IC-01	NO2-02	SOLID	7.78e+03		7.74e+03	0.515	RPD
5	DUP	S96T001875	0	W	@IC-01	BR-02	SOLID	<9.48e2		<9.77e2		RPD
5	DUP	S96T001875	0	W	@IC-01	NO3-02	SOLID	6.11e+05		6.20e+05	1.462	RPD
5	DUP	S96T001875	0	W	@IC-01	PO4-02	SOLID	2.20e+03		2.46e+03	11.159	RPD
5	DUP	S96T001875	0	W	@IC-01	SO4-02	SOLID	<1.02e3		<1.05e3		RPD
5	DUP	S96T001875	0	W	@IC-01	OXALATE2	SOLID	9.32e+02		<8.14e2		RPD
6	SPK	S96T001875	0	W	@IC-01	F-02	SOLID	5.90e01		6.33e+01	107.288	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8725

Seq	Type	Sample#	R	A	Test		Matrix	Actual		Found	DL or Yield	Unit
6	SPK	S96T001875	0	W	@IC-01	CL-02	SOLID	7.90e01		7.23e+01	91.519	% Recovery
6	SPK	S96T001875	0	W	@IC-01	NO2-02	SOLID	5.48e02		5.35e+02	97.628	% Recovery
6	SPK	S96T001875	0	W	@IC-01	BR-02	SOLID	5.75e02		5.11e+02	88.870	% Recovery
6	SPK	S96T001875	0	W	@IC-01	NO3-02	SOLID	6.14e02		2.54e+02	41.368	% Recovery
6	SPK	S96T001875	0	W	@IC-01	PO4-02	SOLID	5.46e02		5.17e+02	94.689	% Recovery
6	SPK	S96T001875	0	W	@IC-01	SO4-02	SOLID	6.31e02		6.20e+02	98.257	% Recovery
6	SPK	S96T001875	0	W	@IC-01	OXALATE2	SOLID	5.15e02		5.12e+02	99.417	% Recovery
7	SAMPLE	S96T001876	0	W	@IC-01	F-02	SOLID	N/A	<	9.106e+01	91.060	ug/g
7	SAMPLE	S96T001876	0	W	@IC-01	CL-02	SOLID	N/A		5.951e+02	119.100	ug/g
7	SAMPLE	S96T001876	0	W	@IC-01	NO2-02	SOLID	N/A		7.454e+03	749.500	ug/g
7	SAMPLE	S96T001876	0	W	@IC-01	BR-02	SOLID	N/A	<	8.826e+02	882.700	ug/g
7	SAMPLE	S96T001876	0	W	@IC-01	NO3-02	SOLID	N/A		4.732e+05	979.900	ug/g
7	SAMPLE	S96T001876	0	W	@IC-01	PO4-02	SOLID	N/A		1.057e+03	832.700	ug/g
7	SAMPLE	S96T001876	0	W	@IC-01	SO4-02	SOLID	N/A		9.622e+02	952.000	ug/g
7	SAMPLE	S96T001876	0	W	@IC-01	OXALATE2	SOLID	N/A		7.622e+02	735.500	ug/g
8	DUP	S96T001876	0	W	@IC-01	F-02	SOLID	<9.11e1		<9.25e1		RPD
8	DUP	S96T001876	0	W	@IC-01	CL-02	SOLID	5.95e+02		9.14e+02	42.280	RPD
8	DUP	S96T001876	0	W	@IC-01	NO2-02	SOLID	7.45e+03		1.08e+04	36.712	RPD
8	DUP	S96T001876	0	W	@IC-01	BR-02	SOLID	<8.83e2		<8.97e2		RPD
8	DUP	S96T001876	0	W	@IC-01	NO3-02	SOLID	4.73e+05		5.95e+05	22.846	RPD
8	DUP	S96T001876	0	W	@IC-01	PO4-02	SOLID	1.06e+03		2.15e+03	67.913	RPD
8	DUP	S96T001876	0	W	@IC-01	SO4-02	SOLID	9.62e+02		1.16e+03	18.662	RPD
8	DUP	S96T001876	0	W	@IC-01	OXALATE2	SOLID	7.62e+02		8.86e+02	15.049	RPD
9	SAMPLE	S96T002160	0	W	@IC-01	F-02	SOLID	N/A	<	9.762e+01	97.620	ug/g
9	SAMPLE	S96T002160	0	W	@IC-01	CL-02	SOLID	N/A		1.953e+03	127.700	ug/g
9	SAMPLE	S96T002160	0	W	@IC-01	NO2-02	SOLID	N/A		2.321e+04	803.600	ug/g
9	SAMPLE	S96T002160	0	W	@IC-01	BR-02	SOLID	N/A	<	9.462e+02	946.300	ug/g
9	SAMPLE	S96T002160	0	W	@IC-01	NO3-02	SOLID	N/A		5.231e+05	1050.000	ug/g
9	SAMPLE	S96T002160	0	W	@IC-01	PO4-02	SOLID	N/A		3.699e+03	893.000	ug/g
9	SAMPLE	S96T002160	0	W	@IC-01	SO4-02	SOLID	N/A		1.873e+03	1020.000	ug/g
9	SAMPLE	S96T002160	0	W	@IC-01	OXALATE2	SOLID	N/A	<	7.885e+02	788.400	ug/g
10	DUP	S96T002160	0	W	@IC-01	F-02	SOLID	<9.76e1		<1.00e2		RPD
10	DUP	S96T002160	0	W	@IC-01	CL-02	SOLID	1.95e+03		1.90e+03	2.597	RPD
10	DUP	S96T002160	0	W	@IC-01	NO2-02	SOLID	2.32e+04		2.23e+04	3.956	RPD
10	DUP	S96T002160	0	W	@IC-01	BR-02	SOLID	<9.46e2		<9.71e2		RPD
10	DUP	S96T002160	0	W	@IC-01	NO3-02	SOLID	5.23e+05		4.94e+05	5.703	RPD
10	DUP	S96T002160	0	W	@IC-01	PO4-02	SOLID	3.70e+03		3.83e+03	3.453	RPD
10	DUP	S96T002160	0	W	@IC-01	SO4-02	SOLID	1.87e+03		2.01e+03	7.216	RPD
10	DUP	S96T002160	0	W	@IC-01	OXALATE2	SOLID	<7.88e2		<8.10e2		RPD

Comments Section:

Comments for sample# S96T001876 **and test** @IC-01 .
Many dups are out. Customer may request rerun. nds

Units shown for QC (BLK/BKG) may not reflect the actual units.

LABCORE Completed Worklist Report for Worklist# 8725

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit

Final page for worklist# 8725

Analyst Signature Date

Analyst Signature Date

Joel Smith 5/30/96
Reviewer Signature Date

Validator 5/30/96

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 30-May-96

Worklist#: 8725

		Seq	Type	Sample #
-	=>	1	CCB	
	=>	2	CCV	
	=>	3	BLNK-PREP	
	=>	4	SAMPLE	S96T001875
	=>	5	DUP	S96T001875
	=>	6	SPK	S96T001875
	=>	7	SAMPLE	S96T001876
	=>	8	DUP	S96T001876
	=>	9	SAMPLE	S96T002160
	=>	10	DUP	S96T002160
+				

Data File: 8725MAY.CSV

	Seq#	Data File	Sample Name	Dilution
-	1	96052651.d11	CCB	1.00
		96052651.d12	CCV 136N9-A	101.00
	2	96052651.d13	CCV 136N9-A	101.00
	3	96052751.d01	BLANK PREP	1.00
	4	96052751.d02	S96T001875 SAMPL	41.00
	5	96052751.d03	S96T001875 DUP	41.00
	6	96052751.d04	S96T001875 SPIKE	41.00
	7	96052751.d05	S96T001876 SAMPL	41.00
	8	96052751.d06	S96T001876 DUP	41.00
	9	96052751.d07	S96T002160 SAMPL	41.00
	10	96052751.d08	S96T002160 DUP	41.00
		96052751.d14	S96T001875	41.00
		96052751.d15	S96T001876	41.00
		96052751.d16	S96T002160	41.00
+				

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Data Reprocessed On 05/28/1996 10:55:45

Sample Name: CCB	Date: 05/26/1996 23:48:16
Data File : C:\DX\DATA\96052651.d11	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 11	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

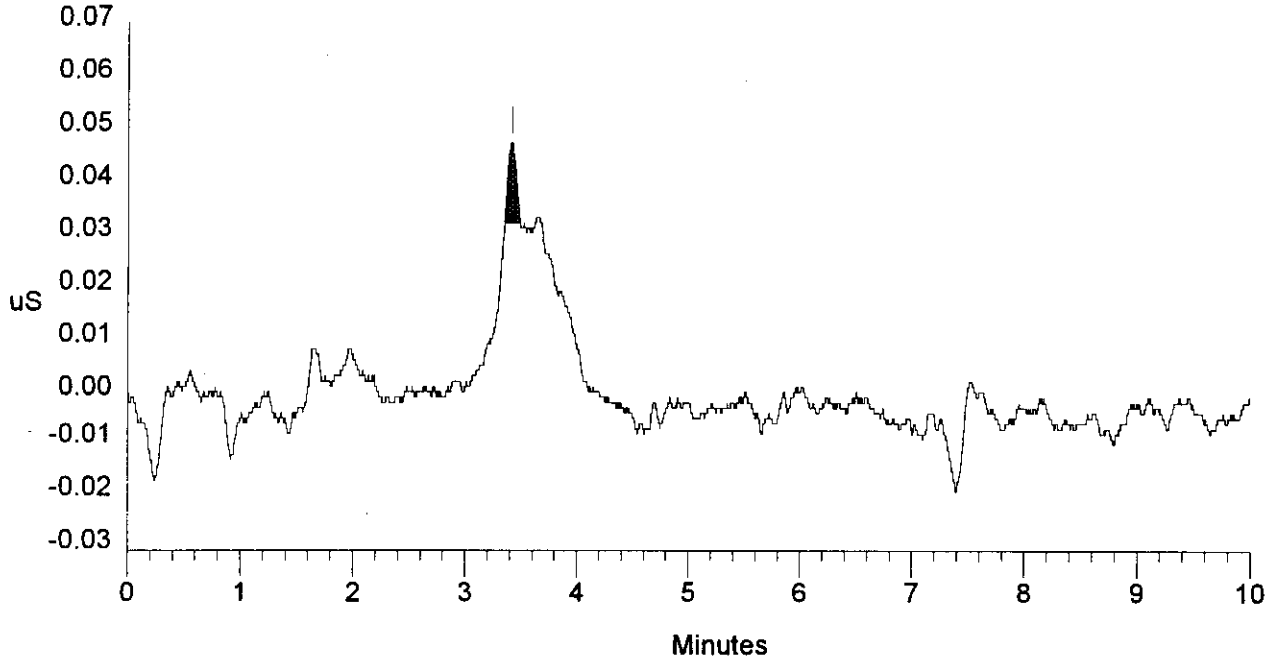
KRQ 7/30/96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3000	5Hz	0.00	10.00	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
		Totals	0.000	0	0		

File: 96052651.d11 Sample: CCB



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 438 TO 450.

Data Reprocessed On 05/28/1996 10:55:51

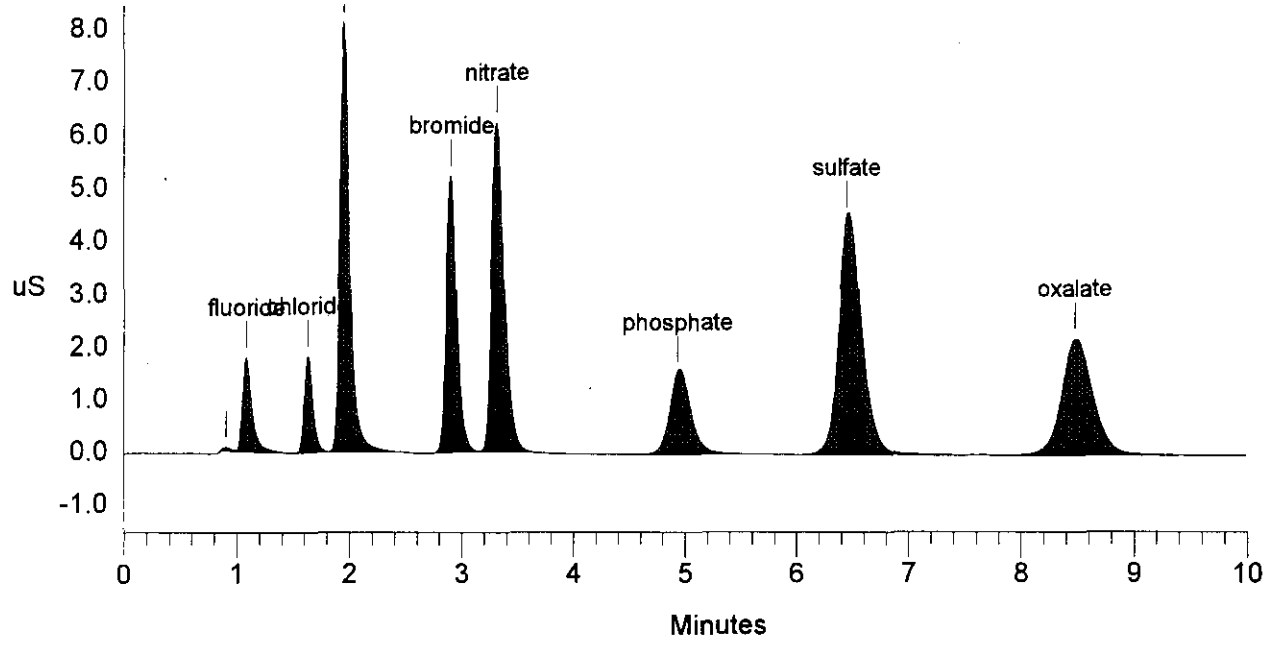
Sample Name: CCV 136N9-A Date: 05/27/1996 02:02:37
Data File : C:\DX\DATA\96052651.d13
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 13 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3000	5Hz	0.00	10.00		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	73	375	2	
2	1.09	fluoride	58.901	1796	10545	2	1.88
3	1.63	chloride	71.744	1845	9560	1	-1.21
4	1.95	nitrite	527.502	8138	49006	1	-2.98
5	2.91	bromide	548.282	5247	34168	1	-1.80
6	3.31	nitrate	599.281	6230	49023	1	0.00
7	4.93	phosphate	518.966	1569	21150	1	0.00
8	6.45	sulfate	608.545	4501	65028	1	-0.82
9	8.48	oxalate	504.481	2214	42203	1	-0.62
		Totals	3437.702	31613	281059		

File: 96052651.d13 Sample: CCV 136N9-A



Data Reprocessed On 05/28/1996 10:55:53

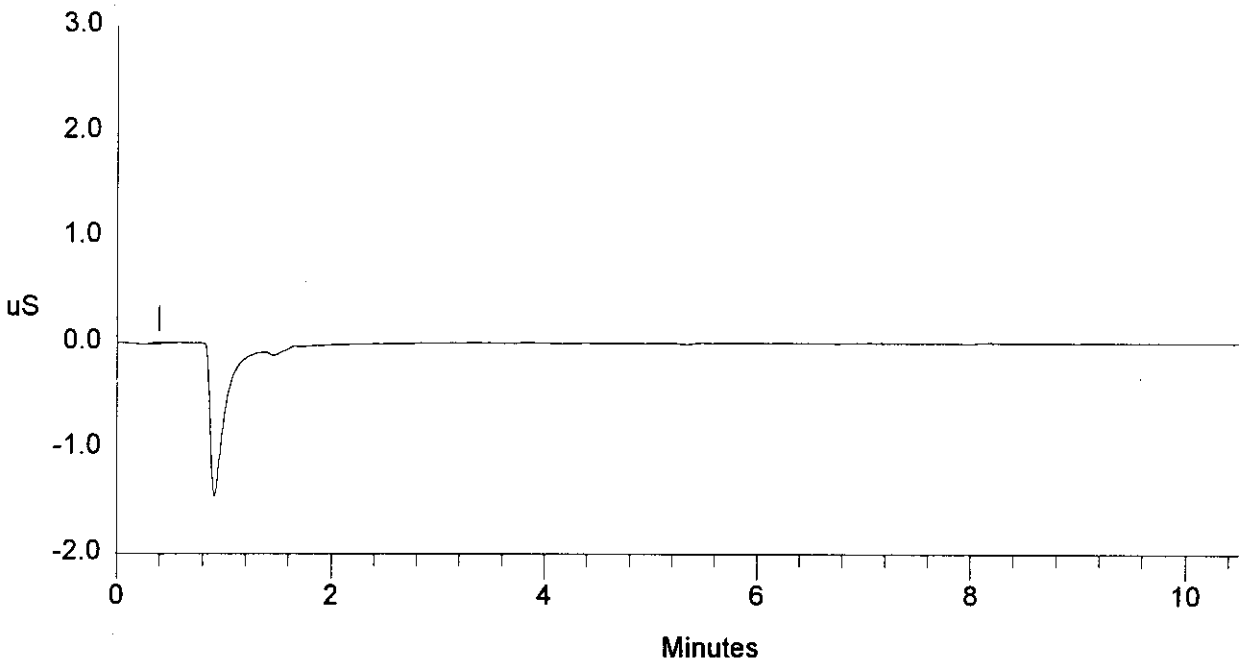
Sample Name: BLANK PREP	Date: 05/27/1996 03:21:10
Data File : C:\DX\DATA\96052751.d01	
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 1	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	1	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.39		0.000	14	143	1	
		Totals	0.000	14	143		

File: 96052751.d01 Sample: BLANK PREP



Data Reprocessed On 05/28/1996 10:55:55

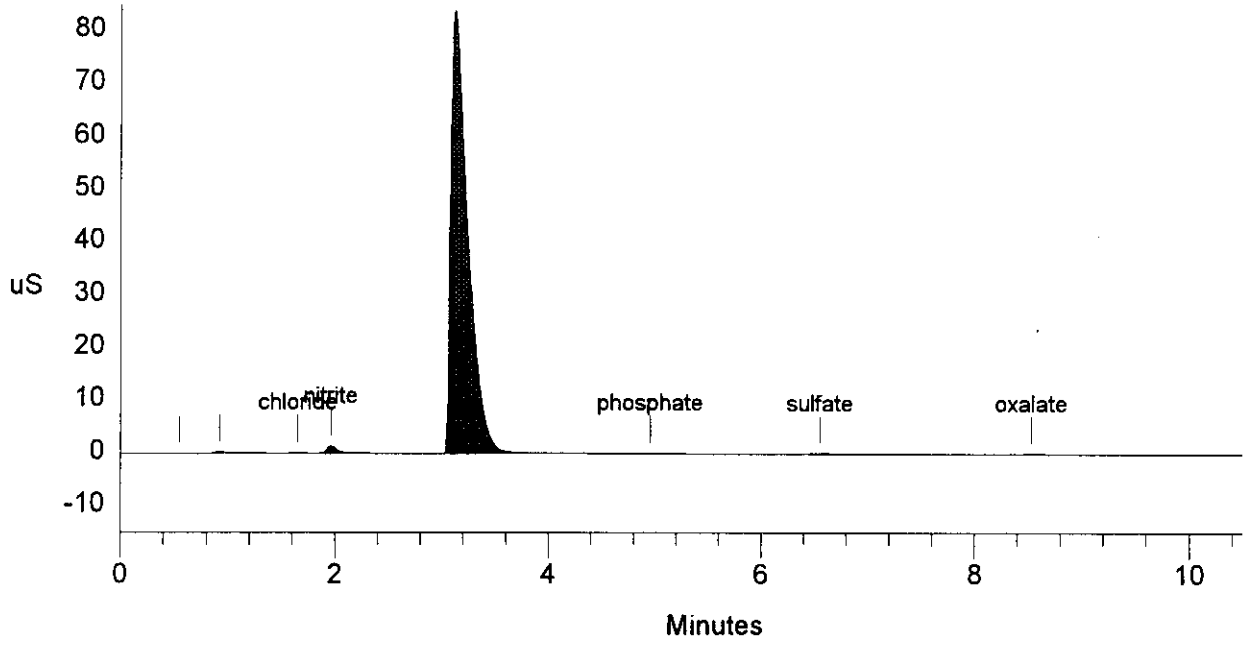
Sample Name: S96T001875 SAMPLE	Date: 05/27/1996 03:34:22
Data File : C:\DX\DATA\96052751..d02	
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 2	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.55		0.000	20	357	1	
2	0.92		0.000	243	1522	1	
3	1.65	chloride	3.114	185	1009	1	0.00
4	1.97	nitrite	42.389	1386	8882	1	-2.32
5	3.12	nitrate	3326.558	83723	926477	1	-5.84
6	4.96	phosphate	11.967	63	1068	1	0.54
7	6.56	sulfate	5.217	46	703	1	0.82
8	8.53	oxalate	5.076	27	601	1	0.00
		Totals	3394.321	85695	940619		

File: 96052751.d02 Sample: S96T001875 SAMPLE



Data Reprocessed On 05/28/1996 10:55:58

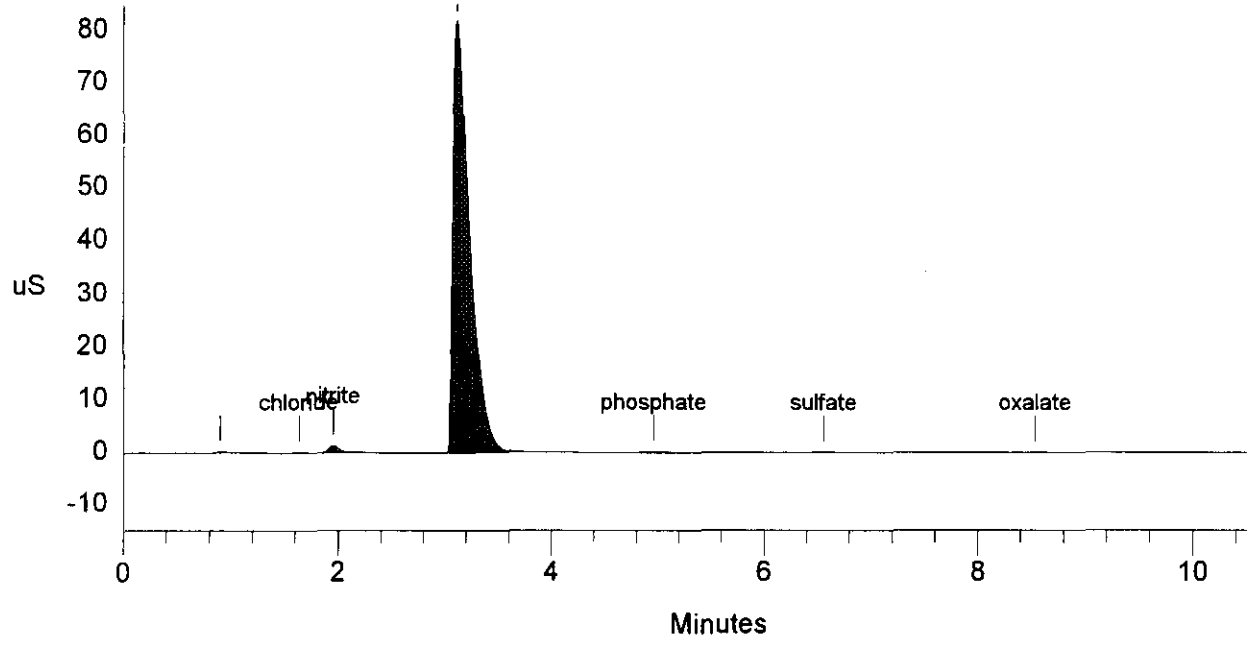
Sample Name: S96T001875 DUP	Date: 05/27/1996 03:47:35
Data File : C:\DX\DATA\96052751.d03	
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 3	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	226	1479	1	
2	1.63	chloride	3.021	170	979	1	-1.21
3	1.95	nitrite	40.919	1324	8542	1	-2.98
4	3.11	nitrate	3277.099	81764	904748	1	-6.04
5	4.96	phosphate	13.007	82	1171	1	0.54
6	6.56	sulfate	4.718	39	573	1	0.82
7	8.53	oxalate	4.187	22	417	1	0.00
		Totals	3342.952	83626	917909		

File: 96052751.d03 Sample: S96T001875 DUP



Data Reprocessed On 05/28/1996 10:56:01

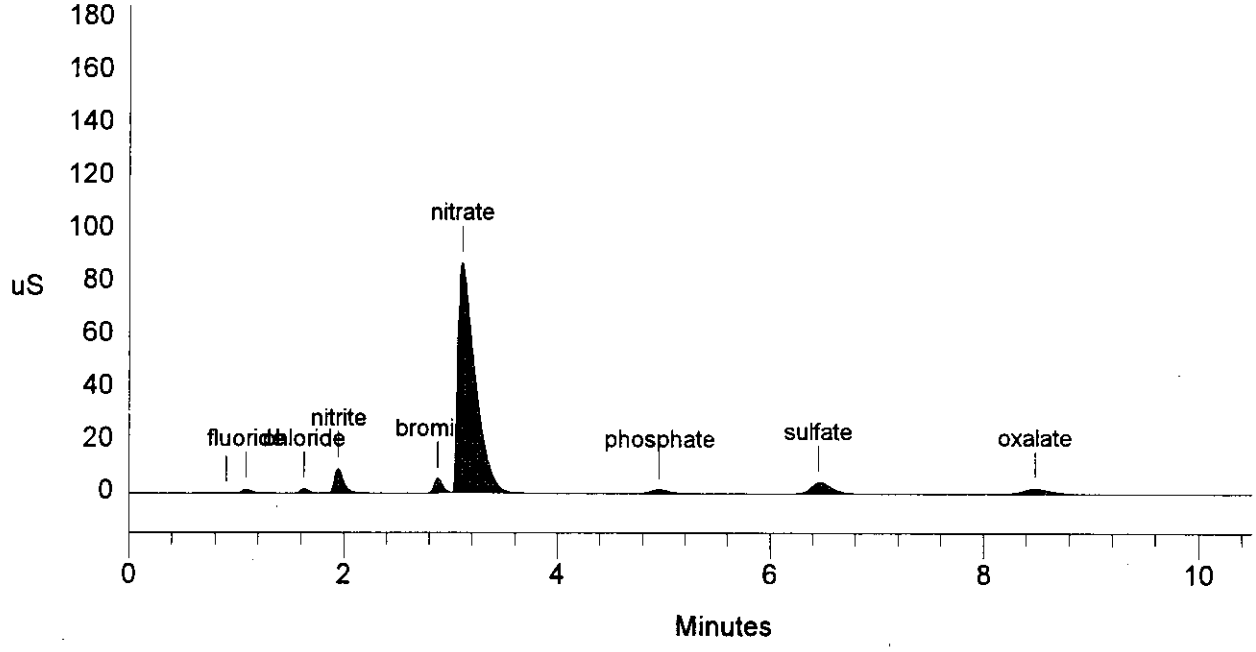
Sample Name: S96T001875 SPIKE Date: 05/27/1996 04:00:48
Data File : C:\DX\DATA\96052751.d04
Method : C:\DX\METHOD\AUTOMEL.met
ACI Address: 1 System: 1 Inject#: 4 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	263	1457	2	
2	1.09	fluoride	25.302	1751	11190	2	1.56
3	1.63	chloride	32.053	1927	10535	1	-1.61
4	1.95	nitrite	256.217	9559	58949	1	-3.31
5	2.88	bromide	204.349	5651	31275	1	-2.70
6	3.11	nitrate	3428.145	87226	973134	1	-6.24
7	4.96	phosphate	218.846	1729	21991	1	0.54
8	6.45	sulfate	248.158	4490	65333	1	-0.82
9	8.48	oxalate	209.883	2271	43273	1	-0.62
		Totals	4622.953	114867	1217139		

File: 96052751.d04 Sample: S96T001875 SPIKE



Data Reprocessed On 05/28/1996 10:56:04

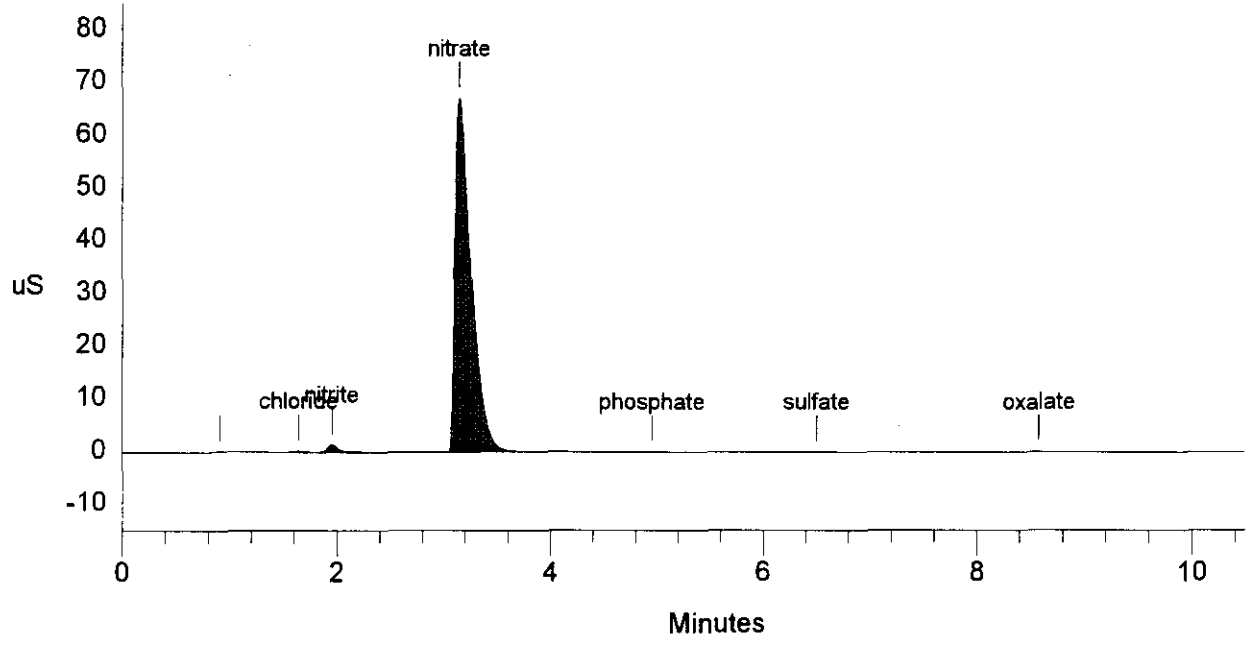
Sample Name: S96T001876 SAMPLE Date: 05/27/1996 04:14:00
Data File : C:\DX\DATA\96052751.d05
Method : C:\DX\METHOD\AUTOMEL.met
ACI Address: 1 System: 1 Inject#: 5 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3150	5Hz	0.00	10.50		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	173	1029	1	
2	1.65	chloride	3.483	215	1129	1	-0.40
3	1.96	nitrite	43.630	1468	9170	1	-2.65
4	3.15	nitrate	2769.706	67050	708911	1	-5.03
5	4.96	phosphate	6.186	31	493	1	0.54
6	6.51	sulfate	5.632	47	812	1	0.00
7	8.59	oxalate	4.461	24	474	1	0.63
		Totals	2833.099	69010	722017		

File: 96052751.d05 Sample: S96T001876 SAMPLE



Data Reprocessed On 05/28/1996 10:56:07

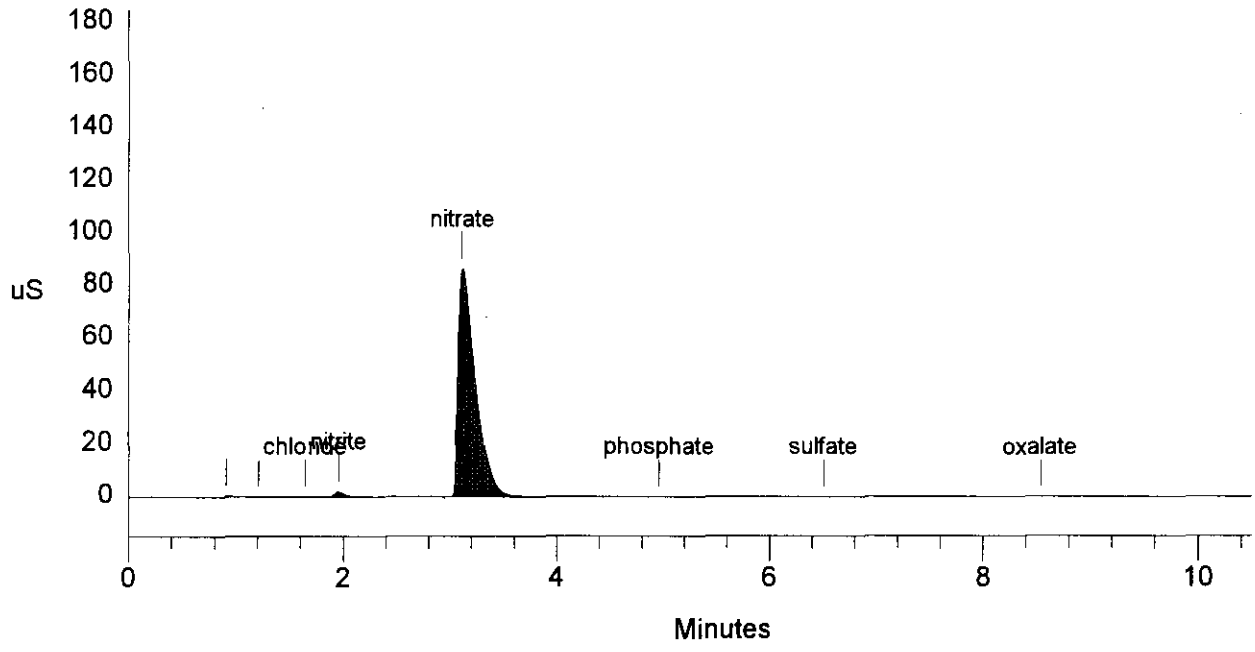
Sample Name: S96T001876 DUP	Date: 05/27/1996 04:27:12
Data File : C:\DX\DATA\96052751.d06	
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 6	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	232	1373	1	
2	1.21		0.000	33	290	1	
3	1.64	chloride	5.266	303	1709	1	-0.81
4	1.95	nitrite	62.256	2085	13487	1	-2.98
5	3.11	nitrate	3430.489	86319	974246	1	-6.04
6	4.96	phosphate	12.362	74	1107	1	0.54
7	6.51	sulfate	6.695	62	1090	1	0.00
8	8.53	oxalate	5.102	34	606	1	0.00
		Totals	3522.170	89142	993908		

File: 96052751.d06 Sample: S96T001876 DUP



Data Reprocessed On 05/28/1996 10:56:09

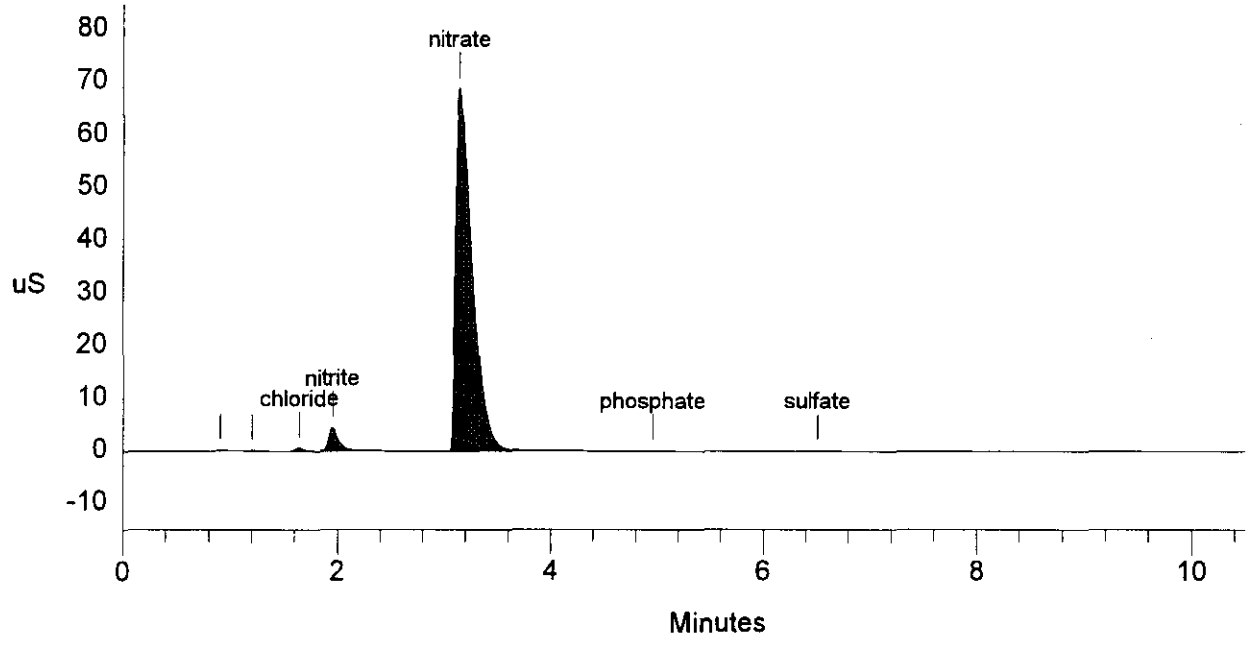
Sample Name: S96T002160 SAMPLE	Date: 05/27/1996 04:40:25
Data File : C:\DX\DATA\96052751.d07	
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 7	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	211	1395	2	
2	1.20		0.000	135	1427	2	
3	1.64	chloride	10.664	640	3471	1	-0.81
4	1.95	nitrite	126.713	4476	28491	1	-2.98
5	3.14	nitrate	2856.065	68623	739426	1	-5.23
6	4.96	phosphate	20.199	134	1887	1	0.54
7	6.51	sulfate	10.228	132	2013	1	0.00
		Totals	3023.868	74351	778110		

File: 96052751.d07 Sample: S96T002160 SAMPLE



Data Reprocessed On 05/28/1996 10:56:12

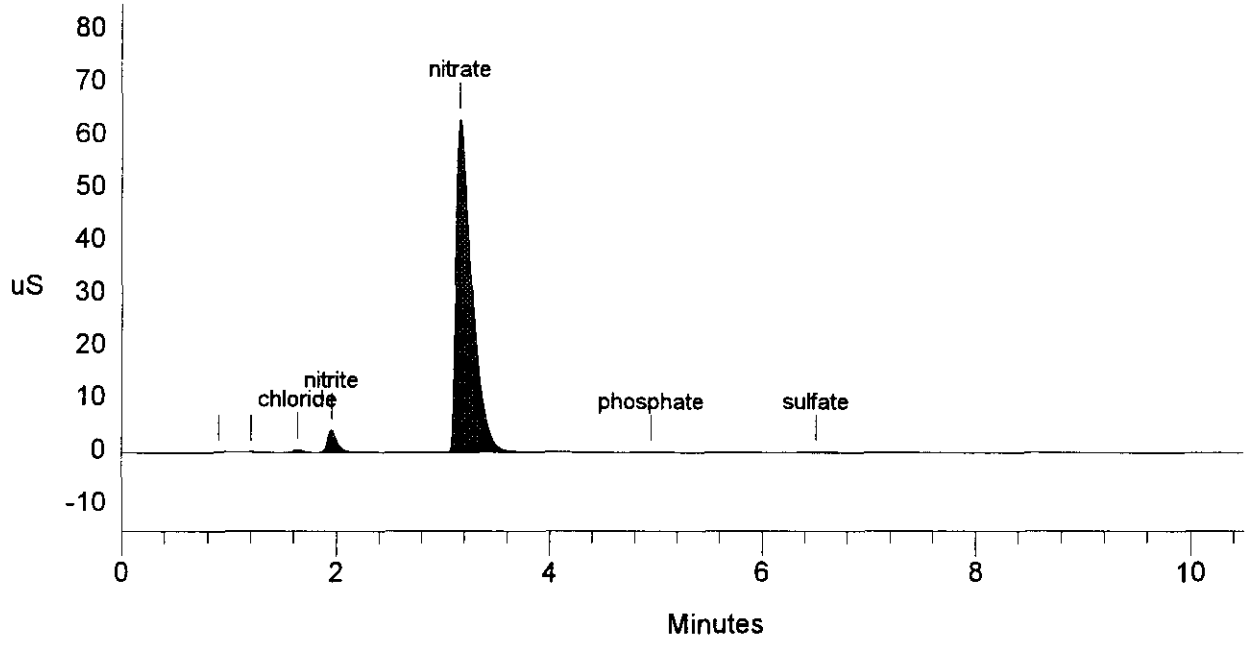
Sample Name: S96T002160 DUP	Date: 05/27/1996 04:53:37
Data File : C:\DX\DATA\96052751.d08	
Method : C:\DX\METHOD\AUTOMEL.met	
ACI Address: 1 System: 1 Inject#: 8	Detector:CDM-1
Analyst :	Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3150	5Hz	0.00	10.50	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	194	1314	2	
2	1.21		0.000	143	1541	2	
3	1.64	chloride	10.091	599	3284	1	-0.81
4	1.96	nitrite	118.829	4255	26651	1	-2.65
5	3.16	nitrate	2624.601	63161	659646	1	-4.63
6	4.96	phosphate	20.382	138	1905	1	0.54
7	6.51	sulfate	10.683	131	2132	1	0.00
		Totals	2784.585	68621	696472		

File: 96052751.d08 Sample: S96T002160 DUP



Data Reprocessed On 05/28/1996 10:56:14

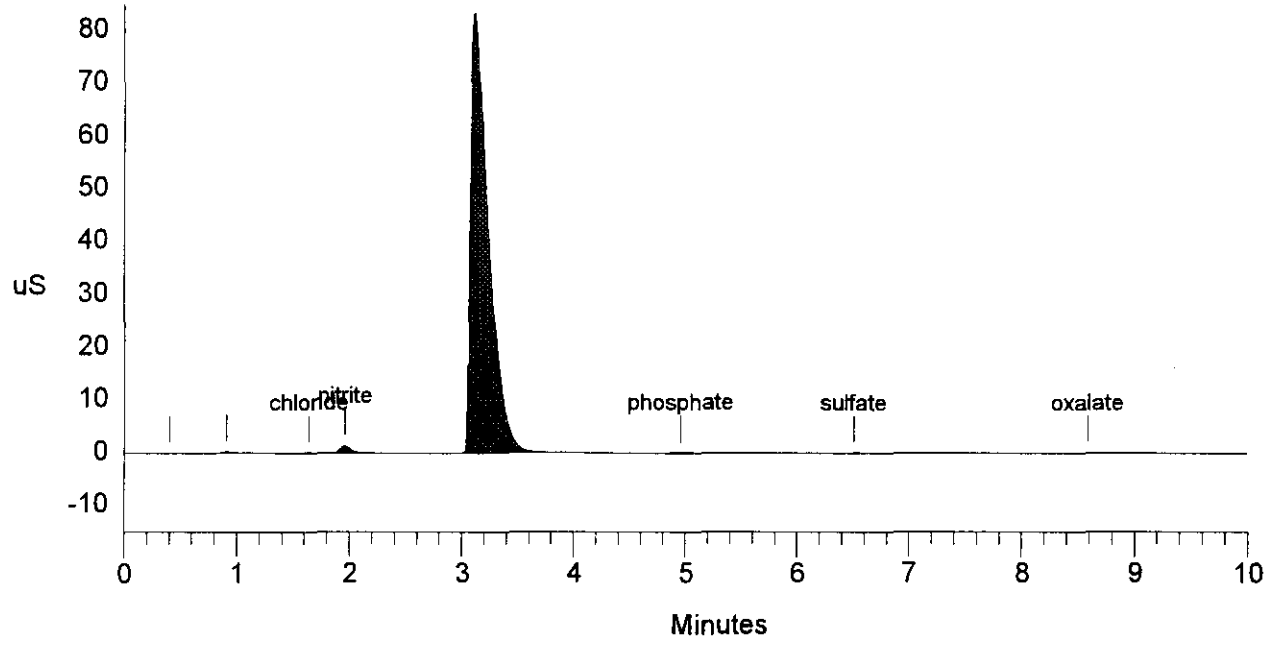
Sample Name: S96T001875	Date: 05/27/1996 02:19:05
Data File : C:\DX\DATA\96052751.d14	
Method : C:\DX\METHOD\KIT.MET	
ACI Address: 1 System: 1 Inject#: 14	Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column	

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	41	3000	5Hz	0.00	10.00	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.40		0.000	15	188	1	
2	0.91		0.000	245	1574	1	
3	1.64	chloride	3.384	182	1097	1	-0.81
4	1.96	nitrite	42.204	1375	8840	1	-2.65
5	3.12	nitrate	3322.893	83273	924846	1	-5.84
6	4.96	phosphate	10.572	70	929	1	0.54
7	6.51	sulfate	5.170	42	691	1	0.00
8	8.59	oxalate	4.486	28	479	1	0.63
		Totals	3388.710	85231	938644		

File: 96052751.d14 Sample: S96T001875



Data Reprocessed On 05/28/1996 10:56:17

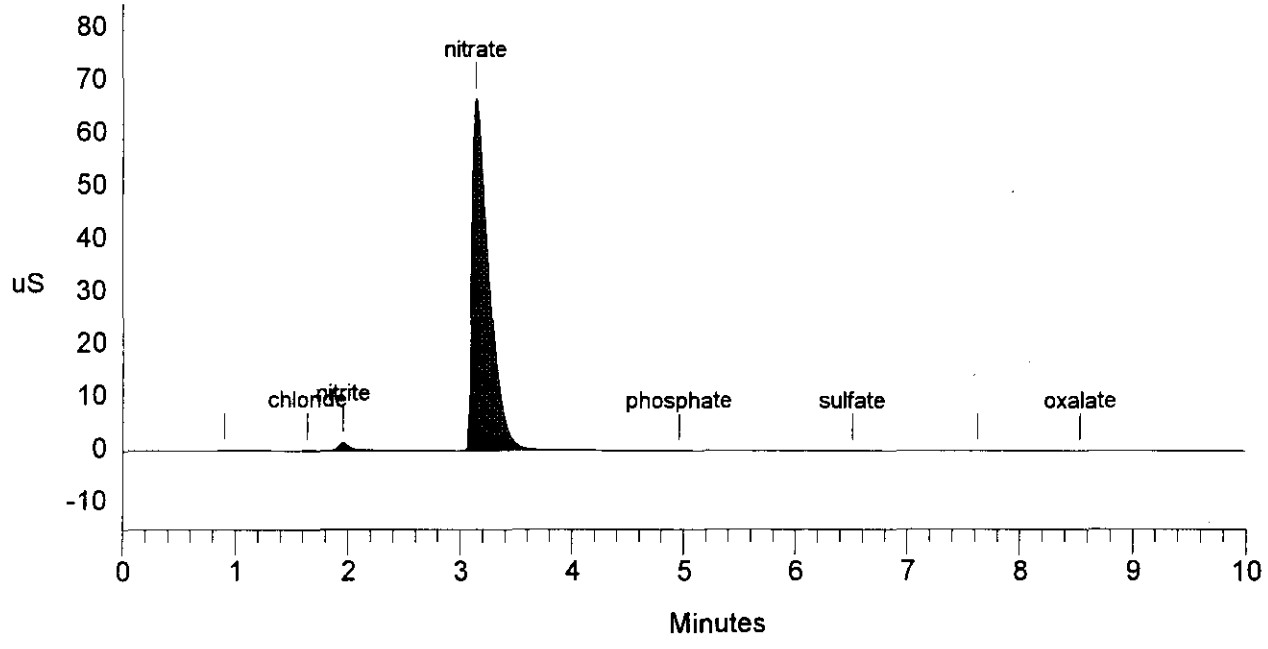
Sample Name: S96T001876 Date: 05/27/1996 02:34:17
Data File : C:\DX\DATA\96052751.d15
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 15 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3000	5Hz	0.00	10.00		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.90		0.000	174	1034	1	
2	1.64	chloride	3.635	208	1178	1	-0.81
3	1.95	nitrite	44.921	1460	9469	1	-2.98
4	3.14	nitrate	2748.430	66704	701536	1	-5.23
5	4.96	phosphate	5.744	32	449	1	0.54
6	6.51	sulfate	5.198	41	698	1	0.00
7	7.63		0.000	25	502	1	
8	8.53	oxalate	5.089	24	603	1	0.00
		Totals	2813.016	68669	715470		

File: 96052751.d15 Sample: S96T001876



Data Reprocessed On 05/28/1996 10:56:20

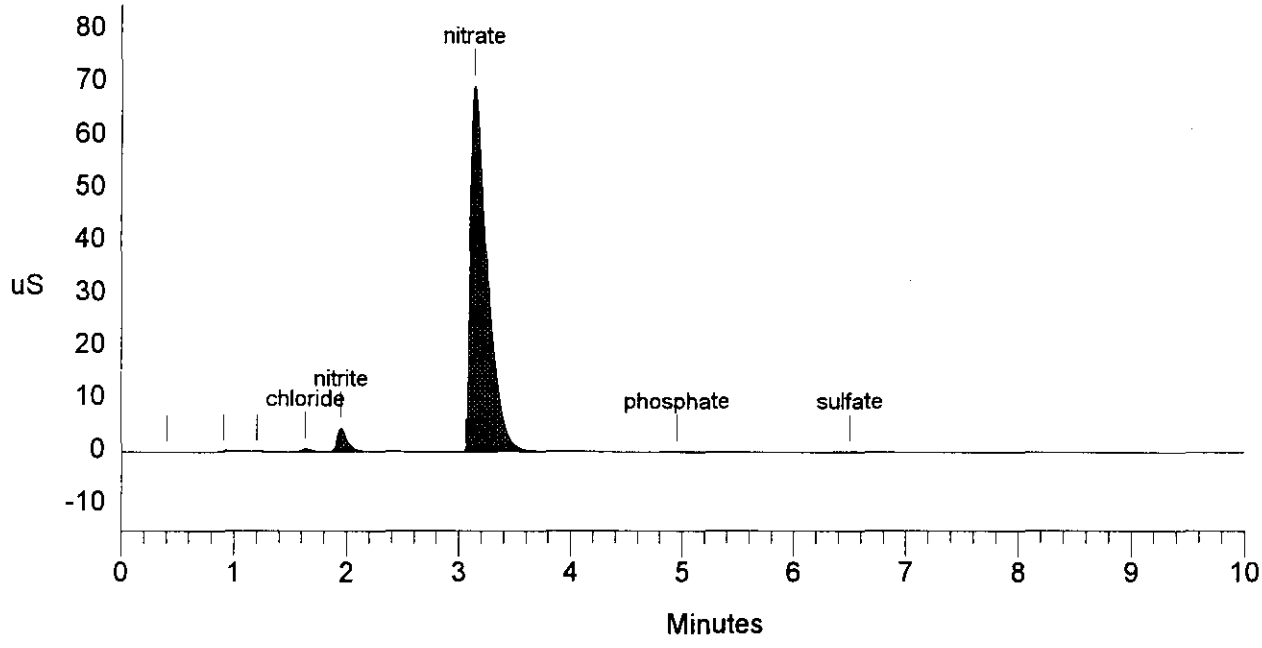
Sample Name: S96T002160 Date: 05/27/1996 02:46:24
Data File : C:\DX\DATA\96052751.d16
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 16 Detector:CDM-1
Analyst : Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	41	3000	5Hz	0.00	10.00		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.41		0.000	24	340	1	
2	0.91		0.000	218	1490	2	
3	1.21		0.000	152	1794	2	
4	1.64	chloride	11.205	627	3648	1	-0.81
5	1.95	nitrite	128.872	4470	28996	1	-2.98
6	3.14	nitrate	2841.641	69322	734263	1	-5.23
7	4.96	phosphate	18.849	124	1752	1	0.54
8	6.51	sulfate	11.297	131	2293	1	0.00
		Totals	3011.864	75068	774575		

File: 96052751.d16 Sample: S96T002160



05/20/96 14:20
A-0004-1

LABCORE Data Entry Template for Worklist# 8980

Analyst: R. J. **Instrument:** IC00 IC01 **Book#** 136N9-A

Method: LA-533-105 **Rev/Mod** D-1

Worklist Comment: U-107. Direct liquid. new

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	SAMPLE	S96T001866	0		@IC-01	LIQUID	96000422	U-107
		Analytes Requested:			BR-02, CL-02, F-02, NO2-02, NO3-02, OXALATE2, PO4-02, SO4-02			
4	DUP	S96T001866	0		@IC-01	LIQUID		

Final page for worklist # 8980

Rae Lynn Drum 5-29-96
Analyst Signature **Date**

Analyst Signature **Date**

Exported
8980 may.csv
JMSzell 6/4/96 JMF

uploaded 6/12/96 JM Fuge

Data Entry Comments:

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 8980

Analyst: rag **Instrument:** IC01 **Book#** 136N94

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-107. Direct liquid. new

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1	<1.20e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1	<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1	<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1	<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1	<1.40e-1		ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01	5.76e+01	97.62	Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01	7.24e+01	91.64	Recovery
2	CCV			0	@IC-QC	NO2	QC	5.48e02	5.08e+02	92.88	Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02	5.46e+02	94.95	Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02	5.99e+02	97.55	Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02	5.24e+02	95.97	Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02	6.08e+02	96.51	Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.15e02	5.04e+02	98.05	Recovery
3	SAMPLE	S96T001866		0	@IC-01	F-02	LIQUID	N/A	5.21e+00	5.21	ug/mL
3	SAMPLE	S96T001866		0	@IC-01	CL-02	LIQUID	N/A	3.88e+02	6.81	ug/mL
3	SAMPLE	S96T001866		0	@IC-01	NO2-02	LIQUID	N/A	4.52e+03	42.91	ug/mL
3	SAMPLE	S96T001866		0	@IC-01	BR-02	LIQUID	N/A	1.55e+03	50.52	ug/mL
3	SAMPLE	S96T001866		0	@IC-01	NO3-02	LIQUID	N/A	1.50e+04	56.14	ug/mL
3	SAMPLE	S96T001866		0	@IC-01	PO4-02	LIQUID	N/A	8.97e+03	47.68	ug/mL
3	SAMPLE	S96T001866		0	@IC-01	SO4-02	LIQUID	N/A	3.14e+02	54.50	ug/mL
3	SAMPLE	S96T001866		0	@IC-01	OXALATE2	LIQUID	N/A	1.97e+03	42.10	ug/mL
4	DUP	S96T001866		0	@IC-01	F-02	LIQUID	<5.21e0	<5.21e0		RPD
4	DUP	S96T001866		0	@IC-01	CL-02	LIQUID	3.88e+02	4.00e+02	3.04	RPD
4	DUP	S96T001866		0	@IC-01	NO2-02	LIQUID	4.53e+03	4.65e+03	2.82	RPD
4	DUP	S96T001866		0	@IC-01	BR-02	LIQUID	1.55e+03	1.56e+03	0.64	RPD
4	DUP	S96T001866		0	@IC-01	NO3-02	LIQUID	1.50e+04	1.49e+04	0.66	RPD
4	DUP	S96T001866		0	@IC-01	PO4-02	LIQUID	8.98e+03	9.09e+03	1.21	RPD
4	DUP	S96T001866		0	@IC-01	SO4-02	LIQUID	3.15e+02	3.47e+02	10.24	RPD
4	DUP	S96T001866		0	@IC-01	OXALATE2	LIQUID	1.98e+03	1.98e+03	0.00	RPD

Final page for worklist# 8980

Analyst Signature **Date** **Analyst Signature** **Date**

Jann Frye 6/12/96

Validated 6/12/96 JMF

Units shown for QC (BLK/BKG) may not reflect the actual units.

A-0010-IC DATA FILE/WORKLIST RESOLUTION 12-Jun-96

Worklist#: 8980

		Seq	Type	Sample #
-	=>	1	CCB	
	=>	2	CCV	
	=>	3	SAMPLE	S96T001866
	=>	4	DUP	S96T001866
+				

Data File: 8980MAY.CSV

	Seq#	Data File	Sample Name	Dilution
-	2	96052901.d15	STD 136N9-A	101.00
	1	96052901.d16	BLANK	1.00
	3	96052911.d02	S96T001866	401.00
	4	96052911.d03	S96T001866 DUP	401.00
+				

Save(F4) Abort(Shift-F3) ListFiles(Shift-F1) UploadFile(F8)

Sample Name: STD 136N9-A Date: 05/29/1996 11:30:17
Data File : C:\DX\DATA\96052901.D15
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 15 Detector:CDM-1
Analyst Rae Ann Green Column: AG4A/AS4A anion column

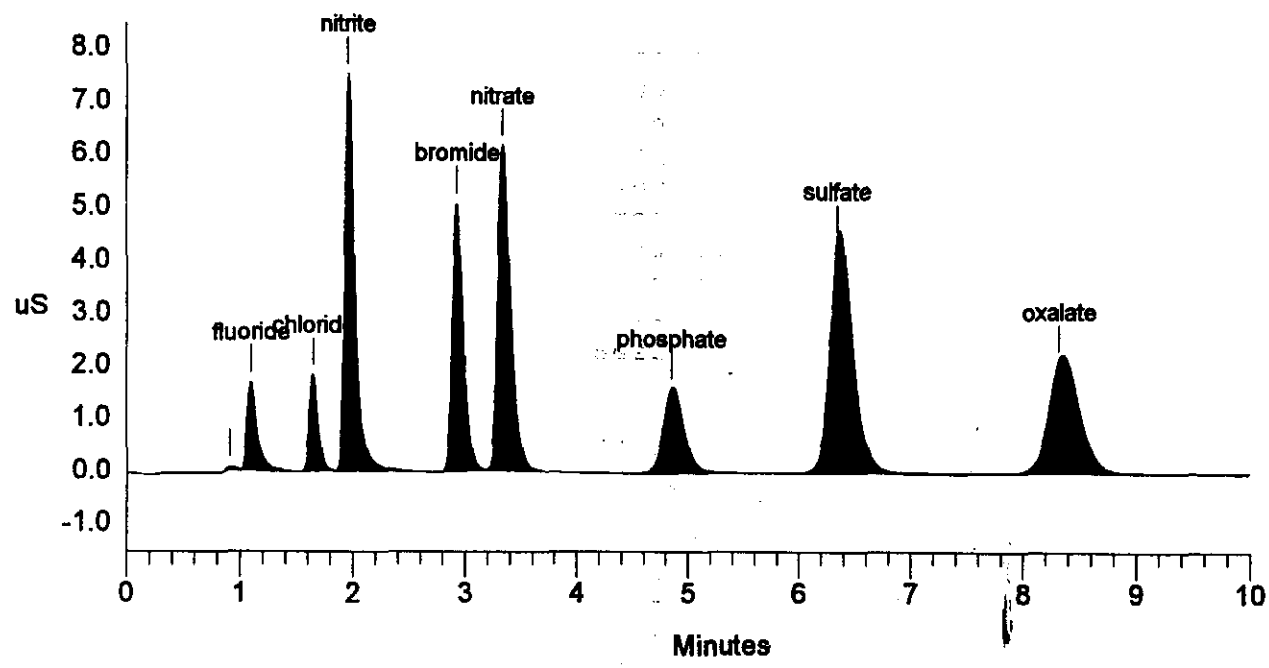
5/29/96

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	101	3000	5Hz	0.00	10.00		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	62	314	2	
2	1.10	fluoride	57.642	1667	10309	2	3.13
3	1.65	chloride	72.407	1821	9650	1	-0.40
4	1.96	nitrite	509.176	7489	47252	1	-2.65
5	2.93	bromide	546.258	5055	34038	1	-1.13
6	3.33	nitrate	599.031	6117	49002	1	0.60
7	4.85	phosphate	523.649	1586	21346	1	-1.62
8	6.35	sulfate	608.569	4370	65031	1	-2.46
9	8.32	oxalate	505.269	2105	42270	1	-2.50
		Totals	3422.000	30271	279211		

File: 96052901.D15 Sample: STD 136N9-A



SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 454 TO 457.

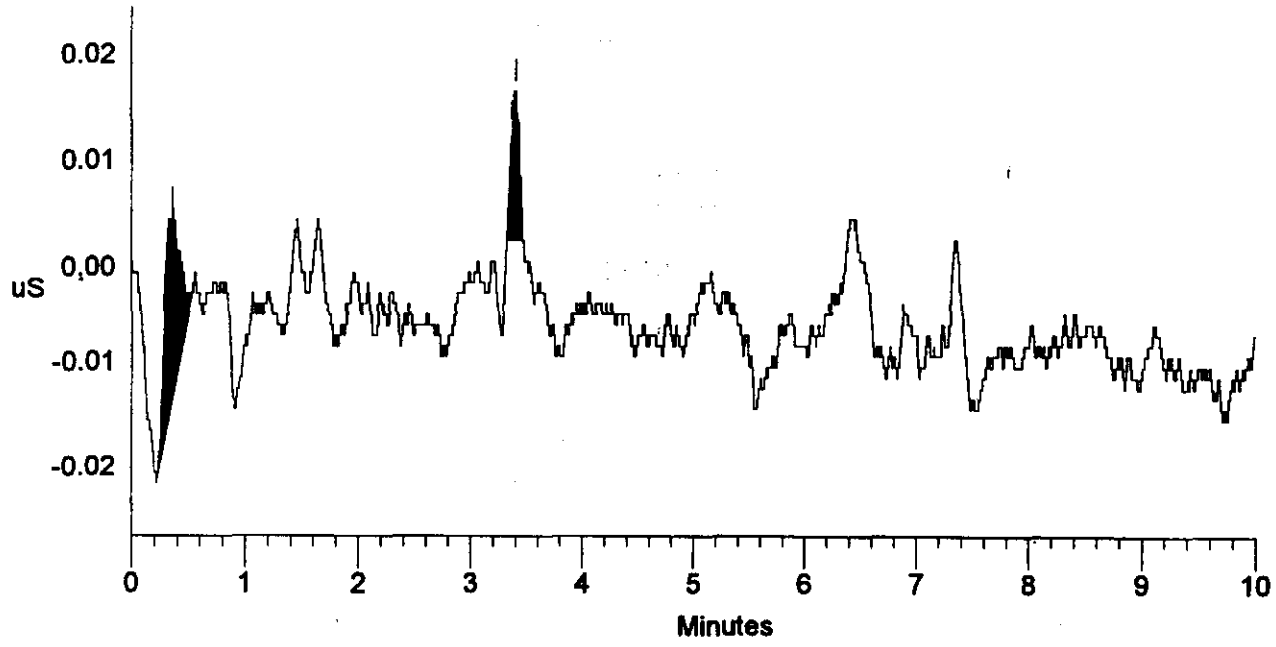
Sample Name: BLANK Date: 05/29/1996 11:49:30
Data File : C:\DX\DATA\96052901.D16
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-184, REV. 1
ACI Address: 1 System: 1 Inject#: 16 Detector:CDM-1
Analyst : Rae Ann Green Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	1	3000	5Hz	0.00	10.00	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.36		0.000	17	171	1	
		Totals	0.000	17	171		

File: 96052901.D16 Sample: BLANK



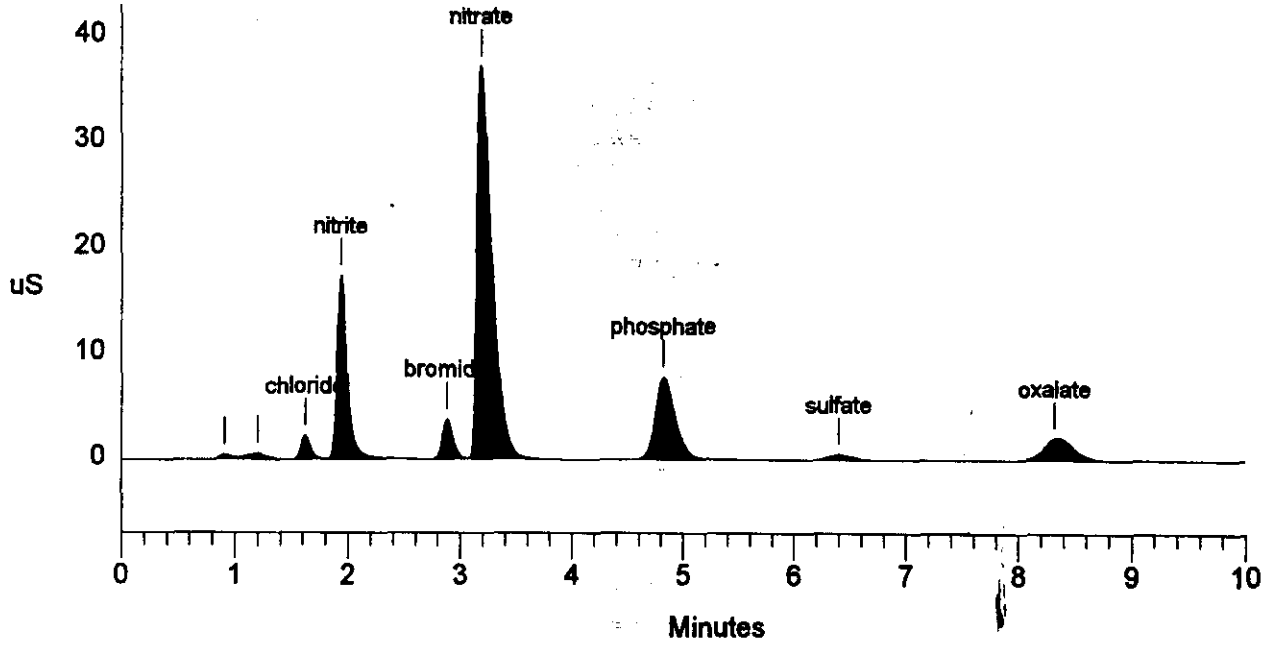
Sample Name: S96T001866 Date: 05/29/1996 15:13:16
Data File : C:\DX\DATA\96052911.D02 WHC-SD-WM-DP-184, REV. 1
Method : C:\DX\METHOD\KIT.MET
ACI Address: 1 System: 1 Inject#: 2 Detector:CDM-1
Analyst : Rae Ann Green Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
External	1	401	3000	5Hz	0.00	10.00		100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	362	2236	2	
2	1.20		0.000	593	6872	2	
3	1.62	chloride	388.323	2275	13095	1	-2.02
4	1.94	nitrite	4526.253	17319	108428	1	-3.64
5	2.88	bromide	1551.084	3776	24047	1	-2.70
6	3.19	nitrate	15014.709	37000	345748	1	-3.82
7	4.83	phosphate	8975.075	7844	98917	1	-2.16
8	6.40	sulfate	314.880	529	7766	1	-1.64
9	8.32	oxalate	1974.877	2128	41600	1	-2.50
		Totals	32745.200	71826	648711		

File: 96052911.D02 Sample: S96T001866



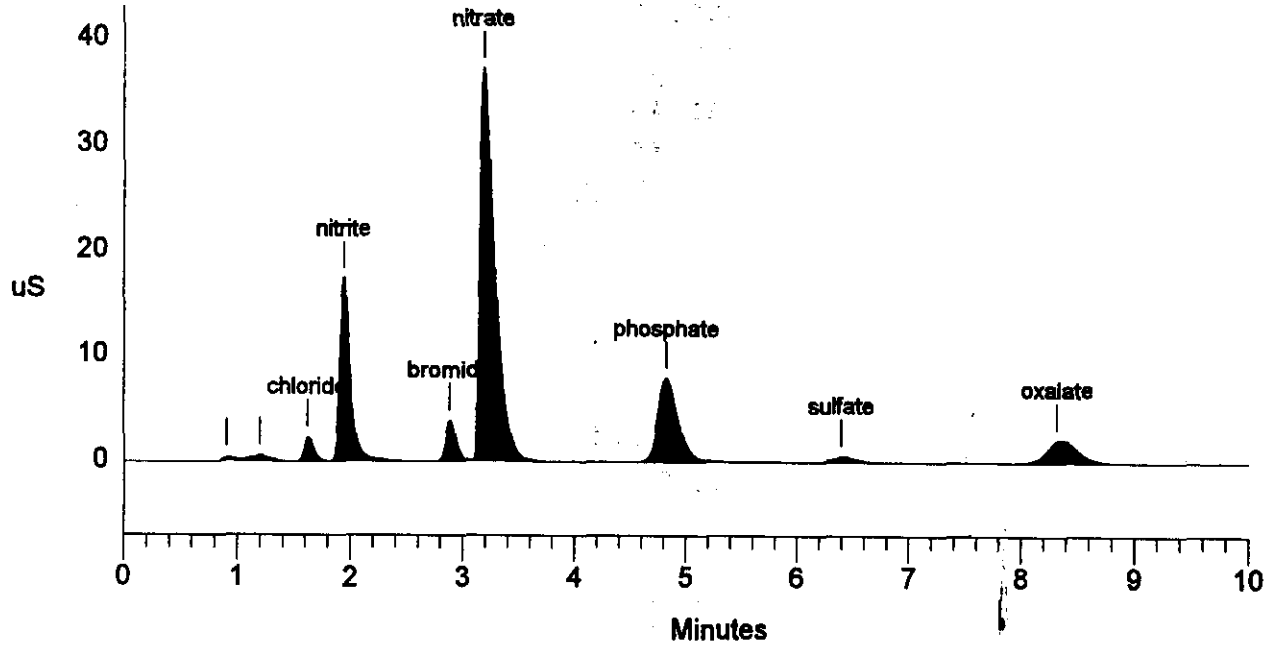
Sample Name: S96T001866 DUP Date: 05/29/1996 15:29:59
Data File : C:\DX\DATA\96052911.D03
Method : C:\DX\METHOD\KIT.MET WHC-SD-WM-DP-184, REV. i
ACI Address: 1 System: 1 Inject#: 3 Detector:CDM-1
Analyst : Rae Ann Green Column: AG4A/AS4A anion column

Calibration	Volume	Dilution	Points	Rate	Start	Stop	Area Reject
External	1	401	3000	5Hz	0.00	10.00	100

********** Peak Report: All Peaks **********

Pk. Num	Ret Time	Component Name	Concentration ug/ml	Height	Area	Bl. Code	%Delta
1	0.91		0.000	367	2278	2	
2	1.20		0.000	578	6609	2	
3	1.62	chloride	400.376	2309	13509	1	-2.02
4	1.94	nitrite	4661.124	17351	111772	1	-3.64
5	2.89	bromide	1558.866	3815	24173	1	-2.48
6	3.19	nitrate	14921.503	37042	343322	1	-3.82
7	4.83	phosphate	9087.318	7895	100276	1	-2.16
8	6.40	sulfate	349.023	543	8682	1	-1.64
9	8.32	oxalate	1979.335	2137	41696	1	-2.50
		Totals	32957.545	72039	652318		

File: 96052911.D03 Sample: S96T001866 DUP



LABCORE Data Entry Template for Worklist# 9629

Analyst: KBQ **Instrument:** IC00 _____ **Book#** 136N9A

Method: LA-533-105 **Rev/Mod** D-1

Worklist Comment: U-107 IC. RCJ

RERUN **RUSH**

S	Type	Sample#	R	A	Test	Matrix	Group#	Project
1	CCB				@IC-QC	QC		
2	CCV				@IC-QC	QC		
3	SAMPLE	S96T001119	0		@IC-01	LIQUID	96000126	U-107
		Analytes Requested:			BR-02 , CL-02 , F-02 , NO2-02 , NO3-02 , OXALATE2, PO4-02 , SO4-02			
4	DUP	S96T001119	0		@IC-01	LIQUID		
5	SPK	S96T001119	0		@IC-01	LIQUID		

Final page for worklist # 9629

[signature] 6/5/96
Analyst Signature **Date**

Analyst Signature **Date**

[signature] 6/5/96

Exported 9629 ~~JUN~~ JN2 CSV 6-10-96
[initials] 6-10-96

In Shell 6-10-96

uploaded 6/11/96 [signature]

Data Entry Comments:

S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Completed Worklist Report for Worklist# 9629

Analyst: krq **Instrument:** IC01 **Book#** 136094

Method: LA-533-105 Rev/Mod D-1

Worklist Comment: U-107 IC. RCJ

Seq	Type	Sample#	R	A	Test		Matrix	Actual	Found	DL or Yield	Unit
1	CCB			0	@IC-QC	F	QC	1	<1.30e-2		ug/mL
1	CCB			0	@IC-QC	CL	QC	1	<1.70e-2		ug/mL
1	CCB			0	@IC-QC	NO2	QC	1	<1.07e-1		ug/mL
1	CCB			0	@IC-QC	BR	QC	1	<1.26e-1		ug/mL
1	CCB			0	@IC-QC	NO3	QC	1	<1.40e-1		ug/mL
1	CCB			0	@IC-QC	PO4	QC	1	<1.19e-1		ug/mL
1	CCB			0	@IC-QC	SO4	QC	1	<1.36e-1		ug/mL
1	CCB			0	@IC-QC	OXALATE2	QC	1	<1.05e-1		ug/mL
2	CCV			0	@IC-QC	F	QC	5.90e01	5.94e+01	100.678	% Recovery
2	CCV			0	@IC-QC	CL	QC	7.90e01	7.31e+01	92.532	% Recovery
2	CCV			0	@IC-QC	NO2	QC	5.48e02	5.33e+02	97.263	% Recovery
2	CCV			0	@IC-QC	BR	QC	5.75e02	5.72e+02	99.478	% Recovery
2	CCV			0	@IC-QC	NO3	QC	6.14e02	6.23e+02	101.466	% Recovery
2	CCV			0	@IC-QC	PO4	QC	5.46e02	5.53e+02	101.282	% Recovery
2	CCV			0	@IC-QC	SO4	QC	6.31e02	6.41e+02	101.585	% Recovery
2	CCV			0	@IC-QC	OXALATE2	QC	5.15e02	5.31e+02	103.107	% Recovery
3	SAMPLE	S96T001119		0	@IC-01	F-02	LIQUID	N/A <	6.696e+01	66.960	ug/mL
3	SAMPLE	S96T001119		0	@IC-01	CL-02	LIQUID	N/A	8.803e+03	87.570	ug/mL
3	SAMPLE	S96T001119		0	@IC-01	NO2-02	LIQUID	N/A	1.063e+05	551.200	ug/mL
3	SAMPLE	S96T001119		0	@IC-01	BR-02	LIQUID	N/A	4.057e+03	649.000	ug/mL
3	SAMPLE	S96T001119		0	@IC-01	NO3-02	LIQUID	N/A	2.267e+05	721.100	ug/mL
3	SAMPLE	S96T001119		0	@IC-01	PO4-02	LIQUID	N/A	2.898e+03	612.500	ug/mL
3	SAMPLE	S96T001119		0	@IC-01	SO4-02	LIQUID	N/A	3.281e+03	700.000	ug/mL
3	SAMPLE	S96T001119		0	@IC-01	OXALATE2	LIQUID	N/A <	5.409e+02	540.900	ug/mL
4	DUP	S96T001119		0	@IC-01	F-02	LIQUID	<6.70e1	<6.70e1		RPD
4	DUP	S96T001119		0	@IC-01	CL-02	LIQUID	8.81e+03	8.94e+03	1.465	RPD
4	DUP	S96T001119		0	@IC-01	NO2-02	LIQUID	1.06e+05	1.09e+05	2.791	RPD
4	DUP	S96T001119		0	@IC-01	BR-02	LIQUID	4.06e+03	4.08e+03	0.491	RPD
4	DUP	S96T001119		0	@IC-01	NO3-02	LIQUID	2.27e+05	2.25e+05	0.885	RPD
4	DUP	S96T001119		0	@IC-01	PO4-02	LIQUID	2.90e+03	3.08e+03	6.020	RPD
4	DUP	S96T001119		0	@IC-01	SO4-02	LIQUID	3.28e+03	3.17e+03	3.411	RPD
4	DUP	S96T001119		0	@IC-01	OXALATE2	LIQUID	<5.41e2	<5.41e2		RPD
5	SPK	S96T001119		0	@IC-01	F-02	LIQUID	5.90e01	1.7[illegible]e+01	29.831	% Recovery
5	SPK	S96T001119		0	@IC-01	CL-02	LIQUID	7.90e01	7.[illegible]e+01	93.759	% Recovery
5	SPK	S96T001119		0	@IC-01	NO2-02	LIQUID	5.48e02	5.6[illegible]e+02	102.190	% Recovery
5	SPK	S96T001119		0	@IC-01	BR-02	LIQUID	5.75e02	5.3[illegible]e+02	93.739	% Recovery
5	SPK	S96T001119		0	@IC-01	NO3-02	LIQUID	6.14e02	4.7[illegible]e+02	76.547	% Recovery
5	SPK	S96T001119		0	@IC-01	PO4-02	LIQUID	5.46e02	5.1[illegible]e+02	93.773	% Recovery
5	SPK	S96T001119		0	@IC-01	SO4-02	LIQUID	6.31e02	6.1[illegible]e+02	96.830	% Recovery
5	SPK	S96T001119		0	@IC-01	OXALATE2	LIQUID	5.15e02	5.1[illegible]e+02	99.223	% Recovery

Units shown for QC (BLK/BKG) may not reflect the actual units.