

SEMI-ANNUAL GROUND WATER
MONITORING QAULTY ASSURANCE
REPORT

FIRST HALF OF 2005
(JANUARY AND APRIL)

UNITED NUCLEAR CORPORATION



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CERTIFIED – RETURN RECEIPT REQUEST

August 15, 2005

Mr. Mark Purcell,
U.S. Environmental Protection Agency
OK/NM Superfund (6EN-HX)
1445 Ross Avenue
Dallas, TX 75202-2733

Re: Semi-Annual Ground Water Monitoring Quality Assurance Report
First Half of 2005

Dear Mr. Purcell:

In accordance with Section V.A. 15 of the Administrative Order for the Church Rock Site, I have enclosed a report regarding the performance of the ground water monitoring quality assurance procedures during the first half of 2005.

Two quarterly sampling episodes occurred in the first half of 2005 (i.e. January and April).

Sincerely,

A handwritten signature in cursive script, reading "Max Chischilly, Jr.".

Max Chischilly, Jr.
Radiation Safety Officer

MC:drb

Enclosure

Cc: NRC, Rockville, MD
NRC, Arlington, TX
Roy Blickwedel, GE
Steve Hill, GE
Robin Brown, NMED
Diana Malone, NNEPA
Mark Jancin, NA Water Systems
Bill Von Till, NRC

SEMI-ANNUAL QUALITY ASSURANCE
CHURCH ROCK SITE
JANUARY AND APRIL OF 2005 SAMPLING EVENTS
AUGUST - 2005

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1.0 REQUIREMENTS

The quality assurance and control procedures are contained in Sec. 3.0 of the Remedial Action Plan of Church Rock Site dated April 1989. The procedure address sampling, chain of custody, laboratory quality control, and data validation. These requirements became effective July 3, 1989, when United Nuclear received the Administration Order on the Church Rock Site from the Environmental Protection Agency (EPA).

2.0 FIELD SAMPLING PROCEDURES AND QA/QC REPORT

Copies of the 2005 quarterly (1st and 2nd) field low flow purging and sampling data sheets, are included in Appendix A. These sheets indicate the field parameter of pH, temperature, conductivity, and the water level drop in the well if any, during the sampling. The quarterly QA/QC Field Blank and Duplicate analysis report are included in Appendix B.

3.0 CHAIN OF CUSTODY

Copies of the quarterly Chain of Custody report are included in Appendix C. Energy Laboratories, Inc., our contact laboratory is located in Casper, Wyoming. Energy Labs inspect the sample shipment upon arrival to verify the information on the Chain of Custody form and to determine if sample arrives at the appropriate temperature.

4.0 LABORATORY CONTROL

Copies of the quarterly internal Quality Control reports prepared by Energy Laboratories and associated EPA performance evaluations are included in Appendix D.

5.0 DATA EVALUATION

Analytical reports are reviewed by the Church Rock Manager, and Radiation Safety Officer after receipt from Energy Labs. Significant increase or decrease and out of range values are identified and the laboratory is requested to recheck the suspect values. The laboratory responds by checking transcription for these items, and where necessary, repeats the analysis. A revised report is then issued for that sample if an error is discovered.

APPENDIX – A

**QUARTERLY
FIELD DATA SHEET**

Standard Verification Check

STD. PH Reading Date/Time Initial GROUND WATER MONITORING FIELD DATA SHEET
 4-Buffer 3.98 1-3-04/0852 12
 7-Buffer 7.03 1-3-04/0854 12
 1ST QUARTER 2005
 SAMPLING

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Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st Cond.	Reading 2nd Cond.	Reading Stable Cond.	Reading Ending Cond.
1-3-05	509-D	72.70'	72.73'	4,530	5,570	5,730	5,920
	Time 0930	Bubbler Start	Bubbler End	1st pH 6.77	2nd pH 6.71	Stable pH 6.59	Ending pH 6.51
				1st Temp. 10.2	2nd Temp. 10.8	Stable Temp. 11.1	Ending Temp. 11.1
				Comments: CONDUCTIVITY IS IN $\mu S/cm$ TEMPERATURE IS IN $^{\circ}C$ PH IS IN STD. UNITS			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st Cond.	Reading 2nd Cond.	Reading Stable Cond.	Reading Ending Cond.
1-3-05	EPA-23	50.34'	50.64'	3,450	4,380	4,470	4,490
	Time 1010	Bubbler Start	Bubbler End	1st pH 7.23	2nd pH 7.10	Stable pH 6.83	Ending pH 6.72
				1st Temp. 10.2	2nd Temp. 10.5	Stable Temp. 10.8	Ending Temp. 11.4
				Comments: ELECTRONIC WATER LEVEL METER WAS MALFUNCTIONING ON 1-3-05.			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st Cond.	Reading 2nd Cond.	Reading Stable Cond.	Reading Ending Cond.
1-3-05	803	58.70'	58.88'	2,390	6,000	6,510	6,500
	Time 1040	Bubbler Start	Bubbler End	1st pH 6.62	2nd pH 6.58	Stable pH 6.55	Ending pH 6.51
				1st Temp. 10.7	2nd Temp. 11.0	Stable Temp. 11.4	Ending Temp. 12.4
				Comments:			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st Cond.	Reading 2nd Cond.	Reading Stable Cond.	Reading Ending Cond.
1-3-05	808	46.35'	46.45'	3,560	6,190	6,710	6,760
	Time 1110	Bubbler Start	Bubbler End	1st pH 6.85	2nd pH 6.78	Stable pH 6.60	Ending pH 6.58
				1st Temp. 11.2	2nd Temp. 11.5	Stable Temp. 11.7	Ending Temp. 11.9
				Comments:			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st Cond.	Reading 2nd Cond.	Reading Stable Cond.	Reading Ending Cond.
1-3-05	802	44.95'	44.98'	5,890	6,740	6,710	7,970
	Time 1135	Bubbler Start	Bubbler End	1st pH 6.75	2nd pH 7.51	Stable pH 7.60	Ending pH 6.57
				1st Temp. 11.9	2nd Temp. 12.0	Stable Temp. 12.0	Ending Temp. 11.7
				Comments:			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st Cond.	Reading 2nd Cond.	Reading Stable Cond.	Reading Ending Cond.
1-3-05	801	48.50'	49.60'	4,460	5,770	6,170	6,490
	Time 1330	Bubbler Start	Bubbler End	1st pH 6.92	2nd pH 6.91	Stable pH 6.69	Ending pH 6.54
				1st Temp. 11.0	2nd Temp. 11.0	Stable Temp. 10.9	Ending Temp. 11.0
				Comments:			

Standard Verification Check

STD. PH Reading Date/Time Initial GROUND WATER MONITORING FIELD DATA SHEET

4-Buffer 3.96 1-4-05/0845 12

7-Buffer 7.03 1-4-05/0850 12

1ST QUARTER 2005
SAMPLING

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Date	Well Number	WL w/Probe	WL w/Probe	Reading		Reading		Reading		Reading		
		Pre-Sample	Post Sample	1st Cond.	2nd Cond.	Stable Cond.	Ending Cond.	1st pH	2nd pH	Stable pH	Ending pH	
1-3-05	GW-2	53.40'	53.90'	4,720	6,210	6,450	6,570	6.64	6.60	6.57	6.48	
		Time	Bubbler Start	Bubbler End	1st Temp. 6.8 2nd Temp. 6.7 Stable Temp. 7.1 Ending Temp. 9.7							
		1400			Comments:							
1-3-05	GW-1	59.33'	59.35'	2,230	5,630	5,980	6,500	7.520	7.42	6.93	6.70	
		Time	Bubbler Start	Bubbler End	1st Temp. 10.0 2nd Temp. 10.3 Stable Temp. 10.5 Ending Temp. 10.7							
		1433			Comments:							
1-3-05	632	41.89'	42.12'	5,390	5,810	6,970	7,330	7.11	7.06	6.72	6.49	
		Time	Bubbler Start	Bubbler End	1st Temp. 9.8 2nd Temp. 10.2 Stable Temp. 10.4 Ending Temp. 10.9							
		1505			Comments:							
1-4-05	624	49.20'	49.24'	3,350	4,230	5,070	5,480	6.87	6.87	6.87	6.87	
		Time	Bubbler Start	Bubbler End	1st Temp. 11.6 2nd Temp. 11.4 Stable Temp. 11.2 Ending Temp. 11.2							
		0930	13.322'	13.308'	Comments: PH/COND. METER #1 IS MALFUNCTIONING AND REPLACED IT WITH #2. RECALIBRATION IS: STD. 4.0 3.99 1-4-05/1000 7.0 7.05 1-4-05/1005							
1-4-05	624 DUPLICATE	49.24'	49.26'	5,480	5,490	5,500	5,470	6.87	6.87	6.87	6.87	
		Time	Bubbler Start	Bubbler End	1st Temp. 11.2 2nd Temp. 11.2 Stable Temp. 11.1 Ending Temp. 11.4							
		0950	13.308'	13.303'	Comments:							
1-4-05	EPA-28	60.90'	61.03'	2,330	4,780	4,860	5,150	7.21	7.19	7.06	6.92	
		Time	Bubbler Start	Bubbler End	1st Temp. 12.5 2nd Temp. 11.9 Stable Temp. 11.0 Ending Temp. 12.2							
		1020	9.487'	9.430'	Comments:							

Standard Verification Check

STD. PH Reading Date/Time Initial GROUND WATER MONITORING FIELD DATA SHEET
 4-Buffer 4.06 1-5-05/0900 W
 7-Buffer 7.12 1-5-05/0905 W
 1ST QUARTER 2005
 SAMPLING

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Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st Cond.	Reading 2nd Cond.	Reading Stable Cond.	Reading Ending Cond.
1-4-05	613	78.23'	78.85'	6,640	9,810	10,640	10,810
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1155	6.488'	5.885'	3.49	3.20	3.01	2.86
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				13.9	12.7	12.2	12.8
				Comments:			
1-4-05	GW-3	50.55'	50.08'	2,060	4,090	5,320	6,100
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1345	4.982'	4.415'	4.96	5.98	5.49	6.68
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				22.2	15.3	12.1	10.2
				Comments:			
1-4-05	EPA-25	51.57'	51.72'	2,180	4,170	4,230	4,860
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1430	9.322'	9.222'	7.41	7.31	7.27	7.07
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				8.8	9.2	9.7	9.6
				Comments:			
1-5-05	614	100.90'	101.33'	6,520	6,820	6,970	7,640
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	0930	5.575'	5.194'	6.90	6.98	6.98	6.48
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				7.6	8.1	8.2	9.2
				Comments:			
1-5-05	515-A	100.65'	103.44'	6,390	7,770	7,640	7,600
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1010	8.623'	5.612'	7.25	7.06	6.85	5.52
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				5.5	6.1	7.7	9.0
				Comments:			
1-5-05	604	99.36'	99.91'	5,800	6,880	6,920	6,900
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1050	8.220'	9.635'	5.55	5.44	5.38	4.95
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				6.7	7.0	7.9	9.8
				Comments:			

Standard Verification Check

STD. PH Reading Date/Time Initial GROUND WATER MONITORING FIELD DATA SHEET
 4-Buffer 3.91 1-10-05/0830 ME
 7-Buffer 7.04 1-10-05/0835 ME

1ST QUARTER 2005
 SAMPLING

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Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st Cond.	Reading 2nd Cond.	Reading Stable Cond.	Reading Ending Cond.
1-5-05	FIELD BLANK Time 1155			1st pH 6.58	2nd pH	Stable pH	Ending pH
		Bubbler Start	Bubbler End	1st Temp. 3.4	2nd Temp.	Stable Temp.	Ending Temp.
				Comments:			
1-10-05	TwQ-142 Time 0900			1st Cond. 1,048	2nd Cond. 1,535	Stable Cond. 1,677	Ending Cond. 1,691
		200.99'	201.76'	1st pH 7.08	2nd pH 7.23	Stable pH 7.34	Ending pH 7.72
		Bubbler Start	Bubbler End	1st Temp. 12.5	2nd Temp. 12.2	Stable Temp. 11.8	Ending Temp. 12.8
		19.758'	19.080'	Comments:			
1-10-05	NBL-1 Time 0935			1st Cond. 2,110	2nd Cond. 3,720	Stable Cond. 4,020	Ending Cond. 4,080
		171.34'	171.41'	1st pH 7.02	2nd pH 6.62	Stable pH 6.46	Ending pH 6.27
		Bubbler Start	Bubbler End	1st Temp. 11.6	2nd Temp. 11.4	Stable Temp. 11.3	Ending Temp. 11.7
		11.388	11.356	Comments:			
1-10-05	504-B Time 1055			1st Cond. 2,370	2nd Cond. 5,040	Stable Cond. 5,840	Ending Cond. 5,700
		161.11'	161.50'	1st pH 4.19	2nd pH 3.60	Stable pH 3.32	Ending pH 5.31
		Bubbler Start	Bubbler End	1st Temp. 12.8	2nd Temp. 12.4	Stable Temp. 12.1	Ending Temp. 12.7
		5.721'	5.575'	Comments:			
1-10-05	719 Time 1130			1st Cond. 3,710	2nd Cond. 4,300	Stable Cond. 4,900	Ending Cond. 4,750
		158.79'	159.33'	1st pH 3.41	2nd pH 3.26	Stable pH 3.11	Ending pH 3.32
		Bubbler Start	Bubbler End	1st Temp. 14.1	2nd Temp. 13.3	Stable Temp. 12.8	Ending Temp. 13.6
		6.097'	5.581'	Comments:			
1-10-06	420 Time 1300			1st Cond. 3,460	2nd Cond. 3,260	Stable Cond. 3,560	Ending Cond. 3,890
		138.15'	138.30'	1st pH 6.96	2nd pH 6.99	Stable pH 7.01	Ending pH 6.48
		Bubbler Start	Bubbler End	1st Temp. 16.2	2nd Temp. 14.6	Stable Temp. 13.3	Ending Temp. 13.2
		6.110'	5.900'	Comments:			

Standard Verification Check

STD. PH Reading Date/Time Initial GROUND WATER MONITORING FIELD DATA SHEET
 4-Buffer 3.93 1-11-05/0830 ✓
 7-Buffer 7.00 1-11-05/0835 ✓

1ST QUARTER 2005
 SAMPLING

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Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st Cond.	Reading 2nd Cond.	Reading Stable Cond.	Reading Ending Cond.
1-10-05	717	120.95'	120.95'	1st pH 7.25	2nd pH 7.21	Stable pH 7.25	Ending pH 6.51
	Time 1330	Bubbler Start 10.535'	Bubbler End 10.505'	1st Temp. 14.6	2nd Temp. 13.9	Stable Temp. 13.1	Ending Temp. 13.3
				Comments:			
1-10-05	EPA-14	109.50'	110.13'	1st Cond. 2,170	2nd Cond. 4,330	Stable Cond. 4,660	Ending Cond. 4,780
	Time 1400	Bubbler Start 3.585'	Bubbler End 3.683'	1st pH 7.19	2nd pH 7.02	Stable pH 7.03	Ending pH 6.19
				1st Temp. 11.7	2nd Temp. 11.4	Stable Temp. 11.3	Ending Temp. 11.4
				Comments:			
1-10-05	517	101.76'	105.08'	1st Cond. 3,220	2nd Cond. 5,040	Stable Cond. 5,060	Ending Cond. 4,780
	Time 1440	Bubbler Start 4.805'	Bubbler End 1.586'	1st pH 3.64	2nd pH 3.40	Stable pH 3.25	Ending pH 4.01
				1st Temp. 10.6	2nd Temp. 10.6	Stable Temp. 10.7	Ending Temp. 11.0
				Comments:			
1-10-05	708	148.98'	149.77'	1st Cond. 5,840	2nd Cond. 6,010	Stable Cond. 5,890	Ending Cond. 5,440
	Time 1510	Bubbler Start 9.337'	Bubbler End 8.576'	1st pH 3.13	2nd pH 2.87	Stable pH 2.77	Ending pH 3.61
				1st Temp. 9.1	2nd Temp. 9.5	Stable Temp. 9.9	Ending Temp. 11.0
				Comments:			
1-11-05	711	179.46'	179.97'	1st Cond. 3,490	2nd Cond. 4,810	Stable Cond. 5,400	Ending Cond. 4,970
	Time 0910	Bubbler Start 12.596'	Bubbler End 12.018'	1st pH 3.22	2nd pH 3.09	Stable pH 2.98	Ending pH 4.36
				1st Temp. 12.0	2nd Temp. 11.6	Stable Temp. 11.4	Ending Temp. 11.8
				Comments:			
1-11-05	711 DUPLICATE	179.97'	180.37'	1st Cond. 4,990	2nd Cond. 5,000	Stable Cond. 5,000	Ending Cond. 4,970
	Time 0930	Bubbler Start 12.018'	Bubbler End 11.665'	1st pH 4.36	2nd pH 4.42	Stable pH 4.44	Ending pH 4.82
				1st Temp. 11.9	2nd Temp. 11.6	Stable Temp. 11.5	Ending Temp. 12.1
				Comments:			

Standard Verification Check

STD. PH Reading Date/Time Initial GROUND WATER MONITORING FIELD DATA SHEET
 4-Buffer _____
 7-Buffer _____

1ST QUARTER 2005
 SAMPLING

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Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st Cond.	Reading 2nd Cond.	Reading Stable Cond.	Reading Ending Cond.
1-11-05	EPA-13	165.35'	166.28'	4,860	5,790	5,830	5,850
	Time 0955	Bubbler Start 7.480'	Bubbler End 6.603'	1st pH 6.07	2nd pH 5.99	Stable pH 5.85	Ending pH 5.97
				1st Temp. 12.3	2nd Temp. 11.3	Stable Temp. 11.3	Ending Temp. 11.9
				Comments:			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st Cond.	Reading 2nd Cond.	Reading Stable Cond.	Reading Ending Cond.
1-11-05	EPA-2	170.58'	171.17'	2,570	3,040	3,230	3,260
	Time 1040	Bubbler Start	Bubbler End	1st pH 6.75	2nd pH 6.81	Stable pH 6.89	Ending pH 7.42
				1st Temp. 12.9	2nd Temp. 12.2	Stable Temp. 12.0	Ending Temp. 12.8
				Comments: TRANSDUCER (BUBBLER) IS MALFUNCTIONING.			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st Cond.	Reading 2nd Cond.	Reading Stable Cond.	Reading Ending Cond.
1-11-05	EPA-2 DUPLICATE	171.17'	171.39'	3,260	3,270	3,270	3,290
	Time 1100	Bubbler Start	Bubbler End	1st pH 7.42	2nd pH 7.18	Stable pH 7.11	Ending pH 6.75
				1st Temp. 12.8	2nd Temp. 12.6	Stable Temp. 12.6	Ending Temp. 13.0
				Comments:			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st Cond.	Reading 2nd Cond.	Reading Stable Cond.	Reading Ending Cond.
1-11-05	EPA-7	111.34'	112.00'	3,400	6,210	7,320	7,630
	Time 1245	Bubbler Start 15.716'	Bubbler End 14.963'	1st pH 6.86	2nd pH 6.92	Stable pH 6.93	Ending pH 5.99
				1st Temp. 13.3	2nd Temp. 12.4	Stable Temp. 12.1	Ending Temp. 12.5
				Comments:			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st Cond.	Reading 2nd Cond.	Reading Stable Cond.	Reading Ending Cond.
1-11-05	EPA-5	121.53'	121.93'	2,070	3,980	4,920	5,100
	Time 1320	Bubbler Start 9.119'	Bubbler End 8.831'	1st pH 6.61	2nd pH 6.28	Stable pH 6.15	Ending pH 5.93
				1st Temp. 12.5	2nd Temp. 12.0	Stable Temp. 11.9	Ending Temp. 12.6
				Comments:			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st Cond.	Reading 2nd Cond.	Reading Stable Cond.	Reading Ending Cond.
1-11-06	EPA-4	202.87'	203.27'	2,170	3,940	4,430	4,740
	Time 1355	Bubbler Start 19.891'	Bubbler End 19.578'	1st pH 6.49	2nd pH 6.49	Stable pH 6.51	Ending pH 6.70
				1st Temp. 12.1	2nd Temp. 12.0	Stable Temp. 11.9	Ending Temp. 13.0
				Comments:			

Standard Verification Check

STD. PH Reading Date/Time Initial GROUND WATER MONITORING FIELD DATA SHEET
 4-Buffer 4.07 1-12-05/0846 MC 1ST QUARTER 2005
 7-Buffer 7.07 1-12-05/0843 MC SAMPLING

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Date 1-12-05	Well Number 627	WL w/Probe	WL w/Probe	Reading	Reading	Reading	Reading
		Pre-Sample	Post Sample	1st Cond. 3,960	2nd Cond. 4,460	Stable Cond. 5,510	Ending Cond. 5,920
		56.20'	56.25'	1st pH 6.62	2nd pH 6.93	Stable pH 7.06	Ending pH 7.08
		Time		1st Temp. 8.6	2nd Temp. 8.5	Stable Temp. 9.0	Ending Temp. 10.7
		0920	Bubbler Start	Bubbler End	Comments:		
		6.221'	6.195'				
Date 1-12-05	Well Number SBL-1	WL w/Probe	WL w/Probe	Reading	Reading	Reading	Reading
		Pre-Sample	Post Sample	1st Cond. 5,600	2nd Cond. 7,860	Stable Cond. 8,090	Ending Cond. 8,070
		49.20'	49.55'	1st pH 7.91	2nd pH 7.49	Stable pH 6.98	Ending pH 6.86
		Time		1st Temp. 12.5	2nd Temp. 11.5	Stable Temp. 11.0	Ending Temp. 11.4
		1030	Bubbler Start	Bubbler End	Comments:		
Date 1-12-05	Well Number FIELD BLANK	WL w/Probe	WL w/Probe	Reading	Reading	Reading	Reading
		Pre-Sample	Post Sample	1st Cond. 22	2nd Cond.	Stable Cond.	Ending Cond.
				1st pH 8.58	2nd pH	Stable pH	Ending pH
		Time		1st Temp. 5.2	2nd Temp.	Stable Temp.	Ending Temp.
		1120	Bubbler Start	Bubbler End	Comments:		
Date	Well Number	WL w/Probe	WL w/Probe	Reading	Reading	Reading	Reading
		Pre-Sample	Post Sample	1st Cond.	2nd Cond.	Stable Cond.	Ending Cond.
				1st pH	2nd pH	Stable pH	Ending pH
		Time		1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
			Bubbler Start	Bubbler End	Comments:		
Date	Well Number	WL w/Probe	WL w/Probe	Reading	Reading	Reading	Reading
		Pre-Sample	Post Sample	1st Cond.	2nd Cond.	Stable Cond.	Ending Cond.
				1st pH	2nd pH	Stable pH	Ending pH
		Time		1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
			Bubbler Start	Bubbler End	Comments:		
Date	Well Number	WL w/Probe	WL w/Probe	Reading	Reading	Reading	Reading
		Pre-Sample	Post Sample	1st Cond.	2nd Cond.	Stable Cond.	Ending Cond.
				1st pH	2nd pH	Stable pH	Ending pH
		Time		1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
			Bubbler Start	Bubbler End	Comments:		

Standard Verification Check

STD. PH Reading Date/Time Initial GROUND WATER MONITORING FIELD DATA SHEET
 4-Buffer 3.96 4-5-05/0825
 7-Buffer 2.05 4-5-05/0833

2ND QUARTER 2005

SAMPLING

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Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st Cond.	Reading 2nd Cond.	Reading Stable Cond.	Reading Ending Cond.
4-4-05	GW-2			4,660	5,560	6,200	6,280
				1st pH 6.33	2nd pH 6.35	Stable pH 6.36	Ending pH 6.38
				1st Temp. 12.5	2nd Temp. 12.1	Stable Temp. 11.8	Ending Temp. 12.7
				Comments:			
	Time	Bubbler Start	Bubbler End				
	1415	17.517'	17.045'				
4-4-05	GW-1			3,080	5,100	5,840	6,450
				1st pH 7.12	2nd pH 6.92	Stable pH 6.74	Ending pH 6.64
				1st Temp. 13.4	2nd Temp. 13.1	Stable Temp. 12.7	Ending Temp. 12.9
				Comments:			
	Time	Bubbler Start	Bubbler End				
	1450	11.483'	11.405'				
4-5-05	624			2,470	4,240	4,960	5,260
				1st pH 6.86	2nd pH 6.75	Stable pH 6.72	Ending pH 6.65
				1st Temp. 11.4	2nd Temp. 11.5	Stable Temp. 11.2	Ending Temp. 11.4
				Comments:			
	Time	Bubbler Start	Bubbler End				
	0905	13.242'	13.211'				
4-5-05	624 DUPLICATE			5,260	5,430	5,420	5,340
				1st pH 6.65	2nd pH 6.67	Stable pH 6.61	Ending pH 6.61
				1st Temp. 11.4	2nd Temp. 11.4	Stable Temp. 11.3	Ending Temp. 11.3
				Comments:			
	Time	Bubbler Start	Bubbler End				
	0930	13.211'	13.221'				
4-5-05	SBL-1			2,100	5,040	7,560	7,880
				1st pH 6.95	2nd pH 6.94	Stable pH 6.93	Ending pH 6.95
				1st Temp. 10.1	2nd Temp. 10.2	Stable Temp. 10.6	Ending Temp. 10.7
				Comments:			
	Time	Bubbler Start	Bubbler End				
	1000						
4-5-05	EPA-28			2,150	4,390	4,730	4,970
				1st pH 7.22	2nd pH 7.19	Stable pH 7.09	Ending pH 6.84
				1st Temp. 10.9	2nd Temp. 11.0	Stable Temp. 11.2	Ending Temp. 11.9
				Comments:			
	Time	Bubbler Start	Bubbler End				
	1035	9.400'	9.270'				

Standard Verification Check

STD. PH Reading Date/Time Initial GROUND WATER MONITORING FIELD DATA SHEET
 4-Buffer 3.95 4-6-05/0825 12
 7-Buffer 7.06 4-6-05/0830 12
 2ND QUARTER 2005
 SAMPLING

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Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st Cond.	Reading 2nd Cond.	Reading Stable Cond.	Reading Ending Cond.
4-5-05	632			4,920	6,670	7,190	7,250
				1st pH 6.82	2nd pH 6.63	Stable pH 6.52	Ending pH 6.46
		42.04'	42.25'	1st Temp. 10.4	2nd Temp. 10.6	Stable Temp. 11.0	Ending Temp. 11.6
		Time 1110	Bubbler Start 15.000'	Bubbler End 14.608'	Comments:		
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st Cond.	Reading 2nd Cond.	Reading Stable Cond.	Reading Ending Cond.
4-5-05	GW-3			3,600	4,340	5,070	5,540
				1st pH 7.05	2nd pH 6.92	Stable pH 6.70	Ending pH 6.68
		50.67'	51.24'	1st Temp. 12.9	2nd Temp. 13.0	Stable Temp. 12.9	Ending Temp. 13.0
		Time 1315	Bubbler Start 4.895'	Bubbler End 4.356'	Comments:		
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st Cond.	Reading 2nd Cond.	Reading Stable Cond.	Reading Ending Cond.
4-5-05	EPA-25			2,330	3,580	3,950	4,300
				1st pH 6.98	2nd pH 7.11	Stable pH 7.08	Ending pH 6.96
		51.84'	51.96'	1st Temp. 14.1	2nd Temp. 13.6	Stable Temp. 13.3	Ending Temp. 12.9
		Time 1400	Bubbler Start 9.005'	Bubbler End 8.898'	Comments:		
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st Cond.	Reading 2nd Cond.	Reading Stable Cond.	Reading Ending Cond.
4-5-05	627			3,850	4,640	5,280	5,280
				1st pH 7.31	2nd pH 7.24	Stable pH 7.19	Ending pH 7.19
		56.67'	56.75'	1st Temp. 13.6	2nd Temp. 13.5	Stable Temp. 13.3	Ending Temp. 13.3
		Time 1440	Bubbler Start 5.831'	Bubbler End 5.757'	Comments:		
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st Cond.	Reading 2nd Cond.	Reading Stable Cond.	Reading Ending Cond.
4-5-05	613			3,660	8,140	10,050	10,280
				1st pH 3.10	2nd pH 3.10	Stable pH 3.05	Ending pH 2.97
		79.11'	79.12'	1st Temp. 13.4	2nd Temp. 13.2	Stable Temp. 12.7	Ending Temp. 12.6
		Time 1535	Bubbler Start 6.172'	Bubbler End 5.544	Comments:		
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st Cond.	Reading 2nd Cond.	Reading Stable Cond.	Reading Ending Cond.
4-6-05	614			2,390	4,410	6,570	7,220
				1st pH 7.16	2nd pH 7.12	Stable pH 7.24	Ending pH 6.57
		101.31'	101.83'	1st Temp. 13.5	2nd Temp. 13.3	Stable Temp. 12.0	Ending Temp. 12.2
		Time 0855	Bubbler Start 5.126'	Bubbler End 4.621'	Comments:		

Standard Verification Check

STD. PH Reading Date/Time Initial GROUND WATER MONITORING FIELD DATA SHEET
 4-Buffer 3.94 4-11-05/0825 ✓
 7-Buffer 7.04 4-11-05/0830 ✓ 2ND QUARTER 2005
 SAMPLING

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Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st Cond.	Reading 2nd Cond.	Reading Stable Cond.	Reading Ending Cond.
4-6-05	515-A			3,570	6,170	7,080	7,220
				1st pH 7.25	2nd pH 7.03	Stable pH 6.82	Ending pH 5.59
		101.08'	104.05'	1st Temp. 12.2	2nd Temp. 12.0	Stable Temp. 11.9	Ending Temp. 12.3
		Time 0945	Bubbler Start 8.047'	Bubbler End 5.134'	Comments:		
4-6-05	604			1st Cond. 2,490	2nd Cond. 5,980	Stable Cond. 6,650	Ending Cond. 6,590
				1st pH 5.72	2nd pH 5.30	Stable pH 5.06	Ending pH 4.96
		99.80'	100.38'	1st Temp. 12.6	2nd Temp. 12.1	Stable Temp. 12.2	Ending Temp. 12.5
		Time 1020	Bubbler Start 9.385'	Bubbler End 9.038'	Comments:		
4-6-05	FIELD BLANK			1st Cond. 10	2nd Cond.	Stable Cond.	Ending Cond.
				1st pH 7.07	2nd pH	Stable pH	Ending pH
				1st Temp. 15.2	2nd Temp.	Stable Temp.	Ending Temp.
		Time 1120	Bubbler Start	Bubbler End	Comments:		
4-11-05	EPA-14			1st Cond. 2,570	2nd Cond. 3,760	Stable Cond. 4,430	Ending Cond. 4,410
				1st pH 6.72	2nd pH 6.77	Stable pH 6.87	Ending pH 6.37
		111.13'	110.85'	1st Temp. 12.3	2nd Temp. 12.3	Stable Temp. 12.1	Ending Temp. 12.3
		Time 0920	Bubbler Start 3.130'	Bubbler End 3.246'	Comments: Water level decrease may have been affected by the recent or ongoing pump and water level test in Zone 3 (other wells are 420, 712, 717 and 719).		
4-11-05	420			1st Cond. 2,030	2nd Cond. 3,160	Stable Cond. 3,350	Ending Cond. 3,740
				1st pH 6.87	2nd pH 7.01	Stable pH 7.13	Ending pH 6.65
		139.00'	139.21'	1st Temp. 9.5	2nd Temp. 9.7	Stable Temp. 10.2	Ending Temp. 11.5
		Time 1000	Bubbler Start 5.290'	Bubbler End 4.910'	Comments:		
4-11-05	504-B			1st Cond. 2,630	2nd Cond. 4,600	Stable Cond. 5,470	Ending Cond. 5,350
				1st pH 3.37	2nd pH 3.35	Stable pH 3.34	Ending pH 5.55
		161.38'	161.57'	1st Temp. 10.8	2nd Temp. 10.9	Stable Temp. 10.9	Ending Temp. 12.0
		Time 1045	Bubbler Start 5.356'	Bubbler End 5.109'	Comments:		

Standard Verification Check

STD. PH Reading Date/Time Initial GROUND WATER MONITORING FIELD DATA SHEET
 4-Buffer 4.02 4-12-05/0816 u
 7-Buffer 7.04 4-12-05/0820 u
 2ND QUARTER 2005
 SAMPLING

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Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st Cond.	Reading 2nd Cond.	Reading Stable Cond.	Reading Ending Cond.
4-11-05	719	159.77'	160.19'	2,790	4,050	4,520	4,460
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1125	5.318'	4.772'	3.17	3.16	3.17	3.51
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				12.5	12.5	12.3	12.2
				Comments:			
4-12-05	NBL-1	171.93'	171.97'	3,470	3,770	3,940	3,890
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	0845	10.767'	10.757'	6.40	6.42	6.49	6.31
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				11.3	11.4	11.5	12.5
				Comments:			
4-12-05	TWQ-142	200.95'	201.66'	950	1,299	1,601	1,602
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	0935	19.734'	19.119'	7.21	7.26	7.38	7.55
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				12.1	12.0	11.8	12.8
				Comments:			
4-12-05	EPA-13	165.63'	166.54'	3,690	4,770	5,380	5,450
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1010	7.080'	6.188'	6.09	6.22	6.10	6.07
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				15.2	13.0	12.6	12.8
				Comments:			
4-12-05	711	179.79'	180.37'	2,140	4,470	5,030	4,640
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1050	12.132'	11.517'	3.09	3.04	2.98	4.70
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				12.5	12.3	12.1	12.8
				Comments:			
4-12-05	711 DUPLICATE	180.37'	180.78'	4,640	4,680	4,680	4,630
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1115	11.517'	11.128'	4.70	4.73	4.75	4.87
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				12.8	12.6	12.6	12.6
				Comments:			

Standard Verification Check

STD. PH Reading Date/Time Initial GROUND WATER MONITORING FIELD DATA SHEET
 4-Buffer 4.06 4-13-05/0835 u
 7-Buffer 6.95 4-13-05/0830 u
 2ND QUARTER 20 05
 SAMPLING

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Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st Cond.	Reading 2nd Cond.	Reading Stable Cond.	Reading Ending Cond.
4-12-05	708			2,490	4,480	5,480	5,050
				1st pH 2.85	2nd pH 2.81	Stable pH 2.81	Ending pH 3.98
		149.25'	150.26'	1st Temp. 13.6	2nd Temp. 13.3	Stable Temp. 12.8	Ending Temp. 12.9
		Time 1140	Bubbler Start 9.050'	Bubbler End 8.150'	Comments:		
4-12-05	517			2,110	3,650	4,560	4,430
				1st pH 3.17	2nd pH 3.16	Stable pH 3.17	Ending pH 4.39
		102.00'	105.72'	1st Temp. 15.1	2nd Temp. 14.8	Stable Temp. 14.1	Ending Temp. 14.0
		Time 1325	Bubbler Start 4.594'	Bubbler End 0.727'	Comments:		
4-12-05	EPA-2			2,240	2,800	3,010	2,980
				1st pH 6.41	2nd pH 6.61	Stable pH 6.74	Ending pH 6.78
		170.83'	171.48'	1st Temp. 21.0	2nd Temp. 14.6	Stable Temp. 13.8	Ending Temp. 14.2
		Time 1405	Bubbler Start	Bubbler End	Comments: TRANSDUCER (BUBBLER) IS MALFUNCTIONING		
4-12-05	EPA-2 DUPLICATE			2,980	2,990	3,010	3,030
				1st pH 6.78	2nd pH 6.76	Stable pH 6.75	Ending pH 6.78
		171.48'	171.62'	1st Temp. 14.2	2nd Temp. 13.9	Stable Temp. 13.7	Ending Temp. 14.0
		Time 1432	Bubbler Start	Bubbler End	Comments:		
4-12-05	EPA-7			4,210	5,370	6,920	7,130
				1st pH 6.56	2nd pH 6.86	Stable pH 6.93	Ending pH 6.02
		111.79'	112.79'	1st Temp. 15.0	2nd Temp. 15.1	Stable Temp. 13.6	Ending Temp. 14.0
		Time 1510	Bubbler Start 15.241'	Bubbler End 14.267'	Comments:		
4-13-05	EPA-4			2,300	3,320	4,250	4,530
				1st pH 6.26	2nd pH 6.43	Stable pH 6.54	Ending pH 6.69
		203.50'	203.88'	1st Temp. 14.5	2nd Temp. 13.2	Stable Temp. 12.9	Ending Temp. 12.7
		Time 0910	Bubbler Start 19.209'	Bubbler End 18.957'	Comments:		

APPENDIX B

QUARTERLY SAMPLING

SEMI-ANNUAL GROUND WATER MONITORING REPORT

JANUARY AND APRIL OF 2005

QA/QC CONTROLS

FIELD BLANKS

624 AND 624 DUPLICATE FOR SW ALLUVIUM

EPA-2 AND EPA-2 DUPLICATE FOR ZONE - 1

711 AND 711 DUPLICATE FOR ZONE - 3



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C05010244-004
Client Sample ID: Field Blank

Report Date: 01/27/05
Collection Date: 01/05/05 11:55
Date Received: 01/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	7	mg/L		1		A2320 B	01/12/05 11:15 / nlm
Calcium	ND	mg/L		0.5		E200.7	01/21/05 14:35 / ts
Chloride	ND	mg/L		1		E200.7	01/21/05 14:35 / ts
Magnesium	ND	mg/L		0.5		E200.7	01/21/05 14:35 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	01/11/05 11:33 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	01/10/05 11:32 / jal
Potassium	ND	mg/L		0.5		E200.7	01/21/05 14:35 / ts
Sodium	2.2	mg/L		0.5		E200.7	01/21/05 14:35 / ts
Sulfate	1	mg/L		1		E200.7	01/21/05 14:35 / ts'
PHYSICAL PROPERTIES							
pH	6.63	s.u.		0.01		A4500-H B	01/10/05 15:33 / dd
Solids, Total Dissolved TDS @ 180 C	11	mg/L		10		A2540 C	01/10/05 16:34 / dd
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	01/21/05 14:35 / ts
Beryllium	ND	mg/L		0.01		E200.7	01/21/05 14:35 / ts
Cadmium	ND	mg/L		0.005		E200.8	01/24/05 22:18 / bws
Cobalt	ND	mg/L		0.01		E200.8	01/24/05 22:18 / bws
Lead	ND	mg/L		0.05		E200.7	01/21/05 14:35 / ts
Manganese	ND	mg/L		0.01		E200.7	01/21/05 14:35 / ts
Molybdenum	ND	mg/L		0.1		E200.7	01/21/05 14:35 / ts
Nickel	ND	mg/L		0.05		E200.8	01/24/05 22:18 / bws
Uranium	ND	mg/L		0.0003		E200.8	01/24/05 22:18 / bws
Vanadium	ND	mg/L		0.1		E200.7	01/21/05 14:35 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/11/05 16:45 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	01/13/05 10:25 / sml
RADIONUCLIDES - TOTAL							
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/12/05 17:48 / trs
Gross Alpha minus Rn & U	2.4	pCi/L		1.0		E900.1	01/12/05 11:10 / rs
Gross Alpha minus Rn & U Precision (±)	1.6	pCi/L				E900.1	01/12/05 11:10 / rs
Radium 226	ND	pCi/L		0.2		E903.0	01/10/05 13:45 / df
Radium 228	ND	pCi/L		1.0		E904.0	01/10/05 13:45 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	01/11/05 10:30 / ph
DATA QUALITY							
A/C Balance (± 5)	-2.47	%				Calculation	01/26/05 09:47 / smd
Anions	0.135	meq/L				Calculation	01/26/05 09:47 / smd
Cations	0.129	meq/L				Calculation	01/26/05 09:47 / smd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C05010244-004
Client Sample ID: Field Blank

Report Date: 01/27/05
Collection Date: 01/05/05 11:55
Date Received: 01/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	01/13/05 17:01 / rh
Surr: 1,2-Dichlorobenzene-d4	108	%REC			80-120	E624	01/13/05 17:01 / rh
Surr: Dibromofluoromethane	102	%REC			70-130	E624	01/13/05 17:01 / rh
Surr: p-Bromofluorobenzene	93.2	%REC			75-125	E624	01/13/05 17:01 / rh
Surr: Toluene-d8	99.2	%REC			80-120	E624	01/13/05 17:01 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C05010490-007
Client Sample ID: Field Blank

Report Date: 02/03/05
Collection Date: 01/12/05 11:20
Date Received: 01/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	12	mg/L		1		A2320 B	01/19/05 11:57 / nlm
Calcium	ND	mg/L		0.5		E200.7	01/27/05 13:32 / ts
Chloride	ND	mg/L		1		E200.7	01/27/05 13:32 / ts
Magnesium	ND	mg/L		0.5		E200.7	01/27/05 13:32 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	01/20/05 10:02 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	01/17/05 14:59 / jal
Potassium	ND	mg/L		0.5		E200.7	01/27/05 13:32 / ts
Sodium	1.9	mg/L		0.5		E200.7	01/27/05 13:32 / ts
Sulfate	ND	mg/L		1		E200.7	01/27/05 13:32 / ts'
PHYSICAL PROPERTIES							
pH	7.00	s.u.		0.01		A4500-H B	01/17/05 16:40 / dd
Solids, Total Dissolved TDS @ 180 C	ND	mg/L		10		A2540 C	01/17/05 16:41 / jb
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	01/27/05 13:32 / ts
Beryllium	ND	mg/L		0.01		E200.7	01/27/05 13:32 / ts
Cadmium	ND	mg/L		0.005		E200.8	01/31/05 22:53 / bws
Cobalt	ND	mg/L		0.01		E200.8	01/31/05 22:53 / bws
Lead	ND	mg/L		0.05		E200.8	01/31/05 22:53 / bws
Manganese	ND	mg/L		0.01		E200.7	01/27/05 13:32 / ts
Molybdenum	ND	mg/L		0.1		E200.7	01/27/05 13:32 / ts
Nickel	ND	mg/L		0.05		E200.8	01/31/05 22:53 / bws
Uranium	ND	mg/L		0.0003		E200.8	01/31/05 22:53 / bws
Vanadium	ND	mg/L		0.1		E200.7	01/27/05 13:32 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/17/05 11:57 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	01/18/05 10:16 / sml
RADIONUCLIDES - TOTAL							
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/20/05 05:44 / trs
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	01/17/05 09:55 / rs
Radium 226	ND	pCi/L		0.2		E903.0	01/17/05 12:45 / trs
Radium 228	ND	pCi/L		1.0		E904.0	01/17/05 12:15 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	01/17/05 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C05010490-007
Client Sample ID: Field Blank

Report Date: 02/03/05
Collection Date: 01/12/05 11:20
Date Received: 01/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	-38.3	%				Calculation	01/31/05 09:41 / smd
Anions	0.235	meq/L				Calculation	01/31/05 09:41 / smd
Cations	0.105	meq/L				Calculation	01/31/05 09:41 / smd
Solids, Total Dissolved Calculated	10.0	mg/L				Calculation	01/31/05 09:41 / smd
- The ion balance is not appropriate for near blank results.							
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	01/22/05 10:26 / rh
Surr: 1,2-Dichlorobenzene-d4	88.8	%REC			80-120	E624	01/22/05 10:26 / rh
Surr: Dibromofluoromethane	99.2	%REC			70-130	E624	01/22/05 10:26 / rh
Surr: p-Bromofluorobenzene	95.2	%REC			75-125	E624	01/22/05 10:26 / rh
Surr: Toluene-d8	94.8	%REC			80-120	E624	01/22/05 10:26 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C05040333-017
Client Sample ID: Field Blank

Report Date: 04/29/05
Collection Date: 04/06/05 11:20
Date Received: 04/08/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	7	mg/L		1		A2320 B	04/14/05 18:03 / slb
Calcium	ND	mg/L		0.5		E200.7	04/13/05 14:45 / ts
Chloride	2	mg/L		1		E200.7	04/13/05 14:45 / ts
Magnesium	ND	mg/L		0.5		E200.7	04/13/05 14:45 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	04/12/05 08:59 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/13/05 12:17 / jal
Potassium	ND	mg/L		0.5		E200.7	04/13/05 14:45 / ts
Sodium	2.3	mg/L		0.5		E200.7	04/13/05 14:45 / ts
Sulfate	ND	mg/L		1		E200.7	04/13/05 14:45 / ts
PHYSICAL PROPERTIES							
pH	6.86	s.u.		0.01		A4500-H B	04/12/05 14:37 / sl
Solids, Total Dissolved TDS @ 180 C	10	mg/L		10		A2540 C	04/11/05 14:55 / sl
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	04/12/05 00:46 / bws
Beryllium	ND	mg/L		0.01		E200.8	04/12/05 17:40 / bws
Cadmium	ND	mg/L		0.005		E200.8	04/12/05 00:46 / bws
Cobalt	ND	mg/L		0.01		E200.8	04/12/05 00:46 / bws
Lead	ND	mg/L		0.05		E200.8	04/12/05 00:46 / bws
Manganese	ND	mg/L		0.01		E200.8	04/12/05 00:46 / bws
Molybdenum	ND	mg/L		0.1		E200.8	04/12/05 00:46 / bws
Nickel	ND	mg/L		0.05		E200.8	04/12/05 00:46 / bws
Uranium	ND	mg/L		0.0003		E200.8	04/12/05 00:46 / bws
Vanadium	ND	mg/L		0.1		E200.8	04/12/05 00:46 / bws
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	04/11/05 11:35 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	04/13/05 10:25 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	04/13/05 16:50 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/12/05 09:17 / trs
Radium 226	ND	pCi/L		0.2		E903.0	04/18/05 14:30 / trs
Radium 228	ND	pCi/L		1.0		E904.0	04/18/05 14:30 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	04/20/05 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C05040333-017
Client Sample ID: Field Blank

Report Date: 04/29/05
Collection Date: 04/06/05 11:20
Date Received: 04/08/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	04/12/05 00:27 / rlo
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	E624	04/12/05 00:27 / rlo
Surr: Dibromofluoromethane	109	%REC			70-130	E624	04/12/05 00:27 / rlo
Surr: p-Bromofluorobenzene	100	%REC			75-125	E624	04/12/05 00:27 / rlo
Surr: Toluene-d8	96.0	%REC			80-120	E624	04/12/05 00:27 / rlo

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C05040335-004
Client Sample ID: Trip Blank

Report Date: 05/03/05
Collection Date: 04/06/05
Date Received: 04/08/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	04/12/05 01:06 / rlo
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	E624	04/12/05 01:06 / rlo
Surr: Dibromofluoromethane	108	%REC			70-130	E624	04/12/05 01:06 / rlo
Surr: p-Bromofluorobenzene	101	%REC			75-125	E624	04/12/05 01:06 / rlo
Surr: Toluene-d8	96.8	%REC			80-120	E624	04/12/05 01:06 / rlo

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C05040662-007
Client Sample ID: Field Blank

Report Date: 05/09/05
Collection Date: 04/12/05 11:05
Date Received: 04/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	7	mg/L		1		A2320 B	04/21/05 20:53 / slb
Calcium	ND	mg/L		0.5		E200.7	04/25/05 09:28 / ts
Chloride	ND	mg/L		1		E200.7	04/25/05 09:28 / ts
Magnesium	ND	mg/L		0.5		E200.7	04/25/05 09:28 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	04/18/05 14:41 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/20/05 11:25 / jal
Potassium	ND	mg/L		0.5		E200.7	04/25/05 09:28 / ts
Sodium	2.5	mg/L		0.5		E200.7	04/25/05 09:28 / ts
Sulfate	1	mg/L		1		E200.7	04/25/05 09:28 / ts
PHYSICAL PROPERTIES							
pH	7.05	s.u.		0.01		A4500-H B	04/18/05 13:44 / sl
Solids, Total Dissolved TDS @ 180 C	ND	mg/L		10		A2540 C	04/18/05 15:16 / sl
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	04/25/05 09:28 / ts
Beryllium	ND	mg/L		0.01		E200.7	04/25/05 09:28 / ts
Cadmium	ND	mg/L		0.005		E200.8	05/02/05 22:28 / bws
Cobalt	ND	mg/L		0.01		E200.8	05/02/05 22:28 / bws
Lead	ND	mg/L		0.05		E200.8	05/02/05 22:28 / bws
Manganese	ND	mg/L		0.01		E200.7	04/25/05 09:28 / ts
Molybdenum	ND	mg/L		0.1		E200.7	04/25/05 09:28 / ts
Nickel	ND	mg/L		0.05		E200.8	05/02/05 22:28 / bws
Uranium	ND	mg/L		0.0003		E200.8	05/02/05 22:28 / bws
Vanadium	ND	mg/L		0.1		E200.7	04/25/05 09:28 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	04/18/05 10:55 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	04/18/05 14:37 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	04/26/05 15:50 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	05/02/05 14:26 / ph
Radium 226	ND	pCi/L		0.2		E903.0	04/22/05 14:25 / df
Radium 228	ND	pCi/L		1.0		E904.0	04/22/05 14:25 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	04/25/05 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C05040662-007
Client Sample ID: Field Blank

Report Date: 05/09/05
Collection Date: 04/12/05 11:05
Date Received: 04/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	04/18/05 16:12 / jlr
Surr: 1,2-Dichlorobenzene-d4	101	%REC			80-120	E624	04/18/05 16:12 / jlr
Surr: Dibromofluoromethane	91.6	%REC			70-130	E624	04/18/05 16:12 / jlr
Surr: p-Bromofluorobenzene	92.0	%REC			75-125	E624	04/18/05 16:12 / jlr
Surr: Toluene-d8	102	%REC			80-120	E624	04/18/05 16:12 / jlr

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

UNC Mining and Milling ChurchRock Operations				
GroundWater Monitoring Summary: Alluvium Monitor Wells				
Well ID:	624	624	624	624
Collection Date:	4/5/2005	1/4/2005	10/5/2004	7/13/2004
Receive Date:	4/6/2005	1/7/2005	10/8/2004	7/16/2004
Report Date:	4/29/2005	1/28/2005	11/10/2004	8/11/2004
Analysis	Units	C05040333-009	C05010240-010	C04100398-011
Bicarbonate as HCO ₃	mg/L	1400	1360	1380
Calcium	mg/L	635	702	666
Chloride	mg/L	159	166	172
Magnesium	mg/L	394	435	422
Nitrogen, Ammonia as N	mg/L	ND(0.05)	0.05	ND(0.05)
Nitrogen, Nitrate+Nitrite as N	mg/L	73	86	85.9
Potassium	mg/L	5.6	6.3	6.4
Sodium	mg/L	238	240	237
Sulfate	mg/L	1930	2030	2020
pH	s.u.	7.30	6.99	7.07
Solids, Total Dissolved TDS @ 180 C	mg/L	5000	5240	5520
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	0.06	0.06	0.06
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0330	0.0343	0.0321
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	ND(1.0)	2.2	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L		1.6	
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L			
Radium 226	pCi/L	0.7	0.4	ND(0.2)
Radium 226 precision (±)	pCi/L	0.6	0.3	
Radium 228	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)
Radium 228 precision (±)	pCi/L			
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L			
A/C Balance (± 5)		1.24	3.94	1.74
Anions		72.8	75.3	75.8
Cations		74.6	81.4	78.5
Solids, Total Dissolved Calculated		4390	4640	4610
TDS Balance (0.80 - 1.20)		1.14	1.13	1.20
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)

**Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.

kls: r:\clients2005\unc_mining\unc_gallup-2nd2005_final.xls

UNC Mining and Milling ChurchRock Operations				
GroundWater Monitoring Summary: Alluvium Monitor Wells				
Well ID:	624 Duplicate	624 Duplicate	624 Duplicate	624 Duplicate
Collection Date:	4/5/2005	1/4/2005	10/5/2004	7/13/2004
Receive Date:	4/8/2005	1/7/2005	10/8/2004	7/16/2004
Report Date:	4/29/2005	1/28/2005	11/10/2004	8/11/2004
Analyte	Units	C05040333-010	C05010240-011	C04100398-012
Bicarbonate as HCO ₃	mg/L	1400	1420	1390
Calcium	mg/L	599	692	664
Chloride	mg/L	169	162	163
Magnesium	mg/L	382	430	420
Nitrogen, Ammonia as N	mg/L	ND(0.05)	0.05	ND(0.05)
Nitrogen, Nitrate+Nitrite as N	mg/L	70	86	83.2
Potassium	mg/L	4.5	6.3	6.1
Sodium	mg/L	237	234	227
Sulfate	mg/L	2060	2000	2030
pH	s.u.	7.29	7.06	7.05
Solids, Total Dissolved TDS @ 180 C	mg/L	4970	5240	5380
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	0.005
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	0.06	0.06	0.06
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0325	0.0324	0.0338
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L			
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L			
Radium 226	pCi/L	ND(0.2)	0.3	ND(0.2)
Radium 226 precision (±)	pCi/L		0.3	
Radium 228	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)
Radium 228 precision (±)	pCi/L			
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L			
A/C Balance (± 5)		0.175	3.01	1.37
Anions		71.5	75.6	75.6
Cations		71.8	80.3	77.7
Solids, Total Dissolved Calculated		4220	4620	4580
TDS Balance (0.80 - 1.20)		1.18	1.13	1.17
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)

**Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.

kls: r:\clients2005\unc_mining\unc_gallup-2nd2005_final.xls

LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C05010240-011
Client Sample ID: 624 Duplicate

Report Date: 01/28/05
Collection Date: 01/04/05 09:50
Date Received: 01/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	1420	mg/L		1		A2320 B	01/12/05 09:13 / nlm
Calcium	692	mg/L	D	1		E200.7	01/11/05 16:40 / ts
Chloride	162	mg/L		1		E200.7	01/11/05 16:37 / ts
Magnesium	430	mg/L	D	1		E200.7	01/11/05 16:40 / ts
Nitrogen, Ammonia as N	0.05	mg/L		0.05		A4500-NH3 G	01/11/05 11:06 / jal
Nitrogen, Nitrate+Nitrite as N	86	mg/L	D	2		E353.2	01/12/05 13:12 / jal
Potassium	6.3	mg/L		0.5		E200.7	01/11/05 16:37 / ts
Sodium	234	mg/L		0.5		E200.7	01/11/05 16:37 / ts
Sulfate	2000	mg/L	D	20		E200.7	01/11/05 16:40 / ts
PHYSICAL PROPERTIES							
pH	7.06	s.u.		0.01		A4500-H B	01/10/05 15:20 / dd
Solids, Total Dissolved TDS @ 180 C	5240	mg/L		10		A2540 C	01/10/05 16:31 / dd
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	01/11/05 16:37 / ts
Beryllium	ND	mg/L		0.01		E200.7	01/11/05 16:37 / ts
Cadmium	ND	mg/L		0.005		E200.8	01/24/05 20:10 / bws
Cobalt	ND	mg/L		0.01		E200.8	01/24/05 20:10 / bws
Lead	ND	mg/L		0.05		E200.8	01/24/05 20:10 / bws
Manganese	0.06	mg/L		0.01		E200.7	01/11/05 16:37 / ts
Molybdenum	ND	mg/L		0.1		E200.7	01/11/05 16:37 / ts
Nickel	ND	mg/L		0.05		E200.8	01/24/05 20:10 / bws
Uranium	0.0324	mg/L		0.0003		E200.8	01/24/05 20:10 / bws
Vanadium	ND	mg/L		0.1		E200.7	01/11/05 16:37 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/11/05 16:33 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	01/13/05 10:13 / sml
RADIONUCLIDES - TOTAL							
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/12/05 17:48 / trs
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	01/12/05 11:10 / rs
Radium 226	0.3	pCi/L		0.2		E903.0	01/10/05 14:35 / trs
Radium 226 precision (±)	0.3	pCi/L				E903.0	01/10/05 14:35 / trs
Radium 228	ND	pCi/L		1.0		E904.0	01/10/05 14:35 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	01/11/05 10:30 / ph

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C05010240-011
Client Sample ID: 624 Duplicate

Report Date: 01/28/05
Collection Date: 01/04/05 09:50
Date Received: 01/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.01	%				Calculation	01/12/05 15:02 / smd
Anions	75.6	meq/L				Calculation	01/12/05 15:02 / smd
Cations	80.3	meq/L				Calculation	01/12/05 15:02 / smd
Solids, Total Dissolved Calculated	4620	mg/L				Calculation	01/12/05 15:02 / smd
TDS Balance (0.80 - 1.20)	1.13	dec. %				Calculation	01/12/05 15:02 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	01/13/05 06:57 / rh
Surr: 1,2-Dichlorobenzene-d4	96.0	%REC			80-120	E624	01/13/05 06:57 / rh
Surr: Dibromofluoromethane	100	%REC			70-130	E624	01/13/05 06:57 / rh
Surr: p-Bromofluorobenzene	100	%REC			75-125	E624	01/13/05 06:57 / rh
Surr: Toluene-d8	100	%REC			80-120	E624	01/13/05 06:57 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C05040333-010
Client Sample ID: 624 Duplicate

Report Date: 04/29/05
Collection Date: 04/05/05 09:30
Date Received: 04/08/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	1400	mg/L		1		A2320 B	04/14/05 16:16 / slb
Calcium	599	mg/L	D	2		E200.7	04/26/05 16:26 / cp
Chloride	169	mg/L	D	8		E200.7	04/11/05 17:06 / ts
Magnesium	382	mg/L	D	2		E200.7	04/26/05 16:26 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	04/11/05 16:29 / jal
Nitrogen, Nitrate+Nitrite as N	70	mg/L	D	2		E353.2	04/13/05 11:32 / jal
Potassium	4.5	mg/L	D	0.5		E200.7	04/11/05 17:06 / ts
Sodium	237	mg/L	D	0.6		E200.7	04/11/05 17:06 / ts
Sulfate	2060	mg/L	D	8		E200.7	04/11/05 17:06 / ts
PHYSICAL PROPERTIES							
pH	7.29	s.u.		0.01		A4500-H B	04/12/05 14:15 / sl
Solids, Total Dissolved TDS @ 180 C	4970	mg/L		10		A2540 C	04/11/05 14:52 / sl
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	04/11/05 22:57 / bws
Beryllium	ND	mg/L		0.01		E200.8	04/11/05 22:57 / bws
Cadmium	ND	mg/L		0.005		E200.8	04/11/05 22:57 / bws
Cobalt	ND	mg/L		0.01		E200.8	04/11/05 22:57 / bws
Lead	ND	mg/L		0.05		E200.8	04/11/05 22:57 / bws
Manganese	0.06	mg/L		0.01		E200.8	04/11/05 22:57 / bws
Molybdenum	ND	mg/L		0.1		E200.8	04/11/05 22:57 / bws
Nickel	ND	mg/L		0.05		E200.8	04/11/05 22:57 / bws
Uranium	0.0325	mg/L		0.0003		E200.8	04/11/05 22:57 / bws
Vanadium	ND	mg/L		0.1		E200.8	04/11/05 22:57 / bws
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	04/11/05 11:01 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	04/13/05 09:57 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	04/13/05 16:50 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	04/12/05 09:17 / trs
Radium 226	ND	pCi/L		0.2		E903.0	04/18/05 14:30 / trs
Radium 228	ND	pCi/L		1.0		E904.0	04/18/05 14:30 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	04/20/05 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C05040333-010
Client Sample ID: 624 Duplicate

Report Date: 04/29/05
Collection Date: 04/05/05 09:30
Date Received: 04/08/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	0.175	%				Calculation	04/28/05 10:12 / smd
Anions	71.5	meq/L				Calculation	04/28/05 10:12 / smd
Cations	71.8	meq/L				Calculation	04/28/05 10:12 / smd
Solids, Total Dissolved Calculated	4220	mg/L				Calculation	04/28/05 10:12 / smd
TDS Balance (0.80 - 1.20)	1.18	dec. %				Calculation	04/28/05 10:12 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	04/11/05 17:30 / rlo
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	E624	04/11/05 17:30 / rlo
Surr: Dibromofluoromethane	106	%REC			70-130	E624	04/11/05 17:30 / rlo
Surr: p-Bromofluorobenzene	101	%REC			75-125	E624	04/11/05 17:30 / rlo
Surr: Toluene-d8	98.4	%REC			80-120	E624	04/11/05 17:30 / rlo

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 1 Monitor Wells					
Well ID:		EPA-2	EPA-2	EPA-2	EPA-2
Collection Date:		4/12/2005	1/11/2005	10/13/2004	7/20/2004
Receive Date:		4/15/2005	1/14/2005	10/15/2004	7/26/2004
Report Date:		5/9/2005	2/3/2005	11/11/2004	8/20/2004
Analyte	Units	C05040662-002	C05010490-002	C04100762-005	C04070976-002
Bicarbonate as HCO ₃	mg/L	348	356	378	358
Calcium	mg/L	403	390	367	374
Chloride	mg/L	22	23	23	22
Magnesium	mg/L	185	180	176	164
Nitrogen, Ammonia as N	mg/L	0.49	0.51	0.55	0.49
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.10)	ND(0.10)
Potassium	mg/L	6.8	6.6	6.5	5.9
Sodium	mg/L	206	201	180	202
Sulfate	mg/L	1740	1630	1600	1530
pH	s.u.	7.08	7.11	7.10	6.89
Solids, Total Dissolved TDS @ 180 C	mg/L	2750	2850	2810	2740
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	1.52	1.45	1.25	1.28
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0012	0.0018	0.0010	0.0010
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	1.5	2.7	2.6	2.3
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.1	1.4	1.0	1.2
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	0.7	0.8	1.0	1.5
Radium 226 precision (±)	pCi/L	0.4	0.4	0.4	0.4
Radium 228	pCi/L	1.4	2.2	2.3	3.1
Radium 228 precision (±)	pCi/L	1.2	1.5	1.0	1.3
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)		2.76	3.99	1.61	4.10
Anions		42.6	40.5	40.1	38.4
Cations		45.0	43.8	41.4	41.7
Solids, Total Dissolved Calculated		2760	2630	2560	2500
TDS Balance (0.80 - 1.20)		1.00	1.08	1.10	1.10
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

**Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.

kls: r:\clients2005\unc_mining\unc_gallup-2nd2005_final.xls

UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 1 Monitor Wells					
Well ID:		EPA-2 Duplicate	EPA-2 Duplicate	EPA-2 Duplicate	EPA-2 Duplicate
Collection Date:		4/12/2005	1/11/2005	10/13/2004	7/20/2004
Receive Date:		4/15/2005	1/14/2005	10/15/2004	7/26/2004
Report Date:		5/9/2005	2/3/2005	11/11/2004	8/20/2004
Analyte	Units	C05040662-003	C05010490-003	C04100762-006	C04070976-003
Bicarbonate as HCO ₃	mg/L	322	325	328	331
Calcium	mg/L	406	397	386	373
Chloride	mg/L	23	23	24	21
Magnesium	mg/L	185	187	187	164
Nitrogen, Ammonia as N	mg/L	0.50	0.57	0.58	0.55
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.10)	ND(0.10)
Potassium	mg/L	6.9	6.8	6.6	5.8
Sodium	mg/L	203	202	196	201
Sulfate	mg/L	1760	1670	1700	1550
pH	s.u.	7.11	7.05	7.07	6.62
Solids, Total Dissolved TDS @ 180 C	mg/L	2750	2910	2870	2700
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	1.53	1.53	1.36	1.27
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.5)	ND(0.05)
Uranium	mg/L	0.0012	0.0019	0.0010	0.0009
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	2.5	3.4	2.6	2.2
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.2	1.5	1.0	1.2
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L				
Radium 226	pCi/L	0.7	0.5	1.5	1.3
Radium 226 precision (±)	pCi/L	0.4	0.4	0.5	0.5
Radium 228	pCi/L	3.2	4.1	1.1	5.1
Radium 228 precision (±)	pCi/L	1.2	1.5	0.9	1.3
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L				
A/C Balance (± 5)		3.03	4.68	3.04	4.32
Anions		42.6	40.8	41.4	38.3
Cations		45.2	44.8	44.0	41.7
Solids, Total Dissolved Calculated		2770	2670	2680	2500
TDS Balance (0.80 - 1.20)		0.990	1.09	1.07	1.08
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

****Note:** The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C05010490-003
Client Sample ID: EPA-2 Duplicate

Report Date: 02/03/05
Collection Date: 01/11/05 11:00
Date Received: 01/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	325	mg/L			1	A2320 B	01/19/05 10:53 / nlm
Calcium	397	mg/L	D		0.6	E200.7	01/25/05 15:47 / ts
Chloride	23	mg/L			1	E200.7	01/25/05 15:44 / ts
Magnesium	187	mg/L	D		0.5	E200.7	01/25/05 15:47 / ts
Nitrogen, Ammonia as N	0.57	mg/L			0.05	A4500-NH3 G	01/20/05 09:24 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L			0.1	E353.2	01/17/05 14:42 / jal
Potassium	6.8	mg/L			0.5	E200.7	01/25/05 15:44 / ts
Sodium	202	mg/L			0.5	E200.7	01/25/05 15:44 / ts
Sulfate	1670	mg/L			1	E200.7	01/25/05 15:44 / ts
PHYSICAL PROPERTIES							
pH	7.05	s.u.			0.01	A4500-H B	01/17/05 16:34 / dd
Solids, Total Dissolved TDS @ 180 C	2910	mg/L			10	A2540 C	01/17/05 16:39 / jb
METALS - TOTAL							
Aluminum	ND	mg/L			0.1	E200.7	01/25/05 15:44 / ts
Beryllium	ND	mg/L			0.01	E200.7	01/25/05 15:44 / ts
Cadmium	ND	mg/L			0.005	E200.8	01/31/05 22:17 / bws
Cobalt	ND	mg/L			0.01	E200.8	01/31/05 22:17 / bws
Lead	ND	mg/L			0.05	E200.8	01/31/05 22:17 / bws
Manganese	1.53	mg/L			0.01	E200.7	01/25/05 15:44 / ts
Molybdenum	ND	mg/L			0.1	E200.8	01/31/05 22:17 / bws
Nickel	ND	mg/L			0.05	E200.8	01/31/05 22:17 / bws
Uranium	0.0019	mg/L			0.0003	E200.8	01/31/05 22:17 / bws
Vanadium	ND	mg/L			0.1	E200.7	01/25/05 15:44 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L			0.001	A3114 B	01/17/05 11:50 / sml
Selenium-IV	ND	mg/L			0.001	A3114 B	01/18/05 10:08 / sml
RADIONUCLIDES - TOTAL							
Lead 210	ND	pCi/L			1.0	NERHL-65-4	01/20/05 05:44 / trs
Gross Alpha minus Rn & U	3.4	pCi/L			1.0	E900.1	01/17/05 09:55 / rs
Gross Alpha minus Rn & U Precision (±)	1.5	pCi/L				E900.1	01/17/05 09:55 / rs
Radium 226	0.5	pCi/L			0.2	E903.0	01/17/05 12:45 / trs
Radium 226 precision (±)	0.4	pCi/L				E903.0	01/17/05 12:45 / trs
Radium 228	4.1	pCi/L			1.0	E904.0	01/17/05 12:15 / pj
Radium 228 precision (±)	1.5	pCi/L				E904.0	01/17/05 12:15 / pj
Thorium 230	ND	pCi/L			0.2	E907.0	01/17/05 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C05010490-003
Client Sample ID: EPA-2 Duplicate

Report Date: 02/03/05
Collection Date: 01/11/05 11:00
Date Received: 01/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.68	%				Calculation	01/27/05 11:08 / smd
Anions	40.8	meq/L				Calculation	01/27/05 11:08 / smd
Cations	44.8	meq/L				Calculation	01/27/05 11:08 / smd
Solids, Total Dissolved Calculated	2670	mg/L				Calculation	01/27/05 11:08 / smd
TDS Balance (0.80 - 1.20)	1.09	dec. %				Calculation	01/27/05 11:08 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	01/22/05 00:02 / rh
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC			80-120	E624	01/22/05 00:02 / rh
Surr: Dibromofluoromethane	103	%REC			70-130	E624	01/22/05 00:02 / rh
Surr: p-Bromofluorobenzene	97.6	%REC			75-125	E624	01/22/05 00:02 / rh
Surr: Toluene-d8	98.4	%REC			80-120	E624	01/22/05 00:02 / rh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C05040662-003
Client Sample ID: EPA-2 Duplicate

Report Date: 05/09/05
Collection Date: 04/12/05 14:32
Date Received: 04/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	322	mg/L		1		A2320 B	04/21/05 19:43 / slb
Calcium	406	mg/L	D	0.6		E200.7	04/25/05 08:47 / ts
Chloride	23	mg/L		1		E200.7	04/25/05 08:43 / ts
Magnesium	185	mg/L	D	0.5		E200.7	04/25/05 08:47 / ts
Nitrogen, Ammonia as N	0.50	mg/L		0.05		A4500-NH3 G	04/18/05 14:33 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/19/05 13:36 / jal
Potassium	6.9	mg/L		0.5		E200.7	04/25/05 08:43 / ts
Sodium	203	mg/L		0.5		E200.7	04/25/05 08:43 / ts
Sulfate	1760	mg/L	D	8		E200.7	04/25/05 08:47 / ts
PHYSICAL PROPERTIES							
pH	7.11	s.u.		0.01		A4500-H B	04/18/05 13:33 / sl
Solids, Total Dissolved TDS @ 180 C	2750	mg/L		10		A2540 C	04/18/05 12:02 / sl
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	04/25/05 08:43 / ts
Beryllium	ND	mg/L		0.01		E200.7	04/25/05 08:43 / ts
Cadmium	ND	mg/L		0.005		E200.8	05/02/05 21:56 / bws
Cobalt	ND	mg/L		0.01		E200.8	05/02/05 21:56 / bws
Lead	ND	mg/L		0.05		E200.8	05/02/05 21:56 / bws
Manganese	1.53	mg/L		0.01		E200.7	04/25/05 08:43 / ts
Molybdenum	ND	mg/L		0.1		E200.7	04/25/05 08:43 / ts
Nickel	ND	mg/L		0.05		E200.8	05/02/05 21:56 / bws
Uranium	0.0012	mg/L		0.0003		E200.8	05/02/05 21:56 / bws
Vanadium	ND	mg/L		0.1		E200.7	04/25/05 08:43 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	04/18/05 10:47 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	04/18/05 14:29 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	2.5	pCi/L		1.0		E900.1	04/26/05 15:50 / rs
Gross Alpha minus Rn & U Precision (±)	1.2	pCi/L				E900.1	04/26/05 15:50 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	05/02/05 14:26 / ph
Radium 226	0.7	pCi/L		0.2		E903.0	04/22/05 14:25 / df
Radium 226 precision (±)	0.4	pCi/L				E903.0	04/22/05 14:25 / df
Radium 228	3.2	pCi/L		1.0		E904.0	04/22/05 14:25 / pj
Radium 228 precision (±)	1.2	pCi/L				E904.0	04/22/05 14:25 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	04/25/05 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C05040662-003
Client Sample ID: EPA-2 Duplicate

Report Date: 05/09/05
Collection Date: 04/12/05 14:32
Date Received: 04/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.03	%				Calculation	04/26/05 11:35 / smd
Anions	42.6	meq/L				Calculation	04/26/05 11:35 / smd
Cations	45.2	meq/L				Calculation	04/26/05 11:35 / smd
Solids, Total Dissolved Calculated	2770	mg/L				Calculation	04/26/05 11:35 / smd
TDS Balance (0.80 - 1.20)	0.990	dec. %				Calculation	04/26/05 11:35 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	04/18/05 18:18 / jlr
Surr: 1,2-Dichlorobenzene-d4	99.6	%REC			80-120	E624	04/18/05 18:18 / jlr
Surr: Dibromofluoromethane	92.4	%REC			70-130	E624	04/18/05 18:18 / jlr
Surr: p-Bromofluorobenzene	88.8	%REC			75-125	E624	04/18/05 18:18 / jlr
Surr: Toluene-d8	97.2	%REC			80-120	E624	04/18/05 18:18 / jlr

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

UNC Mining and Milling ChurchRock Operations				
GroundWater Monitoring Summary: Zone 3 Monitor Wells				
Well ID:	711	711	711	711
Collection Date:	4/12/2005	1/11/2005	10/12/2004	7/20/2004
Receive Date:	4/15/2005	1/14/2005	10/15/2004	7/26/2004
Report Date:	5/11/2005	2/3/2005	11/11/2004	8/20/2004
Analysis	Units	C05040663-0072	C05010491-0092	C04100759-0082
Bicarbonate as HCO ₃	mg/L	ND(1)	ND(1)	ND(1)
Calcium	mg/L	517	499	491
Chloride	mg/L	19	19	19
Magnesium	mg/L	532	513	533
Nitrogen, Ammonia as N	mg/L	1.08	0.84	0.93
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.10)
Potassium	mg/L	11.1	10.7	10.9
Sodium	mg/L	108	98.1	93.7
Sulfate	mg/L	3710	3380	3450
pH	s.u.	3.73	3.57	3.64
Solids, Total Dissolved TDS @ 180 C	mg/L	5190	5380	5370
Aluminum	mg/L	0.9	0.9	0.9
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.40	0.48	0.37
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	7.59	6.95	6.79
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.37	0.42	0.34
Uranium	mg/L	0.0336	0.0379	0.0339
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.02	0.04	0.021
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	10.8	12.3	12.7
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.4	1.2	1.1
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L			
Radium 226	pCi/L	10.7	5.1	7.3
Radium 226 precision (±)	pCi/L	1.1	0.9	1.0
Radium 228	pCi/L	11.2	10.0	12.2
Radium 228 precision (±)	pCi/L	1.3	1.7	1.3
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L			
A/C Balance (± 5)		1.14	3.46	3.21
Anions		77.8	70.9	72.3
Cations		79.6	76.0	77.1
Solids, Total Dissolved Calculated		4910	4530	4600
TDS Balance (0.80 - 1.20)		1.06	1.19	1.17
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)

**Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.

kls: r:\clients\2005\unc_mining\unc_gallup-2nd2005_final.xls

UNC Mining and Milling ChurchRock Operations				
GroundWater Monitoring Summary: Zone 3 Monitor Wells				
Well ID:	711 Duplicate	711 Duplicate	711 Duplicate	711 Duplicate
Collection Date:	4/12/2005	1/11/2005	10/12/2004	7/20/2004
Receive Date:	4/15/2005	1/14/2005	10/15/2004	7/26/2004
Report Date:	5/11/2005	2/3/2005	11/11/2004	8/20/2004
Analyte	Units	C05040663-008	C05010491-010	C04100759-009
Bicarbonate as HCO ₃	mg/L	6	5	6
Calcium	mg/L	528	505	491
Chloride	mg/L	19	19	20
Magnesium	mg/L	532	518	530
Nitrogen, Ammonia as N	mg/L	1.11	0.98	0.98
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.10)
Potassium	mg/L	11.1	10.7	11.8
Sodium	mg/L	107	98.3	101
Sulfate	mg/L	3690	3430	3460
pH	s.u.	4.87	4.99	4.88
Solids, Total Dissolved TDS @ 180 C	mg/L	5160	5410	5430
Aluminum	mg/L	0.9	0.9	0.9
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	0.41	0.42	0.37
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	7.51	6.94	7.35
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.38	0.39	0.35
Uranium	mg/L	0.0320	0.0338	0.0332
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.02	0.03	0.023
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	8.9	14.6	13.9
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.3	1.2	1.1
Lead 210	pCi/L	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L			
Radium 226	pCi/L	10.6	3.9	7.9
Radium 226 precision (±)	pCi/L	1.1	0.8	1.1
Radium 228	pCi/L	12.1	12.7	12.6
Radium 228 precision (±)	pCi/L	1.3	1.8	1.3
Thorium 230	pCi/L	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L			
A/C Balance (± 5)		1.91	3.59	3.63
Anions		77.5	72.1	72.8
Cations		80.5	77.4	78.3
Solids, Total Dissolved Calculated		4900	4590	4630
TDS Balance (0.80 - 1.20)		1.05	1.18	1.17
Chloroform	ug/L	ND(1.0)	ND(1.0)	ND(1.0)

**Note: The data presented on this form is intended for summary purposes only. Laboratory approved data is contained within the attached database reports.

kls: r:\clients2005\unc_mining\unc_gallup-2nd2005_final.xls

LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C05010491-010
Client Sample ID: 711 Duplicate

Report Date: 02/03/05
Collection Date: 01/11/05 09:30
Date Received: 01/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	5	mg/L		1		A2320 B	01/19/05 13:40 / nlm
Calcium	505	mg/L	D	0.6		E200.7	01/27/05 15:18 / ts
Chloride	19	mg/L		1		E200.7	01/27/05 15:07 / ts
Magnesium	518	mg/L	D	0.5		E200.7	01/27/05 15:18 / ts
Nitrogen, Ammonia as N	0.98	mg/L		0.05		A4500-NH3 G	01/20/05 10:34 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	01/17/05 14:09 / jal
Potassium	10.7	mg/L		0.5		E200.7	01/27/05 15:07 / ts
Sodium	98.3	mg/L		0.5		E200.7	01/27/05 15:07 / ts
Sulfate	3430	mg/L	D	8		E200.7	01/27/05 15:18 / ts
PHYSICAL PROPERTIES							
pH	4.99	s.u.		0.01		A4500-H B	01/17/05 16:55 / dd
Solids, Total Dissolved TDS @ 180 C	5410	mg/L		10		A2540 C	01/17/05 16:44 / jb
METALS - TOTAL							
Aluminum	0.9	mg/L		0.1		E200.7	01/27/05 15:07 / ts
Beryllium	ND	mg/L		0.01		E200.7	01/27/05 15:07 / ts
Cadmium	ND	mg/L		0.005		E200.8	02/01/05 02:57 / bws
Cobalt	0.42	mg/L		0.01		E200.8	02/01/05 02:57 / bws
Lead	ND	mg/L		0.05		E200.8	02/01/05 02:57 / bws
Manganese	6.94	mg/L		0.01		E200.7	01/27/05 15:07 / ts
Molybdenum	ND	mg/L		0.1		E200.7	01/27/05 15:07 / ts
Nickel	0.39	mg/L		0.05		E200.8	02/01/05 02:57 / bws
Uranium	0.0338	mg/L		0.0003		E200.8	02/01/05 02:57 / bws
Vanadium	ND	mg/L		0.1		E200.7	01/27/05 15:07 / ts
METALS - SPECIATED							
Arsenic-III	0.03	mg/L		0.001		A3114 B	01/17/05 12:38 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	01/18/05 10:44 / sml
RADIONUCLIDES - TOTAL							
Lead 210	ND	pCi/L		1.0		NERHL-65-4	01/20/05 05:44 / trs
Gross Alpha minus Rn & U	14.6	pCi/L		1.0		E900.1	01/20/05 12:00 / rs
Gross Alpha minus Rn & U Precision (±)	1.2	pCi/L				E900.1	01/20/05 12:00 / rs
Radium 226	3.9	pCi/L		0.2		E903.0	01/17/05 12:45 / trs
Radium 226 precision (±)	0.8	pCi/L				E903.0	01/17/05 12:45 / trs
Radium 228	12.7	pCi/L		1.0		E904.0	01/17/05 12:15 / pj
Radium 228 precision (±)	1.8	pCi/L				E904.0	01/17/05 12:15 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	01/17/05 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C05010491-010
Client Sample ID: 711 Duplicate

Report Date: 02/03/05
Collection Date: 01/11/05 09:30
Date Received: 01/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.59	%				Calculation	01/31/05 10:44 / smd
Anions	72.1	meq/L				Calculation	01/31/05 10:44 / smd
Cations	77.4	meq/L				Calculation	01/31/05 10:44 / smd
Solids, Total Dissolved Calculated	4590	mg/L				Calculation	01/31/05 10:44 / smd
TDS Balance (0.80 - 1.20)	1.18	dec. %				Calculation	01/31/05 10:44 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	01/21/05 21:48 / rh
Surr: 1,2-Dichlorobenzene-d4	92.8	%REC			80-120	E624	01/21/05 21:48 / rh
Surr: Dibromofluoromethane	100	%REC			70-130	E624	01/21/05 21:48 / rh
Surr: p-Bromofluorobenzene	95.6	%REC			75-125	E624	01/21/05 21:48 / rh
Surr: Toluene-d8	98.8	%REC			80-120	E624	01/21/05 21:48 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C05040663-008
Client Sample ID: 711 Duplicate

Report Date: 05/11/05
Collection Date: 04/12/05 11:15
Date Received: 04/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	6	mg/L		1		A2320 B	04/21/05 22:03 / slb
Calcium	528	mg/L	D	0.6		E200.7	04/25/05 11:02 / ts
Chloride	19	mg/L		1		E200.7	04/25/05 10:59 / ts
Magnesium	532	mg/L	D	0.5		E200.7	04/25/05 11:02 / ts
Nitrogen, Ammonia as N	1.11	mg/L		0.05		A4500-NH3 G	04/22/05 14:32 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/20/05 13:41 / jal
Potassium	11.1	mg/L		0.5		E200.7	04/25/05 10:59 / ts
Sodium	107	mg/L		0.5		E200.7	04/25/05 10:59 / ts
Sulfate	3690	mg/L	D	8		E200.7	04/25/05 11:02 / ts
PHYSICAL PROPERTIES							
pH	4.87	s.u.		0.01		A4500-H B	04/18/05 14:17 / sl
Solids, Total Dissolved TDS @ 180 C	5160	mg/L		10		A2540 C	04/18/05 15:20 / sl
METALS - TOTAL							
Aluminum	0.9	mg/L		0.1		E200.7	04/25/05 10:59 / ts
Beryllium	ND	mg/L		0.01		E200.7	04/25/05 10:59 / ts
Cadmium	ND	mg/L		0.005		E200.8	05/03/05 00:36 / bws
Cobalt	0.41	mg/L		0.01		E200.8	05/03/05 00:36 / bws
Lead	ND	mg/L		0.05		E200.8	05/03/05 00:36 / bws
Manganese	7.51	mg/L		0.01		E200.7	04/25/05 10:59 / ts
Molybdenum	ND	mg/L		0.1		E200.7	04/25/05 10:59 / ts
Nickel	0.38	mg/L		0.05		E200.8	05/03/05 00:36 / bws
Uranium	0.0320	mg/L		0.0003		E200.8	05/03/05 00:36 / bws
Vanadium	ND	mg/L		0.1		E200.7	04/25/05 10:59 / ts
METALS - SPECIATED							
Arsenic-III	0.02	mg/L		0.001		A3114 B	04/18/05 11:34 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	04/18/05 15:43 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	8.9	pCi/L		1.0		E900.1	04/29/05 16:40 / rs
Gross Alpha minus Rn & U Precision (±)	1.3	pCi/L				E900.1	04/29/05 16:40 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	05/02/05 14:26 / ph
Radium 226	10.6	pCi/L		0.2		E903.0	04/18/05 14:45 / trs
Radium 226 precision (±)	1.1	pCi/L				E903.0	04/18/05 14:45 / trs
Radium 228	12.1	pCi/L		1.0		E904.0	04/26/05 20:00 / df
Radium 228 precision (±)	1.3	pCi/L				E904.0	04/26/05 20:00 / df
Thorium 230	ND	pCi/L		0.2		E907.0	04/25/05 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C05040663-008
Client Sample ID: 711 Duplicate

Report Date: 05/11/05
Collection Date: 04/12/05 11:15
Date Received: 04/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	1.91	%				Calculation	04/26/05 11:38 / smd
Anions	77.5	meq/L				Calculation	04/26/05 11:38 / smd
Cations	80.5	meq/L				Calculation	04/26/05 11:38 / smd
Solids, Total Dissolved Calculated	4900	mg/L				Calculation	04/26/05 11:38 / smd
TDS Balance (0.80 - 1.20)	1.05	dec. %				Calculation	04/26/05 11:38 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	04/19/05 03:55 / jlr
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	E624	04/19/05 03:55 / jlr
Surr: Dibromofluoromethane	116	%REC			70-130	E624	04/19/05 03:55 / jlr
Surr: p-Bromofluorobenzene	90.0	%REC			75-125	E624	04/19/05 03:55 / jlr
Surr: Toluene-d8	89.6	%REC			80-120	E624	04/19/05 03:55 / jlr

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

APPENDIX - C

QUARTERLY
CHAIN OF CUSTODY REPORT

UNITED NUCLEAR CORPORATION
(State Road 566 - 21 Miles NE of Gallup)
P.O. Box 3077
Gallup, NM 87305-3077
505-722-6651

CHAIN OF CUSTODY

Energy Laboratories, Inc.
Laboratory

2393 N. Salt Creek Highway
Address

Casper WY. 82601
City State Zip

307-235-0515
Phone No.

All analysis will be performed in accordance with EPA approved procedures and/or 15th Edition of Standard Methods

UNC Submittal No. TE-1-1-2005 (PG. 1 OF 2)

Sample Description	Date	Time	Filter	PRESERVATION		HNO ₃	H ₂ SO ₄	Na ₂ S ₂ O ₃	NaOH	Preserved By	Analysis Required (For all samples listed)
			0.45u	plain							
509-D	1-3-05	0930		✓	✓	✓	✓	✓			As, Be, Ca, Cd, Cl, HCO ₃ ,
EPA-23		1005									K, Mg, Mn, Na, NH ₃ , Ni,
803		1040									NO ₃ , Pb, Pb-210, pH, Se,
808		1110									SO ₄ , TDS, Th-230, U, V,
802		1135									Chloroform, Gross
801		1330									Alpha (-) U & Rn,
GW-2		1400									Combined Ra-226 & Ra-228, Al,
GW-1		1433									Cd, Mo
632	✓	1505							N A		
624	1-4-05	0930									
624 DUPLICATE		0950									
EPA-2B		1020									
613		1155	See CDC								
GW-3		1345									
EPA-25	✓	1430		✓	✓	✓	✓	✓			

1-3-05 & 1-4-05 @ 1220 & 1530

Sampled by: Max Chiselly Jr.

Received by: Max Chiselly Jr.

Dispatched by: Drum

1-05-05 2:43 P.M.

Carrier: UPS

Date Time

4 ICED COOLER
Method of Shipment

Date Time

Kim Dalton
Lab Receipt Signature

1-7-05 10:00 LP3
Date Time

The above analysis to be performed is authorized by

[Signature]
Signature

1-05-05
Date



Energy Laboratories Inc.

Sample Receipt Checklist

Client Name United Nuclear Corporation

Date and Time Received: 1/7/2005 10:00:00

Work Order Number C05010240

Received by r11

Checklist completed by:

Nancy D. Smith 01-05-07
Signature Date

Reviewed by

Initials

Date

Carrier name UPS

Shipping container/cooler in good condition?	Yes ☒	No	Not Present
Custody seals intact on shipping container/cooler?	Yes ☐	No	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No	Not Present ☒
Chain of custody present?	Yes ☒	No	
Chain of custody signed when relinquished and received?	Yes ☒	No	
Chain of custody agrees with sample labels?	Yes ☒	No	
Samples in proper container/bottle?	Yes ☒	No	
Sample containers intact?	Yes ☒	No	
Sufficient sample volume for indicated test?	Yes ☒	No	
All samples received within holding time?	Yes ☒	No	
Container/Temp Blank temperature in compliance?	Yes ☒	No	2°C
Water - VOA vials have zero headspace?	Yes ☒	No	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No	Not Applicable

Adjusted? _____ Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments:

Corrective Action



Date: 28-Jan-05

CLIENT: United Nuclear Corp
Project: Alluvium
Sample Delivery Group: C05010240

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-cs - Energy Laboratories, Inc. - College Station, TX
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package. A copy of the submittal(s) has been included and tracked in the data package.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by NELAC. Some client specific reporting requirements may not require NELAC reporting protocol. NELAC Certification Number E87641.

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

The total number of pages of this report are indicated by the page number located in the lower right corner.



Energy Laboratories Inc.

Sample Receipt Checklist

Client Name United Nuclear Corporation

Date and Time Received: 1/7/2005 10:00:00

Work Order Number C05010244

Received by rl1

Checklist completed by:

Corinne Wagner 1/7/05
Signature Date

Reviewed by

Initials

Date

Carrier name: UPS

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	2°C
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	Not Applicable ☐

Adjusted? _____ Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments:

Corrective Action _____



Date: 27-Jan-05

CLIENT: United Nuclear Corp
Project: Zone 1
Sample Delivery Group: C05010244

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-cs - Energy Laboratories, Inc. - College Station, TX
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package. A copy of the submittal(s) has been included and tracked in the data package.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by NELAC. Some client specific reporting requirements may not require NELAC reporting protocol. NELAC Certification Number E87641.

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

The total number of pages of this report are indicated by the page number located in the lower right corner.



Energy Laboratories Inc.

Sample Receipt Checklist

Client Name **United Nuclear Corporation**

Date and Time Received: **1/7/2005 10:00:00**

Work Order Number **C05010245**

Received by **rl1**

Checklist completed by:

Signature

Date

01-07-05

Reviewed by

Initials

Date

Carrier name **UPS**

Shipping container/cooler in good condition?	Yes ☒	No	Not Present
Custody seals intact on shipping container/cooler?	Yes ☐	No	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No	Not Present ☒
Chain of custody present?	Yes ☒	No	
Chain of custody signed when relinquished and received?	Yes ☒	No	
Chain of custody agrees with sample labels?	Yes ☒	No	
Samples in proper container/bottle?	Yes ☒	No	
Sample containers intact?	Yes ☒	No	
Sufficient sample volume for indicated test?	Yes ☒	No	
All samples received within holding time?	Yes ☒	No	
Container/Temp Blank temperature in compliance?	Yes ☒	No	2 °C
Water - VOA vials have zero headspace?	Yes ☒	No	No VOA vials submitted
Water - pH acceptable upon receipt?	Yes ☒	No	Not Applicable

Adjusted? _____ Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments:

Corrective Action _____



Date: 31-Jan-05

CLIENT: United Nuclear Corp
Project: Zone 3
Sample Delivery Group: C05010245

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-cs - Energy Laboratories, Inc. - College Station, TX
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package. A copy of the submittal(s) has been included and tracked in the data package.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

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UNITED NUCLEAR CORPORATION
(State Road 566 - 21 Miles NE of Gallup)
P.O. Box 3077
Gallup, NM 87305-3077
505-722-6651

CHAIN OF CUSTODY

Energy Laboratories, Inc.
Laboratory

2393 N. Salt Creek Highway
Address

Casper WY 82601
City State Zip

307-235-0515
Phone No.

All analysis will be performed in accordance with EPA approved
procedures and/or 15th Edition of Standard Methods

UNC Submittal No. TE-2-1-2005 (PG. 1 OF 2)

Sample Description	Date	Time	Filter 0.45u	PRESERVATION				NaOH	Preserved By	Analysis Required ... (For all samples listed)
				plain	HNO ₃	H ₂ SO ₄	Na ₂ S ₂ O ₃			
TWQ-142	1-10-05	0900		✓	✓	✓	✓			As, Be, Ca, Cd, Cl, HCO ₃ ,
NBL-1		0935								K, Mg, Mn, Na, NH ₃ , Ni,
504-B		1055								NO ₃ , Pb, Pb-210, pH, Se,
719		1130								SO ₄ , TDS, Th-230, U, V,
420		1300								Chloroform, Gross
717		1330								Alpha (-) U & Rn,
EPA-14		1400								Combined Ra-226 & Ra-228, Al,
517		1440								Co, Mo
708		1510								
711	1-11-05	0910								
711 DUPLICATE		0930								
EPA-13		0955								
EPA-2		1040								
EPA-2 DUPLICATE		1100								
EPA-7		1245		Y	Y	Y	Y			

Sampled by: John H. Brown

Dispatched by: John H. Brown

Carrier: UPS

4 ICED COOLER
Method of Shipment

Received by: May Chichley Jr.

1-12-05
Date

2:05 P.M.
Time

1-10-05 @ 1200 & 1540

1-11-05 @ 1200 & 1530
Date Time

Jim Lohman
Lab Receipt Signature

1-14-05 9:50
Date Time

The above analysis to be performed is
authorized by:

Signature

1-12-05
Date

04°C

CHAIN OF CUSTODY

Date _____



Energy Laboratories Inc.

Sample Receipt Checklist

Client Name United Nuclear Corporation

Date and Time Received: 1/14/2005 9:50:00

Work Order Number C05010488

Received by rl1

Checklist completed by:

Cornel Wagner 1/14/05
Signature Date

Reviewed by

Initials

Date

Carrier name: UPS

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	0.4 °C
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	Not Applicable ☐

Adjusted? _____ Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section below.

=====

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments:

Corrective Action _____



Date: 03-Feb-05

CLIENT: United Nuclear Corp
Project: Alluvium
Sample Delivery Group: C05010488

CASE NARRATIVE

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BRANCH LABORATORY LOCATIONS

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eli-r - Energy Laboratories, Inc. - Rapid City, SD

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Energy Laboratories Inc.

Sample Receipt Checklist

Client Name United Nuclear Corporation

Date and Time Received: 1/14/2005 09:50:00

Work Order Number C05010490

Received by r11

Checklist completed by:

Signature

Date

Reviewed by

Initials

Date

Carrier name UPS

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	0.4 °C
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	Not Applicable ☐

Adjusted? _____

Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments:

Corrective Action _____

Date: 03-Feb-05

CLIENT: United Nuclear Corp
Project: Zone 1
Sample Delivery Group: C05010490

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
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Energy Laboratories Inc.

Sample Receipt Checklist

Client Name United Nuclear Corporation

Date and Time Received: 1/14/2005 9:50:00

Work Order Number C05010491

Received by r11

Checklist completed by:

Courne Wagner 1/14/05

Signature

Date

Reviewed by

Initials

Date

Carrier name: UPS

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	0.4 °C
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	Not Applicable ☐

Adjusted? _____ Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section below.

=====

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments:

Corrective Action _____



Date: 03-Feb-05

CLIENT: United Nuclear Corp
Project: Zone 3
Sample Delivery Group: C05010491

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

BRANCH LABORATORY LOCATIONS

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eli-r - Energy Laboratories, Inc. - Rapid City, SD

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UNITED NUCLEAR CORPORATION
(State Road 566 - 21 Miles NE of Gallup)
P.O. Box 3077
Gallup, NM 87305-3077
505-722-6651

CHAIN OF CUSTODY

Energy Laboratories, Inc.
Laboratory

2393 N. Salt Creek Highway
Address

Casper WY 82601
City State Zip

307-235-0515
Phone No.

All analysis will be performed in accordance with EPA approved
procedures and/or 15th Edition of Standard Methods

UNC Submittal No. TE-3-4-2005 (PG. 1 OF 2)

Sample Description	Date	Time	Filter 0.45u	PRESERVATION					Preserved By	Analysis Required (For all samples listed)
				plain	HNO ₃	H ₂ SO ₄	Na ₂ S ₂ O ₃	NaOH		
509-D	4-4-05	0930		✓ <i>OKB</i>	✓ <i>HC</i>	✓ <i>HC</i>	✓ <i>OKB</i>			As, Be, Ca, Cd, Cl, HCO ₃ ,
EPA-23		1000								K, Mg, Mn, Na, NH ₃ , Ni,
803		1030								NO ₃ , Pb, Pb-210, pH, Se,
808		1100								SO ₄ , TDS, Th-230, U, V,
802		1130								Chloroform, Gross
801		1345								Alpha (-) U & Rn,
GW-2		1415								Combined Ra-226 & Ra-228, Al,
GW-1	✓	1450								Co, Mo
624	4-5-05	0905						N A		
624 DUPLICATE		0930								
SBL-1		1000								
EPA-28		1035								
632		1110								
GW-3		1315								
EPA-25	✓	1400		✓	✓	✓	✓			

Sampled by: *Lee S. Bognard*
Dispatched by: *Lee S. Bognard*
Carrier: UPS
4 ICED COOLER
Method of Shipment

Received by: *Max Chiselly Jr.*
04-06-05 2:50 P.M.
Date Time

4-4-05 @ 1200 E 1530
4-5-05 @ 1145 E 1600
Date Time
Max Chiselly Jr. UPS
Lab Receipt Signature
4-8-05 845
Date Time
40 FEE
40333

The above analysis to be performed is
authorized by:
Max Chiselly Jr.
Signature
4-6-05
Date

CHAIN OF CUSTODY

4-6-05
Date



Energy Laboratories Inc.

Sample Receipt Checklist

Client Name United Nuclear Corporation

Date and Time Received: 4/8/2005 08:45:00

Work Order Number C05040333

Received by rl1

Checklist completed by:

Signature

Date

Reviewed by

Initials

Date

Carrier name UPS

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	4°C On Ice
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	Not Applicable ☐

Adjusted? _____ Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments:

Corrective Action _____



Date: 02-May-05

CLIENT: United Nuclear Corp
Project: Alluvium
Sample Delivery Group: C05040333

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

ORIGINAL SAMPLE SUBMITTAL(S)

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SUBCONTRACTING ANALYSIS

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Energy Laboratories Inc.

Sample Receipt Checklist

Client Name United Nuclear Corporation

Date and Time Received: 4/8/2005 08:45:00

Work Order Number C05040335

Received by r11

Checklist completed by

Macy Delich 04-08-05
Signature Date

Reviewed by

Initials

Date

Carrier name UPS

Shipping container/cooler in good condition?	Yes ✓	No	Not Present
Custody seals intact on shipping container/cooler?	Yes	No	Not Present ✓
Custody seals intact on sample bottles?	Yes	No	Not Present ✓
Chain of custody present?	Yes ✓	No	
Chain of custody signed when relinquished and received?	Yes ✓	No	
Chain of custody agrees with sample labels?	Yes ✓	No	
Samples in proper container/bottle?	Yes ✓	No	
Sample containers intact?	Yes ✓	No	
Sufficient sample volume for indicated test?	Yes ✓	No	
All samples received within holding time?	Yes ✓	No	
Container/Temp Blank temperature in compliance?	Yes ✓	No	4 °C On Ice
Water - VOA vials have zero headspace?	Yes ✓	No	No VOA vials submitted
Water - pH acceptable upon receipt?	Yes ✓	No	Not Applicable

Adjusted?

Checked by

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding:

Comments:

Corrective Action



Date: 03-May-05

CLIENT: United Nuclear Corp
Project: Zone 1
Sample Delivery Group: C05040335

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
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eli-t - Energy Laboratories, Inc. - College Station, TX

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Energy Laboratories Inc.

Sample Receipt Checklist

Client Name **United Nuclear Corporation**

Date and Time Received: **4/8/2005 08:45:00**

Work Order Number **C05040334**

Received by **rl1**

Checklist completed by

Nancy D. Smith **04-08-05**
Signature Date

Reviewed by

Initials

Date

Carrier name **UPS**

Shipping container/cooler in good condition?	Yes ☒	No	Not Present
Custody seals intact on shipping container/cooler?	Yes	No	Not Present ☒
Custody seals intact on sample bottles?	Yes	No	Not Present ☒
Chain of custody present?	Yes ☒	No	
Chain of custody signed when relinquished and received?	Yes ☒	No	
Chain of custody agrees with sample labels?	Yes ☒	No	
Samples in proper container/bottle?	Yes ☒	No	
Sample containers intact?	Yes ☒	No	
Sufficient sample volume for indicated test?	Yes ☒	No	
All samples received within holding time?	Yes ☒	No	
Container/Temp Blank temperature in compliance?	Yes ☒	No	4°C On Ice
Water - VOA vials have zero headspace?	Yes ☒	No	No VOA vials submitted
Water - pH acceptable upon receipt?	Yes ☒	No	Not Applicable

Adjusted? _____

Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted _____

Date contacted: _____

Person contacted _____

Contacted by: _____

Regarding: _____

Comments:

Corrective Action



Date: 03-May-05

CLIENT: United Nuclear Corp
Project: Zone 3
Sample Delivery Group: C05040334

CASE NARRATIVE

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UNITED NUCLEAR CORPORATION
(State Road 566 - 21 Miles NE of Gallup)
P.O. Box 3077
Gallup, NM 87305-3077
505-722-6651

CHAIN OF CUSTODY

Energy Laboratories, Inc.
Laboratory

2393 N. Salt Creek Highway
Address

Casper WY 82601
City State Zip

307-235-0515
Phone No.

All analysis will be performed in accordance with EPA approved procedures and/or 15th Edition of Standard Methods

UNC Submittal No. TE-4-4-2005 (PG. 1 OF 2)

Sample Description	Date	Time	Filter	PRESERVATION					Preserved By	Analysis Required (For all samples listed)
			0.45u	plain	HNO ₃	H ₂ SO ₄	Na ₂ S ₂ O ₃	NaOH		
EPA-14	4-11-05	0920		✓	✓	✓	✓			As, Be, Ca, Cd, Cl, HCO ₃ ,
420		1000								K, Mg, Mn, Na, NH ₃ , Ni,
504-B		1045								NO ₃ , Pb, Pb-210, pH, Se,
719	Y	1125								SO ₄ , TDS, Th-230, U, V,
NBL-1	4-12-05	0845								Chloroform, Gross
TWQ-142		0935								Alpha (-) U & Rn,
EPA-13		1010								Combined Ra-226 & Ra-228, Al,
711		1050								Co, Mo
711 DUPLICATE		1115						N/A		
708		1140								
517		1325								
EPA-2		1405								
EPA-2 DUPLICATE		1432								
EPA-7	Y	1510								
EPA-4	4-13-05	0910		✓	✓	✓	✓			

Sampled by [Signature]

Dispatched by: [Signature]

Carrier: UPS

4 ICED COOLER
Method of Shipment

Received by [Signature]

4/13/05 1:55 PM.
Date Time

4-11-05 @ 1200 & 1500

4-12-05 @ 1215 & 1540

Date Time

[Signature] UPS
Lab Receipt Signature

4-15-05 10:00

Date Time

The above analysis to be performed is authorized by:

[Signature]
Signature

4-13-2005

Date

10.6

CHAIN OF CUSTODY

10.60



Energy Laboratories Inc.

Sample Receipt Checklist

Client Name United Nuclear Corporation

Date and Time Received: 4/15/2005 10:00:00

Work Order Number C05040662

Received by rl1

Checklist completed by:

[Signature] 4/15/05

Signature

Date

Reviewed by

Initials

Date

Carrier name UPS

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	10.6 °C On Ice
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	Not Applicable ☐

Adjusted? _____ Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments:

Corrective Action _____



Date: 09-May-05

CLIENT: United Nuclear Corp
Project: Zone 1
Sample Delivery Group: C05040662

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package. A copy of the submittal(s) has been included and tracked in the data package.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by NELAC. Some client specific reporting requirements may not require NELAC reporting protocol. NELAC Certification Number E87641.

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

The total number of pages of this report are indicated by the page number located in the lower right corner.



Energy Laboratories Inc.

Sample Receipt Checklist

Client Name **United Nuclear Corporation**

Date and Time Received: **4/15/2005 10:00:00**

Work Order Number **C05040663**

Received by **rl1**

Checklist completed by:

R. M. Lipton 4-15-05
Signature Date

Reviewed by

Initials

Date

Carrier name **UPS**

Shipping container/cooler in good condition?	Yes ✓	No	Not Present
Custody seals intact on shipping container/cooler?	Yes	No	Not Present ✓
Custody seals intact on sample bottles?	Yes	No	Not Present ✓
Chain of custody present?	Yes ✓	No	
Chain of custody signed when relinquished and received?	Yes ✓	No	
Chain of custody agrees with sample labels?	Yes ✓	No	
Samples in proper container/bottle?	Yes ✓	No	
Sample containers intact?	Yes ✓	No	
Sufficient sample volume for indicated test?	Yes ✓	No	
All samples received within holding time?	Yes ✓	No	
Container/Temp Blank temperature in compliance?	Yes ✓	No	10.6 °C On Ice
Water - VOA vials have zero headspace?	Yes ✓	No	No VOA vials submitted
Water - pH acceptable upon receipt?	Yes ✓	No	Not Applicable

Adjusted?

Checked by:

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding:

Comments:

Corrective Action

Date: 11-May-05

CLIENT: United Nuclear Corp

Project: Zone 3

Sample Delivery Group: C05040663

CASE NARRATIVE

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UNITED NUCLEAR CORPORATION
(State Road 566 - 21 Miles NE of Gallup)
P.O. Box 3077
Gallup, NM 87305-3077
505-722-6651

CHAIN OF CUSTODY

Energy Laboratories, Inc.
Laboratory

2393 N. Salt Creek Highway
Address

Casper WY. 82601
City State Zip

307-235-0515
Phone No.

All analysis will be performed in accordance with EPA approved
procedures and/or 15th Edition of Standard Methods

UNC Submittal No. TE-5-4-2005

Sample Description	Date	Time	Filter	PRESERVATION				Preserved By	Analysis Required ... (For all samples listed)
			0.45u	plain	HNO ₃	H ₂ SO ₄	Na ₂ S ₂ O ₃		
717	4-18-05	1357		✓	✓	✓	✓		As, Be, Ca, Cd, Cl, HCO ₃ , K, Mg, Mn, Na, NH ₃ , Ni, NO ₃ , Pb, Pb-210, pH, Se, SO ₄ , TDS, Th-230, U, V, Chloroform, Gross Alpha (-) U & Rn, Combined Ra-226 & Ra-228, Al, Co, Mo
								N A	
									NOTE: ATTACHED AN UPDATED SAMPLE WELL LIST FOR REFERENCE (SEE ATTACHED SHEET).

Sampled by: Max Chubbly Jr.

Dispatched by: Green Brown

Carrier: UPS

1 ICED COOLER
Method of Shipment

Received by: Max Chubbly Jr.

4/19/05 1:08 P.M.
Date Time

4-18-05 @ 1500
Date Time

Em Delton
Lab Receipt Signature

4-22-05 UPS
Date Time

10:00

90

The above analysis to be performed is
authorized by:

[Signature]
Signature

4-19-05
Date

UNC

Table - 1

United Nuclear Corp. Well List - Sample and Water Level

****Sample:**

<u>Alluvium</u>	<u>Zone 3</u>	<u>Zone 1</u>
GW-1	420	TWQ-142
GW-2	504-B	515-A
GW-3	517	604
509-D	613	614
624	NBL-1	EPA-2
627	EPA-13	EPA-4
632	EPA-14	EPA-5
801	708	EPA-7
802	711	
803	717	
808	719	
EPA-23		
EPA-25		
EPA-28		
SBL-1		

****Water Level Only:**

<u>Alluvium</u>	<u>Zone 3</u>	<u>Zone 1</u>
805	EPA-9	EPA-8
807	402	TWQ-143
	424	412
	446	501-A
	701	502-A
	702	504-A
	706	505-A
	707	
	710	
	712	
	713	
	714	

Note: Quarterly Sample and Water Level Wells as of April, 2005



Energy Laboratories Inc.

Sample Receipt Checklist

Client Name United Nuclear Corporation

Date and Time Received: 4/22/2005 10:00:00

Work Order Number C05040940

Received by rl1

Checklist completed by:

Cornell Wagner 4/22/05

Reviewed by

Signature

Date

Initials

Date

Carrier name: UPS

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
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Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	9°C On Ice
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	Not Applicable ☐

Adjusted? _____ Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments:

Corrective Action _____



Date: 13-May-05

CLIENT: United Nuclear Corp
Project: Zone 3
Sample Delivery Group: C05040940

CASE NARRATIVE

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APPENDIX – D

**QUARTERLY
LABORATORY QUALITY CONTROL AND
PERFORMANCE REPORT**



ANALYTICAL SUMMARY REPORT

January 28, 2005

Max Chischilly
United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C05010240

Quote ID: C129 - Quarterly Long List

Project Name: Alluvium

Energy Laboratories Inc. received the following 14 samples from United Nuclear Corp on 1/7/2005 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C05010240-001	509-D	01/03/05 9:30	01/07/05	Aqueous	Metals by ICP/ICPMS, Total Alkalinity QA Calculations Arsenic-III, Total Selenium-IV, Total Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved E624 Purgeable Organics
C05010240-002	EPA-23	01/03/05 10:05	01/07/05	Aqueous	Same As Above
C05010240-003	803	01/03/05 10:40	01/07/05	Aqueous	Same As Above
C05010240-004	808	01/03/05 11:10	01/07/05	Aqueous	Same As Above
C05010240-005	802	01/03/05 11:35	01/07/05	Aqueous	Same As Above
C05010240-006	801	01/03/05 13:30	01/07/05	Aqueous	Same As Above
C05010240-007	GW-2	01/03/05 14:00	01/07/05	Aqueous	Same As Above
C05010240-008	GW-1	01/03/05 14:33	01/07/05	Aqueous	Same As Above
C05010240-009	632	01/03/05 15:05	01/07/05	Aqueous	Same As Above
C05010240-010	624	01/04/05 9:30	01/07/05	Aqueous	Same As Above
C05010240-011	624 Duplicate	01/04/05 9:50	01/07/05	Aqueous	Same As Above
C05010240-012	EPA-28	01/04/05 10:20	01/07/05	Aqueous	Same As Above
C05010240-013	GW-3	01/04/05 13:45	01/07/05	Aqueous	Same As Above
C05010240-014	EPA-25	01/04/05 14:30	01/07/05	Aqueous	Same As Above



There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative or Report.

If you have any questions regarding these tests results, please call.

Report Approved By:


JAMES YOCUM
QUALITY ASSURANCE DIRECTOR



QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 01/28/05

Work Order: C05010240

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B							Batch: 050111_1_ALK-W		
Sample ID: MBLK1_050111_1	Method Blank						01/11/05 14:36		
Bicarbonate as HCO ₃	ND	mg/L	1						
Method: A2320 B							Batch: 050112_1_ALK-W		
Sample ID: MBLK1_050112_1	Method Blank						01/12/05 08:13		
Bicarbonate as HCO ₃	ND	mg/L	1						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 01/28/05

Work Order: C05010240

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C			Batch: 050110A-SLDS-TDS-W						
Sample ID: LCS1_050110A	Laboratory Control Spike								01/10/05 16:26
Solids, Total Dissolved TDS @ 180 C	1010	mg/L	10	101	90	110			
Sample ID: MBLK1_050110A	Method Blank								01/10/05 16:26
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05010240-004BMS	Matrix Spike								01/10/05 16:29
Solids, Total Dissolved TDS @ 180 C	27100	mg/L	10	101	90	110			
Sample ID: C05010240-004BMSD	Matrix Spike Duplicate								01/10/05 16:29
Solids, Total Dissolved TDS @ 180 C	27300	mg/L	10	102	90	110	0.7	10	
Sample ID: C05010240-014BMS	Matrix Spike								01/10/05 16:32
Solids, Total Dissolved TDS @ 180 C	24600	mg/L	10	102	90	110			
Sample ID: C05010240-014BMSD	Matrix Spike Duplicate								01/10/05 16:32
Solids, Total Dissolved TDS @ 180 C	24600	mg/L	10	102	90	110	0.2	10	
Sample ID: LCS2_050110A	Laboratory Control Spike								01/10/05 16:32
Solids, Total Dissolved TDS @ 180 C	1010	mg/L	10	101	90	110			
Sample ID: MBLK2_050110A	Method Blank								01/10/05 16:32
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05010247-003DMS	Matrix Spike								01/10/05 16:35
Solids, Total Dissolved TDS @ 180 C	20800	mg/L	10	102	90	110			
Sample ID: C05010247-003DMSD	Matrix Spike Duplicate								01/10/05 16:35
Solids, Total Dissolved TDS @ 180 C	20800	mg/L	10	102	90	110	0	10	
Sample ID: C05010269-003AMS	Matrix Spike								01/10/05 16:38
Solids, Total Dissolved TDS @ 180 C	24700	mg/L	10	102	90	110			
Sample ID: C05010269-003AMSD	Matrix Spike Duplicate								01/10/05 16:39
Solids, Total Dissolved TDS @ 180 C	24200	mg/L	10	99.9	90	110	2.0	10	
Sample ID: LCS3_050110A	Laboratory Control Spike								01/10/05 16:39
Solids, Total Dissolved TDS @ 180 C	1010	mg/L	10	101	90	110			
Sample ID: MBLK3_050110A	Method Blank								01/10/05 16:39
Solids, Total Dissolved TDS @ 180 C	7	mg/L	6						
Sample ID: C05010290-001AMS	Matrix Spike								01/10/05 16:41
Solids, Total Dissolved TDS @ 180 C	22500	mg/L	10	102	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 01/28/05

Work Order: C05010240

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C			Batch: 050110A-SLDS-TDS-W						
Sample ID: C05010290-001AMSD	Matrix Spike Duplicate								01/10/05 16:42
Solids, Total Dissolved TDS @ 180 C	22400	mg/L	10	102	90	110	0.4	10	
Sample ID: LCS4_050110A	Laboratory Control Spike								01/10/05 16:42
Solids, Total Dissolved TDS @ 180 C	1020	mg/L	10	102	90	110			
Method: A3114 B			Batch: ASIII3114-050111						
Sample ID: C05010240-001A MS	Matrix Spike								01/11/05 16:22
Arsenic-III	0.0476	mg/L	0.0010	95.2	85	115			
Sample ID: C05010240-001A MSD	Matrix Spike Duplicate								01/11/05 16:24
Arsenic-III	0.0452	mg/L	0.0010	90.4	85	115	5.2	10	
Sample ID: C05010244-001A MS	Matrix Spike								01/11/05 16:49
Arsenic-III	0.0448	mg/L	0.0010	89.6	85	115			
Sample ID: C05010244-001A MSD	Matrix Spike Duplicate								01/11/05 16:50
Arsenic-III	0.0451	mg/L	0.0010	90.1	85	115	0.6	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 01/28/05
Work Order: C05010240

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: SEIV-3114-050113		
Sample ID: MBLK	Method Blank								01/13/05 09:43
Selenium-IV	ND	mg/L	0.0003						
Sample ID: C05010240-001A MS	Matrix Spike								01/13/05 10:02
Selenium-IV	0.0492	mg/L	0.0010	98.5	85	115			
Sample ID: C05010240-001A MSD	Matrix Spike Duplicate								01/13/05 10:04
Selenium-IV	0.0489	mg/L	0.0010	97.8	85	115	0.7	10	
Sample ID: C265-15-1	Laboratory Control Spike								01/13/05 10:06
Selenium-IV	0.0494	mg/L	0.0010	98.7	90	110			
Sample ID: MBLK	Method Blank								01/13/05 10:11
Selenium-IV	ND	mg/L	0.0003						
Sample ID: C05010244-001A MS	Matrix Spike								01/13/05 10:29
Selenium-IV	0.0533	mg/L	0.0010	99	85	115			
Sample ID: C05010244-001A MSD	Matrix Spike Duplicate								01/13/05 10:31
Selenium-IV	0.0536	mg/L	0.0010	99.7	85	115	0.7	10	
Sample ID: C265-15-1	Laboratory Control Spike								01/13/05 10:32
Selenium-IV	0.0504	mg/L	0.0010	101	90	110			
Sample ID: MBLK	Method Blank								01/13/05 10:36
Selenium-IV	ND	mg/L	0.0003						
Method: A4500-H B							Batch: PHSC050110A		
Sample ID: C05010240-003BDUP	Sample Duplicate								01/10/05 15:13
pH	6.95	s.u.	0.010				0.3	10	
Sample ID: C05010240-013BDUP	Sample Duplicate								01/10/05 15:24
pH	7.05	s.u.	0.010				0	10	
Sample ID: C05010247-002DDUP	Sample Duplicate								01/10/05 15:38
pH	8.11	s.u.	0.010				0.1	10	
Sample ID: C05010269-002ADUP	Sample Duplicate								01/10/05 16:01
pH	7.92	s.u.	0.010				0	10	
Sample ID: C05010269-008ADUP	Sample Duplicate								01/10/05 16:07
pH	7.71	s.u.	0.010				0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 01/28/05

Work Order: C05010240

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G			Batch: A2005-01-11_1_NH3_02						
Sample ID: MBLK-1	Method Blank								01/11/05 10:24
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05010240-002DMS	Matrix Spike								01/11/05 10:39
Nitrogen, Ammonia as N	3.41	mg/L	0.050	104	80	120			
Sample ID: C05010240-002DMSD	Matrix Spike Duplicate								01/11/05 10:40
Nitrogen, Ammonia as N	3.53	mg/L	0.050	110	80	120	3.5		20
Sample ID: MBLK-17	Method Blank								01/11/05 10:56
Nitrogen, Ammonia as N	0.04	mg/L	0.02						
Sample ID: C05010240-011DMS	Matrix Spike								01/11/05 11:08
Nitrogen, Ammonia as N	1.91	mg/L	0.050	93	80	120			
Sample ID: C05010240-011DMSD	Matrix Spike Duplicate								01/11/05 11:10
Nitrogen, Ammonia as N	1.96	mg/L	0.050	95.5	80	120	2.6		20
Sample ID: MBLK-32	Method Blank								01/11/05 11:26
Nitrogen, Ammonia as N	0.06	mg/L	0.02						
Sample ID: C05010109-003BMS	Matrix Spike								01/11/05 11:40
Nitrogen, Ammonia as N	1.96	mg/L	0.050	93.5	80	120			
Sample ID: C05010109-003BMSD	Matrix Spike Duplicate								01/11/05 11:43
Nitrogen, Ammonia as N	1.85	mg/L	0.050	88	80	120	5.8		20
Sample ID: MBLK-48	Method Blank								01/11/05 12:00
Nitrogen, Ammonia as N	0.05	mg/L	0.02						
Sample ID: C05010307-006CMS	Matrix Spike								01/11/05 12:22
Nitrogen, Ammonia as N	13.2	mg/L	0.10	94.9	80	120			
Sample ID: C05010307-006CMSD	Matrix Spike Duplicate								01/11/05 12:42
Nitrogen, Ammonia as N	12.8	mg/L	0.10	86.8	80	120	3.1		20

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 01/28/05

Work Order: C05010240

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R45340		
Sample ID: C05010269-003BMS1	Matrix Spike								01/11/05 11:10
Calcium	1180	mg/L	1.1	102	70	130			
Magnesium	1210	mg/L	1.1	99.1	70	130			
Potassium	973	mg/L	1.0	95.4	70	130			
Sodium	2020	mg/L	1.2	97	70	130			
Sample ID: C05010269-003BMS2	Matrix Spike								01/11/05 11:22
Aluminum	19.5	mg/L	0.10	97.1	70	130			
Beryllium	18.6	mg/L	0.010	92.8	70	130			
Cobalt	19.3	mg/L	0.23	96.4	70	130			
Manganese	19.6	mg/L	0.014	96	70	130			
Molybdenum	19.1	mg/L	1.6	95.6	70	130			
Vanadium	19.2	mg/L	0.18	95.9	70	130			
Sample ID: C05010269-003BMS3	Matrix Spike								01/11/05 11:25
Chloride	1830	mg/L	1.0	90.6	70	130			
Sulfate	3760	mg/L	16	92.1	70	130			
Sample ID: C05010269-003BMDS1	Matrix Spike Duplicate								01/11/05 11:28
Calcium	1170	mg/L	1.1	101	70	130	0.7	20	
Magnesium	1200	mg/L	1.1	98.3	70	130	0.7	20	
Potassium	958	mg/L	1.0	93.9	70	130	1.5	20	
Sodium	2010	mg/L	1.2	95.6	70	130	0.7	20	
Sample ID: C05010269-003BMDS2	Matrix Spike Duplicate								01/11/05 11:31
Aluminum	20.5	mg/L	0.10	102	70	130	4.9	20	
Cobalt	20.6	mg/L	0.23	103	70	130	6.4	20	
Manganese	20.5	mg/L	0.014	101	70	130	4.5	20	
Molybdenum	19.3	mg/L	1.6	96.4	70	130	0.8	20	
Vanadium	20.0	mg/L	0.18	100	70	130	4.4	20	
Sample ID: C04121128-017AMS1	Matrix Spike								01/11/05 12:47
Calcium	129	mg/L	0.50	89.8	70	130			
Magnesium	63.4	mg/L	0.50	92.2	70	130			
Potassium	52.7	mg/L	0.50	88	70	130			
Sodium	96.2	mg/L	0.50	86.4	70	130			
Sample ID: C04121128-017AMS2	Matrix Spike								01/11/05 12:50
Aluminum	0.964	mg/L	0.10	96.4	70	130			
Cobalt	0.974	mg/L	0.011	97.4	70	130			
Manganese	1.20	mg/L	0.010	93.7	70	130			
Molybdenum	0.926	mg/L	0.10	92.6	70	130			
Vanadium	0.953	mg/L	0.10	95.3	70	130			

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 01/28/05
Work Order: C05010240

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R45340
Sample ID: C04121128-017AMS3	Matrix Spike								01/11/05 12:53
Sulfate	120	mg/L	1.0	91.7	70	130			
Sample ID: C04121128-017AMSD1	Matrix Spike Duplicate								01/11/05 12:56
Calcium	131	mg/L	0.50	94.4	70	130	1.8	20	
Magnesium	65.5	mg/L	0.50	96.4	70	130	3.3	20	
Potassium	54.5	mg/L	0.50	91.6	70	130	3.4	20	
Sodium	97.7	mg/L	0.50	89.4	70	130	1.5	20	
Sample ID: C04121128-017AMSD2	Matrix Spike Duplicate								01/11/05 12:59
Aluminum	0.963	mg/L	0.10	96.3	70	130	0.1	20	
Cobalt	0.979	mg/L	0.011	97.9	70	130	0.5	20	
Manganese	1.19	mg/L	0.010	93.5	70	130	0.2	20	
Molybdenum	0.930	mg/L	0.10	93	70	130	0.4	20	
Vanadium	0.951	mg/L	0.10	95.1	70	130	0.2	20	
Sample ID: C04121128-017AMSD3	Matrix Spike Duplicate								01/11/05 13:02
Sulfate	122	mg/L	1.0	93.3	70	130	1.3	20	
Sample ID: C05010240-007AMS1	Matrix Spike								01/11/05 15:41
Calcium	1860	mg/L	1.1	102	70	130			
Magnesium	1570	mg/L	1.1	95.4	70	130			
Potassium	936	mg/L	1.0	91.5	70	130			
Sodium	1350	mg/L	1.2	96.6	70	130			
Sample ID: C05010240-007AMS2	Matrix Spike								01/11/05 15:44
Aluminum	19.8	mg/L	0.10	97.9	70	130			
Beryllium	17.5	mg/L	0.010	87.6	70	130			
Cobalt	19.9	mg/L	0.23	99.6	70	130			
Manganese	19.9	mg/L	0.014	95.2	70	130			
Molybdenum	18.7	mg/L	1.6	93.6	70	130			
Vanadium	18.8	mg/L	0.18	94.2	70	130			
Sample ID: C05010240-007AMS3	Matrix Spike								01/11/05 15:47
Sulfate	4600	mg/L	16	94.3	70	130			
Sample ID: C05010240-007AMSD1	Matrix Spike Duplicate								01/11/05 15:50
Calcium	1850	mg/L	1.1	101	70	130	0.4	20	
Magnesium	1570	mg/L	1.1	95.2	70	130	0.1	20	
Potassium	942	mg/L	1.0	92.1	70	130	0.6	20	
Sodium	1360	mg/L	1.2	97.8	70	130	0.9	20	

Qualifiers:

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ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Report Date: 01/28/05

Project: Alluvium

Work Order: C05010240

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: . E200.7									Batch: R45340
Sample ID: C05010240-007AMSD2 Matrix Spike Duplicate									01/11/05 15:53
Aluminum	20.5	mg/L	0.10	101	70	130	3.3	20	
Beryllium	18.1	mg/L	0.010	90.3	70	130	3.0	20	
Cobalt	20.7	mg/L	0.23	104	70	130	3.8	20	
Manganese	20.5	mg/L	0.014	98.4	70	130	3.2	20	
Molybdenum	18.8	mg/L	1.6	93.9	70	130	0.3	20	
Vanadium	19.3	mg/L	0.18	96.6	70	130	2.5	20	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 01/28/05

Work Order: C05010240

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R45760		
Sample ID: LRB	Method Blank							01/24/05 10:53	
Beryllium	ND	mg/L	0.00003						
Cadmium	0.001	mg/L	0.0002						
Cobalt	ND	mg/L	0.00003						
Lead	ND	mg/L	0.00002						
Nickel	0.0001	mg/L	0.00008						
Uranium	ND	mg/L	0.00004						
Vanadium	ND	mg/L	0.00009						
Sample ID: C04121078-001AMS4	Post Digestion Spike							01/24/05 11:21	
Cadmium	0.0446	mg/L	0.010	85.6	70	130			
Cobalt	0.0545	mg/L	0.010	108	70	130			
Lead	0.0512	mg/L	0.050	102	70	130			
Nickel	0.0491	mg/L	0.050	90.9	70	130			
Uranium	0.0787	mg/L	0.00030	99.7	70	130			
Vanadium	0.0569	mg/L	0.10	107	70	130			
Sample ID: C04121078-001AMSD4	Post Digestion Spike Dup							01/24/05 11:29	
Cadmium	0.0476	mg/L	0.010	91.6	70	130	6.4	20	
Cobalt	0.0540	mg/L	0.010	107	70	130	0.9	20	
Lead	0.0506	mg/L	0.050	101	70	130	1.3	20	
Nickel	0.0502	mg/L	0.050	93	70	130	2.1	20	
Uranium	0.0774	mg/L	0.00030	97.1	70	130	1.7	20	
Vanadium	0.0574	mg/L	0.10	108	70	130	0	20	
Sample ID: C05010247-001AMS4	Post Digestion Spike							01/24/05 14:27	
Cadmium	0.0484	mg/L	0.010	93.2	70	130			
Cobalt	0.0536	mg/L	0.010	107	70	130			
Lead	0.0507	mg/L	0.050	101	70	130			
Nickel	0.0486	mg/L	0.050	96.1	70	130			
Uranium	0.0562	mg/L	0.00030	91.8	70	130			
Vanadium	0.0510	mg/L	0.10	102	70	130			
Sample ID: C05010247-001AMSD4	Post Digestion Spike Dup							01/24/05 14:34	
Cadmium	0.0515	mg/L	0.010	99.5	70	130	6.3	20	
Cobalt	0.0548	mg/L	0.010	110	70	130	2.2	20	
Lead	0.0512	mg/L	0.050	102	70	130	1.0	20	
Nickel	0.0500	mg/L	0.050	98.7	70	130	0	20	
Uranium	0.0580	mg/L	0.00030	95.3	70	130	3.0	20	
Vanadium	0.0537	mg/L	0.10	107	70	130	0	20	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 01/28/05

Work Order: C05010240

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R45760		
Sample ID: C05010240-001AMS4 Post Digestion Spike							01/24/05 16:21		
Beryllium	0.198	mg/L	0.010	79.2	70	130			
Cadmium	0.247	mg/L	0.010	97.7	70	130			
Cobalt	0.282	mg/L	0.010	110	70	130			
Lead	0.260	mg/L	0.050	104	70	130			
Nickel	0.265	mg/L	0.050	97.7	70	130			
Uranium	0.462	mg/L	0.00030	92.6	70	130			
Vanadium	0.270	mg/L	0.10	107	70	130			
Sample ID: C05010240-001AMSD4 Post Digestion Spike Dup							01/24/05 16:29		
Beryllium	0.196	mg/L	0.010	78.2	70	130	1.3	20	
Cadmium	0.239	mg/L	0.010	94.7	70	130	3.1	20	
Cobalt	0.276	mg/L	0.010	108	70	130	2.1	20	
Lead	0.261	mg/L	0.050	104	70	130	0.5	20	
Nickel	0.265	mg/L	0.050	97.8	70	130	0	20	
Uranium	0.463	mg/L	0.00030	92.8	70	130	0.1	20	
Vanadium	0.265	mg/L	0.10	106	70	130	1.7	20	
Sample ID: C05010240-011AMS4 Post Digestion Spike							01/24/05 20:46		
Beryllium	0.238	mg/L	0.010	95.4	70	130			
Cadmium	0.248	mg/L	0.010	98.4	70	130			
Cobalt	0.253	mg/L	0.010	101	70	130			
Lead	0.257	mg/L	0.050	103	70	130			
Nickel	0.253	mg/L	0.050	99	70	130			
Uranium	0.313	mg/L	0.00030	112	70	130			
Vanadium	0.266	mg/L	0.10	106	70	130			
Sample ID: C05010240-011AMSD4 Post Digestion Spike Dup							01/24/05 20:53		
Beryllium	0.224	mg/L	0.010	89.6	70	130	6.2	20	
Cadmium	0.237	mg/L	0.010	94.3	70	130	4.3	20	
Cobalt	0.246	mg/L	0.010	97.9	70	130	3.0	20	
Lead	0.258	mg/L	0.050	103	70	130	0.5	20	
Nickel	0.246	mg/L	0.050	96.3	70	130	2.8	20	
Uranium	0.297	mg/L	0.00030	106	70	130	5.2	20	
Vanadium	0.262	mg/L	0.10	105	70	130	1.5	20	
Sample ID: LRB Method Blank							01/25/05 00:21		
Cadmium	0.002	mg/L	0.0002						
Cobalt	ND	mg/L	0.00003						
Lead	ND	mg/L	0.00002						
Nickel	0.0002	mg/L	0.00008						
Uranium	ND	mg/L	0.00004						

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 01/28/05

Work Order: C05010240

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R45760		
Sample ID: LRB	Method Blank		01/25/05 00:21						
Vanadium	ND	mg/L	0.00009						
Sample ID: C04101313-018AMS							01/25/05 00:39		
Cadmium	0.0429	mg/L	0.0010	78.4	70	130			
Cobalt	0.0420	mg/L	0.0010	82.8	70	130			
Lead	0.0455	mg/L	0.0010	90.6	70	130			
Nickel	0.0501	mg/L	0.0010	82.5	70	130			
Uranium	0.203	mg/L	0.00030	82.8	70	130			
Vanadium	0.0444	mg/L	0.0010	87.3	70	130			
Sample ID: C04101313-018AMSD							01/25/05 00:43		
Cadmium	0.0475	mg/L	0.0010	87.7	70	130	10	20	
Cobalt	0.0431	mg/L	0.0010	85	70	130	2.7	20	
Lead	0.0477	mg/L	0.0010	95	70	130	4.8	20	
Nickel	0.0539	mg/L	0.0010	90.1	70	130	7.3	20	
Uranium	0.212	mg/L	0.00030	100	70	130	4.2	20	
Vanadium	0.0464	mg/L	0.0010	91.2	70	130	4.3	20	
Sample ID: C04101313-029AMS							01/25/05 02:18		
Cadmium	0.0457	mg/L	0.0010	91.5	70	130			
Cobalt	0.0434	mg/L	0.0010	86.8	70	130			
Lead	0.0465	mg/L	0.0010	93.1	70	130			
Nickel	0.0455	mg/L	0.0010	91	70	130			
Uranium	0.0509	mg/L	0.00030	102	70	130			
Vanadium	0.0469	mg/L	0.0010	93.9	70	130			
Sample ID: C04101313-029AMSD							01/25/05 02:23		
Cadmium	0.0421	mg/L	0.0010	84.2	70	130	8.3	20	
Cobalt	0.0442	mg/L	0.0010	88.5	70	130	1.9	20	
Lead	0.0453	mg/L	0.0010	90.6	70	130	2.7	20	
Nickel	0.0448	mg/L	0.0010	89.6	70	130	1.5	20	
Uranium	0.0525	mg/L	0.00030	105	70	130	3.0	20	
Vanadium	0.0464	mg/L	0.0010	92.7	70	130	1.2	20	
Sample ID: C04111072-015AMS							01/25/05 04:38		
Cadmium	0.0481	mg/L	0.0010	93.7	70	130			
Cobalt	0.0449	mg/L	0.0010	89.6	70	130			
Lead	0.0516	mg/L	0.0010	103	70	130			
Nickel	0.0482	mg/L	0.0010	94.8	70	130			
Uranium	0.0541	mg/L	0.00030	105	70	130			
Vanadium	0.0488	mg/L	0.0010	97.2	70	130			

Qualifiers:

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ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 01/28/05

Work Order: C05010240

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R45760
Sample ID: C04111072-015AMSD	Matrix Spike Duplicate								01/25/05 04:43
Cadmium	0.0485	mg/L	0.0010	94.4	70	130	0.7	20	
Cobalt	0.0441	mg/L	0.0010	88.1	70	130	1.7	20	
Lead	0.0511	mg/L	0.0010	102	70	130	1.1	20	
Nickel	0.0478	mg/L	0.0010	93.9	70	130	1.0	20	
Uranium	0.0543	mg/L	0.00030	105	70	130	0.4	20	
Vanadium	0.0486	mg/L	0.0010	96.8	70	130	0.4	20	
Sample ID: C04111072-058AMS	Matrix Spike								01/25/05 05:59
Cadmium	0.0432	mg/L	0.0010	80.4	70	130			
Lead	0.0497	mg/L	0.0010	98.7	70	130			
Nickel	0.0537	mg/L	0.0010	88.7	70	130			
Uranium	0.255	mg/L	0.00030	0	70	130			A
Vanadium	0.0475	mg/L	0.0010	93.4	70	130			
Sample ID: C04111072-058AMSD	Matrix Spike Duplicate								01/25/05 06:04
Cadmium	0.0432	mg/L	0.0010	80.4	70	130	0	20	
Lead	0.0480	mg/L	0.0010	95.3	70	130	3.5	20	
Nickel	0.0538	mg/L	0.0010	89.1	70	130	0.3	20	
Uranium	0.252	mg/L	0.00030	0	70	130	1.1	20	A
Vanadium	0.0476	mg/L	0.0010	93.6	70	130	0.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 01/28/05

Work Order: C05010240

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2			Batch: A2005-01-10_1_NO3_01						
Sample ID: MBLK-1	Method Blank								01/10/05 10:22
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05010247-003EMS	Matrix Spike								01/10/05 10:40
Nitrogen, Nitrate+Nitrite as N	1.98	mg/L	0.10	99	90	110			
Sample ID: C05010247-003EMSD	Matrix Spike Duplicate								01/10/05 10:42
Nitrogen, Nitrate+Nitrite as N	2.07	mg/L	0.10	104	90	110	4.4	10	
Sample ID: MBLK-17	Method Blank								01/10/05 11:02
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05010235-005AMS	Matrix Spike								01/10/05 11:17
Nitrogen, Nitrate+Nitrite as N	2.02	mg/L	0.10	101	90	110			
Sample ID: C05010235-005AMSD	Matrix Spike Duplicate								01/10/05 11:20
Nitrogen, Nitrate+Nitrite as N	2.07	mg/L	0.10	104	90	110	2.4	10	
Sample ID: MBLK-32	Method Blank								01/10/05 11:40
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05010269-003CMS	Matrix Spike								01/10/05 12:00
Nitrogen, Nitrate+Nitrite as N	2.31	mg/L	0.10	106	90	110			
Sample ID: C05010269-003CMSD	Matrix Spike Duplicate								01/10/05 12:12
Nitrogen, Nitrate+Nitrite as N	2.19	mg/L	0.10	99.5	90	110	5.3	10	
Sample ID: MBLK-48	Method Blank								01/10/05 12:32
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05010240-002DMS	Matrix Spike								01/10/05 12:47
Nitrogen, Nitrate+Nitrite as N	3.25	mg/L	0.10	105	90	110			
Sample ID: C05010240-002DMSD	Matrix Spike Duplicate								01/10/05 12:50
Nitrogen, Nitrate+Nitrite as N	3.31	mg/L	0.10	108	90	110	1.8	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 01/28/05

Work Order: C05010240

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2							Batch: A2005-01-12_1_NO3_01		
Sample ID: MBLK-1	Method Blank								01/12/05 11:59
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05010353-007AMS	Matrix Spike								01/12/05 12:17
Nitrogen, Nitrate+Nitrite as N	12.5	mg/L	0.15	93.2	90	110			
Sample ID: C05010353-007AMSD	Matrix Spike Duplicate								01/12/05 12:19
Nitrogen, Nitrate+Nitrite as N	12.6	mg/L	0.15	94.2	90	110	0.8	10	
Sample ID: MBLK-17	Method Blank								01/12/05 12:39
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05010327-001BMS	Matrix Spike								01/12/05 12:54
Nitrogen, Nitrate+Nitrite as N	2.31	mg/L	0.10	99	90	110			
Sample ID: C05010327-001BMDS	Matrix Spike Duplicate								01/12/05 12:57
Nitrogen, Nitrate+Nitrite as N	2.35	mg/L	0.10	101	90	110	1.7	10	
Sample ID: MBLK-32	Method Blank								01/12/05 13:17
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05010357-001AMS	Matrix Spike								01/12/05 13:34
Nitrogen, Nitrate+Nitrite as N	6.61	mg/L	0.10	101	90	110			
Sample ID: C05010357-001AMSD	Matrix Spike Duplicate								01/12/05 13:37
Nitrogen, Nitrate+Nitrite as N	6.70	mg/L	0.10	103	90	110	1.4	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 01/28/05

Work Order: C05010240

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							Batch: R45440		
Sample ID: 12-Jan-05_LCS_3	Laboratory Control Spike		01/12/05 11:58						
Chloroform	10.7	ug/L	1.0	107	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	88.8	80	120			
Surr: Dibromofluoromethane			1.0	100	70	130			
Surr: p-Bromofluorobenzene			1.0	111	75	125			
Surr: Toluene-d8			1.0	93.6	80	120			
Sample ID: 12-Jan-05_MBLK_23	Method Blank		01/13/05 03:06						
Chloroform	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			0.5	104	80	120			
Surr: Dibromofluoromethane			0.5	88.8	70	130			
Surr: p-Bromofluorobenzene			0.5	94	75	125			
Surr: Toluene-d8			0.5	98	80	120			
Sample ID: 12-Jan-05_MBLK_8	Method Blank		01/12/05 15:40						
Chloroform	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			0.5	103	80	120			
Surr: Dibromofluoromethane			0.5	101	70	130			
Surr: p-Bromofluorobenzene			0.5	91.6	75	125			
Surr: Toluene-d8			0.5	100	80	120			
Sample ID: C05010245-001EMS	Matrix Spike		01/13/05 10:44						
Chloroform	210	ug/L	5.0	108	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	97.2	80	120			
Surr: Dibromofluoromethane			5.0	102	70	130			
Surr: p-Bromofluorobenzene			5.0	92.8	75	125			
Surr: Toluene-d8			5.0	95.6	80	120			
Sample ID: C05010245-001EMSD	Matrix Spike Duplicate		01/13/05 11:28						
Chloroform	181	ug/L	5.0	79.2	70	130	15	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	96	80	120	0	10	
Surr: Dibromofluoromethane			5.0	98.8	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	93.2	75	125	0	10	
Surr: Toluene-d8			5.0	93.2	80	120	0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 01/28/05

Work Order: C05010240

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1 Batch: R45501									
Sample ID: C05010240-002A	Sample Duplicate								01/12/05 11:10
Gross Alpha minus Rn & U	ND	pCi/L	1.0				0	30	
Sample ID: C05010240-003A	Matrix Spike								01/12/05 11:10
Gross Alpha minus Rn & U	41.2	pCi/L	1.0	104	70	130			
Sample ID: MB-R45501	Method Blank								01/12/05 11:10
Gross Alpha minus Rn & U	ND	pCi/L	1						
Sample ID: LCS-R45501	Laboratory Control Spike								01/12/05 11:10
Gross Alpha minus Rn & U	46.3	pCi/L	1.0	123	70	130			
Method: E903.0 Batch: RA226-0866									
Sample ID: C05010240-001AMS	Matrix Spike								01/10/05 14:35
Radium 226	26	pCi/L	0.20	102	70	130			
Sample ID: C05010240-001AMSD	Matrix Spike Duplicate								01/10/05 14:35
Radium 226	26	pCi/L	0.20	101	70	130	1.5	26.7	
Sample ID: MB-RA226-0866	Method Blank								01/10/05 14:35
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-0866	Laboratory Control Spike								01/10/05 14:35
Radium 226	13	pCi/L	0.20	84.8	70	130			
Method: E904.0 Batch: RA228-0791									
Sample ID: LCS-228-RA226-0866	Laboratory Control Spike								01/10/05 14:35
Radium 228	10	pCi/L	1.0	99	70	130			
Sample ID: MB-RA226-0866	Method Blank								01/10/05 14:35
Radium 228	ND	pCi/L	1						
Sample ID: C05010240-014AMS	Matrix Spike								01/10/05 14:35
Radium 228	20	pCi/L	1.0	107	70	130			
Sample ID: C05010240-014AMSD	Matrix Spike Duplicate								01/10/05 14:35
Radium 228	20	pCi/L	1.0	109	70	130	2.1	29.6	

Qualifiers:

⌋L - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 01/28/05

Work Order: C05010240

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: R45487
Sample ID: MB-R45487	Method Blank								01/11/05 10:30
Thorium 230	ND	pCi/L	0.2						
Sample ID: LCS-R45487	Laboratory Control Spike								01/11/05 10:30
Thorium 230	20.8	pCi/L	0.20	83.2	70	130			
Sample ID: C05010245-001AMS	Matrix Spike								01/11/05 10:30
Thorium 230	448	pCi/L	0.20	108	70	130			
Sample ID: C05010245-001AMSD	Matrix Spike Duplicate								01/11/05 10:30
Thorium 230	366	pCi/L	0.20	42.5	70	130	20	30	S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the batch is approved.									
Method: NERHL-65-4									Batch: 05PB-42
Sample ID: 210	Laboratory Control Spike								01/12/05 17:48
Lead 210	78	pCi/L	1.0	89.1	70	130			
Sample ID: C05010240-011AMS	Matrix Spike								01/12/05 17:48
Lead 210	280	pCi/L	1.0	125	70	130			
Sample ID: MB	Method Blank								01/12/05 17:48
Lead 210	ND	pCi/L	1						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



ANALYTICAL SUMMARY REPORT

February 03, 2005

Max Chischilly
United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C05010488

Quote ID: C129 - Quarterly Long List

Project Name: Alluvium

Energy Laboratories Inc. received the following 2 samples from United Nuclear Corp on 1/14/2005 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C05010488-001	627	01/12/05 9:20	01/14/05	Aqueous	Metals by ICP/ICPMS, Total Alkalinity QA Calculations Arsenic-III, Total Selenium-IV, Total Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved E624 Purgeable Organics
C05010488-002	SBL-1	01/12/05 10:30	01/14/05	Aqueous	Same As Above

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative or Report.

If you have any questions regarding these tests results, please call.

Report Approved By:


JAMES YOUNG
QUALITY ASSURANCE DIRECTOR



QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 02/03/05

Work Order: C05010488

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B							Batch: 050118_2_ALK-W		
Sample ID: MBLK1_050118_2	Method Blank							01/18/05 14:53	
Bicarbonate as HCO ₃	ND	mg/L	1						
Method: A2320 B							Batch: 050119_1_ALK-W		
Sample ID: MBLK1_050119_1	Method Blank							01/19/05 09:40	
Bicarbonate as HCO ₃	ND	mg/L	1						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 02/03/05
Work Order: C05010488

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C					Batch: 050117C-SLDS-TDS-W				
Sample ID: LCS1_050117C	Laboratory Control Spike								01/17/05 16:35
Solids, Total Dissolved TDS @ 180 C	994	mg/L	10	99.4	90	110			
Sample ID: MBLK1_050117C	Method Blank								01/17/05 16:35
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05010489-002AMS	Matrix Spike								01/17/05 16:38
Solids, Total Dissolved TDS @ 180 C	24800	mg/L	10	101	90	110			
Sample ID: C05010489-002AMSD	Matrix Spike Duplicate								01/17/05 16:38
Solids, Total Dissolved TDS @ 180 C	24800	mg/L	10	101	90	110	0	10	
Sample ID: C05010491-002BMS	Matrix Spike								01/17/05 16:41
Solids, Total Dissolved TDS @ 180 C	26700	mg/L	10	102	90	110			
Sample ID: C05010491-002BMSD	Matrix Spike Duplicate								01/17/05 16:41
Solids, Total Dissolved TDS @ 180 C	26500	mg/L	10	101	90	110	0.6	10	
Sample ID: LCS2_050117C	Laboratory Control Spike								01/17/05 16:42
Solids, Total Dissolved TDS @ 180 C	990	mg/L	10	99	90	110			
Sample ID: MBLK2_050117C	Method Blank								01/17/05 16:42
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05010524-001AMS	Matrix Spike								01/17/05 16:44
Solids, Total Dissolved TDS @ 180 C	22000	mg/L	10	101	90	110			
Sample ID: C05010524-001AMSD	Matrix Spike Duplicate								01/17/05 16:45
Solids, Total Dissolved TDS @ 180 C	22100	mg/L	10	101	90	110	0.2	10	
Sample ID: C05010525-002DMS	Matrix Spike								01/17/05 16:45
Solids, Total Dissolved TDS @ 180 C	20400	mg/L	10	100	90	110			
Sample ID: C05010525-002DMSD	Matrix Spike Duplicate								01/17/05 16:46
Solids, Total Dissolved TDS @ 180 C	20500	mg/L	10	101	90	110	0.5	10	
Sample ID: LCS3_050117C	Laboratory Control Spike								01/17/05 16:46
Solids, Total Dissolved TDS @ 180 C	1000	mg/L	10	100	90	110			

Qualifiers:

- Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 02/03/05

Work Order: C05010488

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: ASIII-3114-050117		
Sample ID: MBLK	Method Blank								01/17/05 11:39
Arsenic-III	ND	mg/L	0.0004						
Sample ID: C05010488-001A MS	Matrix Spike								01/17/05 12:11
Arsenic-III	0.0493	mg/L	0.0010	98.6	85	115			
Sample ID: C05010488-001A MSD	Matrix Spike Duplicate								01/17/05 12:13
Arsenic-III	0.0503	mg/L	0.0010	101	85	115	2.0	10	
Sample ID: C265-15-1	Laboratory Control Spike								01/17/05 12:15
Arsenic-III	0.0509	mg/L	0.0010	102	90	110			
Sample ID: MBLK	Method Blank								01/17/05 12:20
Arsenic-III	ND	mg/L	0.0004						
Sample ID: C05010491-002A MS	Matrix Spike								01/17/05 12:49
Arsenic-III	0.0637	mg/L	0.0010	89.2	85	115			
Sample ID: C05010491-002A MSD	Matrix Spike Duplicate								01/17/05 12:51
Arsenic-III	0.0645	mg/L	0.0010	90.8	85	115	1.2	10	
Sample ID: C265-15-1	Laboratory Control Spike								01/17/05 12:52
Arsenic-III	0.0527	mg/L	0.0010	105	90	110			
Sample ID: MBLK	Method Blank								01/17/05 12:56
Arsenic-III	ND	mg/L	0.0004						

Qualifiers:

— L - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 02/03/05

Work Order: C05010488

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B			Batch: SEIV-3114-050118						
Sample ID: MBLK Selenium-IV	Method Blank ND	mg/L	0.0003						01/18/05 10:00
Sample ID: C05010488-001A MS Selenium-IV	Matrix Spike 0.0513	mg/L	0.0010	100	85	115			01/18/05 10:19
Sample ID: C05010488-001A MSD Selenium-IV	Matrix Spike Duplicate 0.0514	mg/L	0.0010	100	85	115	0		01/18/05 10:21 10
Sample ID: C265-15-1 Selenium-IV	Laboratory Control Spike 0.0487	mg/L	0.0010	97.5	90	110			01/18/05 10:23
Sample ID: MBLK Selenium-IV	Method Blank ND	mg/L	0.0003						01/18/05 10:28
Sample ID: C05010491-002A MS Selenium-IV	Matrix Spike 0.0451	mg/L	0.0010	90.3	85	115			01/18/05 10:48
Sample ID: C05010491-002A MSD Selenium-IV	Matrix Spike Duplicate 0.0454	mg/L	0.0010	90.9	85	115	0.6		01/18/05 10:49 10
Sample ID: C265-15-1 Selenium-IV	Laboratory Control Spike 0.0477	mg/L	0.0010	95.3	90	110			01/18/05 10:51
Sample ID: MBLK Selenium-IV	Method Blank ND	mg/L	0.0003						01/18/05 10:55
Method: A4500-H B			Batch: PHSC050117A						
Sample ID: C05010489-001A pH	Sample Duplicate 6.72	s.u.	0.010				0.9		01/17/05 16:28 10
Sample ID: C05010491-001B pH	Sample Duplicate 6.76	s.u.	0.010				0.1		01/17/05 16:44 10
Sample ID: C05010491-011B pH	Sample Duplicate 6.43	s.u.	0.010				0.9		01/17/05 16:59 10
Sample ID: C05010492-010D pH	Sample Duplicate 7.81	s.u.	0.010				1.8		01/17/05 17:13 10
Sample ID: C05010524-001A pH	Sample Duplicate 7.89	s.u.	0.010				0		01/17/05 17:23 10

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 02/03/05

Work Order: C05010488

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G			Batch: A2005-01-19_1_NH3_01						
Sample ID: MBLK-1	Method Blank								01/20/05 09:12
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05010490-003DMS	Matrix Spike								01/20/05 09:27
Nitrogen, Ammonia as N	2.79	mg/L	0.050	112	80	120			
Sample ID: C05010490-003DMSD	Matrix Spike Duplicate								01/20/05 09:28
Nitrogen, Ammonia as N	2.82	mg/L	0.050	113	80	120	1.1	20	
Sample ID: MBLK-17	Method Blank								01/20/05 09:45
Nitrogen, Ammonia as N	0.07	mg/L	0.02						
Sample ID: C05010490-006DMS	Matrix Spike								01/20/05 09:56
Nitrogen, Ammonia as N	2.84	mg/L	0.050	104	80	120			
Sample ID: C05010490-006DMSD	Matrix Spike Duplicate								01/20/05 09:58
Nitrogen, Ammonia as N	2.96	mg/L	0.050	110	80	120	4.1	20	
Sample ID: MBLK-32	Method Blank								01/20/05 10:14
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05010491-009DMS	Matrix Spike								01/20/05 10:28
Nitrogen, Ammonia as N	3.02	mg/L	0.050	110	80	120			
Sample ID: C05010491-009DMSD	Matrix Spike Duplicate								01/20/05 10:30
Nitrogen, Ammonia as N	3.05	mg/L	0.050	111	80	120	1.0	20	
Sample ID: MBLK-48	Method Blank								01/20/05 10:46
Nitrogen, Ammonia as N	0.03	mg/L	0.02						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 02/03/05

Work Order: C05010488

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R45924		
Sample ID: C05010490-006AMS1	Matrix Spike								01/27/05 13:05
Calcium	1030	mg/L	0.57	93.8	70	130			
Magnesium	821	mg/L	0.53	87.9	70	130			
Potassium	463	mg/L	0.52	90.8	70	130			
Sodium	654	mg/L	0.62	92.5	70	130			
Sample ID: C05010490-006AMS2	Matrix Spike								01/27/05 13:08
Aluminum	8.91	mg/L	0.10	89.1	70	130			
Beryllium	8.87	mg/L	0.010	88.7	70	130			
Manganese	12.3	mg/L	0.010	90	70	130			
Molybdenum	8.88	mg/L	0.79	88.8	70	130			
Vanadium	9.09	mg/L	0.10	90.9	70	130			
Sample ID: C05010490-006AMS3	Matrix Spike								01/27/05 13:20
Chloride	967	mg/L	1.0	92.3	70	130			
Sulfate	3780	mg/L	8.0	89.1	70	130			
Sample ID: C05010490-006AMSD1	Matrix Spike Duplicate								01/27/05 13:23
Calcium	1040	mg/L	0.57	96.4	70	130	1.3	20	
Magnesium	832	mg/L	0.53	90.1	70	130	1.3	20	
Potassium	472	mg/L	0.52	92.5	70	130	1.8	20	
Sodium	663	mg/L	0.62	94.3	70	130	1.4	20	
Sample ID: C05010490-006AMSD2	Matrix Spike Duplicate								01/27/05 13:26
Aluminum	9.47	mg/L	0.10	94.7	70	130	6.1	20	
Beryllium	9.32	mg/L	0.010	93.2	70	130	4.9	20	
Manganese	12.9	mg/L	0.010	95.4	70	130	4.3	20	
Molybdenum	9.06	mg/L	0.79	90.6	70	130	2.0	20	
Vanadium	9.59	mg/L	0.10	95.9	70	130	5.4	20	
Sample ID: C05010490-006AMSD3	Matrix Spike Duplicate								01/27/05 13:29
Chloride	1020	mg/L	1.0	97.2	70	130	4.9	20	
Sulfate	3780	mg/L	8.0	88.9	70	130	0	20	
Sample ID: C05010491-004AMS1	Matrix Spike								01/27/05 14:09
Calcium	1160	mg/L	0.57	85.2	70	130			
Magnesium	614	mg/L	0.53	91.6	70	130			
Potassium	459	mg/L	0.52	90	70	130			
Sodium	603	mg/L	0.62	89.6	70	130			
Sample ID: C05010491-004AMS2	Matrix Spike								01/27/05 14:12
Aluminum	9.49	mg/L	0.10	94.9	70	130			
Beryllium	9.23	mg/L	0.010	92.3	70	130			

Qualifiers:

ND - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 02/03/05

Work Order: C05010488

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R45924		
Sample ID: C05010491-004AMS2 Matrix Spike							01/27/05 14:12		
Manganese	11.6	mg/L	0.010	94	70	130			
Molybdenum	9.04	mg/L	0.79	90.4	70	130			
Vanadium	9.57	mg/L	0.10	95.7	70	130			
Sample ID: C05010491-004AMS3 Matrix Spike							01/27/05 14:15		
Chloride	1080	mg/L	1.0	99.5	70	130			
Sulfate	2620	mg/L	8.0	82.4	70	130			
Sample ID: C05010491-004AMSD1 Matrix Spike Duplicate							01/27/05 14:18		
Calcium	1180	mg/L	0.57	89.2	70	130	1.7	20	
Magnesium	636	mg/L	0.53	96	70	130	3.5	20	
Potassium	484	mg/L	0.52	94.9	70	130	5.2	20	
Sodium	632	mg/L	0.62	95.4	70	130	4.7	20	
Sample ID: C05010491-004AMSD2 Matrix Spike Duplicate							01/27/05 14:21		
Aluminum	9.51	mg/L	0.10	95.1	70	130	0.2	20	
Beryllium	9.28	mg/L	0.010	92.8	70	130	0.5	20	
Manganese	11.6	mg/L	0.010	94.4	70	130	0.4	20	
Molybdenum	9.01	mg/L	0.79	90.1	70	130	0.3	20	
Vanadium	9.59	mg/L	0.10	95.9	70	130	0.2	20	
Sample ID: C05010491-004AMSD3 Matrix Spike Duplicate							01/27/05 14:24		
Sulfate	2620	mg/L	8.0	81.9	70	130	0.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 02/03/05

Work Order: C05010488

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R45987		
Sample ID: LRB	Method Blank		01/31/05 14:10						
Cadmium	ND	mg/L	0.0002						
Cobalt	ND	mg/L	0.00003						
Lead	ND	mg/L	0.00002						
Nickel	ND	mg/L	0.00008						
Uranium	ND	mg/L	0.00004						
Sample ID: C05010748-001CMS4	Post Digestion Spike		01/31/05 18:13						
Cadmium	0.0488	mg/L	0.010	97.6	70	130			
Cobalt	0.0533	mg/L	0.010	97.8	70	130			
Lead	0.0523	mg/L	0.050	104	70	130			
Nickel	0.0599	mg/L	0.050	96.1	70	130			
Uranium	0.102	mg/L	0.00030	111	70	130			
Sample ID: C05010748-001CMSD4	Post Digestion Spike Dup		01/31/05 18:49						
Cadmium	0.0479	mg/L	0.010	95.7	70	130	2.0	20	
Cobalt	0.0527	mg/L	0.010	96.5	70	130	1.2	20	
Lead	0.0517	mg/L	0.050	103	70	130	1.1	20	
Nickel	0.0590	mg/L	0.050	94.3	70	130	1.5	20	
Uranium	0.103	mg/L	0.00030	112	70	130	0.6	20	
Sample ID: C05010410-004AMS4	Post Digestion Spike		01/31/05 20:44						
Cadmium	0.0509	mg/L	0.010	102	70	130			
Cobalt	0.0503	mg/L	0.010	101	70	130			
Lead	0.0511	mg/L	0.050	101	70	130			
Nickel	0.0516	mg/L	0.050	103	70	130			
Uranium	0.0507	mg/L	0.00030	101	70	130			
Sample ID: C05010410-004AMSD4	Post Digestion Spike Dup		01/31/05 20:51						
Cadmium	0.0501	mg/L	0.010	100	70	130	1.7	20	
Cobalt	0.0506	mg/L	0.010	101	70	130	0.4	20	
Lead	0.0508	mg/L	0.050	100	70	130	0.6	20	
Nickel	0.0515	mg/L	0.050	103	70	130	0.2	20	
Uranium	0.0500	mg/L	0.00030	100	70	130	1.4	20	
Sample ID: C05010887-001BMS4	Post Digestion Spike		01/31/05 21:12						
Cadmium	0.0457	mg/L	0.010	91.5	70	130			
Cobalt	0.0498	mg/L	0.010	98.7	70	130			
Lead	0.0526	mg/L	0.050	105	70	130			
Nickel	0.0539	mg/L	0.050	97.6	70	130			
Uranium	0.0566	mg/L	0.00030	109	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 02/03/05

Work Order: C05010488

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R45987		
Sample ID: C05010887-001BMDS4 Post Digestion Spike Dup							01/31/05 21:19		
Cadmium	0.0449	mg/L	0.010	89.7	70	130	1.9	20	
Cobalt	0.0510	mg/L	0.010	101	70	130	2.4	20	
Lead	0.0522	mg/L	0.050	104	70	130	0.9	20	
Nickel	0.0546	mg/L	0.050	99.2	70	130	1.4	20	
Uranium	0.0567	mg/L	0.00030	110	70	130	0.3	20	
Sample ID: C05010491-003AMS4 Post Digestion Spike							01/31/05 23:50		
Cadmium	0.242	mg/L	0.010	97	70	130			
Cobalt	0.616	mg/L	0.010	106	70	130			
Lead	0.264	mg/L	0.050	102	70	130			
Nickel	0.706	mg/L	0.050	100	70	130			
Uranium	0.342	mg/L	0.00030	106	70	130			
Sample ID: C05010491-003AMS4 Post Digestion Spike Dup							01/31/05 23:58		
Cadmium	0.241	mg/L	0.010	96.4	70	130	0.6	20	
Cobalt	0.593	mg/L	0.010	96.7	70	130	3.8	20	
Lead	0.264	mg/L	0.050	102	70	130	0	20	
Nickel	0.685	mg/L	0.050	91.7	70	130	3.0	20	
Uranium	0.338	mg/L	0.00030	105	70	130	1.2	20	
Sample ID: C05010488-002AMS4 Post Digestion Spike							02/01/05 03:26		
Cadmium	0.471	mg/L	0.010	94.2	70	130			
Cobalt	0.474	mg/L	0.010	91.2	70	130			
Lead	0.490	mg/L	0.050	98.1	70	130			
Nickel	0.546	mg/L	0.050	92.2	70	130			
Uranium	0.527	mg/L	0.00035	99.6	70	130			
Sample ID: C05010488-002AMS4 Post Digestion Spike Dup							02/01/05 03:33		
Cadmium	0.479	mg/L	0.010	95.8	70	130	1.7	20	
Cobalt	0.492	mg/L	0.010	94.6	70	130	3.6	20	
Lead	0.501	mg/L	0.050	100	70	130	2.2	20	
Nickel	0.558	mg/L	0.050	94.7	70	130	2.2	20	
Uranium	0.543	mg/L	0.00035	103	70	130	3.0	20	
Sample ID: C05010511-001AMS4 Post Digestion Spike							02/01/05 03:54		
Cadmium	0.0515	mg/L	0.010	103	70	130			
Cobalt	0.0508	mg/L	0.010	101	70	130			
Lead	0.0503	mg/L	0.050	100	70	130			
Nickel	0.0510	mg/L	0.050	101	70	130			
Uranium	0.0505	mg/L	0.00030	101	70	130			

Qualifiers:

ND - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 02/03/05

Work Order: C05010488

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R45987
Sample ID: C05010511-001AMSD4	Post Digestion Spike Dup								02/01/05 04:30
Cadmium	0.0494	mg/L	0.010	98.8	70	130	4.1	20	
Cobalt	0.0488	mg/L	0.010	97.2	70	130	4.0	20	
Lead	0.0494	mg/L	0.050	98.3	70	130	0	20	
Nickel	0.0494	mg/L	0.050	97.5	70	130	0	20	
Uranium	0.0498	mg/L	0.00030	99.5	70	130	1.4	20	
Method: E353.2									Batch: A2005-01-17_1_NO3_03
Sample ID: MBLK-1	Method Blank								01/17/05 13:41
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05010491-007DMS	Matrix Spike								01/17/05 13:57
Nitrogen, Nitrate+Nitrite as N	2.26	mg/L	0.10	93.5	90	110			
Sample ID: C05010491-007DMSD	Matrix Spike Duplicate								01/17/05 13:59
Nitrogen, Nitrate+Nitrite as N	2.36	mg/L	0.10	98.5	90	110	4.3	10	
Sample ID: MBLK-17	Method Blank								01/17/05 14:32
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05010490-003DMS	Matrix Spike								01/17/05 14:47
Nitrogen, Nitrate+Nitrite as N	1.96	mg/L	0.10	98	90	110			
Sample ID: C05010490-003DMSD	Matrix Spike Duplicate								01/17/05 14:49
Nitrogen, Nitrate+Nitrite as N	1.90	mg/L	0.10	95	90	110	3.1	10	

Qualifiers:

ND - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 02/03/05

Work Order: C05010488

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624 Batch: R45719									
Sample ID: 21-Jan-05_LCS_3	Laboratory Control Spike								01/21/05 13:31
Chloroform	8.96	ug/L	1.0	89.6	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	95.2	80	120			
Surr: Dibromofluoromethane			1.0	101	70	130			
Surr: p-Bromofluorobenzene			1.0	124	75	125			
Surr: Toluene-d8			1.0	101	80	120			
Sample ID: 21-Jan-05_MBLK_6	Method Blank								01/21/05 15:45
Chloroform	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			0.5	106	80	120			
Surr: Dibromofluoromethane			0.5	103	70	130			
Surr: p-Bromofluorobenzene			0.5	98.8	75	125			
Surr: Toluene-d8			0.5	101	80	120			
Sample ID: C05010490-003EMS	Matrix Spike								01/22/05 00:46
Chloroform	86.8	ug/L	5.0	86.8	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	106	80	120			
Surr: Dibromofluoromethane			5.0	101	70	130			
Surr: p-Bromofluorobenzene			5.0	108	75	125			
Surr: Toluene-d8			5.0	100	80	120			
Sample ID: C05010490-003EMSD	Matrix Spike Duplicate								01/22/05 01:31
Chloroform	88.4	ug/L	5.0	88.4	70	130	1.8	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	103	80	120	0	10	
Surr: Dibromofluoromethane			5.0	101	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	102	75	125	0	10	
Surr: Toluene-d8			5.0	102	80	120	0	10	
Method: E900.1 Batch: R45619									
Sample ID: C05010424-002D	Matrix Spike								01/17/05 09:55
Gross Alpha minus Rn & U	67.0	pCi/L	1.0	88.9	70	130			
Sample ID: C05010424-002D	Matrix Spike Duplicate								01/17/05 09:55
Gross Alpha minus Rn & U	73.7	pCi/L	1.0	97.7	70	130	9.5	30	
Sample ID: MB-R45619	Method Blank								01/17/05 09:55
Gross Alpha minus Rn & U	ND	pCi/L	1						
Sample ID: LCS-R45619	Laboratory Control Spike								01/17/05 09:55
Gross Alpha minus Rn & U	34.7	pCi/L	1.0	92	70	130			

Qualifiers:

ND - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 02/03/05

Work Order: C05010488

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0			Batch: RA226-0872						
Sample ID: C05010410-002AMS	Matrix Spike								01/17/05 13:25
Radium 226	22.8	pCi/L	0.20	90.2	70	130			
Sample ID: C05010410-002AMSD	Matrix Spike Duplicate								01/17/05 13:25
Radium 226	27.9	pCi/L	0.20	111	70	130	20	29.3	
Sample ID: MB-RA226-0872	Method Blank								01/17/05 13:25
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-0872	Laboratory Control Spike								01/17/05 13:25
Radium 226	18	pCi/L	0.20	121	70	130			
Method: E904.0			Batch: RA228-0794						
Sample ID: LCS-228-RA226-0872	Laboratory Control Spike								01/17/05 13:25
Radium 228	9.84	pCi/L	1.0	96.1	70	130			
Sample ID: MB-RA226-0872	Method Blank								01/17/05 13:25
Radium 228	ND	pCi/L	1						
Sample ID: C05010410-002AMS	Matrix Spike								01/17/05 13:25
Radium 228	16.3	pCi/L	1.0	95.7	70	130			
Sample ID: C05010410-002AMSD	Matrix Spike Duplicate								01/17/05 13:25
Radium 228	18.0	pCi/L	1.0	106	70	130	10	33.5	
Method: E907.0			Batch: R45661						
Sample ID: MB-R45661	Method Blank								01/17/05 10:30
Thorium 230	ND	pCi/L	0.2						
Sample ID: LCS-R45661	Laboratory Control Spike								01/17/05 10:30
Thorium 230	21.3	pCi/L	0.20	85.2	70	130			
Sample ID: C05010491-011AMS	Matrix Spike								01/17/05 10:30
Thorium 230	151	pCi/L	0.20	121	70	130			
Sample ID: C05010491-011AMSD	Matrix Spike Duplicate								01/17/05 10:30
Thorium 230	125	pCi/L	0.20	100	70	130	19	30	

Qualifiers:

ND - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 02/03/05

Work Order: C05010488

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: NERHL-65-4									Batch: 05PB-45
Sample ID: 210	Laboratory Control Spike								01/20/05 05:44
Lead 210	85	pCi/L	1.0	96.7	70	130			
Sample ID: C05010491-001A	Matrix Spike								01/20/05 05:44
Lead 210	170	pCi/L	1.0	77.9	70	130			
Sample ID: C05010491-001A	Matrix Spike Duplicate								01/20/05 05:44
Lead 210	200	pCi/L	1.0	93.2	70	130	18	30	
Sample ID: MB	Method Blank								01/20/05 05:44
Lead 210	ND	pCi/L	1						

Qualifiers:

— L - Analyte reporting limit.

ND - Not detected at the reporting limit.

ANALYTICAL SUMMARY REPORT

May 02, 2005

Max Chischilly
United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C05040333

Quote ID: C129 - Quarterly Long List

Project Name: Alluvium

Energy Laboratories Inc. received the following 17 samples from United Nuclear Corp on 4/8/2005 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C05040333-001	509-D	04/04/05 9:30	04/08/05	Aqueous	Metals by ICP/ICPMS, Total Alkalinity QA Calculations Arsenic-III, Total Selenium-IV, Total Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved E624 Purgeable Organics
C05040333-002	EPA-23	04/04/05 10:00	04/08/05	Aqueous	Same As Above
C05040333-003	803	04/04/05 10:30	04/08/05	Aqueous	Same As Above
C05040333-004	808	04/04/05 11:00	04/08/05	Aqueous	Same As Above
C05040333-005	802	04/04/05 11:30	04/08/05	Aqueous	Same As Above
C05040333-006	801	04/04/05 13:45	04/08/05	Aqueous	Same As Above
C05040333-007	GW-2	04/04/05 14:15	04/08/05	Aqueous	Same As Above
C05040333-008	GW-1	04/04/05 14:50	04/08/05	Aqueous	Same As Above
C05040333-009	624	04/05/05 9:05	04/08/05	Aqueous	Same As Above
C05040333-010	624 Duplicate	04/05/05 9:30	04/08/05	Aqueous	Same As Above
C05040333-011	SBL-1	04/05/05 10:00	04/08/05	Aqueous	Same As Above
C05040333-012	EPA-28	04/05/05 10:35	04/08/05	Aqueous	Same As Above
C05040333-013	632	04/05/05 11:10	04/08/05	Aqueous	Same As Above
C05040333-014	GW-3	04/05/05 13:15	04/08/05	Aqueous	Same As Above
C05040333-015	EPA-25	04/05/05 14:00	04/08/05	Aqueous	Same As Above
C05040333-016	627	04/05/05 14:40	04/08/05	Aqueous	Same As Above



C05040333-017 Field Blank

04/06/05 11:20 04/08/05

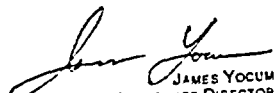
Aqueous

Metals by ICP/ICPMS, Total
Alkalinity
Arsenic-III, Total
Selenium-IV, Total
Nitrogen, Ammonia
Nitrogen, Nitrate + Nitrite
pH
Gross Alpha minus Rn222 and Uranium
Lead 210, Total
Radium 226, Total
Radium 228, Total
Thorium, Isotopic
Solids, Total Dissolved
E624 Purgeable Organics

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative or Report.

If you have any questions regarding these tests results, please call.

Report Approved By:


JAMES YOCUM
QUALITY ASSURANCE DIRECTOR



QA/QC Summary Report

Client: United Nuclear Corp

Report Date: 04/29/05

Project: Alluvium

Work Order: C05040333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B							Batch: 050414_1_ALK-W		
Sample ID: MBLK1_050414_1	Method Blank								04/14/05 11:32
Bicarbonate as HCO ₃	ND	mg/L		1					
Sample ID: MBLK2_050414_1	Method Blank								04/14/05 16:03
Bicarbonate as HCO ₃	ND	mg/L		1					

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 04/29/05

Work Order: C05040333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C					Batch: 050411A-SLDS-TDS-W				
Sample ID: LCS1_050411A	Laboratory Control Spike								04/11/05 14:28
Solids, Total Dissolved TDS @ 180 C	992	mg/L	10	99.2	90	110			
Sample ID: MBLK1_050411A	Method Blank								04/11/05 14:29
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05040307-016AMS	Matrix Spike								04/11/05 14:32
Solids, Total Dissolved TDS @ 180 C	10700	mg/L	10	101	90	110			
Sample ID: C05040307-016AMSD	Matrix Spike Duplicate								04/11/05 14:33
Solids, Total Dissolved TDS @ 180 C	10800	mg/L	10	101	90	110	0.7	10	
Sample ID: C05040333-001CDUP	Sample Duplicate								04/11/05 14:38
Solids, Total Dissolved TDS @ 180 C	6040	mg/L	10				0.2	10	
Sample ID: C05040333-001CMS	Matrix Spike								04/11/05 14:38
Solids, Total Dissolved TDS @ 180 C	26200	mg/L	10	101	90	110			
Sample ID: C05040333-001CMSD	Matrix Spike Duplicate								04/11/05 14:38
Solids, Total Dissolved TDS @ 180 C	26200	mg/L	10	101	90	110	0.3	10	
Sample ID: LCS2_050411A	Laboratory Control Spike								04/11/05 14:38
Solids, Total Dissolved TDS @ 180 C	998	mg/L	10	99.8	90	110			
Sample ID: MBLK2_050411A	Method Blank								04/11/05 14:48
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05040333-011CMS	Matrix Spike								04/11/05 14:52
Solids, Total Dissolved TDS @ 180 C	28500	mg/L	10	98.1	90	110			
Sample ID: C05040333-011CMSD	Matrix Spike Duplicate								04/11/05 14:52
Solids, Total Dissolved TDS @ 180 C	29100	mg/L	10	101	90	110	2.0	10	
Sample ID: C05040333-017CDUP	Sample Duplicate								04/11/05 17:05
Solids, Total Dissolved TDS @ 180 C	10.0	mg/L	10				0	10	
Sample ID: C05040333-017CMS	Matrix Spike								04/11/05 17:06
Solids, Total Dissolved TDS @ 180 C	20300	mg/L	10	101	90	110			
Sample ID: C05040333-017CMSD	Matrix Spike Duplicate								04/11/05 17:06
Solids, Total Dissolved TDS @ 180 C	20200	mg/L	10	101	90	110	0.5	10	
Sample ID: LCS3_050411A	Laboratory Control Spike								04/11/05 17:06
Solids, Total Dissolved TDS @ 180 C	996	mg/L	10	99.6	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 04/29/05

Work Order: C05040333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: ASIII3114-050411		
Sample ID: MBLK	Method Blank								04/11/05 10:41
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05040333-001AMS	Matrix Spike								04/11/05 11:03
Arsenic-III	0.0476	mg/L	0.0010	95.1	85	115			
Sample ID: C05040333-001AMSD	Matrix Spike Duplicate								04/11/05 11:05
Arsenic-III	0.0478	mg/L	0.0010	95.6	85	115	0.5	10	
Sample ID: C265-37-6	Laboratory Control Spike								04/11/05 11:07
Arsenic-III	0.0488	mg/L	0.0010	97.6	90	110			
Sample ID: MBLK	Method Blank								04/11/05 11:20
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05040333-011AMS	Matrix Spike								04/11/05 11:42
Arsenic-III	0.0513	mg/L	0.0010	103	85	115			
Sample ID: C05040333-011AMSD	Matrix Spike Duplicate								04/11/05 11:44
Arsenic-III	0.0515	mg/L	0.0010	103	85	115	0.3	10	
Sample ID: C265-37-6	Laboratory Control Spike								04/11/05 11:46
Arsenic-III	0.0499	mg/L	0.0010	99.8	90	110			
Sample ID: MBLK	Method Blank								04/11/05 11:52
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05040335-003AMS	Matrix Spike								04/11/05 11:56
Arsenic-III	0.0493	mg/L	0.0010	98.7	85	115			
Sample ID: C05040335-003AMSD	Matrix Spike Duplicate								04/11/05 11:58
Arsenic-III	0.0510	mg/L	0.0010	102	85	115	3.3	10	
Sample ID: C265-37-6	Laboratory Control Spike								04/11/05 12:00
Arsenic-III	0.0486	mg/L	0.0010	97.2	90	110			
Sample ID: MBLK	Method Blank								04/11/05 12:04
Arsenic-III	ND	mg/L	0.0005						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 04/29/05
Work Order: C05040333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B		Batch: SEIV3114-050413							
Sample ID: MBLK	Method Blank								04/13/05 09:38
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05040333-001AMS	Matrix Spike								04/13/05 09:59
Selenium-IV	0.0503	mg/L	0.0010	101	85	115			
Sample ID: C05040333-001AMSD	Matrix Spike Duplicate								04/13/05 10:01
Selenium-IV	0.0486	mg/L	0.0010	97.1	85	115	3.6	10	
Sample ID: C265-37-6	Laboratory Control Spike								04/13/05 10:03
Selenium-IV	0.0525	mg/L	0.0010	105	90	110			
Sample ID: MBLK	Method Blank								04/13/05 10:09
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05040333-011AMS	Matrix Spike								04/13/05 10:33
Selenium-IV	0.0482	mg/L	0.0010	96.3	85	115			
Sample ID: C05040333-011AMSD	Matrix Spike Duplicate								04/13/05 10:35
Selenium-IV	0.0499	mg/L	0.0010	99.8	85	115	3.5	10	
Sample ID: C265-37-6	Laboratory Control Spike								04/13/05 10:37
Selenium-IV	0.0500	mg/L	0.0010	100	90	110			
Sample ID: MBLK	Method Blank								04/13/05 10:43
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05040335-003AMS	Matrix Spike								04/13/05 10:52
Selenium-IV	0.0516	mg/L	0.0010	98.2	85	115			
Sample ID: C05040335-003AMSD	Matrix Spike Duplicate								04/13/05 10:54
Selenium-IV	0.0496	mg/L	0.0010	94.3	85	115	3.8	10	
Sample ID: C265-37-6	Laboratory Control Spike								04/13/05 10:56
Selenium-IV	0.0494	mg/L	0.0010	98.8	90	110			
Sample ID: MBLK	Method Blank								04/13/05 10:59
Selenium-IV	ND	mg/L	0.0002						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 04/29/05

Work Order: C05040333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B							Batch: PHSC050412A		
Sample ID: C05040333-011CDUP	Sample Duplicate								04/12/05 14:23
pH	7.54	s.u.	0.010				0.4	10	
Sample ID: C05040335-002BDUP	Sample Duplicate								04/12/05 14:52
pH	4.69	s.u.	0.010				0.9	10	
Sample ID: C05040420-001CDUP	Sample Duplicate								04/12/05 15:19
pH	8.24	s.u.	0.010				0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 04/29/05

Work Order: C05040333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G			Batch: A2005-04-08_1_NH3_01						
Sample ID: MBLK-1	Method Blank								04/11/05 13:51
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05040181-001DMS	Matrix Spike								04/11/05 14:05
Nitrogen, Ammonia as N	35.4	mg/L	0.40	92.5	80	120			
Sample ID: C05040181-001DMSD	Matrix Spike Duplicate								04/11/05 14:07
Nitrogen, Ammonia as N	36.8	mg/L	0.40	107	80	120	3.9		20
Sample ID: MBLK-17	Method Blank								04/11/05 14:23
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05040244-003BMS	Matrix Spike								04/11/05 14:41
Nitrogen, Ammonia as N	1.60	mg/L	0.050	107	80	120			
Sample ID: C05040244-003BMSD	Matrix Spike Duplicate								04/11/05 14:43
Nitrogen, Ammonia as N	1.54	mg/L	0.050	103	80	120	3.8		20
Sample ID: MBLK-32	Method Blank								04/11/05 14:59
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05040245-009BMS	Matrix Spike								04/11/05 15:17
Nitrogen, Ammonia as N	3.10	mg/L	0.050	95.5	80	120			
Sample ID: C05040245-009BMSD	Matrix Spike Duplicate								04/11/05 15:19
Nitrogen, Ammonia as N	3.13	mg/L	0.050	97	80	120	1.0		20
Sample ID: MBLK-48	Method Blank								04/11/05 15:35
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: MBLK-63	Method Blank								04/11/05 16:05
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05040333-007DMS	Matrix Spike								04/11/05 16:19
Nitrogen, Ammonia as N	2.01	mg/L	0.050	101	80	120			
Sample ID: C05040333-007DMSD	Matrix Spike Duplicate								04/11/05 16:21
Nitrogen, Ammonia as N	2.01	mg/L	0.050	101	80	120	0		20
Sample ID: MBLK-79	Method Blank								04/11/05 16:37
Nitrogen, Ammonia as N	ND	mg/L	0.02						

Qualifiers:

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ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 04/29/05
Work Order: C05040333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G			Batch: A2005-04-12_1_NH3_01						
Sample ID: MBLK-1	Method Blank								04/12/05 08:47
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05040333-016DMS	Matrix Spike								04/12/05 09:01
Nitrogen, Ammonia as N	2.17	mg/L	0.050	108	80	120			
Sample ID: C05040333-016DMSD	Matrix Spike Duplicate								04/12/05 09:03
Nitrogen, Ammonia as N	2.12	mg/L	0.050	106	80	120	2.3	20	
Sample ID: MBLK-17	Method Blank								04/12/05 09:19
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05040339-006CMS	Matrix Spike								04/12/05 09:35
Nitrogen, Ammonia as N	2.03	mg/L	0.050	102	80	120			
Sample ID: C05040339-006CMSD	Matrix Spike Duplicate								04/12/05 09:37
Nitrogen, Ammonia as N	2.02	mg/L	0.050	101	80	120	0.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 04/29/05
Work Order: C05040333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R48758
Sample ID: C05040326-001AMS3	Matrix Spike								04/11/05 12:27
Chloride	101	mg/L	1.0	97.9	70	130			
Sulfate	152	mg/L	1.0	96.8	70	130			
Sample ID: C05040326-001AMSD1	Matrix Spike Duplicate								04/11/05 12:30
Calcium	72.5	mg/L	0.50	105	70	130	1.9	20	
Magnesium	52.6	mg/L	0.50	103	70	130	2.1	20	
Potassium	50.8	mg/L	0.50	99.2	70	130	2.0	20	
Sodium	93.8	mg/L	0.50	102	70	130	1.0	20	
Sample ID: C05040326-001AMSD3	Matrix Spike Duplicate								04/11/05 12:36
Chloride	103	mg/L	1.0	100	70	130	2.3	20	
Sulfate	152	mg/L	1.0	97	70	130	0.1	20	
Sample ID: C05040197-001CMS1	Matrix Spike								04/11/05 13:40
Calcium	534	mg/L	0.57	104	70	130			
Magnesium	517	mg/L	0.53	102	70	130			
Potassium	488	mg/L	0.52	97.1	70	130			
Sodium	1310	mg/L	0.62	97	70	130			
Sample ID: C05040197-001CMS3	Matrix Spike								04/11/05 13:46
Chloride	1060	mg/L	1.0	98.5	70	130			
Sulfate	2070	mg/L	8.0	87.7	70	130			
Sample ID: C05040197-001CMSD1	Matrix Spike Duplicate								04/11/05 13:49
Calcium	532	mg/L	0.57	104	70	130	0.4	20	
Magnesium	514	mg/L	0.53	102	70	130	0.6	20	
Potassium	486	mg/L	0.52	96.7	70	130	0.4	20	
Sodium	1320	mg/L	0.62	98.4	70	130	0.5	20	
Sample ID: C05040197-001CMSD3	Matrix Spike Duplicate								04/11/05 13:55
Chloride	1060	mg/L	1.0	97.9	70	130	0.6	20	
Sulfate	2060	mg/L	8.0	86.4	70	130	0.6	20	
Sample ID: C05040263-001AMS1	Matrix Spike								04/11/05 14:59
Calcium	629	mg/L	0.57	104	70	130			
Magnesium	515	mg/L	0.53	101	70	130			
Potassium	478	mg/L	0.52	94.3	70	130			
Sodium	583	mg/L	0.62	97.2	70	130			
Sample ID: C05040263-001AMS3	Matrix Spike								04/11/05 15:05
Chloride	997	mg/L	8.0	95.2	70	130			
Sulfate	1350	mg/L	8.0	97.7	70	130			

Qualifiers:

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ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 04/29/05

Work Order: C05040333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R48758
Sample ID: C05040263-001AMSD1	Matrix Spike Duplicate								04/11/05 15:08
Calcium	626	mg/L	0.57	103	70	130	0.5	20	
Magnesium	509	mg/L	0.53	99.9	70	130	1.2	20	
Potassium	470	mg/L	0.52	92.6	70	130	1.8	20	
Sodium	574	mg/L	0.62	95.4	70	130	1.6	20	
Sample ID: C05040263-001AMSD3	Matrix Spike Duplicate								04/11/05 15:15
Chloride	984	mg/L	8.0	93.9	70	130	1.3	20	
Sulfate	1320	mg/L	8.0	94.6	70	130	2.3	20	
Method: E200.7									Batch: R48869
Sample ID: C05040333-011AMS1	Matrix Spike								04/13/05 13:47
Calcium	1020	mg/L	0.57	93.4	70	130			
Potassium	477	mg/L	0.52	93	70	130			
Sodium	854	mg/L	0.62	93.7	70	130			
Sample ID: C05040333-011AMSD1	Matrix Spike Duplicate								04/13/05 13:56
Calcium	1020	mg/L	0.57	94.4	70	130	0.5	20	
Magnesium	1410	mg/L	0.53	80.2	70	130	0.6	20	
Potassium	483	mg/L	0.52	94.2	70	130	1.2	20	
Sodium	855	mg/L	0.62	93.9	70	130	0.1	20	
Sample ID: C05040335-001AMS1	Matrix Spike								04/13/05 15:15
Potassium	483	mg/L	0.52	93.9	70	130			
Sodium	900	mg/L	0.62	92.8	70	130			
Sample ID: C05040335-001AMSD1	Matrix Spike Duplicate								04/13/05 15:24
Potassium	494	mg/L	0.52	96.1	70	130	2.3	20	
Sodium	916	mg/L	0.62	96	70	130	1.8	20	

Qualifiers:

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ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 04/29/05

Work Order: C05040333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R49400		
Sample ID: C05040908-001BMS1	Matrix Spike								04/26/05 12:13
Calcium	78.5	mg/L	0.50	96.9	70	130			
Magnesium	57.0	mg/L	0.50	101	70	130			
Sample ID: C05040908-001BMSD1	Matrix Spike Duplicate								04/26/05 12:25
Calcium	80.1	mg/L	0.50	100	70	130	2.0	20	
Magnesium	55.5	mg/L	0.50	98.2	70	130	2.7	20	
Sample ID: MB-7771	Method Blank								04/26/05 14:08
Calcium	ND	mg/L	0.2						
Magnesium	ND	mg/L	0.2						
Sample ID: C05040834-010AMS1	Matrix Spike								04/26/05 14:20
Calcium	7650	mg/L	32	76	70	130			
Magnesium	9230	mg/L	38	92.3	70	130			
Sample ID: C05040834-010AMSD1	Matrix Spike Duplicate								04/26/05 14:30
Calcium	8630	mg/L	32	85.7	70	130	12	20	
Magnesium	9110	mg/L	38	91.1	70	130	1.4	20	

Qualifiers:

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ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 04/29/05

Work Order: C05040333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R48755		
Sample ID: LRB	Method Blank						04/11/05 10:56		
Aluminum	ND	mg/L	0.0002						
Beryllium	ND	mg/L	0.00003						
Cadmium	ND	mg/L	0.0002						
Cobalt	ND	mg/L	0.00003						
Lead	0.00002	mg/L	0.00002						
Manganese	ND	mg/L	0.00003						
Molybdenum	0.0005	mg/L	0.00007						
Nickel	ND	mg/L	0.00008						
Uranium	ND	mg/L	0.00004						
Vanadium	ND	mg/L	0.00009						
Sample ID: C05040249-005CMS4	Post Digestion Spike						04/11/05 11:27		
Aluminum	2.45	mg/L	0.10	89.3	70	130			
Cadmium	2.40	mg/L	0.010	96	70	130			
Cobalt	2.51	mg/L	0.010	100	70	130			
Lead	2.68	mg/L	0.050	105	70	130			
Manganese	2.55	mg/L	0.010	102	70	130			
Molybdenum	227	mg/L	0.10		70	130			A
Nickel	2.35	mg/L	0.050	92.9	70	130			
Uranium	134	mg/L	0.0018		70	130			A
Vanadium	3.01	mg/L	0.10	106	70	130			
Sample ID: C05040249-005CMSD4	Post Digestion Spike Dup						04/11/05 11:35		
Aluminum	2.70	mg/L	0.10	99.2	70	130	9.7	20	
Cadmium	2.51	mg/L	0.010	100	70	130	4.4	20	
Cobalt	2.62	mg/L	0.010	105	70	130	4.0	20	
Lead	2.74	mg/L	0.050	107	70	130	2.4	20	
Manganese	2.66	mg/L	0.010	106	70	130	4.4	20	
Molybdenum	230	mg/L	0.10		70	130	1.4	20	A
Nickel	2.40	mg/L	0.050	94.9	70	130	2.1	20	
Uranium	137	mg/L	0.0018		70	130	2.6	20	A
Vanadium	3.08	mg/L	0.10	109	70	130	2.3	20	
Sample ID: C05040295-001CMS4	Post Digestion Spike						04/11/05 12:00		
Aluminum	0.049	mg/L	0.10	89.6	70	130			
Beryllium	0.041	mg/L	0.0010	81.7	70	130			
Cadmium	0.049	mg/L	0.0010	98	70	130			
Cobalt	0.049	mg/L	0.010	98.2	70	130			
Lead	0.051	mg/L	0.0010	101	70	130			
Manganese	0.060	mg/L	0.010	100	70	130			
Molybdenum	0.052	mg/L	0.10	99.4	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 04/29/05

Work Order: C05040333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R48755		
Sample ID: C05040295-001CMS4 Post Digestion Spike							04/11/05 12:00		
Nickel	0.048	mg/L	0.050	95.1	70	130			
Uranium	0.051	mg/L	0.00030	102	70	130			
Vanadium	0.051	mg/L	0.10	100	70	130			
Sample ID: C05040295-001CMSD4 Post Digestion Spike Dup							04/11/05 12:38		
Aluminum	0.050	mg/L	0.10	91.4	70	130	0	20	
Beryllium	0.041	mg/L	0.0010	82.1	70	130	0.5	20	
Cadmium	0.049	mg/L	0.0010	97.9	70	130	0	20	
Cobalt	0.048	mg/L	0.010	96.6	70	130	1.6	20	
Lead	0.051	mg/L	0.0010	101	70	130	0.8	20	
Manganese	0.059	mg/L	0.010	98.5	70	130	1.3	20	
Molybdenum	0.053	mg/L	0.10	101	70	130	0	20	
Nickel	0.047	mg/L	0.050	93.7	70	130	0	20	
Uranium	0.051	mg/L	0.00030	101	70	130	0.5	20	
Vanadium	0.051	mg/L	0.10	100	70	130	0	20	
Sample ID: C05040302-001CMS4 Post Digestion Spike							04/11/05 13:01		
Aluminum	0.183	mg/L	0.10	82.4	70	130			
Cadmium	0.0419	mg/L	0.010	83.8	70	130			
Cobalt	0.0478	mg/L	0.010	95	70	130			
Lead	0.0524	mg/L	0.050	103	70	130			
Manganese	0.0506	mg/L	0.010	95.1	70	130			
Molybdenum	0.0527	mg/L	0.10	99.3	70	130			
Nickel	0.0448	mg/L	0.050	86.2	70	130			
Uranium	0.0548	mg/L	0.00030	109	70	130			
Vanadium	0.0510	mg/L	0.10	97.5	70	130			
Sample ID: C05040302-001CMSD4 Post Digestion Spike Dup							04/11/05 13:09		
Aluminum	0.185	mg/L	0.10	86.4	70	130	1.1	20	
Cadmium	0.0418	mg/L	0.010	83.6	70	130	0.3	20	
Cobalt	0.0484	mg/L	0.010	96.2	70	130	1.3	20	
Lead	0.0525	mg/L	0.050	103	70	130	0.2	20	
Manganese	0.0517	mg/L	0.010	97.2	70	130	2.1	20	
Molybdenum	0.0528	mg/L	0.10	99.4	70	130	0	20	
Nickel	0.0456	mg/L	0.050	87.9	70	130	0	20	
Uranium	0.0551	mg/L	0.00030	109	70	130	0.4	20	
Vanadium	0.0521	mg/L	0.10	99.6	70	130	0	20	
Sample ID: C05040307-010CMS4 Post Digestion Spike							04/11/05 16:03		
Aluminum	0.516	mg/L	0.10	102	70	130			
Beryllium	0.485	mg/L	0.010	96.9	70	130			

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 04/29/05

Work Order: C05040333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R48755		
Sample ID: C05040307-010CMS4 Post Digestion Spike							04/11/05 16:03		
Cadmium	0.517	mg/L	0.010	103	70	130			
Cobalt	0.518	mg/L	0.010	101	70	130			
Lead	0.516	mg/L	0.050	103	70	130			
Manganese	0.525	mg/L	0.010	104	70	130			
Molybdenum	0.514	mg/L	0.10	103	70	130			
Nickel	0.503	mg/L	0.050	99.6	70	130			
Uranium	0.522	mg/L	0.00035	104	70	130			
Vanadium	0.513	mg/L	0.10	102	70	130			
Sample ID: C05040307-010CMSD4 Post Digestion Spike Dup							04/11/05 16:10		
Aluminum	0.516	mg/L	0.10	102	70	130	0	20	
Beryllium	0.497	mg/L	0.010	99.4	70	130	2.5	20	
Cadmium	0.522	mg/L	0.010	104	70	130	1.0	20	
Cobalt	0.526	mg/L	0.010	103	70	130	1.5	20	
Lead	0.522	mg/L	0.050	104	70	130	1.3	20	
Manganese	0.529	mg/L	0.010	105	70	130	0.6	20	
Molybdenum	0.529	mg/L	0.10	106	70	130	3.0	20	
Nickel	0.514	mg/L	0.050	102	70	130	2.2	20	
Uranium	0.532	mg/L	0.00035	106	70	130	1.7	20	
Vanadium	0.518	mg/L	0.10	103	70	130	1.0	20	
Sample ID: C05040326-003AMS4 Post Digestion Spike							04/11/05 19:48		
Aluminum	0.0505	mg/L	0.10	92.7	70	130			
Beryllium	0.0431	mg/L	0.010	86.1	70	130			
Cadmium	0.0457	mg/L	0.010	90.3	70	130			
Cobalt	0.0446	mg/L	0.010	87.6	70	130			
Lead	0.0496	mg/L	0.050	99.1	70	130			
Manganese	1.17	mg/L	0.010		70	130			A
Molybdenum	0.0497	mg/L	0.10	98	70	130			
Nickel	0.0542	mg/L	0.050	105	70	130			
Uranium	0.0545	mg/L	0.00030	106	70	130			
Vanadium	0.0499	mg/L	0.10	92.4	70	130			
Sample ID: C05040326-003AMSD4 Post Digestion Spike Dup							04/11/05 19:55		
Aluminum	0.0504	mg/L	0.10	92.4	70	130	0	20	
Beryllium	0.0478	mg/L	0.010	95.4	70	130	10	20	
Cadmium	0.0437	mg/L	0.010	86.4	70	130	4.5	20	
Cobalt	0.0450	mg/L	0.010	88.4	70	130	0.8	20	
Lead	0.0491	mg/L	0.050	98.1	70	130	0	20	
Manganese	1.16	mg/L	0.010		70	130	0.9	20	A
Molybdenum	0.0468	mg/L	0.10	92.3	70	130	0	20	

Qualifiers:

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ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 04/29/05
Work Order: C05040333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R48755		
Sample ID: C05040326-003AMSD4 Post Digestion Spike Dup							04/11/05 19:55		
Nickel	0.0563	mg/L	0.050	109	70	130	3.9	20	
Uranium	0.0530	mg/L	0.00030	103	70	130	2.8	20	
Vanadium	0.0484	mg/L	0.10	89.3	70	130	0	20	
Sample ID: C05040333-001AMS4 Post Digestion Spike							04/11/05 20:24		
Aluminum	0.252	mg/L	0.10	93.4	70	130			
Beryllium	0.246	mg/L	0.010	98.5	70	130			
Cadmium	0.237	mg/L	0.010	94.8	70	130			
Cobalt	0.242	mg/L	0.010	94.7	70	130			
Lead	0.254	mg/L	0.050	100	70	130			
Manganese	3.26	mg/L	0.010		70	130			A
Molybdenum	0.249	mg/L	0.10	98.1	70	130			
Nickel	0.261	mg/L	0.050	98.2	70	130			
Uranium	0.479	mg/L	0.00030	105	70	130			
Vanadium	0.258	mg/L	0.10	99.5	70	130			
Sample ID: C05040333-001AMSD4 Post Digestion Spike Dup							04/11/05 20:32		
Aluminum	0.247	mg/L	0.10	91.3	70	130	2.0	20	
Beryllium	0.243	mg/L	0.010	97.2	70	130	1.3	20	
Cadmium	0.242	mg/L	0.010	96.8	70	130	2.1	20	
Cobalt	0.245	mg/L	0.010	95.8	70	130	1.1	20	
Lead	0.257	mg/L	0.050	101	70	130	1.2	20	
Manganese	3.31	mg/L	0.010		70	130	1.3	20	A
Molybdenum	0.254	mg/L	0.10	100	70	130	1.9	20	
Nickel	0.268	mg/L	0.050	101	70	130	2.7	20	
Uranium	0.484	mg/L	0.00030	108	70	130	1.1	20	
Vanadium	0.260	mg/L	0.10	100	70	130	0.7	20	
Sample ID: C05040333-011AMS4 Post Digestion Spike							04/11/05 23:12		
Aluminum	0.0661	mg/L	0.10	88.6	70	130			
Beryllium	0.0426	mg/L	0.010	85	70	130			
Cadmium	0.0429	mg/L	0.010	84.7	70	130			
Cobalt	0.0565	mg/L	0.010	83.7	70	130			
Lead	0.0504	mg/L	0.050	100	70	130			
Manganese	2.26	mg/L	0.010		70	130			A
Molybdenum	0.0522	mg/L	0.10	99.4	70	130			
Nickel	0.106	mg/L	0.050	80.4	70	130			
Uranium	0.0880	mg/L	0.00030	110	70	130			
Vanadium	0.0488	mg/L	0.10	93.8	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 04/29/05
Work Order: C05040333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R48755
Sample ID: C05040333-011AMSD4	Post Digestion Spike Dup								04/11/05 23:19
Aluminum	0.0667	mg/L	0.10	89.7	70	130	0	20	
Beryllium	0.0468	mg/L	0.010	93.4	70	130	9.4	20	
Cadmium	0.0428	mg/L	0.010	84.3	70	130	0.4	20	
Cobalt	0.0570	mg/L	0.010	84.8	70	130	0.9	20	
Lead	0.0508	mg/L	0.050	101	70	130	0.9	20	
Manganese	2.27	mg/L	0.010		70	130	0.3	20	A
Molybdenum	0.0523	mg/L	0.10	99.7	70	130	0	20	
Nickel	0.108	mg/L	0.050	84.6	70	130	2.0	20	
Uranium	0.0888	mg/L	0.00030	111	70	130	0.9	20	
Vanadium	0.0483	mg/L	0.10	92.8	70	130	0	20	

Method: E200.8									Batch: R48806
Sample ID: LRB	Method Blank								04/12/05 11:02
Beryllium	ND	mg/L	0.00003						
Sample ID: C05040367-001AMS4	Post Digestion Spike								04/12/05 12:56
Beryllium	0.479	mg/L	0.010	95.7	70	130			
Sample ID: C05040367-001AMSD4	Post Digestion Spike Dup								04/12/05 13:04
Beryllium	0.515	mg/L	0.010	103	70	130	7.4	20	
Sample ID: C05040333-014AMS4	Post Digestion Spike								04/12/05 15:21
Beryllium	0.219	mg/L	0.010	87.8	70	130			
Sample ID: C05040333-014AMSD4	Post Digestion Spike Dup								04/12/05 15:29
Beryllium	0.219	mg/L	0.010	87.7	70	130	0	20	
Sample ID: C05040354-001CMS4	Post Digestion Spike								04/12/05 19:14
Beryllium	0.494	mg/L	0.010	98.9	70	130			
Sample ID: C05040354-001CMSD4	Post Digestion Spike Dup								04/12/05 19:22
Beryllium	0.495	mg/L	0.010	99.1	70	130	0.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 04/29/05
Work Order: C05040333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2		Batch: A2005-04-11_1_NO3_01							
Sample ID: MBLK-1	Method Blank								04/11/05 10:11
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05040326-002EMS	Matrix Spike								04/11/05 10:28
Nitrogen, Nitrate+Nitrite as N	1.89	mg/L	0.10	94.5	90	110			
Sample ID: C05040326-002EMSD	Matrix Spike Duplicate								04/11/05 10:31
Nitrogen, Nitrate+Nitrite as N	1.91	mg/L	0.10	95.5	90	110	1.1	10	
Sample ID: MBLK-17	Method Blank								04/11/05 10:51
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05040307-005BMS	Matrix Spike								04/11/05 11:06
Nitrogen, Nitrate+Nitrite as N	3.18	mg/L	0.10	95	90	110			
Sample ID: C05040307-005BMDS	Matrix Spike Duplicate								04/11/05 11:08
Nitrogen, Nitrate+Nitrite as N	3.16	mg/L	0.10	94	90	110	0.6	10	
Sample ID: MBLK-32	Method Blank								04/11/05 11:28
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05040307-015BMS	Matrix Spike								04/11/05 11:46
Nitrogen, Nitrate+Nitrite as N	2.13	mg/L	0.10	94.5	90	110			
Sample ID: C05040307-015BMDS	Matrix Spike Duplicate								04/11/05 11:48
Nitrogen, Nitrate+Nitrite as N	2.17	mg/L	0.10	96.5	90	110	1.9	10	
Sample ID: MBLK-48	Method Blank								04/11/05 12:11
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05040333-006DMS	Matrix Spike								04/11/05 12:26
Nitrogen, Nitrate+Nitrite as N	2.36	mg/L	0.10	102	90	110			
Sample ID: C05040333-006DMDS	Matrix Spike Duplicate								04/11/05 12:28
Nitrogen, Nitrate+Nitrite as N	2.30	mg/L	0.10	98.5	90	110	2.6	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 04/29/05

Work Order: C05040333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2		Batch: A2005-04-13_1_NO3_01							
Sample ID: MBLK-1	Method Blank								04/13/05 10:19
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: MBLK-17	Method Blank								04/13/05 11:02
Nitrogen, Nitrate+Nitrite as N	0.04	mg/L	0.03						
Sample ID: C05040417-001BMS	Matrix Spike								04/13/05 11:22
Nitrogen, Nitrate+Nitrite as N	2.28	mg/L	0.10	92.5	90	110			
Sample ID: C05040417-001BMSD	Matrix Spike Duplicate								04/13/05 11:24
Nitrogen, Nitrate+Nitrite as N	2.33	mg/L	0.10	95	90	110	2.2	10	
Sample ID: MBLK-32	Method Blank								04/13/05 11:44
Nitrogen, Nitrate+Nitrite as N	0.07	mg/L	0.03						
Sample ID: C05040424-004CMS	Matrix Spike								04/13/05 12:02
Nitrogen, Nitrate+Nitrite as N	1.92	mg/L	0.10	93.5	90	110			
Sample ID: C05040424-004CMSD	Matrix Spike Duplicate								04/13/05 12:04
Nitrogen, Nitrate+Nitrite as N	1.96	mg/L	0.10	95.5	90	110	2.1	10	
Sample ID: MBLK-48	Method Blank								04/13/05 12:24
Nitrogen, Nitrate+Nitrite as N	0.04	mg/L	0.03						
Sample ID: C05040452-004EMS	Matrix Spike								04/13/05 12:39
Nitrogen, Nitrate+Nitrite as N	1.92	mg/L	0.10	94.5	90	110			
Sample ID: C05040452-004EMSD	Matrix Spike Duplicate								04/13/05 12:42
Nitrogen, Nitrate+Nitrite as N	1.92	mg/L	0.10	94.5	90	110	0	10	
Sample ID: MBLK-63	Method Blank								04/13/05 13:02
Nitrogen, Nitrate+Nitrite as N	0.04	mg/L	0.03						
Sample ID: C05040481-002AMS	Matrix Spike								04/13/05 13:17
Nitrogen, Nitrate+Nitrite as N	3.01	mg/L	0.10	106	90	110			
Sample ID: C05040481-002AMSD	Matrix Spike Duplicate								04/13/05 13:19
Nitrogen, Nitrate+Nitrite as N	3.05	mg/L	0.10	108	90	110	1.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 04/29/05

Work Order: C05040333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R48795
Sample ID: 11-Apr-05_LCS_3	Laboratory Control Spike								04/11/05 09:06
Chloroform	4.44	ug/L	1.0	88.8	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	102	80	120			
Surr: Dibromofluoromethane			1.0	96.8	70	130			
Surr: p-Bromofluorobenzene			1.0	101	75	125			
Surr: Toluene-d8			1.0	98.4	80	120			
Sample ID: 11-Apr-05_MBLK_6	Method Blank								04/11/05 11:02
Chloroform	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			0.5	103	80	120			
Surr: Dibromofluoromethane			0.5	100	70	130			
Surr: p-Bromofluorobenzene			0.5	103	75	125			
Surr: Toluene-d8			0.5	98	80	120			
Sample ID: C05040334-001EMS	Matrix Spike								04/11/05 18:46
Chloroform	204	ug/L	2.5	126	70	130			
Surr: 1,2-Dichlorobenzene-d4			2.5	106	80	120			
Surr: Dibromofluoromethane			2.5	108	70	130			
Surr: p-Bromofluorobenzene			2.5	107	75	125			
Surr: Toluene-d8			2.5	96	80	120			
Sample ID: C05040334-001EMSD	Matrix Spike Duplicate								04/11/05 19:23
Chloroform	191	ug/L	2.5	100	70	130	6.6	20	
Surr: 1,2-Dichlorobenzene-d4			2.5	104	80	120	0	10	
Surr: Dibromofluoromethane			2.5	102	70	130	0	10	
Surr: p-Bromofluorobenzene			2.5	107	75	125	0	10	
Surr: Toluene-d8			2.5	98	80	120	0	10	
Sample ID: C05040335-002EMS	Matrix Spike								04/12/05 03:38
Chloroform	222	ug/L	2.5	130	70	130			
Surr: 1,2-Dichlorobenzene-d4			2.5	106	80	120			
Surr: Dibromofluoromethane			2.5	108	70	130			
Surr: p-Bromofluorobenzene			2.5	107	75	125			
Surr: Toluene-d8			2.5	95.6	80	120			
Sample ID: C05040335-002EMSD	Matrix Spike Duplicate								04/12/05 04:17
Chloroform	220	ug/L	2.5	126	70	130	0.9	20	
Surr: 1,2-Dichlorobenzene-d4			2.5	102	80	120	0	10	
Surr: Dibromofluoromethane			2.5	107	70	130	0	10	
Surr: p-Bromofluorobenzene			2.5	108	75	125	0	10	
Surr: Toluene-d8			2.5	94	80	120	0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 04/29/05
Work Order: C05040333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1									Batch: R49052
Sample ID: C05040345-001IMS	Matrix Spike								04/13/05 16:50
Gross Alpha minus Rn & U	28.8	pCi/L	1.0	76.4	70	130			
Sample ID: C05040345-002IDUP	Sample Duplicate								04/13/05 16:50
Gross Alpha minus Rn & U	ND	pCi/L	1.0				0	30	
Sample ID: MB-R49052	Method Blank								04/13/05 16:50
Gross Alpha minus Rn & U	ND	pCi/L	1						
Sample ID: LCS-R49052	Laboratory Control Spike								04/13/05 16:50
Gross Alpha minus Rn & U	31.0	pCi/L	1.0	82.2	70	130			
Method: E903.0									Batch: RA226-0989
Sample ID: C05040333-001AMS	Matrix Spike								04/18/05 14:30
Radium 226	37	pCi/L	0.20	93.9	70	130			
Sample ID: C05040333-001AMSD	Matrix Spike Duplicate								04/18/05 14:30
Radium 226	39	pCi/L	0.20	101	70	130	6.8	24.9	
Sample ID: MB-RA226-0989	Method Blank								04/18/05 14:30
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-0989	Laboratory Control Spike								04/18/05 14:30
Radium 226	13	pCi/L	0.20	86.4	70	130			
Method: E904.0									Batch: RA228-0852
Sample ID: LCS-228-RA226-0989	Laboratory Control Spike								04/18/05 14:30
Radium 228	9.1	pCi/L	1.0	91.3	70	130			
Sample ID: MB-RA226-0989	Method Blank								04/18/05 14:30
Radium 228	ND	pCi/L	1						
Sample ID: C05040333-008AMS	Matrix Spike								04/18/05 14:30
Radium 228	23	pCi/L	1.0	94.2	70	130			
Sample ID: C05040333-008AMSD	Matrix Spike Duplicate								04/18/05 14:30
Radium 228	24	pCi/L	1.0	96.5	70	130	2.4	39.9	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Report Date: 04/29/05

Project: Alluvium

Work Order: C05040333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: R49279
Sample ID: MB-R49279	Method Blank								04/20/05 10:30
Thorium 230	ND	pCi/L	0.2						
Sample ID: LCS-R49279	Laboratory Control Spike								04/20/05 10:30
Thorium 230	21.9	pCi/L	0.20	87.6	70	130			
Sample ID: C05040333-016AMS	Matrix Spike								04/20/05 10:30
Thorium 230	115	pCi/L	0.20	92.2	70	130			
Sample ID: C05040333-016AMSD	Matrix Spike Duplicate								04/20/05 10:30
Thorium 230	105	pCi/L	0.20	84.2	70	130	9.1	30	
Method: NERHL-65-4									Batch: 05PB-13
Sample ID: C05040333-017A	Matrix Spike								04/12/05 09:17
Lead 210	200	pCi/L	1.0	90.2	70	130			
Sample ID: C05040333-017A	Matrix Spike Duplicate								04/12/05 09:17
Lead 210	190	pCi/L	1.0	86.3	70	130	4.4	30	
Sample ID: MB	Method Blank								04/12/05 09:17
Lead 210	ND	pCi/L	1						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



ANALYTICAL SUMMARY REPORT

January 27, 2005

Max Chischilly
United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C05010244

Quote ID: C129 - Quarterly Long List

Project Name: Zone 1

Energy Laboratories Inc. received the following 4 samples from United Nuclear Corp on 1/7/2005 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C05010244-001	614	01/05/05 9:30	01/07/05	Aqueous	Metals by ICP/ICPMS, Total Alkalinity QA Calculations Arsenic-III, Total Selenium-IV, Total Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved E624 Purgeable Organics
C05010244-002	515-A	01/05/05 10:10	01/07/05	Aqueous	Same As Above
C05010244-003	604	01/05/05 10:50	01/07/05	Aqueous	Same As Above
C05010244-004	Field Blank	01/05/05 11:55	01/07/05	Aqueous	Same As Above

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative or Report.

If you have any questions regarding these tests results, please call.

Report Approved By:


JAMES YOCUM
QUALITY ASSURANCE DIRECTOR



QA/QC Summary Report

Client: United Nuclear Corp

Report Date: 01/27/05

Project: Zone 1

Work Order: C05010244

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B							Batch: 050112_1_ALK-W		
Sample ID: MBLK1_050112_1	Method Blank		01/12/05 08:13						
Bicarbonate as HCO3	ND	mg/L	1						

Qualifiers:

- Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 01/27/05

Work Order: C05010244

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C			Batch: 050110A-SLDS-TDS-W						
Sample ID: LCS1_050110A	Laboratory Control Spike								01/10/05 16:26
Solids, Total Dissolved TDS @ 180 C	1010	mg/L	10	101	90	110			
Sample ID: MBLK1_050110A	Method Blank								01/10/05 16:26
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05010240-004BMS	Matrix Spike								01/10/05 16:29
Solids, Total Dissolved TDS @ 180 C	27100	mg/L	10	101	90	110			
Sample ID: C05010240-004BMSD	Matrix Spike Duplicate								01/10/05 16:29
Solids, Total Dissolved TDS @ 180 C	27300	mg/L	10	102	90	110	0.7	10	
Sample ID: C05010240-014BMS	Matrix Spike								01/10/05 16:32
Solids, Total Dissolved TDS @ 180 C	24600	mg/L	10	102	90	110			
Sample ID: C05010240-014BMSD	Matrix Spike Duplicate								01/10/05 16:32
Solids, Total Dissolved TDS @ 180 C	24600	mg/L	10	102	90	110	0.2	10	
Sample ID: LCS2_050110A	Laboratory Control Spike								01/10/05 16:32
Solids, Total Dissolved TDS @ 180 C	1010	mg/L	10	101	90	110			
Sample ID: MBLK2_050110A	Method Blank								01/10/05 16:32
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05010247-003DMS	Matrix Spike								01/10/05 16:35
Solids, Total Dissolved TDS @ 180 C	20800	mg/L	10	102	90	110			
Sample ID: C05010247-003DMSD	Matrix Spike Duplicate								01/10/05 16:35
Solids, Total Dissolved TDS @ 180 C	20800	mg/L	10	102	90	110	0	10	
Sample ID: C05010269-003AMS	Matrix Spike								01/10/05 16:38
Solids, Total Dissolved TDS @ 180 C	24700	mg/L	10	102	90	110			
Sample ID: C05010269-003AMSD	Matrix Spike Duplicate								01/10/05 16:39
Solids, Total Dissolved TDS @ 180 C	24200	mg/L	10	99.9	90	110	2.0	10	
Sample ID: LCS3_050110A	Laboratory Control Spike								01/10/05 16:39
Solids, Total Dissolved TDS @ 180 C	1010	mg/L	10	101	90	110			
Sample ID: MBLK3_050110A	Method Blank								01/10/05 16:39
Solids, Total Dissolved TDS @ 180 C	7	mg/L	6						
Sample ID: C05010290-001AMS	Matrix Spike								01/10/05 16:41
Solids, Total Dissolved TDS @ 180 C	22500	mg/L	10	102	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 01/27/05

Work Order: C05010244

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C			Batch: 050110A-SLDS-TDS-W						
Sample ID: C05010290-001AMSD	Matrix Spike Duplicate								01/10/05 16:42
Solids, Total Dissolved TDS @ 180 C	22400	mg/L	10	102	90	110	0.4	10	
Sample ID: LCS4_050110A	Laboratory Control Spike								01/10/05 16:42
Solids, Total Dissolved TDS @ 180 C	1020	mg/L	10	102	90	110			
Method: A3114 B			Batch: ASIII3114-050111						
Sample ID: C05010240-001A MS	Matrix Spike								01/11/05 16:22
Arsenic-III	0.0476	mg/L	0.0010	95.2	85	115			
Sample ID: C05010240-001A MSD	Matrix Spike Duplicate								01/11/05 16:24
Arsenic-III	0.0452	mg/L	0.0010	90.4	85	115	5.2	10	
Sample ID: C05010244-001A MS	Matrix Spike								01/11/05 16:49
Arsenic-III	0.0448	mg/L	0.0010	89.6	85	115			
Sample ID: C05010244-001A MSD	Matrix Spike Duplicate								01/11/05 16:50
Arsenic-III	0.0451	mg/L	0.0010	90.1	85	115	0.6	10	

Qualifiers:

ND - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 01/27/05
Work Order: C05010244

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: SEIV-3114-050113		
Sample ID: MBLK Selenium-IV	Method Blank ND	mg/L	0.0003						01/13/05 09:43
Sample ID: C05010240-001A MS Selenium-IV	Matrix Spike 0.0492	mg/L	0.0010	98.5	85	115			01/13/05 10:02
Sample ID: C05010240-001A MSD Selenium-IV	Matrix Spike Duplicate 0.0489	mg/L	0.0010	97.8	85	115	0.7		01/13/05 10:04 10
Sample ID: C265-15-1 Selenium-IV	Laboratory Control Spike 0.0494	mg/L	0.0010	98.7	90	110			01/13/05 10:06
Sample ID: MBLK Selenium-IV	Method Blank ND	mg/L	0.0003						01/13/05 10:11
Sample ID: C05010244-001A MS Selenium-IV	Matrix Spike 0.0533	mg/L	0.0010	99	85	115			01/13/05 10:29
Sample ID: C05010244-001A MSD Selenium-IV	Matrix Spike Duplicate 0.0536	mg/L	0.0010	99.7	85	115	0.7		01/13/05 10:31 10
Sample ID: C265-15-1 Selenium-IV	Laboratory Control Spike 0.0504	mg/L	0.0010	101	90	110			01/13/05 10:32
Sample ID: MBLK Selenium-IV	Method Blank ND	mg/L	0.0003						01/13/05 10:36
Method: A4500-H B							Batch: PHSC050110A		
Sample ID: C05010240-003BDUP pH	Sample Duplicate 6.95	s.u.	0.010				0.3		01/10/05 15:13 10
Sample ID: C05010240-013BDUP pH	Sample Duplicate 7.05	s.u.	0.010				0		01/10/05 15:24 10
Sample ID: C05010247-002DDUP pH	Sample Duplicate 8.11	s.u.	0.010				0.1		01/10/05 15:38 10
Sample ID: C05010269-002ADUP pH	Sample Duplicate 7.92	s.u.	0.010				0		01/10/05 16:01 10
Sample ID: C05010269-008ADUP pH	Sample Duplicate 7.71	s.u.	0.010				0		01/10/05 16:07 10

Qualifiers:

- Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 01/27/05
Work Order: C05010244

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G			Batch: A2005-01-11_1_NH3_02						
Sample ID: MBLK-1	Method Blank								01/11/05 10:24
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05010240-002DMS	Matrix Spike								01/11/05 10:39
Nitrogen, Ammonia as N	3.41	mg/L	0.050	104	80	120			
Sample ID: C05010240-002DMSD	Matrix Spike Duplicate								01/11/05 10:40
Nitrogen, Ammonia as N	3.53	mg/L	0.050	110	80	120	3.5	20	
Sample ID: MBLK-17	Method Blank								01/11/05 10:56
Nitrogen, Ammonia as N	0.04	mg/L	0.02						
Sample ID: C05010240-011DMS	Matrix Spike								01/11/05 11:08
Nitrogen, Ammonia as N	1.91	mg/L	0.050	93	80	120			
Sample ID: C05010240-011DMSD	Matrix Spike Duplicate								01/11/05 11:10
Nitrogen, Ammonia as N	1.96	mg/L	0.050	95.5	80	120	2.6	20	
Sample ID: MBLK-32	Method Blank								01/11/05 11:26
Nitrogen, Ammonia as N	0.06	mg/L	0.02						
Sample ID: C05010109-003BMS	Matrix Spike								01/11/05 11:40
Nitrogen, Ammonia as N	1.96	mg/L	0.050	93.5	80	120			
Sample ID: C05010109-003BMSD	Matrix Spike Duplicate								01/11/05 11:43
Nitrogen, Ammonia as N	1.85	mg/L	0.050	88	80	120	5.8	20	
Sample ID: MBLK-48	Method Blank								01/11/05 12:00
Nitrogen, Ammonia as N	0.05	mg/L	0.02						
Sample ID: C05010307-006CMS	Matrix Spike								01/11/05 12:22
Nitrogen, Ammonia as N	13.2	mg/L	0.10	94.9	80	120			
Sample ID: C05010307-006CMSD	Matrix Spike Duplicate								01/11/05 12:42
Nitrogen, Ammonia as N	12.8	mg/L	0.10	86.8	80	120	3.1	20	

Qualifiers:

- Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 01/27/05

Work Order: C05010244

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R45711		
Sample ID: C05010244-004AMS1 Matrix Spike							01/21/05 14:38		
Calcium	51.5	mg/L	0.50	102	70	130			
Magnesium	51.7	mg/L	0.50	103	70	130			
Potassium	48.2	mg/L	0.50	96.3	70	130			
Sodium	51.8	mg/L	0.50	99.3	70	130			
Sample ID: C05010244-004AMS2 Matrix Spike							01/21/05 14:41		
Aluminum	1.00	mg/L	0.10	97.6	70	130			
Beryllium	0.948	mg/L	0.010	94.8	70	130			
Lead	0.983	mg/L	0.050	98.3	70	130			
Manganese	0.960	mg/L	0.010	96	70	130			
Molybdenum	0.933	mg/L	0.10	93.3	70	130			
Vanadium	0.954	mg/L	0.10	95.4	70	130			
Sample ID: C05010244-004AMS3 Matrix Spike							01/21/05 14:52		
Chloride	97.1	mg/L	1.0	97.7	70	130			
Sulfate	98.6	mg/L	1.0	97.2	70	130			
Sample ID: C05010244-004AMSD1 Matrix Spike Duplicate							01/21/05 14:56		
Calcium	52.7	mg/L	0.50	105	70	130	2.3	20	
Magnesium	52.2	mg/L	0.50	104	70	130	1.0	20	
Potassium	48.6	mg/L	0.50	97.2	70	130	0.8	20	
Sodium	52.1	mg/L	0.50	99.9	70	130	0.6	20	
Sample ID: C05010244-004AMSD2 Matrix Spike Duplicate							01/21/05 14:59		
Aluminum	1.09	mg/L	0.10	107	70	130	8.9	20	
Lead	1.03	mg/L	0.050	103	70	130	4.7	20	
Manganese	1.06	mg/L	0.010	106	70	130	9.4	20	
Molybdenum	0.966	mg/L	0.10	96.6	70	130	3.5	20	
Vanadium	1.06	mg/L	0.10	106	70	130	10	20	
Sample ID: C05010244-004AMSD3 Matrix Spike Duplicate							01/21/05 15:02		
Chloride	98.8	mg/L	1.0	99.4	70	130	1.7	20	
Sulfate	101	mg/L	1.0	100	70	130	2.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 01/27/05
Work Order: C05010244

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R45760		
Sample ID: LRB	Method Blank							01/24/05 10:53	
Cadmium	0.001	mg/L	0.0002						
Cobalt	ND	mg/L	0.00003						
Lead	ND	mg/L	0.00002						
Nickel	0.0001	mg/L	0.00008						
Uranium	ND	mg/L	0.00004						
Sample ID: C04121078-001AMS4	Post Digestion Spike							01/24/05 11:21	
Cadmium	0.0446	mg/L	0.010	85.6	70	130			
Cobalt	0.0545	mg/L	0.010	108	70	130			
Lead	0.0512	mg/L	0.050	102	70	130			
Nickel	0.0491	mg/L	0.050	90.9	70	130			
Uranium	0.0787	mg/L	0.00030	99.7	70	130			
Sample ID: C04121078-001AMSD4	Post Digestion Spike Dup							01/24/05 11:29	
Cadmium	0.0476	mg/L	0.010	91.6	70	130	6.4	20	
Cobalt	0.0540	mg/L	0.010	107	70	130	0.9	20	
Lead	0.0506	mg/L	0.050	101	70	130	1.3	20	
Nickel	0.0502	mg/L	0.050	93	70	130	2.1	20	
Uranium	0.0774	mg/L	0.00030	97.1	70	130	1.7	20	
Sample ID: C05010247-001AMS4	Post Digestion Spike							01/24/05 14:27	
Cadmium	0.0484	mg/L	0.010	93.2	70	130			
Cobalt	0.0536	mg/L	0.010	107	70	130			
Lead	0.0507	mg/L	0.050	101	70	130			
Nickel	0.0486	mg/L	0.050	96.1	70	130			
Uranium	0.0562	mg/L	0.00030	91.8	70	130			
Sample ID: C05010247-001AMSD4	Post Digestion Spike Dup							01/24/05 14:34	
Cadmium	0.0515	mg/L	0.010	99.5	70	130	6.3	20	
Cobalt	0.0548	mg/L	0.010	110	70	130	2.2	20	
Lead	0.0512	mg/L	0.050	102	70	130	1.0	20	
Nickel	0.0500	mg/L	0.050	98.7	70	130	0	20	
Uranium	0.0580	mg/L	0.00030	95.3	70	130	3.0	20	
Sample ID: C05010240-001AMS4	Post Digestion Spike							01/24/05 16:21	
Cadmium	0.247	mg/L	0.010	97.7	70	130			
Cobalt	0.282	mg/L	0.010	110	70	130			
Lead	0.260	mg/L	0.050	104	70	130			
Nickel	0.265	mg/L	0.050	97.7	70	130			
Uranium	0.462	mg/L	0.00030	92.6	70	130			

Qualifiers:

- Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 01/27/05

Work Order: C05010244

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R45760		
Sample ID: C05010240-001AMSD4 Post Digestion Spike Dup							01/24/05 16:29		
Cadmium	0.239	mg/L	0.010	94.7	70	130	3.1	20	
Cobalt	0.276	mg/L	0.010	108	70	130	2.1	20	
Lead	0.261	mg/L	0.050	104	70	130	0.5	20	
Nickel	0.265	mg/L	0.050	97.8	70	130	0	20	
Uranium	0.463	mg/L	0.00030	92.8	70	130	0.1	20	
Sample ID: C05010240-011AMS4 Post Digestion Spike							01/24/05 20:46		
Cadmium	0.248	mg/L	0.010	98.4	70	130			
Cobalt	0.253	mg/L	0.010	101	70	130			
Lead	0.257	mg/L	0.050	103	70	130			
Nickel	0.253	mg/L	0.050	99	70	130			
Uranium	0.313	mg/L	0.00030	112	70	130			
Sample ID: C05010240-011AMSD4 Post Digestion Spike Dup							01/24/05 20:53		
Cadmium	0.237	mg/L	0.010	94.3	70	130	4.3	20	
Cobalt	0.246	mg/L	0.010	97.9	70	130	3.0	20	
Lead	0.258	mg/L	0.050	103	70	130	0.5	20	
Nickel	0.246	mg/L	0.050	96.3	70	130	2.8	20	
Uranium	0.297	mg/L	0.00030	106	70	130	5.2	20	
Sample ID: LRB Method Blank							01/25/05 00:21		
Cadmium	0.002	mg/L	0.0002						
Cobalt	ND	mg/L	0.00003						
Lead	ND	mg/L	0.00002						
Nickel	0.0002	mg/L	0.00008						
Uranium	ND	mg/L	0.00004						
Sample ID: C04101313-018AMS Matrix Spike							01/25/05 00:39		
Cadmium	0.0429	mg/L	0.0010	78.4	70	130			
Cobalt	0.0420	mg/L	0.0010	82.8	70	130			
Lead	0.0455	mg/L	0.0010	90.6	70	130			
Nickel	0.0501	mg/L	0.0010	82.5	70	130			
Uranium	0.203	mg/L	0.00030	82.8	70	130			
Sample ID: C04101313-018AMSD Matrix Spike Duplicate							01/25/05 00:43		
Cadmium	0.0475	mg/L	0.0010	87.7	70	130	10	20	
Cobalt	0.0431	mg/L	0.0010	85	70	130	2.7	20	
Lead	0.0477	mg/L	0.0010	95	70	130	4.8	20	
Nickel	0.0539	mg/L	0.0010	90.1	70	130	7.3	20	
Uranium	0.212	mg/L	0.00030	100	70	130	4.2	20	

Qualifiers:

ND - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 01/27/05

Work Order: C05010244

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R45760		
Sample ID: C04101313-029AMS Matrix Spike							01/25/05 02:18		
Cadmium	0.0457	mg/L	0.0010	91.5	70	130			
Cobalt	0.0434	mg/L	0.0010	86.8	70	130			
Lead	0.0465	mg/L	0.0010	93.1	70	130			
Nickel	0.0455	mg/L	0.0010	91	70	130			
Uranium	0.0509	mg/L	0.00030	102	70	130			
Sample ID: C04101313-029AMSD Matrix Spike Duplicate							01/25/05 02:23		
Cadmium	0.0421	mg/L	0.0010	84.2	70	130	8.3	20	
Cobalt	0.0442	mg/L	0.0010	88.5	70	130	1.9	20	
Lead	0.0453	mg/L	0.0010	90.6	70	130	2.7	20	
Nickel	0.0448	mg/L	0.0010	89.6	70	130	1.5	20	
Uranium	0.0525	mg/L	0.00030	105	70	130	3.0	20	
Sample ID: C04111072-015AMS Matrix Spike							01/25/05 04:38		
Cadmium	0.0481	mg/L	0.0010	93.7	70	130			
Cobalt	0.0449	mg/L	0.0010	89.6	70	130			
Lead	0.0516	mg/L	0.0010	103	70	130			
Nickel	0.0482	mg/L	0.0010	94.8	70	130			
Uranium	0.0541	mg/L	0.00030	105	70	130			
Sample ID: C04111072-015AMSD Matrix Spike Duplicate							01/25/05 04:43		
Cadmium	0.0485	mg/L	0.0010	94.4	70	130	0.7	20	
Cobalt	0.0441	mg/L	0.0010	88.1	70	130	1.7	20	
Lead	0.0511	mg/L	0.0010	102	70	130	1.1	20	
Nickel	0.0478	mg/L	0.0010	93.9	70	130	1.0	20	
Uranium	0.0543	mg/L	0.00030	105	70	130	0.4	20	
Sample ID: C04111072-058AMS Matrix Spike							01/25/05 05:59		
Cadmium	0.0432	mg/L	0.0010	80.4	70	130			
Lead	0.0497	mg/L	0.0010	98.7	70	130			
Nickel	0.0537	mg/L	0.0010	88.7	70	130			
Uranium	0.255	mg/L	0.00030	0	70	130			A
Sample ID: C04111072-058AMSD Matrix Spike Duplicate							01/25/05 06:04		
Cadmium	0.0432	mg/L	0.0010	80.4	70	130	0	20	
Lead	0.0480	mg/L	0.0010	95.3	70	130	3.5	20	
Nickel	0.0538	mg/L	0.0010	89.1	70	130	0.3	20	
Uranium	0.252	mg/L	0.00030	0	70	130	1.1	20	A

Qualifiers:

ND - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level.



QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 01/27/05
Work Order: C05010244

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2			Batch: A2005-01-10_1_NO3_01						
Sample ID: MBLK-1	Method Blank								01/10/05 10:22
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05010247-003EMS	Matrix Spike								01/10/05 10:40
Nitrogen, Nitrate+Nitrite as N	1.98	mg/L	0.10	99	90	110			
Sample ID: C05010247-003EMSD	Matrix Spike Duplicate								01/10/05 10:42
Nitrogen, Nitrate+Nitrite as N	2.07	mg/L	0.10	104	90	110	4.4	10	
Sample ID: MBLK-17	Method Blank								01/10/05 11:02
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05010235-005AMS	Matrix Spike								01/10/05 11:17
Nitrogen, Nitrate+Nitrite as N	2.02	mg/L	0.10	101	90	110			
Sample ID: C05010235-005AMSD	Matrix Spike Duplicate								01/10/05 11:20
Nitrogen, Nitrate+Nitrite as N	2.07	mg/L	0.10	104	90	110	2.4	10	
Sample ID: MBLK-32	Method Blank								01/10/05 11:40
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05010269-003CMS	Matrix Spike								01/10/05 12:00
Nitrogen, Nitrate+Nitrite as N	2.31	mg/L	0.10	106	90	110			
Sample ID: C05010269-003CMSD	Matrix Spike Duplicate								01/10/05 12:12
Nitrogen, Nitrate+Nitrite as N	2.19	mg/L	0.10	99.5	90	110	5.3	10	
Sample ID: MBLK-48	Method Blank								01/10/05 12:32
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05010240-002DMS	Matrix Spike								01/10/05 12:47
Nitrogen, Nitrate+Nitrite as N	3.25	mg/L	0.10	105	90	110			
Sample ID: C05010240-002DMSD	Matrix Spike Duplicate								01/10/05 12:50
Nitrogen, Nitrate+Nitrite as N	3.31	mg/L	0.10	108	90	110	1.8	10	

Qualifiers:

- Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 01/27/05

Work Order: C05010244

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							Batch: R45471		
Sample ID: 13-Jan-05_LCS_1	Laboratory Control Spike						01/13/05 13:47		
Chloroform	10.2	ug/L	1.0	102	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	104	80	120			
Surr: Dibromofluoromethane			1.0	98.4	70	130			
Surr: p-Bromofluorobenzene			1.0	118	75	125			
Surr: Toluene-d8			1.0	102	80	120			
Sample ID: 13-Jan-05_MBLK_4	Method Blank						01/13/05 16:16		
Chloroform	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			0.5	96.8	80	120			
Surr: Dibromofluoromethane			0.5	98	70	130			
Surr: p-Bromofluorobenzene			0.5	90	75	125			
Surr: Toluene-d8			0.5	95.2	80	120			
Sample ID: C05010244-001EMS	Matrix Spike						01/13/05 19:59		
Chloroform	130	ug/L	5.0	103	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	92	80	120			
Surr: Dibromofluoromethane			5.0	98.4	70	130			
Surr: p-Bromofluorobenzene			5.0	94.4	75	125			
Surr: Toluene-d8			5.0	97.6	80	120			
Sample ID: C05010244-001EMSD	Matrix Spike Duplicate						01/13/05 20:43		
Chloroform	121	ug/L	5.0	92.9	70	130	7.6	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	84	80	120	0	10	
Surr: Dibromofluoromethane			5.0	91.2	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	93.6	75	125	0	10	
Surr: Toluene-d8			5.0	97.2	80	120	0	10	
Method: E900.1							Batch: R45501		
Sample ID: C05010240-002A	Sample Duplicate						01/12/05 11:10		
Gross Alpha minus Rn & U	ND	pCi/L	1.0				0	30	
Sample ID: C05010240-003A	Matrix Spike						01/12/05 11:10		
Gross Alpha minus Rn & U	41.2	pCi/L	1.0	104	70	130			
Sample ID: MB-R45501	Method Blank						01/12/05 11:10		
Gross Alpha minus Rn & U	ND	pCi/L	1						
Sample ID: LCS-R45501	Laboratory Control Spike						01/12/05 11:10		
Gross Alpha minus Rn & U	46.3	pCi/L	1.0	123	70	130			

Qualifiers:

ND - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 01/27/05

Work Order: C05010244

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0							Batch: RA226-0865		
Sample ID: C05010209-001AMS	Matrix Spike								01/10/05 13:45
Radium 226	25	pCi/L	0.20	98.6	70	130			
Sample ID: C05010209-001AMSD	Matrix Spike Duplicate								01/10/05 13:45
Radium 226	26	pCi/L	0.20	104	70	130	5.0	27.6	
Sample ID: MB-RA226-0865	Method Blank								01/10/05 13:45
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-0865	Laboratory Control Spike								01/10/05 13:45
Radium 226	15	pCi/L	0.20	100	70	130			
Method: E904.0							Batch: RA228-0789		
Sample ID: LCS-228-RA226-0865	Laboratory Control Spike								01/10/05 13:45
Radium 228	9.6	pCi/L	1.0	93.6	70	130			
Sample ID: MB-RA226-0865	Method Blank								01/10/05 13:45
Radium 228	ND	pCi/L	1						
Sample ID: C05010209-002AMS	Matrix Spike								01/10/05 13:45
Radium 228	16	pCi/L	1.0	92.3	70	130			
Sample ID: C05010209-002AMSD	Matrix Spike Duplicate								01/10/05 13:45
Radium 228	16	pCi/L	1.0	91.4	70	130	1.0	36.1	
Method: E907.0							Batch: R45487		
Sample ID: MB-R45487	Method Blank								01/11/05 10:30
Thorium 230	ND	pCi/L	0.2						
Sample ID: LCS-R45487	Laboratory Control Spike								01/11/05 10:30
Thorium 230	20.8	pCi/L	0.20	83.2	70	130			
Sample ID: C05010245-001AMS	Matrix Spike								01/11/05 10:30
Thorium 230	448	pCi/L	0.20	108	70	130			
Sample ID: C05010245-001AMSD	Matrix Spike Duplicate								01/11/05 10:30
Thorium 230	366	pCi/L	0.20	42.5	70	130	20	30	S

- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the batch is approved.

Qualifiers:

- Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 01/27/05

Work Order: C05010244

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: . NERHL-65-4							Batch: 05PB-42		
Sample ID: 210	Laboratory Control Spike								01/12/05 17:48
Lead 210	78	pCi/L	1.0	89.1	70	130			
Sample ID: C05010240-011AMS	Matrix Spike								01/12/05 17:48
Lead 210	280	pCi/L	1.0	125	70	130			
Sample ID: MB	Method Blank								01/12/05 17:48
Lead 210	ND	pCi/L	1						

Qualifiers:

- Analyte reporting limit.

ND - Not detected at the reporting limit.



ANALYTICAL SUMMARY REPORT

February 03, 2005

Max Chischilly
United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C05010490

Quote ID: C129 - Quarterly Long List

Project Name: Zone 1

Energy Laboratories Inc. received the following 7 samples from United Nuclear Corp on 1/14/2005 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C05010490-001	TWQ-142	01/10/05 9:00	01/14/05	Aqueous	Metals by ICP/ICPMS, Total Alkalinity QA Calculations Arsenic-III, Total Selenium-IV, Total Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved E624 Purgeable Organics
C05010490-002	EPA-2	01/11/05 10:40	01/14/05	Aqueous	Same As Above
C05010490-003	EPA-2 Duplicate	01/11/05 11:00	01/14/05	Aqueous	Same As Above
C05010490-004	EPA-7	01/11/05 12:45	01/14/05	Aqueous	Same As Above
C05010490-005	EPA-5	01/11/05 13:20	01/14/05	Aqueous	Same As Above
C05010490-006	EPA-4	01/11/05 13:55	01/14/05	Aqueous	Same As Above
C05010490-007	Field Blank	01/12/05 11:20	01/14/05	Aqueous	Same As Above

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative or Report.

If you have any questions regarding these tests results, please call.

Report Approved By:


JAMES YOCUM
QUALITY ASSURANCE DIRECTOR

QA/QC Summary Report

Client: United Nuclear Corp

Report Date: 02/03/05

Project: Zone 1

Work Order: C05010490

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B							Batch: 050119_1_ALK-W		
Sample ID: MBLK1_050119_1	Method Blank								01/19/05 09:40
Bicarbonate as HCO ₃	ND	mg/L	1						
Method: A2540 C							Batch: 050117C-SLDS-TDS-W		
Sample ID: LCS1_050117C	Laboratory Control Spike								01/17/05 16:35
Solids, Total Dissolved TDS @ 180 C	994	mg/L	10	99.4	90	110			
Sample ID: MBLK1_050117C	Method Blank								01/17/05 16:35
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05010489-002AMS	Matrix Spike								01/17/05 16:38
Solids, Total Dissolved TDS @ 180 C	24800	mg/L	10	101	90	110			
Sample ID: C05010489-002AMSD	Matrix Spike Duplicate								01/17/05 16:38
Solids, Total Dissolved TDS @ 180 C	24800	mg/L	10	101	90	110	0	10	
Sample ID: C05010491-002BMS	Matrix Spike								01/17/05 16:41
Solids, Total Dissolved TDS @ 180 C	26700	mg/L	10	102	90	110			
Sample ID: C05010491-002BMSD	Matrix Spike Duplicate								01/17/05 16:41
Solids, Total Dissolved TDS @ 180 C	26500	mg/L	10	101	90	110	0.6	10	
Sample ID: LCS2_050117C	Laboratory Control Spike								01/17/05 16:42
Solids, Total Dissolved TDS @ 180 C	990	mg/L	10	99	90	110			
Sample ID: MBLK2_050117C	Method Blank								01/17/05 16:42
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05010524-001AMS	Matrix Spike								01/17/05 16:44
Solids, Total Dissolved TDS @ 180 C	22000	mg/L	10	101	90	110			
Sample ID: C05010524-001AMSD	Matrix Spike Duplicate								01/17/05 16:45
Solids, Total Dissolved TDS @ 180 C	22100	mg/L	10	101	90	110	0.2	10	
Sample ID: C05010525-002DMS	Matrix Spike								01/17/05 16:45
Solids, Total Dissolved TDS @ 180 C	20400	mg/L	10	100	90	110			
Sample ID: C05010525-002DMSD	Matrix Spike Duplicate								01/17/05 16:46
Solids, Total Dissolved TDS @ 180 C	20500	mg/L	10	101	90	110	0.5	10	
Sample ID: LCS3_050117C	Laboratory Control Spike								01/17/05 16:46
Solids, Total Dissolved TDS @ 180 C	1000	mg/L	10	100	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Report Date: 02/03/05

Project: Zone 1

Work Order: C05010490

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: ASIII-3114-050117		
Sample ID: MBLK	Method Blank								01/17/05 11:39
Arsenic-III	ND	mg/L	0.0004						
Sample ID: C05010488-001A MS	Matrix Spike								01/17/05 12:11
Arsenic-III	0.0493	mg/L	0.0010	98.6	85	115			
Sample ID: C05010488-001A MSD	Matrix Spike Duplicate								01/17/05 12:13
Arsenic-III	0.0503	mg/L	0.0010	101	85	115	2.0	10	
Sample ID: C265-15-1	Laboratory Control Spike								01/17/05 12:15
Arsenic-III	0.0509	mg/L	0.0010	102	90	110			
Sample ID: MBLK	Method Blank								01/17/05 12:20
Arsenic-III	ND	mg/L	0.0004						
Sample ID: C05010491-002A MS	Matrix Spike								01/17/05 12:49
Arsenic-III	0.0637	mg/L	0.0010	89.2	85	115			
Sample ID: C05010491-002A MSD	Matrix Spike Duplicate								01/17/05 12:51
Arsenic-III	0.0645	mg/L	0.0010	90.8	85	115	1.2	10	
Sample ID: C265-15-1	Laboratory Control Spike								01/17/05 12:52
Arsenic-III	0.0527	mg/L	0.0010	105	90	110			
Sample ID: MBLK	Method Blank								01/17/05 12:56
Arsenic-III	ND	mg/L	0.0004						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 02/03/05
Work Order: C05010490

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B			Batch: SEIV-3114-050118						
Sample ID: MBLK Selenium-IV	Method Blank ND	mg/L	0.0003						01/18/05 10:00
Sample ID: C05010488-001A MS Selenium-IV	Matrix Spike 0.0513	mg/L	0.0010	100	85	115			01/18/05 10:19
Sample ID: C05010488-001A MSD Selenium-IV	Matrix Spike Duplicate 0.0514	mg/L	0.0010	100	85	115	0	10	01/18/05 10:21
Sample ID: C265-15-1 Selenium-IV	Laboratory Control Spike 0.0487	mg/L	0.0010	97.5	90	110			01/18/05 10:23
Sample ID: MBLK Selenium-IV	Method Blank ND	mg/L	0.0003						01/18/05 10:28
Sample ID: C05010491-002A MS Selenium-IV	Matrix Spike 0.0451	mg/L	0.0010	90.3	85	115			01/18/05 10:48
Sample ID: C05010491-002A MSD Selenium-IV	Matrix Spike Duplicate 0.0454	mg/L	0.0010	90.9	85	115	0.6	10	01/18/05 10:49
Sample ID: C265-15-1 Selenium-IV	Laboratory Control Spike 0.0477	mg/L	0.0010	95.3	90	110			01/18/05 10:51
Sample ID: MBLK Selenium-IV	Method Blank ND	mg/L	0.0003						01/18/05 10:55
Method: A4500-H B			Batch: PHSC050117A						
Sample ID: C05010489-001A pH	Sample Duplicate 6.72	s.u.	0.010				0.9	10	01/17/05 16:28
Sample ID: C05010491-001B pH	Sample Duplicate 6.76	s.u.	0.010				0.1	10	01/17/05 16:44
Sample ID: C05010491-011B pH	Sample Duplicate 6.43	s.u.	0.010				0.9	10	01/17/05 16:59
Sample ID: C05010492-010D pH	Sample Duplicate 7.81	s.u.	0.010				1.8	10	01/17/05 17:13
Sample ID: C05010524-001A pH	Sample Duplicate 7.89	s.u.	0.010				0	10	01/17/05 17:23

Qualifiers:

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ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 02/03/05
Work Order: C05010490

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G			Batch: A2005-01-19_1_NH3_01						
Sample ID: MBLK-1	Method Blank								01/20/05 09:12
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05010490-003DMS	Matrix Spike								01/20/05 09:27
Nitrogen, Ammonia as N	2.79	mg/L	0.050	112	80	120			
Sample ID: C05010490-003DMSD	Matrix Spike Duplicate								01/20/05 09:28
Nitrogen, Ammonia as N	2.82	mg/L	0.050	113	80	120	1.1	20	
Sample ID: MBLK-17	Method Blank								01/20/05 09:45
Nitrogen, Ammonia as N	0.07	mg/L	0.02						
Sample ID: C05010490-006DMS	Matrix Spike								01/20/05 09:56
Nitrogen, Ammonia as N	2.84	mg/L	0.050	104	80	120			
Sample ID: C05010490-006DMSD	Matrix Spike Duplicate								01/20/05 09:58
Nitrogen, Ammonia as N	2.96	mg/L	0.050	110	80	120	4.1	20	
Sample ID: MBLK-32	Method Blank								01/20/05 10:14
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05010491-009DMS	Matrix Spike								01/20/05 10:28
Nitrogen, Ammonia as N	3.02	mg/L	0.050	110	80	120			
Sample ID: C05010491-009DMSD	Matrix Spike Duplicate								01/20/05 10:30
Nitrogen, Ammonia as N	3.05	mg/L	0.050	111	80	120	1.0	20	
Sample ID: MBLK-48	Method Blank								01/20/05 10:46
Nitrogen, Ammonia as N	0.03	mg/L	0.02						

Qualifiers:

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ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 02/03/05

Work Order: C05010490

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R45924		
Sample ID: C05010490-006AMS1 Matrix Spike							01/27/05 13:05		
Calcium	1030	mg/L	0.57	93.8	70	130			
Magnesium	821	mg/L	0.53	87.9	70	130			
Potassium	463	mg/L	0.52	90.8	70	130			
Sodium	654	mg/L	0.62	92.5	70	130			
Sample ID: C05010490-006AMS2 Matrix Spike							01/27/05 13:08		
Aluminum	8.91	mg/L	0.10	89.1	70	130			
Beryllium	8.87	mg/L	0.010	88.7	70	130			
Manganese	12.3	mg/L	0.010	90	70	130			
Molybdenum	8.88	mg/L	0.79	88.8	70	130			
Vanadium	9.09	mg/L	0.10	90.9	70	130			
Sample ID: C05010490-006AMS3 Matrix Spike							01/27/05 13:20		
Chloride	967	mg/L	1.0	92.3	70	130			
Sulfate	3780	mg/L	8.0	89.1	70	130			
Sample ID: C05010490-006AMSD1 Matrix Spike Duplicate							01/27/05 13:23		
Calcium	1040	mg/L	0.57	96.4	70	130	1.3	20	
Magnesium	832	mg/L	0.53	90.1	70	130	1.3	20	
Potassium	472	mg/L	0.52	92.5	70	130	1.8	20	
Sodium	663	mg/L	0.62	94.3	70	130	1.4	20	
Sample ID: C05010490-006AMSD2 Matrix Spike Duplicate							01/27/05 13:26		
Aluminum	9.47	mg/L	0.10	94.7	70	130	6.1	20	
Beryllium	9.32	mg/L	0.010	93.2	70	130	4.9	20	
Manganese	12.9	mg/L	0.010	95.4	70	130	4.3	20	
Molybdenum	9.06	mg/L	0.79	90.6	70	130	2.0	20	
Vanadium	9.59	mg/L	0.10	95.9	70	130	5.4	20	
Sample ID: C05010490-006AMSD3 Matrix Spike Duplicate							01/27/05 13:29		
Chloride	1020	mg/L	1.0	97.2	70	130	4.9	20	
Sulfate	3780	mg/L	8.0	88.9	70	130	0	20	
Sample ID: C05010491-004AMS1 Matrix Spike							01/27/05 14:09		
Calcium	1160	mg/L	0.57	85.2	70	130			
Magnesium	614	mg/L	0.53	91.6	70	130			
Potassium	459	mg/L	0.52	90	70	130			
Sodium	603	mg/L	0.62	89.6	70	130			
Sample ID: C05010491-004AMS2 Matrix Spike							01/27/05 14:12		
Aluminum	9.49	mg/L	0.10	94.9	70	130			
Beryllium	9.23	mg/L	0.010	92.3	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 02/03/05
Work Order: C05010490

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R45924		
Sample ID: C05010491-004AMS2	Matrix Spike		01/27/05 14:12						
Manganese	11.6	mg/L	0.010	94	70	130			
Molybdenum	9.04	mg/L	0.79	90.4	70	130			
Vanadium	9.57	mg/L	0.10	95.7	70	130			
Sample ID: C05010491-004AMS3	Matrix Spike		01/27/05 14:15						
Chloride	1080	mg/L	1.0	99.5	70	130			
Sulfate	2620	mg/L	8.0	82.4	70	130			
Sample ID: C05010491-004AMSD1	Matrix Spike Duplicate		01/27/05 14:18						
Calcium	1180	mg/L	0.57	89.2	70	130	1.7	20	
Magnesium	636	mg/L	0.53	96	70	130	3.5	20	
Potassium	484	mg/L	0.52	94.9	70	130	5.2	20	
Sodium	632	mg/L	0.62	95.4	70	130	4.7	20	
Sample ID: C05010491-004AMSD2	Matrix Spike Duplicate		01/27/05 14:21						
Aluminum	9.51	mg/L	0.10	95.1	70	130	0.2	20	
Beryllium	9.28	mg/L	0.010	92.8	70	130	0.5	20	
Manganese	11.6	mg/L	0.010	94.4	70	130	0.4	20	
Molybdenum	9.01	mg/L	0.79	90.1	70	130	0.3	20	
Vanadium	9.59	mg/L	0.10	95.9	70	130	0.2	20	
Sample ID: C05010491-004AMSD3	Matrix Spike Duplicate		01/27/05 14:24						
Sulfate	2620	mg/L	8.0	81.9	70	130	0.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Report Date: 02/03/05

Project: Zone 1

Work Order: C05010490

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R45987		
Sample ID: LRB	Method Blank							01/31/05 14:10	
Cadmium	ND	mg/L	0.0002						
Cobalt	ND	mg/L	0.00003						
Lead	ND	mg/L	0.00002						
Molybdenum	0.0001	mg/L	0.00007						
Nickel	ND	mg/L	0.00008						
Uranium	ND	mg/L	0.00004						
Sample ID: C05010748-001CMS4	Post Digestion Spike							01/31/05 18:13	
Cadmium	0.0488	mg/L	0.010	97.6	70	130			
Cobalt	0.0533	mg/L	0.010	97.8	70	130			
Lead	0.0523	mg/L	0.050	104	70	130			
Molybdenum	0.0522	mg/L	0.10	101	70	130			
Nickel	0.0599	mg/L	0.050	96.1	70	130			
Uranium	0.102	mg/L	0.00030	111	70	130			
Sample ID: C05010748-001CMSD4	Post Digestion Spike Dup							01/31/05 18:49	
Cadmium	0.0479	mg/L	0.010	95.7	70	130	2.0	20	
Cobalt	0.0527	mg/L	0.010	96.5	70	130	1.2	20	
Lead	0.0517	mg/L	0.050	103	70	130	1.1	20	
Molybdenum	0.0518	mg/L	0.10	101	70	130	0	20	
Nickel	0.0590	mg/L	0.050	94.3	70	130	1.5	20	
Uranium	0.103	mg/L	0.00030	112	70	130	0.6	20	
Sample ID: C05010410-004AMS4	Post Digestion Spike							01/31/05 20:44	
Cadmium	0.0509	mg/L	0.010	102	70	130			
Cobalt	0.0503	mg/L	0.010	101	70	130			
Lead	0.0511	mg/L	0.050	101	70	130			
Molybdenum	0.0498	mg/L	0.10	99.2	70	130			
Nickel	0.0516	mg/L	0.050	103	70	130			
Uranium	0.0507	mg/L	0.00030	101	70	130			
Sample ID: C05010410-004AMSD4	Post Digestion Spike Dup							01/31/05 20:51	
Cadmium	0.0501	mg/L	0.010	100	70	130	1.7	20	
Cobalt	0.0506	mg/L	0.010	101	70	130	0.4	20	
Lead	0.0508	mg/L	0.050	100	70	130	0.6	20	
Molybdenum	0.0491	mg/L	0.10	97.8	70	130	0	20	
Nickel	0.0515	mg/L	0.050	103	70	130	0.2	20	
Uranium	0.0500	mg/L	0.00030	100	70	130	1.4	20	

Qualifiers:

L - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 02/03/05
Work Order: C05010490

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R45987		
Sample ID: C05010887-001BMS4	Post Digestion Spike							01/31/05 21:12	
Cadmium	0.0457	mg/L	0.010	91.5	70	130			
Cobalt	0.0498	mg/L	0.010	98.7	70	130			
Lead	0.0526	mg/L	0.050	105	70	130			
Molybdenum	0.0511	mg/L	0.10	101	70	130			
Nickel	0.0539	mg/L	0.050	97.6	70	130			
Uranium	0.0566	mg/L	0.00030	109	70	130			
Sample ID: C05010887-001BMSD4	Post Digestion Spike Dup							01/31/05 21:19	
Cadmium	0.0449	mg/L	0.010	89.7	70	130	1.9	20	
Cobalt	0.0510	mg/L	0.010	101	70	130	2.4	20	
Lead	0.0522	mg/L	0.050	104	70	130	0.9	20	
Molybdenum	0.0500	mg/L	0.10	99.3	70	130	0	20	
Nickel	0.0546	mg/L	0.050	99.2	70	130	1.4	20	
Uranium	0.0567	mg/L	0.00030	110	70	130	0.3	20	
Sample ID: C05010491-003AMS4	Post Digestion Spike							01/31/05 23:50	
Cadmium	0.242	mg/L	0.010	97	70	130			
Cobalt	0.616	mg/L	0.010	106	70	130			
Lead	0.264	mg/L	0.050	102	70	130			
Molybdenum	0.244	mg/L	0.10	97.2	70	130			
Nickel	0.706	mg/L	0.050	100	70	130			
Uranium	0.342	mg/L	0.00030	106	70	130			
Sample ID: C05010491-003AMSD4	Post Digestion Spike Dup							01/31/05 23:58	
Cadmium	0.241	mg/L	0.010	96.4	70	130	0.6	20	
Cobalt	0.593	mg/L	0.010	96.7	70	130	3.8	20	
Lead	0.264	mg/L	0.050	102	70	130	0	20	
Molybdenum	0.251	mg/L	0.10	99.6	70	130	2.5	20	
Nickel	0.685	mg/L	0.050	91.7	70	130	3.0	20	
Uranium	0.338	mg/L	0.00030	105	70	130	1.2	20	
Sample ID: C05010488-002AMS4	Post Digestion Spike							02/01/05 03:26	
Cadmium	0.471	mg/L	0.010	94.2	70	130			
Cobalt	0.474	mg/L	0.010	91.2	70	130			
Lead	0.490	mg/L	0.050	98.1	70	130			
Molybdenum	0.505	mg/L	0.10	101	70	130			
Nickel	0.546	mg/L	0.050	92.2	70	130			
Uranium	0.527	mg/L	0.00035	99.6	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 02/03/05

Work Order: C05010490

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R45987		
Sample ID: C05010488-002AMSD4	Post Digestion Spike Dup							02/01/05 03:33	
Cadmium	0.479	mg/L	0.010	95.8	70	130	1.7	20	
Cobalt	0.492	mg/L	0.010	94.6	70	130	3.6	20	
Lead	0.501	mg/L	0.050	100	70	130	2.2	20	
Molybdenum	0.521	mg/L	0.10	104	70	130	3.1	20	
Nickel	0.558	mg/L	0.050	94.7	70	130	2.2	20	
Uranium	0.543	mg/L	0.00035	103	70	130	3.0	20	
Sample ID: C05010511-001AMS4	Post Digestion Spike							02/01/05 03:54	
Cadmium	0.0515	mg/L	0.010	103	70	130			
Cobalt	0.0508	mg/L	0.010	101	70	130			
Lead	0.0503	mg/L	0.050	100	70	130			
Molybdenum	0.0506	mg/L	0.10	101	70	130			
Nickel	0.0510	mg/L	0.050	101	70	130			
Uranium	0.0505	mg/L	0.00030	101	70	130			
Sample ID: C05010511-001AMSD4	Post Digestion Spike Dup							02/01/05 04:30	
Cadmium	0.0494	mg/L	0.010	98.8	70	130	4.1	20	
Cobalt	0.0488	mg/L	0.010	97.2	70	130	4.0	20	
Lead	0.0494	mg/L	0.050	98.3	70	130	0	20	
Molybdenum	0.0488	mg/L	0.10	97.3	70	130	0	20	
Nickel	0.0494	mg/L	0.050	97.5	70	130	0	20	
Uranium	0.0498	mg/L	0.00030	99.5	70	130	1.4	20	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 02/03/05

Work Order: C05010490

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2			Batch: A2005-01-17_1_NO3_03						
Sample ID: MBLK-1	Method Blank								01/17/05 13:41
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05010491-007DMS	Matrix Spike								01/17/05 13:57
Nitrogen, Nitrate+Nitrite as N	2.26	mg/L	0.10	93.5	90	110			
Sample ID: C05010491-007DMSD	Matrix Spike Duplicate								01/17/05 13:59
Nitrogen, Nitrate+Nitrite as N	2.36	mg/L	0.10	98.5	90	110	4.3	10	
Sample ID: MBLK-17	Method Blank								01/17/05 14:32
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05010490-003DMS	Matrix Spike								01/17/05 14:47
Nitrogen, Nitrate+Nitrite as N	1.96	mg/L	0.10	98	90	110			
Sample ID: C05010490-003DMSD	Matrix Spike Duplicate								01/17/05 14:49
Nitrogen, Nitrate+Nitrite as N	1.90	mg/L	0.10	95	90	110	3.1	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 02/03/05

Work Order: C05010490

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							Batch: R45719		
Sample ID: 21-Jan-05_LCS_3	Laboratory Control Spike		01/21/05 13:31						
Chloroform	8.96	ug/L	1.0	89.6	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	95.2	80	120			
Surr: Dibromofluoromethane			1.0	101	70	130			
Surr: p-Bromofluorobenzene			1.0	124	75	125			
Surr: Toluene-d8			1.0	101	80	120			
Sample ID: 21-Jan-05_MBLK_6	Method Blank		01/21/05 15:45						
Chloroform	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			0.5	106	80	120			
Surr: Dibromofluoromethane			0.5	103	70	130			
Surr: p-Bromofluorobenzene			0.5	98.8	75	125			
Surr: Toluene-d8			0.5	101	80	120			
Sample ID: C05010490-003EMS	Matrix Spike		01/22/05 00:46						
Chloroform	86.8	ug/L	5.0	86.8	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	106	80	120			
Surr: Dibromofluoromethane			5.0	101	70	130			
Surr: p-Bromofluorobenzene			5.0	108	75	125			
Surr: Toluene-d8			5.0	100	80	120			
Sample ID: C05010490-003EMSD	Matrix Spike Duplicate		01/22/05 01:31						
Chloroform	88.4	ug/L	5.0	88.4	70	130	1.8	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	103	80	120	0	10	
Surr: Dibromofluoromethane			5.0	101	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	102	75	125	0	10	
Surr: Toluene-d8			5.0	102	80	120	0	10	
Method: E900.1							Batch: R45619		
Sample ID: C05010424-002D	Matrix Spike		01/17/05 09:55						
Gross Alpha minus Rn & U	67.0	pCi/L	1.0	88.9	70	130			
Sample ID: C05010424-002D	Matrix Spike Duplicate		01/17/05 09:55						
Gross Alpha minus Rn & U	73.7	pCi/L	1.0	97.7	70	130	9.5	30	
Sample ID: MB-R45619	Method Blank		01/17/05 09:55						
Gross Alpha minus Rn & U	ND	pCi/L	1						
Sample ID: LCS-R45619	Laboratory Control Spike		01/17/05 09:55						
Gross Alpha minus Rn & U	34.7	pCi/L	1.0	92	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 02/03/05
Work Order: C05010490

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0		Batch: RA226-0873							
Sample ID: C05010491-011AMS	Matrix Spike								01/17/05 12:45
Radium 226	35	pCi/L	0.20	81.6	70	130			
Sample ID: C05010491-011AMSD	Matrix Spike Duplicate								01/17/05 12:45
Radium 226	33	pCi/L	0.20	76.6	70	130	5.5	26.6	
Sample ID: MB-RA226-0873	Method Blank								01/17/05 12:45
Radium 226	ND	pCi/L	0.2						
Method: E904.0		Batch: RA228-0795							
Sample ID: LCS-228-RA226-0873	Laboratory Control Spike								01/17/05 12:15
Radium 228	8.9	pCi/L	1.0	87.4	70	130			
Sample ID: MB-RA226-873	Method Blank								01/17/05 12:15
Radium 228	ND	pCi/L	1						
Sample ID: C05010490-001AMS	Matrix Spike								01/17/05 12:15
Radium 228	24	pCi/L	1.0	94.1	70	130			
Sample ID: C05010490-001AMSD	Matrix Spike Duplicate								01/17/05 12:15
Radium 228	25	pCi/L	1.0	96.8	70	130	2.8	33.3	
Method: E907.0		Batch: R45661							
Sample ID: MB-R45661	Method Blank								01/17/05 10:30
Thorium 230	ND	pCi/L	0.2						
Sample ID: LCS-R45661	Laboratory Control Spike								01/17/05 10:30
Thorium 230	21.3	pCi/L	0.20	85.2	70	130			
Sample ID: C05010491-011AMS	Matrix Spike								01/17/05 10:30
Thorium 230	151	pCi/L	0.20	121	70	130			
Sample ID: C05010491-011AMSD	Matrix Spike Duplicate								01/17/05 10:30
Thorium 230	125	pCi/L	0.20	100	70	130	19	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 02/03/05

Work Order: C05010490

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: NERHL-65-4									Batch: 05PB-45
Sample ID: 210	Laboratory Control Spike								01/20/05 05:44
Lead 210	85	pCi/L	1.0	96.7	70	130			
Sample ID: C05010491-001A	Matrix Spike								01/20/05 05:44
Lead 210	170	pCi/L	1.0	77.9	70	130			
Sample ID: C05010491-001A	Matrix Spike Duplicate								01/20/05 05:44
Lead 210	200	pCi/L	1.0	93.2	70	130	18	30	
Sample ID: MB	Method Blank								01/20/05 05:44
Lead 210	ND	pCi/L	1						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



ANALYTICAL SUMMARY REPORT

May 03, 2005

Max Chischilly
United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C05040335

Quote ID: C129 - Quarterly Long List

Project Name: Zone 1

Energy Laboratories Inc. received the following 4 samples from United Nuclear Corp on 4/8/2005 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C05040335-001	614	04/06/05 10:20 8:55	04/08/05	Aqueous	Metals by ICP/ICPMS, Total Alkalinity QA Calculations Arsenic-III, Total Selenium-IV, Total Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved E624 Purgeable Organics
C05040335-002	515-A	04/06/05 8:55 9:45	04/08/05	Aqueous	Same As Above
C05040335-003	604	04/06/05 9:45 10:20	04/08/05	Aqueous	Same As Above
C05040335-004	Trip Blank	04/06/05 0:00	04/08/05	Aqueous	E624 Purgeable Organics

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative or Report.

If you have any questions regarding these tests results, please call.

Report Approved By:


JAMES YOCUM
QUALITY ASSURANCE DIRECTOR



QA/QC Summary Report

Client: United Nuclear Corp

Report Date: 05/03/05

Project: Zone 1

Work Order: C05040335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B							Batch: 050419_1_ALK-W		
Sample ID: MBLK1_050419_1	Method Blank							04/19/05 12:03	
Bicarbonate as HCO ₃	ND	mg/L		1					
Sample ID: C05040588-001ADUP	Sample Duplicate							04/19/05 17:23	
Bicarbonate as HCO ₃	41.4	mg/L		1.0			3.1	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 05/03/05
Work Order: C05040335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C							Batch: 050412A-SLDS-TDS-W		
Sample ID: LCS1_050412A	Laboratory Control Spike								04/12/05 12:21
Solids, Total Dissolved TDS @ 180 C	1000	mg/L	10	100	90	110			
Sample ID: MBLK1_050412A	Method Blank								04/12/05 14:44
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05040336-004CMS	Matrix Spike								04/12/05 14:47
Solids, Total Dissolved TDS @ 180 C	13000	mg/L	10	99.4	90	110			
Sample ID: C05040336-004CMSD	Matrix Spike Duplicate								04/12/05 14:48
Solids, Total Dissolved TDS @ 180 C	13100	mg/L	10	101	90	110	1.4	10	
Sample ID: C05040339-007DDUP	Sample Duplicate								04/12/05 15:00
Solids, Total Dissolved TDS @ 180 C	1100	mg/L	10				0.9	10	
Sample ID: C05040339-007DMS	Matrix Spike								04/12/05 15:01
Solids, Total Dissolved TDS @ 180 C	10900	mg/L	10	97.8	90	110			
Sample ID: C05040339-007DMSD	Matrix Spike Duplicate								04/12/05 15:01
Solids, Total Dissolved TDS @ 180 C	11000	mg/L	10	98.8	90	110	0.9	10	
Sample ID: LCS2_050412A	Laboratory Control Spike								04/12/05 15:02
Solids, Total Dissolved TDS @ 180 C	1000	mg/L	10	100	90	110			
Sample ID: MBLK2_050412A	Method Blank								04/12/05 15:19
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05040356-005AMS	Matrix Spike								04/12/05 15:29
Solids, Total Dissolved TDS @ 180 C	10200	mg/L	10	100	90	110			
Sample ID: C05040356-005AMSD	Matrix Spike Duplicate								04/12/05 15:29
Solids, Total Dissolved TDS @ 180 C	10300	mg/L	10	101	90	110	0.7	10	
Sample ID: C05040420-005CDUP	Sample Duplicate								04/12/05 15:33
Solids, Total Dissolved TDS @ 180 C	8810	mg/L	10				0.5	10	
Sample ID: C05040420-005CMS	Matrix Spike								04/12/05 15:34
Solids, Total Dissolved TDS @ 180 C	29000	mg/L	10	101	90	110			
Sample ID: C05040420-005CMSD	Matrix Spike Duplicate								04/12/05 15:34
Solids, Total Dissolved TDS @ 180 C	29300	mg/L	10	102	90	110	0.8	10	
Sample ID: LCS3_050412A	Laboratory Control Spike								04/12/05 15:34
Solids, Total Dissolved TDS @ 180 C	998	mg/L	10	99.8	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 05/03/05

Work Order: C05040335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: ASIII3114-050411		
Sample ID: MBLK	Method Blank								04/11/05 10:41
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05040333-001AMS	Matrix Spike								04/11/05 11:03
Arsenic-III	0.0476	mg/L	0.0010	95.1	85	115			
Sample ID: C05040333-001AMSD	Matrix Spike Duplicate								04/11/05 11:05
Arsenic-III	0.0478	mg/L	0.0010	95.6	85	115	0.5	10	
Sample ID: C265-37-6	Laboratory Control Spike								04/11/05 11:07
Arsenic-III	0.0488	mg/L	0.0010	97.6	90	110			
Sample ID: MBLK	Method Blank								04/11/05 11:20
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05040333-011AMS	Matrix Spike								04/11/05 11:42
Arsenic-III	0.0513	mg/L	0.0010	103	85	115			
Sample ID: C05040333-011AMSD	Matrix Spike Duplicate								04/11/05 11:44
Arsenic-III	0.0515	mg/L	0.0010	103	85	115	0.3	10	
Sample ID: C265-37-6	Laboratory Control Spike								04/11/05 11:46
Arsenic-III	0.0499	mg/L	0.0010	99.8	90	110			
Sample ID: MBLK	Method Blank								04/11/05 11:52
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05040335-003AMS	Matrix Spike								04/11/05 11:56
Arsenic-III	0.0493	mg/L	0.0010	98.7	85	115			
Sample ID: C05040335-003AMSD	Matrix Spike Duplicate								04/11/05 11:58
Arsenic-III	0.0510	mg/L	0.0010	102	85	115	3.3	10	
Sample ID: C265-37-6	Laboratory Control Spike								04/11/05 12:00
Arsenic-III	0.0486	mg/L	0.0010	97.2	90	110			
Sample ID: MBLK	Method Blank								04/11/05 12:04
Arsenic-III	ND	mg/L	0.0005						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 05/03/05

Work Order: C05040335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: SEIV3114-050413		
Sample ID: MBLK	Method Blank								04/13/05 09:38
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05040333-001AMS	Matrix Spike								04/13/05 09:59
Selenium-IV	0.0503	mg/L	0.0010	101	85	115			
Sample ID: C05040333-001AMSD	Matrix Spike Duplicate								04/13/05 10:01
Selenium-IV	0.0486	mg/L	0.0010	97.1	85	115	3.6	10	
Sample ID: C265-37-6	Laboratory Control Spike								04/13/05 10:03
Selenium-IV	0.0525	mg/L	0.0010	105	90	110			
Sample ID: MBLK	Method Blank								04/13/05 10:09
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05040333-011AMS	Matrix Spike								04/13/05 10:33
Selenium-IV	0.0482	mg/L	0.0010	96.3	85	115			
Sample ID: C05040333-011AMSD	Matrix Spike Duplicate								04/13/05 10:35
Selenium-IV	0.0499	mg/L	0.0010	99.8	85	115	3.5	10	
Sample ID: C265-37-6	Laboratory Control Spike								04/13/05 10:37
Selenium-IV	0.0500	mg/L	0.0010	100	90	110			
Sample ID: MBLK	Method Blank								04/13/05 10:43
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05040335-003AMS	Matrix Spike								04/13/05 10:52
Selenium-IV	0.0516	mg/L	0.0010	98.2	85	115			
Sample ID: C05040335-003AMSD	Matrix Spike Duplicate								04/13/05 10:54
Selenium-IV	0.0496	mg/L	0.0010	94.3	85	115	3.8	10	
Sample ID: C265-37-6	Laboratory Control Spike								04/13/05 10:56
Selenium-IV	0.0494	mg/L	0.0010	98.8	90	110			
Sample ID: MBLK	Method Blank								04/13/05 10:59
Selenium-IV	ND	mg/L	0.0002						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 05/03/05
Work Order: C05040335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B							Batch: PHSC050412A		
Sample ID: C05040333-011CDUP	Sample Duplicate								04/12/05 14:23
pH	7.54	s.u.	0.010				0.4	10	
Sample ID: C05040335-002BDUP	Sample Duplicate								04/12/05 14:52
pH	4.69	s.u.	0.010				0.9	10	
Sample ID: C05040420-001CDUP	Sample Duplicate								04/12/05 15:19
pH	8.24	s.u.	0.010				0	10	
Method: A4500-NH3 G							Batch: A2005-04-12_1_NH3_01		
Sample ID: MBLK-1	Method Blank								04/12/05 08:47
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05040333-016DMS	Matrix Spike								04/12/05 09:01
Nitrogen, Ammonia as N	2.17	mg/L	0.050	108	80	120			
Sample ID: C05040333-016DMSD	Matrix Spike Duplicate								04/12/05 09:03
Nitrogen, Ammonia as N	2.12	mg/L	0.050	106	80	120	2.3	20	
Sample ID: MBLK-17	Method Blank								04/12/05 09:19
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05040339-006CMS	Matrix Spike								04/12/05 09:35
Nitrogen, Ammonia as N	2.03	mg/L	0.050	102	80	120			
Sample ID: C05040339-006CMSD	Matrix Spike Duplicate								04/12/05 09:37
Nitrogen, Ammonia as N	2.02	mg/L	0.050	101	80	120	0.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 05/03/05

Work Order: C05040335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R48869		
Sample ID: C05040333-011AMS1	Matrix Spike								04/13/05 13:47
Calcium	1020	mg/L	0.57	93.4	70	130			
Magnesium	1400	mg/L	0.53	78.6	70	130			
Potassium	477	mg/L	0.52	93	70	130			
Sodium	854	mg/L	0.62	93.7	70	130			
Sample ID: C05040333-011AMSD1	Matrix Spike Duplicate								04/13/05 13:56
Calcium	1020	mg/L	0.57	94.4	70	130	0.5	20	
Magnesium	1410	mg/L	0.53	80.2	70	130	0.6	20	
Potassium	483	mg/L	0.52	94.2	70	130	1.2	20	
Sodium	855	mg/L	0.62	93.9	70	130	0.1	20	
Sample ID: C05040335-001AMS1	Matrix Spike								04/13/05 15:15
Potassium	483	mg/L	0.52	93.9	70	130			
Sodium	900	mg/L	0.62	92.8	70	130			
Sample ID: C05040335-001AMS3	Matrix Spike								04/13/05 15:21
Chloride	778	mg/L	1.0	105	70	130			
Sulfate	9300	mg/L	8.0	102	70	130			
Sample ID: C05040335-001AMSD1	Matrix Spike Duplicate								04/13/05 15:24
Potassium	494	mg/L	0.52	96.1	70	130	2.3	20	
Sodium	916	mg/L	0.62	96	70	130	1.8	20	
Sample ID: C05040335-001AMSD3	Matrix Spike Duplicate								04/13/05 16:09
Chloride	765	mg/L	1.0	102	70	130	1.7	20	
Sulfate	9160	mg/L	8.0	98.9	70	130	1.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 05/03/05
Work Order: C05040335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R48755		
Sample ID: LRB	Method Blank						04/11/05 10:56		
Aluminum	ND	mg/L	0.0002						
Cadmium	ND	mg/L	0.0002						
Cobalt	ND	mg/L	0.00003						
Lead	0.00002	mg/L	0.00002						
Molybdenum	0.0005	mg/L	0.00007						
Nickel	ND	mg/L	0.00008						
Uranium	ND	mg/L	0.00004						
Vanadium	ND	mg/L	0.00009						
Sample ID: C05040249-005CMS4	Post Digestion Spike						04/11/05 11:27		
Aluminum	2.45	mg/L	0.10	89.3	70	130			
Cadmium	2.40	mg/L	0.010	96	70	130			
Cobalt	2.51	mg/L	0.010	100	70	130			
Lead	2.68	mg/L	0.050	105	70	130			
Molybdenum	227	mg/L	0.10		70	130			A
Nickel	2.35	mg/L	0.050	92.9	70	130			
Uranium	134	mg/L	0.0018		70	130			A
Vanadium	3.01	mg/L	0.10	106	70	130			
Sample ID: C05040249-005CMSD4	Post Digestion Spike Dup						04/11/05 11:35		
Aluminum	2.70	mg/L	0.10	99.2	70	130	9.7	20	
Cadmium	2.51	mg/L	0.010	100	70	130	4.4	20	
Cobalt	2.62	mg/L	0.010	105	70	130	4.0	20	
Lead	2.74	mg/L	0.050	107	70	130	2.4	20	
Molybdenum	230	mg/L	0.10		70	130	1.4	20	A
Nickel	2.40	mg/L	0.050	94.9	70	130	2.1	20	
Uranium	137	mg/L	0.0018		70	130	2.6	20	A
Vanadium	3.08	mg/L	0.10	109	70	130	2.3	20	
Sample ID: C05040295-001CMS4	Post Digestion Spike						04/11/05 12:00		
Aluminum	0.049	mg/L	0.10	89.6	70	130			
Cadmium	0.049	mg/L	0.0010	98	70	130			
Cobalt	0.049	mg/L	0.010	98.2	70	130			
Lead	0.051	mg/L	0.0010	101	70	130			
Molybdenum	0.052	mg/L	0.10	99.4	70	130			
Nickel	0.048	mg/L	0.050	95.1	70	130			
Uranium	0.051	mg/L	0.00030	102	70	130			
Vanadium	0.051	mg/L	0.10	100	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 05/03/05

Work Order: C05040335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R48755
Sample ID: C05040295-001CMSD4 Post Digestion Spike Dup									04/11/05 12:38
Aluminum	0.050	mg/L	0.10	91.4	70	130	0	20	
Cadmium	0.049	mg/L	0.0010	97.9	70	130	0	20	
Cobalt	0.048	mg/L	0.010	96.6	70	130	1.6	20	
Lead	0.051	mg/L	0.0010	101	70	130	0.8	20	
Molybdenum	0.053	mg/L	0.10	101	70	130	0	20	
Nickel	0.047	mg/L	0.050	93.7	70	130	0	20	
Uranium	0.051	mg/L	0.00030	101	70	130	0.5	20	
Vanadium	0.051	mg/L	0.10	100	70	130	0	20	
Sample ID: C05040302-001CMS4 Post Digestion Spike									04/11/05 13:01
Aluminum	0.183	mg/L	0.10	82.4	70	130			
Cadmium	0.0419	mg/L	0.010	83.8	70	130			
Cobalt	0.0478	mg/L	0.010	95	70	130			
Lead	0.0524	mg/L	0.050	103	70	130			
Molybdenum	0.0527	mg/L	0.10	99.3	70	130			
Nickel	0.0448	mg/L	0.050	86.2	70	130			
Uranium	0.0548	mg/L	0.00030	109	70	130			
Vanadium	0.0510	mg/L	0.10	97.5	70	130			
Sample ID: C05040302-001CMSD4 Post Digestion Spike Dup									04/11/05 13:09
Aluminum	0.185	mg/L	0.10	86.4	70	130	1.1	20	
Cadmium	0.0418	mg/L	0.010	83.6	70	130	0.3	20	
Cobalt	0.0484	mg/L	0.010	96.2	70	130	1.3	20	
Lead	0.0525	mg/L	0.050	103	70	130	0.2	20	
Molybdenum	0.0528	mg/L	0.10	99.4	70	130	0	20	
Nickel	0.0456	mg/L	0.050	87.9	70	130	0	20	
Uranium	0.0551	mg/L	0.00030	109	70	130	0.4	20	
Vanadium	0.0521	mg/L	0.10	99.6	70	130	0	20	
Sample ID: C05040307-010CMS4 Post Digestion Spike									04/11/05 16:03
Aluminum	0.516	mg/L	0.10	102	70	130			
Cadmium	0.517	mg/L	0.010	103	70	130			
Cobalt	0.518	mg/L	0.010	101	70	130			
Lead	0.516	mg/L	0.050	103	70	130			
Molybdenum	0.514	mg/L	0.10	103	70	130			
Nickel	0.503	mg/L	0.050	99.6	70	130			
Uranium	0.522	mg/L	0.00035	104	70	130			
Vanadium	0.513	mg/L	0.10	102	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 05/03/05

Work Order: C05040335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R48755
Sample ID: C05040307-010CMSD4 Post Digestion Spike Dup									04/11/05 16:10
Aluminum	0.516	mg/L	0.10	102	70	130	0	20	
Cadmium	0.522	mg/L	0.010	104	70	130	1.0	20	
Cobalt	0.526	mg/L	0.010	103	70	130	1.5	20	
Lead	0.522	mg/L	0.050	104	70	130	1.3	20	
Molybdenum	0.529	mg/L	0.10	106	70	130	3.0	20	
Nickel	0.514	mg/L	0.050	102	70	130	2.2	20	
Uranium	0.532	mg/L	0.00035	106	70	130	1.7	20	
Vanadium	0.518	mg/L	0.10	103	70	130	1.0	20	
Sample ID: C05040326-003AMS4 Post Digestion Spike									04/11/05 19:48
Aluminum	0.0505	mg/L	0.10	92.7	70	130			
Cadmium	0.0457	mg/L	0.010	90.3	70	130			
Cobalt	0.0446	mg/L	0.010	87.6	70	130			
Lead	0.0496	mg/L	0.050	99.1	70	130			
Molybdenum	0.0497	mg/L	0.10	98	70	130			
Nickel	0.0542	mg/L	0.050	105	70	130			
Uranium	0.0545	mg/L	0.00030	106	70	130			
Vanadium	0.0499	mg/L	0.10	92.4	70	130			
Sample ID: C05040326-003AMS4 Post Digestion Spike Dup									04/11/05 19:55
Aluminum	0.0504	mg/L	0.10	92.4	70	130	0	20	
Cadmium	0.0437	mg/L	0.010	86.4	70	130	4.5	20	
Cobalt	0.0450	mg/L	0.010	88.4	70	130	0.8	20	
Lead	0.0491	mg/L	0.050	98.1	70	130	0	20	
Molybdenum	0.0468	mg/L	0.10	92.3	70	130	0	20	
Nickel	0.0563	mg/L	0.050	109	70	130	3.9	20	
Uranium	0.0530	mg/L	0.00030	103	70	130	2.8	20	
Vanadium	0.0484	mg/L	0.10	89.3	70	130	0	20	
Sample ID: C05040333-001AMS4 Post Digestion Spike									04/11/05 20:24
Aluminum	0.252	mg/L	0.10	93.4	70	130			
Cadmium	0.237	mg/L	0.010	94.8	70	130			
Cobalt	0.242	mg/L	0.010	94.7	70	130			
Lead	0.254	mg/L	0.050	100	70	130			
Molybdenum	0.249	mg/L	0.10	98.1	70	130			
Nickel	0.261	mg/L	0.050	98.2	70	130			
Uranium	0.479	mg/L	0.00030	105	70	130			
Vanadium	0.258	mg/L	0.10	99.5	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 05/03/05

Work Order: C05040335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R48755		
Sample ID: C05040333-001AMSD4 Post Digestion Spike Dup							04/11/05 20:32		
Aluminum	0.247	mg/L	0.10	91.3	70	130	2.0	20	
Cadmium	0.242	mg/L	0.010	96.8	70	130	2.1	20	
Cobalt	0.245	mg/L	0.010	95.8	70	130	1.1	20	
Lead	0.257	mg/L	0.050	101	70	130	1.2	20	
Molybdenum	0.254	mg/L	0.10	100	70	130	1.9	20	
Nickel	0.268	mg/L	0.050	101	70	130	2.7	20	
Uranium	0.484	mg/L	0.00030	108	70	130	1.1	20	
Vanadium	0.260	mg/L	0.10	100	70	130	0.7	20	
Sample ID: C05040333-011AMS4 Post Digestion Spike							04/11/05 23:12		
Aluminum	0.0661	mg/L	0.10	88.6	70	130			
Cadmium	0.0429	mg/L	0.010	84.7	70	130			
Cobalt	0.0565	mg/L	0.010	83.7	70	130			
Lead	0.0504	mg/L	0.050	100	70	130			
Molybdenum	0.0522	mg/L	0.10	99.4	70	130			
Nickel	0.106	mg/L	0.050	80.4	70	130			
Uranium	0.0880	mg/L	0.00030	110	70	130			
Vanadium	0.0488	mg/L	0.10	93.8	70	130			
Sample ID: C05040333-011AMSD4 Post Digestion Spike Dup							04/11/05 23:19		
Aluminum	0.0667	mg/L	0.10	89.7	70	130	0	20	
Cadmium	0.0428	mg/L	0.010	84.3	70	130	0.4	20	
Cobalt	0.0570	mg/L	0.010	84.8	70	130	0.9	20	
Lead	0.0508	mg/L	0.050	101	70	130	0.9	20	
Molybdenum	0.0523	mg/L	0.10	99.7	70	130	0	20	
Nickel	0.108	mg/L	0.050	84.6	70	130	2.0	20	
Uranium	0.0888	mg/L	0.00030	111	70	130	0.9	20	
Vanadium	0.0483	mg/L	0.10	92.8	70	130	0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 05/03/05

Work Order: C05040335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R48806		
Sample ID: LRB Method Blank							04/12/05 11:02		
Aluminum	ND	mg/L	0.0002						
Beryllium	ND	mg/L	0.00003						
Cadmium	ND	mg/L	0.0002						
Cobalt	ND	mg/L	0.00003						
Lead	0.0001	mg/L	0.00002						
Manganese	ND	mg/L	0.00003						
Molybdenum	0.0001	mg/L	0.00007						
Nickel	ND	mg/L	0.00008						
Uranium	ND	mg/L	0.00004						
Vanadium	ND	mg/L	0.00009						
Sample ID: C05040367-001AMS4 Post Digestion Spike							04/12/05 12:56		
Aluminum	0.586	mg/L	0.10	103	70	130			
Beryllium	0.479	mg/L	0.010	95.7	70	130			
Cadmium	0.518	mg/L	0.010	104	70	130			
Cobalt	0.521	mg/L	0.010	103	70	130			
Lead	0.537	mg/L	0.050	107	70	130			
Manganese	0.582	mg/L	0.010	104	70	130			
Molybdenum	0.538	mg/L	0.10	107	70	130			
Nickel	0.520	mg/L	0.050	100	70	130			
Uranium	7.46	mg/L	0.00035		70	130			A
Vanadium	0.782	mg/L	0.10	104	70	130			
Sample ID: C05040367-001AMSD4 Post Digestion Spike Dup							04/12/05 13:04		
Aluminum	0.628	mg/L	0.10	111	70	130	6.8	20	
Beryllium	0.515	mg/L	0.010	103	70	130	7.4	20	
Cadmium	0.544	mg/L	0.010	109	70	130	4.9	20	
Cobalt	0.557	mg/L	0.010	111	70	130	6.8	20	
Lead	0.571	mg/L	0.050	114	70	130	6.2	20	
Manganese	0.623	mg/L	0.010	112	70	130	6.9	20	
Molybdenum	0.560	mg/L	0.10	111	70	130	3.9	20	
Nickel	0.544	mg/L	0.050	105	70	130	4.5	20	
Uranium	7.47	mg/L	0.00035		70	130	0.1	20	A
Vanadium	0.839	mg/L	0.10	115	70	130	7.0	20	
Sample ID: C05040333-014AMS4 Post Digestion Spike							04/12/05 15:21		
Aluminum	0.292	mg/L	0.10	96.1	70	130			
Beryllium	0.219	mg/L	0.010	87.8	70	130			
Cadmium	0.250	mg/L	0.010	99.6	70	130			
Cobalt	0.269	mg/L	0.010	104	70	130			
Lead	0.281	mg/L	0.050	108	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 05/03/05

Work Order: C05040335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R48806		
Sample ID: C05040333-014AMS4	Post Digestion Spike								04/12/05 15:21
Manganese	2.31	mg/L	0.010		70	130			A
Molybdenum	0.276	mg/L	0.10	110	70	130			
Nickel	0.267	mg/L	0.050	102	70	130			
Uranium	0.328	mg/L	0.00030	92.6	70	130			
Vanadium	0.281	mg/L	0.10	108	70	130			
Sample ID: C05040333-014AMSD4	Post Digestion Spike Dup								04/12/05 15:29
Aluminum	0.291	mg/L	0.10	95.7	70	130	0.3	20	
Beryllium	0.219	mg/L	0.010	87.7	70	130	0	20	
Cadmium	0.249	mg/L	0.010	99.3	70	130	0.3	20	
Cobalt	0.266	mg/L	0.010	103	70	130	1.1	20	
Lead	0.280	mg/L	0.050	108	70	130	0.3	20	
Manganese	2.29	mg/L	0.010		70	130	0.9	20	A
Molybdenum	0.281	mg/L	0.10	112	70	130	1.6	20	
Nickel	0.268	mg/L	0.050	102	70	130	0.2	20	
Uranium	0.328	mg/L	0.00030	92.8	70	130	0.2	20	
Vanadium	0.279	mg/L	0.10	107	70	130	0.7	20	
Sample ID: C05040354-001CMS4	Post Digestion Spike								04/12/05 19:14
Aluminum	0.734	mg/L	0.10	93.1	70	130			
Beryllium	0.494	mg/L	0.010	98.9	70	130			
Cadmium	0.502	mg/L	0.010	100	70	130			
Cobalt	0.496	mg/L	0.010	99.1	70	130			
Lead	0.522	mg/L	0.050	102	70	130			
Manganese	0.517	mg/L	0.010	98.7	70	130			
Molybdenum	0.537	mg/L	0.10	107	70	130			
Nickel	0.485	mg/L	0.050	96.7	70	130			
Uranium	0.537	mg/L	0.00035	107	70	130			
Vanadium	0.528	mg/L	0.10	104	70	130			
Sample ID: C05040354-001CMSD4	Post Digestion Spike Dup								04/12/05 19:22
Aluminum	0.715	mg/L	0.10	89.3	70	130	2.6	20	
Beryllium	0.495	mg/L	0.010	99.1	70	130	0.2	20	
Cadmium	0.496	mg/L	0.010	98.8	70	130	1.2	20	
Cobalt	0.504	mg/L	0.010	101	70	130	1.7	20	
Lead	0.531	mg/L	0.050	104	70	130	1.8	20	
Manganese	0.525	mg/L	0.010	100	70	130	1.7	20	
Molybdenum	0.540	mg/L	0.10	108	70	130	0.6	20	
Nickel	0.496	mg/L	0.050	98.7	70	130	2.1	20	
Uranium	0.546	mg/L	0.00035	109	70	130	1.7	20	
Vanadium	0.533	mg/L	0.10	105	70	130	1.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 05/03/05

Work Order: C05040335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2		Batch: A2005-04-13_1_NO3_01							
Sample ID: MBLK-1	Method Blank								04/13/05 10:19
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: MBLK-17	Method Blank								04/13/05 11:02
Nitrogen, Nitrate+Nitrite as N	0.04	mg/L	0.03						
Sample ID: C05040417-001BMS	Matrix Spike								04/13/05 11:22
Nitrogen, Nitrate+Nitrite as N	2.28	mg/L	0.10	92.5	90	110			
Sample ID: C05040417-001BMSD	Matrix Spike Duplicate								04/13/05 11:24
Nitrogen, Nitrate+Nitrite as N	2.33	mg/L	0.10	95	90	110	2.2	10	
Sample ID: MBLK-32	Method Blank								04/13/05 11:44
Nitrogen, Nitrate+Nitrite as N	0.07	mg/L	0.03						
Sample ID: C05040424-004CMS	Matrix Spike								04/13/05 12:02
Nitrogen, Nitrate+Nitrite as N	1.92	mg/L	0.10	93.5	90	110			
Sample ID: C05040424-004CMSD	Matrix Spike Duplicate								04/13/05 12:04
Nitrogen, Nitrate+Nitrite as N	1.96	mg/L	0.10	95.5	90	110	2.1	10	
Sample ID: MBLK-48	Method Blank								04/13/05 12:24
Nitrogen, Nitrate+Nitrite as N	0.04	mg/L	0.03						
Sample ID: C05040452-004EMS	Matrix Spike								04/13/05 12:39
Nitrogen, Nitrate+Nitrite as N	1.92	mg/L	0.10	94.5	90	110			
Sample ID: C05040452-004EMSD	Matrix Spike Duplicate								04/13/05 12:42
Nitrogen, Nitrate+Nitrite as N	1.92	mg/L	0.10	94.5	90	110	0	10	
Sample ID: MBLK-63	Method Blank								04/13/05 13:02
Nitrogen, Nitrate+Nitrite as N	0.04	mg/L	0.03						
Sample ID: C05040481-002AMS	Matrix Spike								04/13/05 13:17
Nitrogen, Nitrate+Nitrite as N	3.01	mg/L	0.10	106	90	110			
Sample ID: C05040481-002AMSD	Matrix Spike Duplicate								04/13/05 13:19
Nitrogen, Nitrate+Nitrite as N	3.05	mg/L	0.10	108	90	110	1.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 05/03/05

Work Order: C05040335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							Batch: R48795		
Sample ID: 11-Apr-05_LCS_3	Laboratory Control Spike		04/11/05 09:06						
Chloroform	4.44	ug/L	1.0	88.8	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	102	80	120			
Surr: Dibromofluoromethane			1.0	96.8	70	130			
Surr: p-Bromofluorobenzene			1.0	101	75	125			
Surr: Toluene-d8			1.0	98.4	80	120			
Sample ID: 11-Apr-05_MBLK_6	Method Blank		04/11/05 11:02						
Chloroform	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			0.5	103	80	120			
Surr: Dibromofluoromethane			0.5	100	70	130			
Surr: p-Bromofluorobenzene			0.5	103	75	125			
Surr: Toluene-d8			0.5	98	80	120			
Sample ID: C05040334-001EMS	Matrix Spike		04/11/05 18:46						
Chloroform	204	ug/L	2.5	126	70	130			
Surr: 1,2-Dichlorobenzene-d4			2.5	106	80	120			
Surr: Dibromofluoromethane			2.5	108	70	130			
Surr: p-Bromofluorobenzene			2.5	107	75	125			
Surr: Toluene-d8			2.5	96	80	120			
Sample ID: C05040334-001EMSD	Matrix Spike Duplicate		04/11/05 19:23						
Chloroform	191	ug/L	2.5	100	70	130	6.6	20	
Surr: 1,2-Dichlorobenzene-d4			2.5	104	80	120	0	10	
Surr: Dibromofluoromethane			2.5	102	70	130	0	10	
Surr: p-Bromofluorobenzene			2.5	107	75	125	0	10	
Surr: Toluene-d8			2.5	98	80	120	0	10	
Sample ID: C05040335-002EMS	Matrix Spike		04/12/05 03:38						
Chloroform	222	ug/L	2.5	130	70	130			
Surr: 1,2-Dichlorobenzene-d4			2.5	106	80	120			
Surr: Dibromofluoromethane			2.5	108	70	130			
Surr: p-Bromofluorobenzene			2.5	107	75	125			
Surr: Toluene-d8			2.5	95.6	80	120			
Sample ID: C05040335-002EMSD	Matrix Spike Duplicate		04/12/05 04:17						
Chloroform	220	ug/L	2.5	126	70	130	0.9	20	
Surr: 1,2-Dichlorobenzene-d4			2.5	102	80	120	0	10	
Surr: Dibromofluoromethane			2.5	107	70	130	0	10	
Surr: p-Bromofluorobenzene			2.5	108	75	125	0	10	
Surr: Toluene-d8			2.5	94	80	120	0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 05/03/05
Work Order: C05040335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1 Batch: R49506									
Sample ID: C05040347-0011	Sample Duplicate								04/21/05 16:00
Gross Alpha minus Rn & U	ND	pCi/L	1.0				0	30	
Sample ID: C05040347-0021 Matrix Spike 04/21/05 16:00									
Gross Alpha minus Rn & U	40.2	pCi/L	1.0	107	70	130			
Sample ID: MB-R49506 Method Blank 04/21/05 16:00									
Gross Alpha minus Rn & U	ND	pCi/L	1						
Sample ID: LCS-R49506 Laboratory Control Spike 04/21/05 16:00									
Gross Alpha minus Rn & U	41.0	pCi/L	1.0	109	70	130			
Method: E903.0 Batch: RA226-0980									
Sample ID: C05040331-001AMS	Matrix Spike								04/12/05 14:40
Radium 226	28	pCi/L	0.20	94.9	70	130			
Sample ID: C05040331-001AMSD Matrix Spike Duplicate 04/12/05 14:40									
Radium 226	29	pCi/L	0.20	97.8	70	130	2.5	25.3	
Sample ID: MB-RA226-0980 Method Blank 04/12/05 14:40									
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-0980 Laboratory Control Spike 04/12/05 14:40									
Radium 226	15	pCi/L	0.20	101	70	130			
Method: E904.0 Batch: RA228-0849									
Sample ID: LCS-228-RA226-0980 Laboratory Control Spike 04/12/05 14:40									
Radium 228	8.8	pCi/L	1.0	88.7	70	130			
Sample ID: MB-RA226-0980 Method Blank 04/12/05 14:40									
Radium 228	ND	pCi/L	1						
Sample ID: C05040331-001AMS Matrix Spike 04/12/05 14:40									
Radium 228	17	pCi/L	1.0	81	70	130			
Sample ID: C05040331-001AMSD Matrix Spike Duplicate 04/12/05 14:40									
Radium 228	20	pCi/L	1.0	97.9	70	130	15	33.1	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 05/03/05

Work Order: C05040335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: R49002
Sample ID: C05040335-003AMS	Matrix Spike								04/12/05 10:30
Thorium 230	111	pCi/L	0.20	88.3	70	130			
Sample ID: C05040335-003AMSD	Matrix Spike Duplicate								04/12/05 10:30
Thorium 230	123	pCi/L	0.20	98.6	70	130	11	30	
Method: NERHL-65-4									Batch: 05PB-14
Sample ID: 210	Laboratory Control Spike								04/18/05 17:50
Lead 210	85	pCi/L	1.0	98.2	70	130			
Sample ID: C05040334-001A	Sample Duplicate								04/18/05 17:50
Lead 210	ND	pCi/L	1.0		70	130	0	30	
Sample ID: C05040335-002A	Matrix Spike								04/18/05 17:50
Lead 210	210	pCi/L	1.0	96.3	70	130			
Sample ID: MB	Method Blank								04/18/05 17:50
Lead 210	ND	pCi/L	1						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

ANALYTICAL SUMMARY REPORT

May 09, 2005

Max Chischilly
United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C05040662

Quote ID: C129 - Quarterly Long List

Project Name: Zone 1

Energy Laboratories Inc. received the following 7 samples from United Nuclear Corp on 4/15/2005 for analysis.

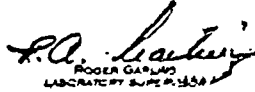
Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C05040662-001	TWQ-142	04/12/05 9:35	04/15/05	Aqueous	Metals by ICP/ICPMS, Total Alkalinity QA Calculations Arsenic-III, Total Selenium-IV, Total Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved E624 Purgeable Organics
C05040662-002	EPA-2	04/12/05 14:05	04/15/05	Aqueous	Same As Above
C05040662-003	EPA-2 Duplicate	04/12/05 14:32	04/15/05	Aqueous	Same As Above
C05040662-004	EPA-7	04/12/05 15:10	04/15/05	Aqueous	Same As Above
C05040662-005	EPA-4	04/12/05 9:10	04/15/05	Aqueous	Same As Above
C05040662-006	EPA-5	04/12/05 10:20	04/15/05	Aqueous	Same As Above
C05040662-007	Field Blank	04/12/05 11:05	04/15/05	Aqueous	Metals by ICP/ICPMS, Total Alkalinity Arsenic-III, Total Selenium-IV, Total Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved E624 Purgeable Organics



There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative or Report.

If you have any questions regarding these tests results, please call.

Report Approved By:



R.A. Lachar
ROGER GARDNER
LABORATORY SUPERVISOR



QA/QC Summary Report

Client: United Nuclear Corp

Report Date: 05/09/05

Project: Zone 1

Work Order: C05040662

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B							Batch: 050421_1_ALK-W		
Sample ID: MBLK1_050421_1	Method Blank								04/21/05 17:14
Bicarbonate as HCO ₃	ND	mg/L	1						
Sample ID: MBLK2_050421_1	Method Blank								04/21/05 21:37
Bicarbonate as HCO ₃	ND	mg/L	1						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 05/09/05

Work Order: C05040662

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C			Batch: 050418A-SLDS-TDS-W						
Sample ID: LCS1_050418A	Laboratory Control Spike								04/18/05 11:59
Solids, Total Dissolved TDS @ 180 C	998	mg/L	10	99.8	90	110			
Sample ID: MBLK1_050418A	Method Blank								04/18/05 12:00
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05040662-007BMS	Matrix Spike								04/18/05 15:16
Solids, Total Dissolved TDS @ 180 C	10100	mg/L	10	101	90	110			
Sample ID: C05040662-007BMSD	Matrix Spike Duplicate								04/18/05 15:17
Solids, Total Dissolved TDS @ 180 C	10100	mg/L	10	101	90	110	0.5	10	
Sample ID: C05040663-010BDUP	Sample Duplicate								04/18/05 15:21
Solids, Total Dissolved TDS @ 180 C	4650	mg/L	10				1.3	10	
Sample ID: C05040663-010BMS	Matrix Spike								04/18/05 15:21
Solids, Total Dissolved TDS @ 180 C	24900	mg/L	10	102	90	110			
Sample ID: C05040663-010BMSD	Matrix Spike Duplicate								04/18/05 15:21
Solids, Total Dissolved TDS @ 180 C	24500	mg/L	10	99.7	90	110	1.5	10	
Sample ID: LCS2_050418A	Laboratory Control Spike								04/18/05 15:22
Solids, Total Dissolved TDS @ 180 C	991	mg/L	10	99.1	90	110			
Sample ID: MBLK2_050418A	Method Blank								04/18/05 15:33
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05040679-003BMS	Matrix Spike								04/18/05 15:38
Solids, Total Dissolved TDS @ 180 C	11600	mg/L	10	101	90	110			
Sample ID: C05040679-003BMSD	Matrix Spike Duplicate								04/18/05 15:39
Solids, Total Dissolved TDS @ 180 C	11500	mg/L	10	100	90	110	0.5	10	
Sample ID: C05040681-002CDUP	Sample Duplicate								04/18/05 15:42
Solids, Total Dissolved TDS @ 180 C	8500	mg/L	10				0.4	10	
Sample ID: C05040681-002CMS	Matrix Spike								04/18/05 15:43
Solids, Total Dissolved TDS @ 180 C	110000	mg/L	10	102	90	110			
Sample ID: C05040681-002CMSD	Matrix Spike Duplicate								04/18/05 15:43
Solids, Total Dissolved TDS @ 180 C	110000	mg/L	10	101	90	110	0.5	10	
Sample ID: LCS3_050418A	Laboratory Control Spike								04/18/05 15:44
Solids, Total Dissolved TDS @ 180 C	1000	mg/L	10	100	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 05/09/05

Work Order: C05040662

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: ASIII3114-050418		
Sample ID: MBLK	Method Blank								04/18/05 10:42
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05040662-001AMS	Matrix Spike								04/18/05 11:04
Arsenic-III	0.0459	mg/L	0.0010	90.7	85	115			
Sample ID: C05040662-001AMSD	Matrix Spike Duplicate								04/18/05 11:06
Arsenic-III	0.0485	mg/L	0.0010	95.8	85	115	5.4	10	
Sample ID: C265-47-4	Laboratory Control Spike								04/18/05 11:08
Arsenic-III	0.0486	mg/L	0.0010	97.1	90	110			
Sample ID: MBLK	Method Blank								04/18/05 11:14
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05040663-004AMS	Matrix Spike								04/18/05 11:40
Arsenic-III	0.0488	mg/L	0.0010	97.6	85	115			
Sample ID: C05040663-004AMSD	Matrix Spike Duplicate								04/18/05 11:42
Arsenic-III	0.0496	mg/L	0.0010	99.2	85	115	1.6	10	
Sample ID: C265-47-4	Laboratory Control Spike								04/18/05 11:44
Arsenic-III	0.0488	mg/L	0.0010	97.6	90	110			
Sample ID: MBLK	Method Blank								04/18/05 11:50
Arsenic-III	ND	mg/L	0.0005						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 05/09/05

Work Order: C05040662

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: SEIV3114-050418		
Sample ID: MBLK Selenium-IV	Method Blank ND	mg/L	0.0002						04/18/05 14:23
Sample ID: C05040662-001AMS Selenium-IV	Matrix Spike 0.0501	mg/L	0.0010	100	85	115			04/18/05 14:45
Sample ID: C05040662-001AMSD Selenium-IV	Matrix Spike Duplicate 0.0498	mg/L	0.0010	99.6	85	115	0.5		04/18/05 14:47 10
Sample ID: C265-47-4 Selenium-IV	Laboratory Control Spike 0.0495	mg/L	0.0010	99.1	90	110			04/18/05 14:49
Sample ID: MBLK Selenium-IV	Method Blank ND	mg/L	0.0002						04/18/05 14:54
Sample ID: C05040663-004AMS Selenium-IV	Matrix Spike 0.0495	mg/L	0.0010	99.1	85	115			04/18/05 15:49
Sample ID: C05040663-004AMSD Selenium-IV	Matrix Spike Duplicate 0.0500	mg/L	0.0010	100	85	115	0.9		04/18/05 15:50 10
Sample ID: C265-47-4 Selenium-IV	Laboratory Control Spike 0.0485	mg/L	0.0010	97.1	90	110			04/18/05 15:52
Sample ID: MBLK Selenium-IV	Method Blank ND	mg/L	0.0002						04/18/05 15:56
Method: A4500-H B							Batch: PHSC050418A		
Sample ID: C05040662-006BDUP pH	Sample Duplicate 6.29	s.u.	0.010				0		04/18/05 13:47 10
Sample ID: C05040663-009BDUP pH	Sample Duplicate 3.73	s.u.	0.010				0		04/18/05 14:22 10
Sample ID: C05040682-002ADUP pH	Sample Duplicate 7.50	s.u.	0.010				0.3		04/18/05 14:44 10

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Report Date: 05/09/05

Project: Zone 1

Work Order: C05040662

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G			Batch: A2005-04-18_1_NH3_02						
Sample ID: MBLK-1	Method Blank								04/18/05 12:56
Nitrogen, Ammonia as N	0.03	mg/L	0.02						
Sample ID: C05040438-002BMS	Matrix Spike								04/18/05 13:11
Nitrogen, Ammonia as N	2.05	mg/L	0.050	103	80	120			
Sample ID: C05040438-002BMSD	Matrix Spike Duplicate								04/18/05 13:13
Nitrogen, Ammonia as N	2.06	mg/L	0.050	103	80	120	0.5	20	
Sample ID: MBLK-17	Method Blank								04/18/05 13:29
Nitrogen, Ammonia as N	0.04	mg/L	0.02						
Sample ID: C05040551-001BMS	Matrix Spike								04/18/05 13:41
Nitrogen, Ammonia as N	2.37	mg/L	0.050	110	80	120			
Sample ID: C05040551-001BMSD	Matrix Spike Duplicate								04/18/05 13:43
Nitrogen, Ammonia as N	2.41	mg/L	0.050	112	80	120	1.7	20	
Sample ID: MBLK-32	Method Blank								04/18/05 13:59
Nitrogen, Ammonia as N	0.04	mg/L	0.02						
Sample ID: C05040638-001CMS	Matrix Spike								04/18/05 14:13
Nitrogen, Ammonia as N	1.87	mg/L	0.050	93.5	80	120			
Sample ID: C05040638-001CMSD	Matrix Spike Duplicate								04/18/05 14:15
Nitrogen, Ammonia as N	1.89	mg/L	0.050	94.5	80	120	1.1	20	
Sample ID: MBLK-48	Method Blank								04/18/05 14:31
Nitrogen, Ammonia as N	0.04	mg/L	0.02						
Sample ID: C05040662-005DMS	Matrix Spike								04/18/05 14:43
Nitrogen, Ammonia as N	3.18	mg/L	0.050	117	80	120			
Sample ID: C05040662-005DMSD	Matrix Spike Duplicate								04/18/05 14:45
Nitrogen, Ammonia as N	3.10	mg/L	0.050	113	80	120	2.5	20	
Sample ID: MBLK-63	Method Blank								04/18/05 15:01
Nitrogen, Ammonia as N	0.03	mg/L	0.02						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 05/09/05

Work Order: C05040662

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R49295		
Sample ID: C05040662-001AMS1	Matrix Spike								04/25/05 08:10
Calcium	539	mg/L	0.57	103	70	130			
Magnesium	510	mg/L	0.53	100	70	130			
Potassium	476	mg/L	0.52	94.4	70	130			
Sodium	818	mg/L	0.62	99	70	130			
Sample ID: C05040662-001AMS2	Matrix Spike								04/25/05 08:13
Aluminum	9.65	mg/L	0.10	96	70	130			
Beryllium	9.62	mg/L	0.010	96.2	70	130			
Cobalt	9.80	mg/L	0.11	98	70	130			
Manganese	9.74	mg/L	0.010	97.3	70	130			
Molybdenum	9.45	mg/L	0.79	94.5	70	130			
Vanadium	9.74	mg/L	0.10	97.4	70	130			
Sample ID: C05040662-001AMS3	Matrix Spike								04/25/05 08:16
Chloride	961	mg/L	1.0	95.3	70	130			
Sulfate	1540	mg/L	8.0	98.2	70	130			
Sample ID: C05040662-001AMSD1	Matrix Spike Duplicate								04/25/05 08:19
Calcium	543	mg/L	0.57	104	70	130	0.7	20	
Magnesium	515	mg/L	0.53	101	70	130	1.0	20	
Potassium	480	mg/L	0.52	95.1	70	130	0.8	20	
Sodium	814	mg/L	0.62	98.2	70	130	0.5	20	
Sample ID: C05040662-001AMSD2	Matrix Spike Duplicate								04/25/05 08:22
Aluminum	9.89	mg/L	0.10	98.4	70	130	2.5	20	
Beryllium	9.81	mg/L	0.010	98.1	70	130	2.0	20	
Cobalt	10.1	mg/L	0.11	101	70	130	2.5	20	
Manganese	9.98	mg/L	0.010	99.7	70	130	2.4	20	
Molybdenum	9.48	mg/L	0.79	94.8	70	130	0.3	20	
Vanadium	9.90	mg/L	0.10	99	70	130	1.6	20	
Sample ID: C05040662-001AMSD3	Matrix Spike Duplicate								04/25/05 08:25
Chloride	931	mg/L	1.0	92.3	70	130	3.2	20	
Sulfate	1530	mg/L	8.0	96.6	70	130	1.0	20	
Sample ID: C05040662-007AMS1	Matrix Spike								04/25/05 09:39
Calcium	50.1	mg/L	0.50	100	70	130			
Magnesium	49.9	mg/L	0.50	99.5	70	130			
Potassium	46.8	mg/L	0.50	93.5	70	130			
Sodium	51.7	mg/L	0.50	98.3	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 05/09/05
Work Order: C05040662

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R49295		
Sample ID: C05040662-007AMS2	Matrix Spike								04/25/05 09:43
Aluminum	1.00	mg/L	0.10	100	70	130			
Beryllium	1.01	mg/L	0.010	101	70	130			
Cobalt	1.00	mg/L	0.011	100	70	130			
Manganese	1.01	mg/L	0.010	101	70	130			
Molybdenum	0.973	mg/L	0.10	97.3	70	130			
Vanadium	1.01	mg/L	0.10	101	70	130			
Sample ID: C05040662-007AMS3	Matrix Spike								04/25/05 09:46
Chloride	94.5	mg/L	1.0	94.2	70	130			
Sulfate	98.2	mg/L	1.0	96.9	70	130			
Sample ID: C05040662-007AMSD1	Matrix Spike Duplicate								04/25/05 09:49
Calcium	50.3	mg/L	0.50	100	70	130	0.4	20	
Magnesium	49.9	mg/L	0.50	99.5	70	130	0	20	
Potassium	46.8	mg/L	0.50	93.6	70	130	0.1	20	
Sodium	52.0	mg/L	0.50	98.9	70	130	0.6	20	
Sample ID: C05040662-007AMSD2	Matrix Spike Duplicate								04/25/05 09:52
Aluminum	0.954	mg/L	0.10	95.4	70	130	4.7	20	
Beryllium	0.962	mg/L	0.010	96.2	70	130	4.8	20	
Cobalt	0.957	mg/L	0.011	95.7	70	130	4.5	20	
Manganese	0.961	mg/L	0.010	96	70	130	4.7	20	
Molybdenum	0.945	mg/L	0.10	94.5	70	130	2.9	20	
Vanadium	0.958	mg/L	0.10	95.8	70	130	5.2	20	
Sample ID: C05040662-007AMSD3	Matrix Spike Duplicate								04/25/05 09:55
Chloride	94.5	mg/L	1.0	94.2	70	130	0	20	
Sulfate	97.4	mg/L	1.0	96.1	70	130	0.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 05/09/05
Work Order: C05040662

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R49592
Sample ID: LRB	Method Blank								05/02/05 11:12
Beryllium	ND	mg/L	0.00003						
Cadmium	ND	mg/L	0.0002						
Cobalt	ND	mg/L	0.00003						
Lead	ND	mg/L	0.00002						
Nickel	ND	mg/L	0.00008						
Uranium	ND	mg/L	0.00004						
Sample ID: C05040662-001AMS4	Post Digestion Spike								05/02/05 19:50
Beryllium	0.0482	mg/L	0.010	96.4	70	130			
Cadmium	0.0480	mg/L	0.010	96	70	130			
Cobalt	0.0489	mg/L	0.010	97.6	70	130			
Lead	0.0528	mg/L	0.050	105	70	130			
Nickel	0.0484	mg/L	0.050	94.8	70	130			
Uranium	0.0534	mg/L	0.00030	106	70	130			
Sample ID: C05040662-001AMSD4	Post Digestion Spike Dup								05/02/05 19:58
Beryllium	0.0468	mg/L	0.010	93.7	70	130	2.9	20	
Cadmium	0.0476	mg/L	0.010	95.2	70	130	0.9	20	
Cobalt	0.0490	mg/L	0.010	97.8	70	130	0.3	20	
Lead	0.0519	mg/L	0.050	103	70	130	1.6	20	
Nickel	0.0479	mg/L	0.050	93.7	70	130	0	20	
Uranium	0.0534	mg/L	0.00030	106	70	130	0	20	
Sample ID: C05040663-005AMS4	Post Digestion Spike								05/02/05 23:58
Beryllium	0.259	mg/L	0.010	103	70	130			
Cadmium	0.252	mg/L	0.010	101	70	130			
Cobalt	0.414	mg/L	0.010	99.5	70	130			
Lead	0.264	mg/L	0.050	105	70	130			
Nickel	0.465	mg/L	0.050	100	70	130			
Uranium	0.308	mg/L	0.00030	106	70	130			
Sample ID: C05040663-005AMSD4	Post Digestion Spike Dup								05/03/05 00:05
Beryllium	0.269	mg/L	0.010	108	70	130	4.0	20	
Cadmium	0.253	mg/L	0.010	101	70	130	0	20	
Cobalt	0.420	mg/L	0.010	102	70	130	1.4	20	
Lead	0.265	mg/L	0.050	106	70	130	0.5	20	
Nickel	0.467	mg/L	0.050	101	70	130	0.5	20	
Uranium	0.313	mg/L	0.00030	108	70	130	1.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 05/09/05

Work Order: C05040662

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2							Batch: A2005-04-19_1_NO3_02		
Sample ID: MBLK-1	Method Blank								04/19/05 12:26
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05040608-005BMDS	Matrix Spike Duplicate								04/19/05 12:46
Nitrogen, Nitrate+Nitrite as N	1.93	mg/L	0.10	96.5	90	110			
Sample ID: C05040608-005BMS	Matrix Spike								04/19/05 12:56
Nitrogen, Nitrate+Nitrite as N	1.85	mg/L	0.10	92.5	90	110			
Sample ID: MBLK-17	Method Blank								04/19/05 13:08
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05040635-007CMS	Matrix Spike								04/19/05 13:23
Nitrogen, Nitrate+Nitrite as N	3.09	mg/L	0.10	99.5	90	110			
Sample ID: C05040635-007CMSD	Matrix Spike Duplicate								04/19/05 13:26
Nitrogen, Nitrate+Nitrite as N	2.95	mg/L	0.10	92.5	90	110	4.6	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 05/09/05

Work Order: C05040662

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2			Batch: A2005-04-20_1_NO3_01						
Sample ID: MBLK-1	Method Blank								04/20/05 09:05
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05040782-004CMS	Matrix Spike								04/20/05 09:22
Nitrogen, Nitrate+Nitrite as N	1.90	mg/L	0.10	95	90	110			
Sample ID: C05040782-004CMSD	Matrix Spike Duplicate								04/20/05 09:25
Nitrogen, Nitrate+Nitrite as N	1.99	mg/L	0.10	99.5	90	110	4.6	10	
Sample ID: MBLK-17	Method Blank								04/20/05 09:45
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05040740-002CMS	Matrix Spike								04/20/05 10:00
Nitrogen, Nitrate+Nitrite as N	2.13	mg/L	0.10	96.5	90	110			
Sample ID: C05040740-002CMSD	Matrix Spike Duplicate								04/20/05 10:02
Nitrogen, Nitrate+Nitrite as N	2.28	mg/L	0.10	104	90	110	6.8	10	
Sample ID: MBLK-32	Method Blank								04/20/05 10:25
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05040740-009CMS	Matrix Spike								04/20/05 10:35
Nitrogen, Nitrate+Nitrite as N	11.6	mg/L	0.15	97.7	90	110			
Sample ID: C05040740-009CMSD	Matrix Spike Duplicate								04/20/05 10:37
Nitrogen, Nitrate+Nitrite as N	11.4	mg/L	0.15	92.7	90	110	1.7	10	
Sample ID: MBLK-48	Method Blank								04/20/05 11:05
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05040679-001DMS	Matrix Spike								04/20/05 11:34
Nitrogen, Nitrate+Nitrite as N	0.940	mg/L	0.10	94	90	110			
Sample ID: C05040679-001DMSD	Matrix Spike Duplicate								04/20/05 11:37
Nitrogen, Nitrate+Nitrite as N	0.970	mg/L	0.10	97	90	110	3.1	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 05/09/05

Work Order: C05040662

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							Batch: R49029		
Sample ID: 18-Apr-05_LCS_3	Laboratory Control Spike						04/18/05 11:04		
Chloroform	5.00	ug/L	1.0	100	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	98.8	80	120			
Surr: Dibromofluoromethane			1.0	90	70	130			
Surr: p-Bromofluorobenzene			1.0	92	75	125			
Surr: Toluene-d8			1.0	105	80	120			
Sample ID: 18-Apr-05_MBLK_6	Method Blank						04/18/05 14:20		
Chloroform	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			0.5	100	80	120			
Surr: Dibromofluoromethane			0.5	92	70	130			
Surr: p-Bromofluorobenzene			0.5	91.2	75	125			
Surr: Toluene-d8			0.5	101	80	120			
Sample ID: C05040663-010EMS	Matrix Spike						04/19/05 06:41		
Chloroform	95.2	ug/L	5.0	95.2	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	99.6	80	120			
Surr: Dibromofluoromethane			5.0	117	70	130			
Surr: p-Bromofluorobenzene			5.0	96.8	75	125			
Surr: Toluene-d8			5.0	90.8	80	120			
Sample ID: C05040663-010EMSD	Matrix Spike Duplicate						04/19/05 07:23		
Chloroform	98.4	ug/L	5.0	98.4	70	130	3.3	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	98.8	80	120	0	10	
Surr: Dibromofluoromethane			5.0	113	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	95.6	75	125	0	10	
Surr: Toluene-d8			5.0	92	80	120	0	10	
Method: E900.1							Batch: R49568		
Sample ID: C05040598-001I	Sample Duplicate						04/26/05 15:50		
Gross Alpha minus Rn & U	ND	pCi/L	1.0				0	30	
Sample ID: C05040598-001I	Matrix Spike						04/26/05 15:50		
Gross Alpha minus Rn & U	42.3	pCi/L	1.0	108	70	130			
Sample ID: MB-R49568	Method Blank						04/26/05 15:50		
Gross Alpha minus Rn & U	ND	pCi/L	1						
Sample ID: LCS-R49568	Laboratory Control Spike						04/26/05 15:50		
Gross Alpha minus Rn & U	43.8	pCi/L	1.0	116	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 05/09/05
Work Order: C05040662

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0							Batch: RA226-1000		
Sample ID: C05040671-003KMS	Matrix Spike								04/22/05 14:25
Radium 226	25	pCi/L	0.20	95.4	70	130			
Sample ID: C05040671-003KMSD	Matrix Spike Duplicate								04/22/05 14:25
Radium 226	23	pCi/L	0.20	86.6	70	130	9.4	28.1	
Sample ID: MB-RA226-1000	Method Blank								04/22/05 14:25
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-1000	Laboratory Control Spike								04/22/05 14:25
Radium 226	13	pCi/L	0.20	87.7	70	130			
Method: E904.0							Batch: RA228-0859		
Sample ID: LCS-228-RA226-1000	Laboratory Control Spike								04/22/05 14:25
Radium 228	8.8	pCi/L	1.0	88.8	70	130			
Sample ID: MB-RA226-1000	Method Blank								04/22/05 14:25
Radium 228	ND	pCi/L	1						
Sample ID: C05040671-004KMS	Matrix Spike								04/22/05 14:25
Radium 228	14	pCi/L	1.0	87.7	70	130			
Sample ID: C05040671-004KMSD	Matrix Spike Duplicate								04/22/05 14:25
Radium 228	18	pCi/L	1.0	107	70	130	20	39.7	
Method: E907.0							Batch: R49478		
Sample ID: MB-R49478	Method Blank								04/25/05 10:30
Thorium 230	ND	pCi/L	0.2						
Sample ID: LCS-R49478	Laboratory Control Spike								04/25/05 10:30
Thorium 230	23.4	pCi/L	0.20	93.6	70	130			
Sample ID: C05040631-003AMS	Matrix Spike								04/25/05 10:30
Thorium 230	66.9	pCi/L	0.20	80	70	130			
Sample ID: C05040631-003AMSD	Matrix Spike Duplicate								04/25/05 10:30
Thorium 230	68.8	pCi/L	0.20	82.6	70	130	2.8	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 05/09/05

Work Order: C05040662

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: . NERHL-65-4								Batch: 05PB-17	
Sample ID: 210	Laboratory Control Spike								05/02/05 14:26
Lead 210	81	pCi/L	1.0	93	70	130			
Sample ID: C05040662-002A	Sample Duplicate								05/02/05 14:26
Lead 210	ND	pCi/L	1.0		70	130	0	30	
Sample ID: C05040662-003A	Matrix Spike								05/02/05 14:26
Lead 210	250	pCi/L	1.0	114	70	130			
Sample ID: MB	Method Blank								05/02/05 14:26
Lead 210	ND	pCi/L	1						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



ANALYTICAL SUMMARY REPORT

January 31, 2005

Max Chischilly
United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C05010245

Quote ID: C129 - Quarterly Long List

Project Name: Zone 3

Energy Laboratories Inc. received the following 1 sample from United Nuclear Corp on 1/7/2005 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C05010245-001	613	01/04/05 11:55	01/07/05	Aqueous	Metals by ICP/ICPMS, Total Alkalinity QA Calculations Arsenic-III, Total Selenium-IV, Total Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved E624 Purgeable Organics

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative or Report.

If you have any questions regarding these tests results, please call.

Report Approved By:


JAMES YOCUM
QUALITY ASSURANCE DIRECTOR



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 01/31/05

Work Order: C05010245

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B							Batch: 050112_1_ALK-W		
Sample ID: MBLK1_050112_1	Method Blank								01/12/05 08:13
Bicarbonate as HCO ₃	ND	mg/L	1						
Method: A2540 C							Batch: 050127A-SLDS-TDS-W		
Sample ID: LCS1_050127A	Laboratory Control Spike								01/27/05 15:25
Solids, Total Dissolved TDS @ 180 C	984	mg/L	10	98.4	90	110			
Sample ID: MBLK1_050127A	Method Blank								01/27/05 15:25
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05010880-001BMS	Matrix Spike								01/27/05 15:28
Solids, Total Dissolved TDS @ 180 C	21000	mg/L	10	102	90	110			
Sample ID: C05010880-001BMDS	Matrix Spike Duplicate								01/27/05 15:28
Solids, Total Dissolved TDS @ 180 C	20900	mg/L	10	102	90	110	0.5	10	
Sample ID: C05010891-001ADUP	Sample Duplicate								01/27/05 15:31
Solids, Total Dissolved TDS @ 180 C	214	mg/L	10				2.8	10	
Sample ID: C05010891-001AMS	Matrix Spike								01/27/05 15:31
Solids, Total Dissolved TDS @ 180 C	10500	mg/L	10	103	90	110			
Sample ID: C05010891-001AMSD	Matrix Spike Duplicate								01/27/05 15:32
Solids, Total Dissolved TDS @ 180 C	10400	mg/L	10	102	90	110	1.0	10	
Sample ID: LCS2_050127A	Laboratory Control Spike								01/27/05 15:32
Solids, Total Dissolved TDS @ 180 C	977	mg/L	10	97.7	90	110			
Sample ID: MBLK2_050127A	Method Blank								01/27/05 15:32
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05010902-001BDUP	Sample Duplicate								01/27/05 15:36
Solids, Total Dissolved TDS @ 180 C	3660	mg/L	10				0.2	10	
Sample ID: C05010902-001BMS	Matrix Spike								01/27/05 15:36
Solids, Total Dissolved TDS @ 180 C	24300	mg/L	10	103	90	110			
Sample ID: C05010902-001BMDS	Matrix Spike Duplicate								01/27/05 15:37
Solids, Total Dissolved TDS @ 180 C	24000	mg/L	10	102	90	110	1.0	10	
Sample ID: LCS3_050127A	Laboratory Control Spike								01/27/05 15:37
Solids, Total Dissolved TDS @ 180 C	984	mg/L	10	98.4	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 01/31/05
Work Order: C05010245

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: ASIII3114-050111		
Sample ID: C05010240-001A MS	Matrix Spike								01/11/05 16:22
Arsenic-III	0.0476	mg/L	0.0010	95.2	85	115			
Sample ID: C05010240-001A MSD	Matrix Spike Duplicate								01/11/05 16:24
Arsenic-III	0.0452	mg/L	0.0010	90.4	85	115	5.2	10	
Sample ID: C05010244-001A MS	Matrix Spike								01/11/05 16:49
Arsenic-III	0.0448	mg/L	0.0010	89.6	85	115			
Sample ID: C05010244-001A MSD	Matrix Spike Duplicate								01/11/05 16:50
Arsenic-III	0.0451	mg/L	0.0010	90.1	85	115	0.6	10	
Method: A3114 B							Batch: SEIV-3114-050113		
Sample ID: MBLK	Method Blank								01/13/05 09:43
Selenium-IV	ND	mg/L	0.0003						
Sample ID: C05010240-001A MS	Matrix Spike								01/13/05 10:02
Selenium-IV	0.0492	mg/L	0.0010	98.5	85	115			
Sample ID: C05010240-001A MSD	Matrix Spike Duplicate								01/13/05 10:04
Selenium-IV	0.0489	mg/L	0.0010	97.8	85	115	0.7	10	
Sample ID: C265-15-1	Laboratory Control Spike								01/13/05 10:06
Selenium-IV	0.0494	mg/L	0.0010	98.7	90	110			
Sample ID: MBLK	Method Blank								01/13/05 10:11
Selenium-IV	ND	mg/L	0.0003						
Sample ID: C05010244-001A MS	Matrix Spike								01/13/05 10:29
Selenium-IV	0.0533	mg/L	0.0010	99	85	115			
Sample ID: C05010244-001A MSD	Matrix Spike Duplicate								01/13/05 10:31
Selenium-IV	0.0536	mg/L	0.0010	99.7	85	115	0.7	10	
Sample ID: C265-15-1	Laboratory Control Spike								01/13/05 10:32
Selenium-IV	0.0504	mg/L	0.0010	101	90	110			
Sample ID: MBLK	Method Blank								01/13/05 10:36
Selenium-IV	ND	mg/L	0.0003						

Qualifiers:

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ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 01/31/05

Work Order: C05010245

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B							Batch: PHSC050110A		
Sample ID: C05010240-003BDUP	Sample Duplicate								01/10/05 15:13
pH	6.95	s.u.	0.010				0.3	10	
Sample ID: C05010240-013BDUP	Sample Duplicate								01/10/05 15:24
pH	7.05	s.u.	0.010				0	10	
Sample ID: C05010247-002DDUP	Sample Duplicate								01/10/05 15:38
pH	8.11	s.u.	0.010				0.1	10	
Sample ID: C05010269-002ADUP	Sample Duplicate								01/10/05 16:01
pH	7.92	s.u.	0.010				0	10	
Sample ID: C05010269-008ADUP	Sample Duplicate								01/10/05 16:07
pH	7.71	s.u.	0.010				0	10	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 01/31/05

Work Order: C05010245

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G			Batch: A2005-01-11_1_NH3_02						
Sample ID: MBLK-1	Method Blank								01/11/05 10:24
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05010240-002DMS	Matrix Spike								01/11/05 10:39
Nitrogen, Ammonia as N	3.41	mg/L	0.050	104	80	120			
Sample ID: C05010240-002DMSD	Matrix Spike Duplicate								01/11/05 10:40
Nitrogen, Ammonia as N	3.53	mg/L	0.050	110	80	120	3.5		20
Sample ID: MBLK-17	Method Blank								01/11/05 10:56
Nitrogen, Ammonia as N	0.04	mg/L	0.02						
Sample ID: C05010240-011DMS	Matrix Spike								01/11/05 11:08
Nitrogen, Ammonia as N	1.91	mg/L	0.050	93	80	120			
Sample ID: C05010240-011DMSD	Matrix Spike Duplicate								01/11/05 11:10
Nitrogen, Ammonia as N	1.96	mg/L	0.050	95.5	80	120	2.6		20
Sample ID: MBLK-32	Method Blank								01/11/05 11:26
Nitrogen, Ammonia as N	0.06	mg/L	0.02						
Sample ID: C05010109-003BMS	Matrix Spike								01/11/05 11:40
Nitrogen, Ammonia as N	1.96	mg/L	0.050	93.5	80	120			
Sample ID: C05010109-003BMSD	Matrix Spike Duplicate								01/11/05 11:43
Nitrogen, Ammonia as N	1.85	mg/L	0.050	88	80	120	5.8		20
Sample ID: MBLK-48	Method Blank								01/11/05 12:00
Nitrogen, Ammonia as N	0.05	mg/L	0.02						
Sample ID: C05010307-006CMS	Matrix Spike								01/11/05 12:22
Nitrogen, Ammonia as N	13.2	mg/L	0.10	94.9	80	120			
Sample ID: C05010307-006CMSD	Matrix Spike Duplicate								01/11/05 12:42
Nitrogen, Ammonia as N	12.8	mg/L	0.10	86.8	80	120	3.1		20

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 01/31/05

Work Order: C05010245

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R45711		
Sample ID: C05010244-004AMS1	Matrix Spike								01/21/05 14:38
Calcium	51.5	mg/L	0.50	102	70	130			
Magnesium	51.7	mg/L	0.50	103	70	130			
Potassium	48.2	mg/L	0.50	96.3	70	130			
Sodium	51.8	mg/L	0.50	99.3	70	130			
Sample ID: C05010244-004AMS2	Matrix Spike								01/21/05 14:41
Manganese	0.960	mg/L	0.010	96	70	130			
Nickel	0.943	mg/L	0.054	94.3	70	130			
Vanadium	0.954	mg/L	0.10	95.4	70	130			
Sample ID: C05010244-004AMS3	Matrix Spike								01/21/05 14:52
Chloride	97.1	mg/L	1.0	97.7	70	130			
Sulfate	98.6	mg/L	1.0	97.2	70	130			
Sample ID: C05010244-004AMSD1	Matrix Spike Duplicate								01/21/05 14:56
Calcium	52.7	mg/L	0.50	105	70	130	2.3	20	
Magnesium	52.2	mg/L	0.50	104	70	130	1.0	20	
Potassium	48.6	mg/L	0.50	97.2	70	130	0.8	20	
Sodium	52.1	mg/L	0.50	99.9	70	130	0.6	20	
Sample ID: C05010244-004AMSD2	Matrix Spike Duplicate								01/21/05 14:59
Manganese	1.06	mg/L	0.010	106	70	130	9.4	20	
Nickel	1.02	mg/L	0.054	102	70	130	7.6	20	
Vanadium	1.06	mg/L	0.10	106	70	130	10	20	
Sample ID: C05010244-004AMSD3	Matrix Spike Duplicate								01/21/05 15:02
Chloride	98.8	mg/L	1.0	99.4	70	130	1.7	20	
Sulfate	101	mg/L	1.0	100	70	130	2.8	20	
Method: E200.7							Batch: R45924		
Sample ID: C05010490-006AMS2	Matrix Spike								01/27/05 13:08
Aluminum	8.91	mg/L	0.10	89.1	70	130			
Sample ID: C05010490-006AMSD2	Matrix Spike Duplicate								01/27/05 13:26
Aluminum	9.47	mg/L	0.10	94.7	70	130	6.1	20	
Sample ID: C05010491-004AMS2	Matrix Spike								01/27/05 14:12
Aluminum	9.49	mg/L	0.10	94.9	70	130			
Sample ID: C05010491-004AMSD2	Matrix Spike Duplicate								01/27/05 14:21
Aluminum	9.51	mg/L	0.10	95.1	70	130	0.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 01/31/05

Work Order: C05010245

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R45760		
Sample ID: LRB	Method Blank							01/24/05 10:53	
Beryllium	ND	mg/L	0.00003						
Cadmium	0.001	mg/L	0.0002						
Cobalt	ND	mg/L	0.00003						
Lead	ND	mg/L	0.00002						
Molybdenum	ND	mg/L	0.00007						
Uranium	ND	mg/L	0.00004						
Sample ID: C04121078-001AMS4	Post Digestion Spike							01/24/05 11:21	
Cadmium	0.0446	mg/L	0.010	85.6	70	130			
Cobalt	0.0545	mg/L	0.010	108	70	130			
Lead	0.0512	mg/L	0.050	102	70	130			
Molybdenum	0.0775	mg/L	0.10	103	70	130			
Uranium	0.0787	mg/L	0.00030	99.7	70	130			
Sample ID: C04121078-001AMSD4	Post Digestion Spike Dup							01/24/05 11:29	
Cadmium	0.0476	mg/L	0.010	91.6	70	130	6.4	20	
Cobalt	0.0540	mg/L	0.010	107	70	130	0.9	20	
Lead	0.0506	mg/L	0.050	101	70	130	1.3	20	
Molybdenum	0.0779	mg/L	0.10	103	70	130	0	20	
Uranium	0.0774	mg/L	0.00030	97.1	70	130	1.7	20	
Sample ID: C05010247-001AMS4	Post Digestion Spike							01/24/05 14:27	
Cadmium	0.0484	mg/L	0.010	93.2	70	130			
Cobalt	0.0536	mg/L	0.010	107	70	130			
Lead	0.0507	mg/L	0.050	101	70	130			
Molybdenum	0.0482	mg/L	0.10	96.2	70	130			
Uranium	0.0562	mg/L	0.00030	91.8	70	130			
Sample ID: C05010247-001AMSD4	Post Digestion Spike Dup							01/24/05 14:34	
Cadmium	0.0515	mg/L	0.010	99.5	70	130	6.3	20	
Cobalt	0.0548	mg/L	0.010	110	70	130	2.2	20	
Lead	0.0512	mg/L	0.050	102	70	130	1.0	20	
Molybdenum	0.0484	mg/L	0.10	96.6	70	130	0	20	
Uranium	0.0580	mg/L	0.00030	95.3	70	130	3.0	20	
Sample ID: C05010240-001AMS4	Post Digestion Spike							01/24/05 16:21	
Beryllium	0.198	mg/L	0.010	79.2	70	130			
Cadmium	0.247	mg/L	0.010	97.7	70	130			
Cobalt	0.282	mg/L	0.010	110	70	130			
Lead	0.260	mg/L	0.050	104	70	130			
Molybdenum	0.250	mg/L	0.10	99.9	70	130			
Uranium	0.462	mg/L	0.00030	92.6	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 01/31/05
Work Order: C05010245

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R45760		
Sample ID: C05010240-001AMSD4 Post Digestion Spike Dup							01/24/05 16:29		
Beryllium	0.196	mg/L	0.010	78.2	70	130	1.3	20	
Cadmium	0.239	mg/L	0.010	94.7	70	130	3.1	20	
Cobalt	0.276	mg/L	0.010	108	70	130	2.1	20	
Lead	0.261	mg/L	0.050	104	70	130	0.5	20	
Molybdenum	0.248	mg/L	0.10	99.3	70	130	0.6	20	
Uranium	0.463	mg/L	0.00030	92.8	70	130	0.1	20	
Sample ID: C05010240-011AMS4 Post Digestion Spike							01/24/05 20:46		
Beryllium	0.238	mg/L	0.010	95.4	70	130			
Cadmium	0.248	mg/L	0.010	98.4	70	130			
Cobalt	0.253	mg/L	0.010	101	70	130			
Lead	0.257	mg/L	0.050	103	70	130			
Molybdenum	0.287	mg/L	0.10	115	70	130			
Uranium	0.313	mg/L	0.00030	112	70	130			
Sample ID: C05010240-011AMSD4 Post Digestion Spike Dup							01/24/05 20:53		
Beryllium	0.224	mg/L	0.010	89.6	70	130	6.2	20	
Cadmium	0.237	mg/L	0.010	94.3	70	130	4.3	20	
Cobalt	0.246	mg/L	0.010	97.9	70	130	3.0	20	
Lead	0.258	mg/L	0.050	103	70	130	0.5	20	
Molybdenum	0.287	mg/L	0.10	115	70	130	0.2	20	
Uranium	0.297	mg/L	0.00030	106	70	130	5.2	20	
Sample ID: LRB Method Blank							01/25/05 00:21		
Cadmium	0.002	mg/L	0.0002						
Cobalt	ND	mg/L	0.00003						
Lead	ND	mg/L	0.00002						
Molybdenum	0.0003	mg/L	0.00007						
Uranium	ND	mg/L	0.00004						
Sample ID: C04101313-018AMS Matrix Spike							01/25/05 00:39		
Cadmium	0.0429	mg/L	0.0010	78.4	70	130			
Cobalt	0.0420	mg/L	0.0010	82.8	70	130			
Lead	0.0455	mg/L	0.0010	90.6	70	130			
Molybdenum	0.0907	mg/L	0.0010	88.9	70	130			
Uranium	0.203	mg/L	0.00030	82.8	70	130			
Sample ID: C04101313-018AMSD Matrix Spike Duplicate							01/25/05 00:43		
Cadmium	0.0475	mg/L	0.0010	87.7	70	130	10	20	
Cobalt	0.0431	mg/L	0.0010	85	70	130	2.7	20	
Lead	0.0477	mg/L	0.0010	95	70	130	4.8	20	
Molybdenum	0.0950	mg/L	0.0010	97.5	70	130	4.7	20	
Uranium	0.212	mg/L	0.00030	100	70	130	4.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 01/31/05

Work Order: C05010245

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R45760		
Sample ID: C04101313-029AMS Matrix Spike							01/25/05 02:18		
Cadmium	0.0457	mg/L	0.0010	91.5	70	130			
Cobalt	0.0434	mg/L	0.0010	86.8	70	130			
Lead	0.0465	mg/L	0.0010	93.1	70	130			
Molybdenum	0.0501	mg/L	0.0010	100	70	130			
Uranium	0.0509	mg/L	0.00030	102	70	130			
Sample ID: C04101313-029AMSD Matrix Spike Duplicate							01/25/05 02:23		
Cadmium	0.0421	mg/L	0.0010	84.2	70	130	8.3	20	
Cobalt	0.0442	mg/L	0.0010	88.5	70	130	1.9	20	
Lead	0.0453	mg/L	0.0010	90.6	70	130	2.7	20	
Molybdenum	0.0503	mg/L	0.0010	101	70	130	0.5	20	
Uranium	0.0525	mg/L	0.00030	105	70	130	3.0	20	
Sample ID: C04111072-015AMS Matrix Spike							01/25/05 04:38		
Cadmium	0.0481	mg/L	0.0010	93.7	70	130			
Cobalt	0.0449	mg/L	0.0010	89.6	70	130			
Lead	0.0516	mg/L	0.0010	103	70	130			
Uranium	0.0541	mg/L	0.00030	105	70	130			
Sample ID: C04111072-015AMSD Matrix Spike Duplicate							01/25/05 04:43		
Cadmium	0.0485	mg/L	0.0010	94.4	70	130	0.7	20	
Cobalt	0.0441	mg/L	0.0010	88.1	70	130	1.7	20	
Lead	0.0511	mg/L	0.0010	102	70	130	1.1	20	
Uranium	0.0543	mg/L	0.00030	105	70	130	0.4	20	
Sample ID: C04111072-058AMS Matrix Spike							01/25/05 05:59		
Cadmium	0.0432	mg/L	0.0010	80.4	70	130			
Lead	0.0497	mg/L	0.0010	98.7	70	130			
Molybdenum	0.109	mg/L	0.0010	98.7	70	130			
Uranium	0.255	mg/L	0.00030	0	70	130			A
Sample ID: C04111072-058AMSD Matrix Spike Duplicate							01/25/05 06:04		
Cadmium	0.0432	mg/L	0.0010	80.4	70	130	0	20	
Lead	0.0480	mg/L	0.0010	95.3	70	130	3.5	20	
Molybdenum	0.109	mg/L	0.0010	98.3	70	130	0.2	20	
Uranium	0.252	mg/L	0.00030	0	70	130	1.1	20	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 01/31/05

Work Order: C05010245

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2			Batch: A2005-01-10_1_NO3_01						
Sample ID: MBLK-1	Method Blank								01/10/05 10:22
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05010247-003EMS	Matrix Spike								01/10/05 10:40
Nitrogen, Nitrate+Nitrite as N	1.98	mg/L	0.10	99	90	110			
Sample ID: C05010247-003EMSD	Matrix Spike Duplicate								01/10/05 10:42
Nitrogen, Nitrate+Nitrite as N	2.07	mg/L	0.10	104	90	110	4.4		10
Sample ID: MBLK-17	Method Blank								01/10/05 11:02
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05010235-005AMS	Matrix Spike								01/10/05 11:17
Nitrogen, Nitrate+Nitrite as N	2.02	mg/L	0.10	101	90	110			
Sample ID: C05010235-005AMSD	Matrix Spike Duplicate								01/10/05 11:20
Nitrogen, Nitrate+Nitrite as N	2.07	mg/L	0.10	104	90	110	2.4		10
Sample ID: MBLK-32	Method Blank								01/10/05 11:40
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05010269-003CMS	Matrix Spike								01/10/05 12:00
Nitrogen, Nitrate+Nitrite as N	2.31	mg/L	0.10	106	90	110			
Sample ID: C05010269-003CMSD	Matrix Spike Duplicate								01/10/05 12:12
Nitrogen, Nitrate+Nitrite as N	2.19	mg/L	0.10	99.5	90	110	5.3		10
Sample ID: MBLK-48	Method Blank								01/10/05 12:32
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05010240-002DMS	Matrix Spike								01/10/05 12:47
Nitrogen, Nitrate+Nitrite as N	3.25	mg/L	0.10	105	90	110			
Sample ID: C05010240-002DMSD	Matrix Spike Duplicate								01/10/05 12:50
Nitrogen, Nitrate+Nitrite as N	3.31	mg/L	0.10	108	90	110	1.8		10

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 01/31/05

Work Order: C05010245

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual.
Method: E624							Batch: R45440		
Sample ID: 12-Jan-05_LCS_3	Laboratory Control Spike						01/12/05 11:58		
Chloroform	10.7	ug/L	1.0	107	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	88.8	80	120			
Surr: Dibromofluoromethane			1.0	100	70	130			
Surr: p-Bromofluorobenzene			1.0	111	75	125			
Surr: Toluene-d8			1.0	93.6	80	120			
Sample ID: 12-Jan-05_MBLK_23	Method Blank						01/13/05 03:06		
Chloroform	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			0.5	104	80	120			
Surr: Dibromofluoromethane			0.5	88.8	70	130			
Surr: p-Bromofluorobenzene			0.5	94	75	125			
Surr: Toluene-d8			0.5	98	80	120			
Sample ID: 12-Jan-05_MBLK_8	Method Blank						01/12/05 15:40		
Chloroform	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			0.5	103	80	120			
Surr: Dibromofluoromethane			0.5	101	70	130			
Surr: p-Bromofluorobenzene			0.5	91.6	75	125			
Surr: Toluene-d8			0.5	100	80	120			
Sample ID: C05010245-001EMS	Matrix Spike						01/13/05 10:44		
Chloroform	210	ug/L	5.0	108	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	97.2	80	120			
Surr: Dibromofluoromethane			5.0	102	70	130			
Surr: p-Bromofluorobenzene			5.0	92.8	75	125			
Surr: Toluene-d8			5.0	95.6	80	120			
Sample ID: C05010245-001EMSD	Matrix Spike Duplicate						01/13/05 11:28		
Chloroform	181	ug/L	5.0	79.2	70	130	15	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	96	80	120	0	10	
Surr: Dibromofluoromethane			5.0	98.8	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	93.2	75	125	0	10	
Surr: Toluene-d8			5.0	93.2	80	120	0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 01/31/05

Work Order: C05010245

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1									Batch: R45501
Sample ID: C05010240-002A	Sample Duplicate								01/12/05 11:10
Gross Alpha minus Rn & U	ND	pCi/L	1.0				0		30
Sample ID: C05010240-003A	Matrix Spike								01/12/05 11:10
Gross Alpha minus Rn & U	41.2	pCi/L	1.0	104	70	130			
Sample ID: MB-R45501	Method Blank								01/12/05 11:10
Gross Alpha minus Rn & U	ND	pCi/L	1						
Sample ID: LCS-R45501	Laboratory Control Spike								01/12/05 11:10
Gross Alpha minus Rn & U	46.3	pCi/L	1.0	123	70	130			
Method: E903.0									Batch: RA226-0865
Sample ID: C05010209-001AMS	Matrix Spike								01/10/05 13:45
Radium 226	25	pCi/L	0.20	98.6	70	130			
Sample ID: C05010209-001AMSD	Matrix Spike Duplicate								01/10/05 13:45
Radium 226	26	pCi/L	0.20	104	70	130	5.0		27.6
Sample ID: MB-RA226-0865	Method Blank								01/10/05 13:45
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-0865	Laboratory Control Spike								01/10/05 13:45
Radium 226	15	pCi/L	0.20	100	70	130			
Method: E904.0									Batch: RA228-0789
Sample ID: LCS-228-RA226-0865	Laboratory Control Spike								01/10/05 13:45
Radium 228	9.6	pCi/L	1.0	93.6	70	130			
Sample ID: MB-RA226-0865	Method Blank								01/10/05 13:45
Radium 228	ND	pCi/L	1						
Sample ID: C05010209-002AMS	Matrix Spike								01/10/05 13:45
Radium 228	16	pCi/L	1.0	92.3	70	130			
Sample ID: C05010209-002AMSD	Matrix Spike Duplicate								01/10/05 13:45
Radium 228	16	pCi/L	1.0	91.4	70	130	1.0		36.1

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 01/31/05

Work Order: C05010245

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: R45487
Sample ID: MB-R45487	Method Blank								01/11/05 10:30
Thorium 230	ND	pCi/L	0.2						
Sample ID: LCS-R45487	Laboratory Control Spike								01/11/05 10:30
Thorium 230	20.8	pCi/L	0.20	83.2	70	130			
Sample ID: C05010245-001AMS	Matrix Spike								01/11/05 10:30
Thorium 230	448	pCi/L	0.20	108	70	130			
Sample ID: C05010245-001AMSD	Matrix Spike Duplicate								01/11/05 10:30
Thorium 230	366	pCi/L	0.20	42.5	70	130	20	30	S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the batch is approved.									
Method: NERHL-65-4									Batch: 05PB-42
Sample ID: 210	Laboratory Control Spike								01/12/05 17:48
Lead 210	78	pCi/L	1.0	89.1	70	130			
Sample ID: C05010240-011AMS	Matrix Spike								01/12/05 17:48
Lead 210	280	pCi/L	1.0	125	70	130			
Sample ID: MB	Method Blank								01/12/05 17:48
Lead 210	ND	pCi/L	1						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



ANALYTICAL SUMMARY REPORT

February 03, 2005

Max Chischilly
United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C05010491

Quote ID: C129 - Quarterly Long List

Project Name: Zone 3

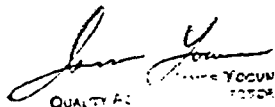
Energy Laboratories Inc. received the following 11 samples from United Nuclear Corp on 1/14/2005 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C05010491-001	NBL-1	01/10/05 9:35	01/14/05	Aqueous	Metals by ICP/ICPMS, Total Alkalinity QA Calculations Arsenic-III, Total Selenium-IV, Total Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved E624 Purgeable Organics
C05010491-002	504-B	01/10/05 10:55	01/14/05	Aqueous	Same As Above
C05010491-003	719	01/10/05 11:30	01/14/05	Aqueous	Same As Above
C05010491-004	420	01/10/05 13:00	01/14/05	Aqueous	Same As Above
C05010491-005	717	01/10/05 13:30	01/14/05	Aqueous	Same As Above
C05010491-006	EPA-14	01/10/05 14:00	01/14/05	Aqueous	Same As Above
C05010491-007	517	01/10/05 14:40	01/14/05	Aqueous	Same As Above
C05010491-008	708	01/10/05 15:10	01/14/05	Aqueous	Same As Above
C05010491-009	711	01/11/05 9:10	01/14/05	Aqueous	Same As Above
C05010491-010	711 Duplicate	01/11/05 9:30	01/14/05	Aqueous	Same As Above
C05010491-011	EPA-13	01/11/05 9:55	01/14/05	Aqueous	Same As Above

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative or Report.

If you have any questions regarding these tests results, please call.

Report Approved By:


James Yocum
QUALITY ASSURANCE
DIRECTOR



QA/QC Summary Report

Client: United Nuclear Corp

Report Date: 02/03/05

Project: Zone 3

Work Order: C05010491

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B							Batch: 050119_1_ALK-W		
Sample ID: MBLK1_050119_1	Method Blank						01/19/05 09:40		
Bicarbonate as HCO ₃	ND	mg/L	1						
Method: A2320 B							Batch: 050119_2_ALK-W		
Sample ID: MBLK1_050119_2	Method Blank						01/19/05 15:31		
Bicarbonate as HCO ₃	ND	mg/L	1						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 02/03/05

Work Order: C05010491

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C		Batch: 050117C-SLDS-TDS-W							
Sample ID: LCS1_050117C	Laboratory Control Spike								01/17/05 16:35
Solids, Total Dissolved TDS @ 180 C	994	mg/L	10	99.4	90	110			
Sample ID: MBLK1_050117C	Method Blank								01/17/05 16:35
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05010489-002AMS	Matrix Spike								01/17/05 16:38
Solids, Total Dissolved TDS @ 180 C	24800	mg/L	10	101	90	110			
Sample ID: C05010489-002AMSD	Matrix Spike Duplicate								01/17/05 16:38
Solids, Total Dissolved TDS @ 180 C	24800	mg/L	10	101	90	110	0	10	
Sample ID: C05010491-002BMS	Matrix Spike								01/17/05 16:41
Solids, Total Dissolved TDS @ 180 C	26700	mg/L	10	102	90	110			
Sample ID: C05010491-002BMSD	Matrix Spike Duplicate								01/17/05 16:41
Solids, Total Dissolved TDS @ 180 C	26500	mg/L	10	101	90	110	0.6	10	
Sample ID: LCS2_050117C	Laboratory Control Spike								01/17/05 16:42
Solids, Total Dissolved TDS @ 180 C	990	mg/L	10	99	90	110			
Sample ID: MBLK2_050117C	Method Blank								01/17/05 16:42
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05010524-001AMS	Matrix Spike								01/17/05 16:44
Solids, Total Dissolved TDS @ 180 C	22000	mg/L	10	101	90	110			
Sample ID: C05010524-001AMSD	Matrix Spike Duplicate								01/17/05 16:45
Solids, Total Dissolved TDS @ 180 C	22100	mg/L	10	101	90	110	0.2	10	
Sample ID: C05010525-002DMS	Matrix Spike								01/17/05 16:45
Solids, Total Dissolved TDS @ 180 C	20400	mg/L	10	100	90	110			
Sample ID: C05010525-002DMSD	Matrix Spike Duplicate								01/17/05 16:46
Solids, Total Dissolved TDS @ 180 C	20500	mg/L	10	101	90	110	0.5	10	
Sample ID: LCS3_050117C	Laboratory Control Spike								01/17/05 16:46
Solids, Total Dissolved TDS @ 180 C	1000	mg/L	10	100	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 02/03/05
Work Order: C05010491

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C					Batch: 050131A-SLDS-TDS-W				
Sample ID: LCS1_050131A	Laboratory Control Spike								01/31/05 16:11
Solids, Total Dissolved TDS @ 180 C	992	mg/L	10	99.2	90	110			
Sample ID: MBLK1_050131A	Method Blank								01/31/05 16:12
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05010965-010BMS	Matrix Spike								01/31/05 16:15
Solids, Total Dissolved TDS @ 180 C	13900	mg/L	10	104	90	110			
Sample ID: C05010965-010BMSD	Matrix Spike Duplicate								01/31/05 16:15
Solids, Total Dissolved TDS @ 180 C	13800	mg/L	10	103	90	110	0.7	10	
Sample ID: C05010965-020BDUP	Sample Duplicate								01/31/05 16:17
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	10				0	10	
Sample ID: C05010965-020BMS	Matrix Spike								01/31/05 16:18
Solids, Total Dissolved TDS @ 180 C	20500	mg/L	10	102	90	110			
Sample ID: C05010965-020BMSD	Matrix Spike Duplicate								01/31/05 16:18
Solids, Total Dissolved TDS @ 180 C	20400	mg/L	10	102	90	110	0.5	10	
Sample ID: LCS2_050131A	Laboratory Control Spike								01/31/05 16:18
Solids, Total Dissolved TDS @ 180 C	986	mg/L	10	98.6	90	110			
Sample ID: MBLK2_050131A	Method Blank								01/31/05 16:18
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05011005-001AMS	Matrix Spike								01/31/05 16:20
Solids, Total Dissolved TDS @ 180 C	21300	mg/L	10	102	90	110			
Sample ID: C05011005-001AMSD	Matrix Spike Duplicate								01/31/05 16:20
Solids, Total Dissolved TDS @ 180 C	21300	mg/L	10	102	90	110	0	10	
Sample ID: LCS3_050131A	Laboratory Control Spike								01/31/05 16:20
Solids, Total Dissolved TDS @ 180 C	975	mg/L	10	97.5	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Report Date: 02/03/05

Project: Zone 3

Work Order: C05010491

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: ASIII-3114-050117		
Sample ID: MBLK	Method Blank								01/17/05 11:39
Arsenic-III	ND	mg/L	0.0004						
Sample ID: C05010488-001A MS	Matrix Spike								01/17/05 12:11
Arsenic-III	0.0493	mg/L	0.0010	98.6	85	115			
Sample ID: C05010488-001A MSD	Matrix Spike Duplicate								01/17/05 12:13
Arsenic-III	0.0503	mg/L	0.0010	101	85	115	2.0	10	
Sample ID: C265-15-1	Laboratory Control Spike								01/17/05 12:15
Arsenic-III	0.0509	mg/L	0.0010	102	90	110			
Sample ID: MBLK	Method Blank								01/17/05 12:20
Arsenic-III	ND	mg/L	0.0004						
Sample ID: C05010491-002A MS	Matrix Spike								01/17/05 12:49
Arsenic-III	0.0637	mg/L	0.0010	89.2	85	115			
Sample ID: C05010491-002A MSD	Matrix Spike Duplicate								01/17/05 12:51
Arsenic-III	0.0645	mg/L	0.0010	90.8	85	115	1.2	10	
Sample ID: C265-15-1	Laboratory Control Spike								01/17/05 12:52
Arsenic-III	0.0527	mg/L	0.0010	105	90	110			
Sample ID: MBLK	Method Blank								01/17/05 12:56
Arsenic-III	ND	mg/L	0.0004						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 02/03/05

Work Order: C05010491

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: SEIV-3114-050118		
Sample ID: MBLK	Method Blank								01/18/05 10:00
Selenium-IV	ND	mg/L	0.0003						
Sample ID: C05010488-001A MS	Matrix Spike								01/18/05 10:19
Selenium-IV	0.0513	mg/L	0.0010	100	85	115			
Sample ID: C05010488-001A MSD	Matrix Spike Duplicate								01/18/05 10:21
Selenium-IV	0.0514	mg/L	0.0010	100	85	115	0	10	
Sample ID: C265-15-1	Laboratory Control Spike								01/18/05 10:23
Selenium-IV	0.0487	mg/L	0.0010	97.5	90	110			
Sample ID: MBLK	Method Blank								01/18/05 10:28
Selenium-IV	ND	mg/L	0.0003						
Sample ID: C05010491-002A MS	Matrix Spike								01/18/05 10:48
Selenium-IV	0.0451	mg/L	0.0010	90.3	85	115			
Sample ID: C05010491-002A MSD	Matrix Spike Duplicate								01/18/05 10:49
Selenium-IV	0.0454	mg/L	0.0010	90.9	85	115	0.6	10	
Sample ID: C265-15-1	Laboratory Control Spike								01/18/05 10:51
Selenium-IV	0.0477	mg/L	0.0010	95.3	90	110			
Sample ID: MBLK	Method Blank								01/18/05 10:55
Selenium-IV	ND	mg/L	0.0003						
Method: A4500-H B							Batch: PHSC050117A		
Sample ID: C05010489-001A	Sample Duplicate								01/17/05 16:28
pH	6.72	s.u.	0.010				0.9	10	
Sample ID: C05010491-001B	Sample Duplicate								01/17/05 16:44
pH	6.76	s.u.	0.010				0.1	10	
Sample ID: C05010491-011B	Sample Duplicate								01/17/05 16:59
pH	6.43	s.u.	0.010				0.9	10	
Sample ID: C05010492-010D	Sample Duplicate								01/17/05 17:13
pH	7.81	s.u.	0.010				1.8	10	
Sample ID: C05010524-001A	Sample Duplicate								01/17/05 17:23
pH	7.89	s.u.	0.010				0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 02/03/05
Work Order: C05010491

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G			Batch: A2005-01-19_1_NH3_01						
Sample ID: MBLK-1	Method Blank								01/20/05 09:12
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05010490-003DMS	Matrix Spike								01/20/05 09:27
Nitrogen, Ammonia as N	2.79	mg/L	0.050	112	80	120			
Sample ID: C05010490-003DMSD	Matrix Spike Duplicate								01/20/05 09:28
Nitrogen, Ammonia as N	2.82	mg/L	0.050	113	80	120	1.1	20	
Sample ID: MBLK-17	Method Blank								01/20/05 09:45
Nitrogen, Ammonia as N	0.07	mg/L	0.02						
Sample ID: C05010490-006DMS	Matrix Spike								01/20/05 09:56
Nitrogen, Ammonia as N	2.84	mg/L	0.050	104	80	120			
Sample ID: C05010490-006DMSD	Matrix Spike Duplicate								01/20/05 09:58
Nitrogen, Ammonia as N	2.96	mg/L	0.050	110	80	120	4.1	20	
Sample ID: MBLK-32	Method Blank								01/20/05 10:14
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05010491-009DMS	Matrix Spike								01/20/05 10:28
Nitrogen, Ammonia as N	3.02	mg/L	0.050	110	80	120			
Sample ID: C05010491-009DMSD	Matrix Spike Duplicate								01/20/05 10:30
Nitrogen, Ammonia as N	3.05	mg/L	0.050	111	80	120	1.0	20	
Sample ID: MBLK-48	Method Blank								01/20/05 10:46
Nitrogen, Ammonia as N	0.03	mg/L	0.02						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 02/03/05

Work Order: C05010491

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R45924		
Sample ID: C05010490-006AMS1	Matrix Spike								01/27/05 13:05
Calcium	1030	mg/L	0.57	93.8	70	130			
Magnesium	821	mg/L	0.53	87.9	70	130			
Potassium	463	mg/L	0.52	90.8	70	130			
Sodium	654	mg/L	0.62	92.5	70	130			
Sample ID: C05010490-006AMS2	Matrix Spike								01/27/05 13:08
Aluminum	8.91	mg/L	0.10	89.1	70	130			
Beryllium	8.87	mg/L	0.010	88.7	70	130			
Manganese	12.3	mg/L	0.010	90	70	130			
Molybdenum	8.88	mg/L	0.79	88.8	70	130			
Vanadium	9.09	mg/L	0.10	90.9	70	130			
Sample ID: C05010490-006AMS3	Matrix Spike								01/27/05 13:20
Chloride	967	mg/L	1.0	92.3	70	130			
Sulfate	3780	mg/L	8.0	89.1	70	130			
Sample ID: C05010490-006AMSD1	Matrix Spike Duplicate								01/27/05 13:23
Calcium	1040	mg/L	0.57	96.4	70	130	1.3	20	
Magnesium	832	mg/L	0.53	90.1	70	130	1.3	20	
Potassium	472	mg/L	0.52	92.5	70	130	1.8	20	
Sodium	663	mg/L	0.62	94.3	70	130	1.4	20	
Sample ID: C05010490-006AMSD2	Matrix Spike Duplicate								01/27/05 13:26
Aluminum	9.47	mg/L	0.10	94.7	70	130	6.1	20	
Beryllium	9.32	mg/L	0.010	93.2	70	130	4.9	20	
Manganese	12.9	mg/L	0.010	95.4	70	130	4.3	20	
Molybdenum	9.06	mg/L	0.79	90.6	70	130	2.0	20	
Vanadium	9.59	mg/L	0.10	95.9	70	130	5.4	20	
Sample ID: C05010490-006AMSD3	Matrix Spike Duplicate								01/27/05 13:29
Chloride	1020	mg/L	1.0	97.2	70	130	4.9	20	
Sulfate	3780	mg/L	8.0	88.9	70	130	0	20	
Sample ID: C05010491-004AMS1	Matrix Spike								01/27/05 14:09
Calcium	1160	mg/L	0.57	85.2	70	130			
Magnesium	614	mg/L	0.53	91.6	70	130			
Potassium	459	mg/L	0.52	90	70	130			
Sodium	603	mg/L	0.62	89.6	70	130			
Sample ID: C05010491-004AMS2	Matrix Spike								01/27/05 14:12
Aluminum	9.49	mg/L	0.10	94.9	70	130			
Beryllium	9.23	mg/L	0.010	92.3	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 02/03/05

Work Order: C05010491

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R45924		
Sample ID: C05010491-004AMS2	Matrix Spike								01/27/05 14:12
Manganese	11.6	mg/L	0.010	94	70	130			
Molybdenum	9.04	mg/L	0.79	90.4	70	130			
Vanadium	9.57	mg/L	0.10	95.7	70	130			
Sample ID: C05010491-004AMS3	Matrix Spike								01/27/05 14:15
Chloride	1080	mg/L	1.0	99.5	70	130			
Sulfate	2620	mg/L	8.0	82.4	70	130			
Sample ID: C05010491-004AMSD1	Matrix Spike Duplicate								01/27/05 14:18
Calcium	1180	mg/L	0.57	89.2	70	130	1.7	20	
Magnesium	636	mg/L	0.53	96	70	130	3.5	20	
Potassium	484	mg/L	0.52	94.9	70	130	5.2	20	
Sodium	632	mg/L	0.62	95.4	70	130	4.7	20	
Sample ID: C05010491-004AMSD2	Matrix Spike Duplicate								01/27/05 14:21
Aluminum	9.51	mg/L	0.10	95.1	70	130	0.2	20	
Beryllium	9.28	mg/L	0.010	92.8	70	130	0.5	20	
Manganese	11.6	mg/L	0.010	94.4	70	130	0.4	20	
Molybdenum	9.01	mg/L	0.79	90.1	70	130	0.3	20	
Vanadium	9.59	mg/L	0.10	95.9	70	130	0.2	20	
Sample ID: C05010491-004AMSD3	Matrix Spike Duplicate								01/27/05 14:24
Sulfate	2620	mg/L	8.0	81.9	70	130	0.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 02/03/05
Work Order: C05010491

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R46002		
Sample ID: C05010612-001BMS1	Matrix Spike								01/31/05 11:27
Calcium	563	mg/L	0.57	99.2	70	130			
Magnesium	507	mg/L	0.53	100	70	130			
Potassium	471	mg/L	0.52	93.6	70	130			
Sodium	925	mg/L	0.62	95.7	70	130			
Sample ID: C05010612-001BMS3	Matrix Spike								01/31/05 11:41
Chloride	1100	mg/L	1.0	102	70	130			
Sulfate	1800	mg/L	8.0	98.5	70	130			
Sample ID: C05010612-001BMSD1	Matrix Spike Duplicate								01/31/05 11:45
Calcium	573	mg/L	0.57	101	70	130	1.8	20	
Magnesium	509	mg/L	0.53	101	70	130	0.4	20	
Potassium	473	mg/L	0.52	93.9	70	130	0.3	20	
Sodium	931	mg/L	0.62	96.9	70	130	0.6	20	
Sample ID: C05010612-001BMSD3	Matrix Spike Duplicate								01/31/05 11:51
Chloride	1090	mg/L	1.0	100	70	130	1.4	20	
Sulfate	1760	mg/L	8.0	94.7	70	130	2.1	20	
Sample ID: C05010880-001CMS1	Matrix Spike								01/31/05 13:51
Calcium	169	mg/L	0.50	93.6	70	130			
Magnesium	74.0	mg/L	0.50	94.1	70	130			
Potassium	54.6	mg/L	0.50	92.9	70	130			
Sodium	80.5	mg/L	0.50	92.6	70	130			
Sample ID: C05010880-001CMS3	Matrix Spike								01/31/05 13:57
Chloride	102	mg/L	1.0	90.8	70	130			
Sample ID: C05010880-001CMSD1	Matrix Spike Duplicate								01/31/05 14:00
Calcium	168	mg/L	0.50	90.6	70	130	0.9	20	
Magnesium	73.3	mg/L	0.50	92.7	70	130	1.0	20	
Potassium	53.8	mg/L	0.50	91.3	70	130	1.5	20	
Sodium	79.7	mg/L	0.50	91	70	130	1.0	20	
Sample ID: C05010880-001CMSD3	Matrix Spike Duplicate								01/31/05 14:15
Chloride	102	mg/L	1.0	91.4	70	130	0.6	20	
Sulfate	336	mg/L	1.0	85.9	70	130	1.5	20	
Sample ID: MB-7121	Method Blank								01/31/05 15:23
Calcium	ND	mg/L	0.06						
Chloride	5	mg/L	0.8						
Magnesium	ND	mg/L	0.05						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Report Date: 02/03/05

Project: Zone 3

Work Order: C05010491

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
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Method: E200.7

Batch: R46002

Sample ID: MB-7121

Method Blank

01/31/05 15:23

Potassium	0.1	mg/L	0.05
Sodium	0.9	mg/L	0.06
Sulfate	4	mg/L	0.8

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 02/03/05

Work Order: C05010491

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R45987		
Sample ID: LRB	Method Blank							01/31/05 14:10	
Aluminum	ND	mg/L	0.0002						
Beryllium	ND	mg/L	0.00003						
Cadmium	ND	mg/L	0.0002						
Cobalt	ND	mg/L	0.00003						
Lead	ND	mg/L	0.00002						
Manganese	ND	mg/L	0.00003						
Molybdenum	0.0001	mg/L	0.00007						
Nickel	ND	mg/L	0.00008						
Uranium	ND	mg/L	0.00004						
Vanadium	ND	mg/L	0.00009						
Sample ID: C05010748-001CMS4	Post Digestion Spike							01/31/05 18:13	
Aluminum	0.0598	mg/L	0.10	101	70	130			
Beryllium	0.0501	mg/L	0.010	100	70	130			
Cadmium	0.0488	mg/L	0.010	97.6	70	130			
Cobalt	0.0533	mg/L	0.010	97.8	70	130			
Lead	0.0523	mg/L	0.050	104	70	130			
Manganese	0.470	mg/L	0.010	0	70	130			A
Molybdenum	0.0522	mg/L	0.10	101	70	130			
Nickel	0.0599	mg/L	0.050	96.1	70	130			
Uranium	0.102	mg/L	0.00030	111	70	130			
Vanadium	0.0528	mg/L	0.10	103	70	130			
Sample ID: C05010748-001CMSD4	Post Digestion Spike Dup							01/31/05 18:49	
Aluminum	0.0592	mg/L	0.10	99.9	70	130	0	20	
Beryllium	0.0511	mg/L	0.010	102	70	130	2.0	20	
Cadmium	0.0479	mg/L	0.010	95.7	70	130	2.0	20	
Cobalt	0.0527	mg/L	0.010	96.5	70	130	1.2	20	
Lead	0.0517	mg/L	0.050	103	70	130	1.1	20	
Manganese	0.468	mg/L	0.010	0	70	130	0.4	20	A
Molybdenum	0.0518	mg/L	0.10	101	70	130	0	20	
Nickel	0.0590	mg/L	0.050	94.3	70	130	1.5	20	
Uranium	0.103	mg/L	0.00030	112	70	130	0.6	20	
Vanadium	0.0531	mg/L	0.10	104	70	130	0	20	
Sample ID: C05010410-004AMS4	Post Digestion Spike							01/31/05 20:44	
Aluminum	0.0572	mg/L	0.10	103	70	130			
Beryllium	0.0522	mg/L	0.010	104	70	130			
Cadmium	0.0509	mg/L	0.010	102	70	130			
Cobalt	0.0503	mg/L	0.010	101	70	130			
Lead	0.0511	mg/L	0.050	101	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 02/03/05
Work Order: C05010491

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R45987		
Sample ID: C05010410-004AMS4	Post Digestion Spike							01/31/05 20:44	
Manganese	0.0501	mg/L	0.010	99.6	70	130			
Molybdenum	0.0498	mg/L	0.10	99.2	70	130			
Nickel	0.0516	mg/L	0.050	103	70	130			
Uranium	0.0507	mg/L	0.00030	101	70	130			
Vanadium	0.0504	mg/L	0.10	101	70	130			
Sample ID: C05010410-004AMSD4	Post Digestion Spike Dup							01/31/05 20:51	
Aluminum	0.0572	mg/L	0.10	102	70	130	0	20	
Beryllium	0.0524	mg/L	0.010	105	70	130	0.2	20	
Cadmium	0.0501	mg/L	0.010	100	70	130	1.7	20	
Cobalt	0.0506	mg/L	0.010	101	70	130	0.4	20	
Lead	0.0508	mg/L	0.050	100	70	130	0.6	20	
Manganese	0.0503	mg/L	0.010	100	70	130	0.3	20	
Molybdenum	0.0491	mg/L	0.10	97.8	70	130	0	20	
Nickel	0.0515	mg/L	0.050	103	70	130	0.2	20	
Uranium	0.0500	mg/L	0.00030	100	70	130	1.4	20	
Vanadium	0.0507	mg/L	0.10	101	70	130	0	20	
Sample ID: C05010887-001BMS4	Post Digestion Spike							01/31/05 21:12	
Aluminum	0.247	mg/L	0.10	0	70	130			A
Beryllium	0.0444	mg/L	0.010	88.7	70	130			
Cadmium	0.0457	mg/L	0.010	91.5	70	130			
Cobalt	0.0498	mg/L	0.010	98.7	70	130			
Lead	0.0526	mg/L	0.050	105	70	130			
Manganese	0.123	mg/L	0.010	100	70	130			
Molybdenum	0.0511	mg/L	0.10	101	70	130			
Nickel	0.0539	mg/L	0.050	97.6	70	130			
Uranium	0.0566	mg/L	0.00030	109	70	130			
Vanadium	0.0510	mg/L	0.10	102	70	130			
Sample ID: C05010887-001BMSD4	Post Digestion Spike Dup							01/31/05 21:19	
Aluminum	0.242	mg/L	0.10	0	70	130	2.0	20	A
Beryllium	0.0446	mg/L	0.010	89.1	70	130	0.4	20	
Cadmium	0.0449	mg/L	0.010	89.7	70	130	1.9	20	
Cobalt	0.0510	mg/L	0.010	101	70	130	2.4	20	
Lead	0.0522	mg/L	0.050	104	70	130	0.9	20	
Manganese	0.125	mg/L	0.010	105	70	130	1.8	20	
Molybdenum	0.0500	mg/L	0.10	99.3	70	130	0	20	
Nickel	0.0546	mg/L	0.050	99.2	70	130	1.4	20	
Uranium	0.0567	mg/L	0.00030	110	70	130	0.3	20	
Vanadium	0.0507	mg/L	0.10	101	70	130	0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 02/03/05

Work Order: C05010491

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R45987		
Sample ID: C05010491-003AMS4	Post Digestion Spike								01/31/05 23:50
Aluminum	15.5	mg/L	0.10	0	70	130			A
Beryllium	0.247	mg/L	0.010	88.9	70	130			
Cadmium	0.242	mg/L	0.010	97	70	130			
Cobalt	0.616	mg/L	0.010	106	70	130			
Lead	0.264	mg/L	0.050	102	70	130			
Manganese	6.47	mg/L	0.010	0	70	130			A
Molybdenum	0.244	mg/L	0.10	97.2	70	130			
Nickel	0.706	mg/L	0.050	100	70	130			
Uranium	0.342	mg/L	0.00030	106	70	130			
Vanadium	0.254	mg/L	0.10	102	70	130			
Sample ID: C05010491-003AMSD4	Post Digestion Spike Dup								01/31/05 23:58
Aluminum	16.5	mg/L	0.10	0	70	130	6.7	20	A
Beryllium	0.263	mg/L	0.010	95.5	70	130	6.5	20	
Cadmium	0.241	mg/L	0.010	96.4	70	130	0.6	20	
Cobalt	0.593	mg/L	0.010	96.7	70	130	3.8	20	
Lead	0.264	mg/L	0.050	102	70	130	0	20	
Manganese	6.37	mg/L	0.010	0	70	130	1.6	20	A
Molybdenum	0.251	mg/L	0.10	99.6	70	130	2.5	20	
Nickel	0.685	mg/L	0.050	91.7	70	130	3.0	20	
Uranium	0.338	mg/L	0.00030	105	70	130	1.2	20	
Vanadium	0.255	mg/L	0.10	102	70	130	0.4	20	
Sample ID: C05010488-002AMS4	Post Digestion Spike								02/01/05 03:26
Aluminum	0.690	mg/L	0.10	102	70	130			
Beryllium	0.501	mg/L	0.010	100	70	130			
Cadmium	0.471	mg/L	0.010	94.2	70	130			
Cobalt	0.474	mg/L	0.010	91.2	70	130			
Lead	0.490	mg/L	0.050	98.1	70	130			
Manganese	2.92	mg/L	0.010	0	70	130			A
Molybdenum	0.505	mg/L	0.10	101	70	130			
Nickel	0.546	mg/L	0.050	92.2	70	130			
Uranium	0.527	mg/L	0.00035	99.6	70	130			
Vanadium	0.498	mg/L	0.10	99.3	70	130			
Sample ID: C05010488-002AMSD4	Post Digestion Spike Dup								02/01/05 03:33
Aluminum	0.702	mg/L	0.10	104	70	130	1.6	20	
Beryllium	0.503	mg/L	0.010	101	70	130	0.3	20	
Cadmium	0.479	mg/L	0.010	95.8	70	130	1.7	20	
Cobalt	0.492	mg/L	0.010	94.6	70	130	3.6	20	
Lead	0.501	mg/L	0.050	100	70	130	2.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 02/03/05
Work Order: C05010491

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R45987		
Sample ID: C05010488-002AMSD4 Post Digestion Spike Dup							02/01/05 03:33		
Manganese	2.99	mg/L	0.010	0	70	130	2.3	20	A
Molybdenum	0.521	mg/L	0.10	104	70	130	3.1	20	
Nickel	0.558	mg/L	0.050	94.7	70	130	2.2	20	
Uranium	0.543	mg/L	0.00035	103	70	130	3.0	20	
Vanadium	0.508	mg/L	0.10	101	70	130	2.0	20	
Sample ID: C05010511-001AMS4 Post Digestion Spike							02/01/05 03:54		
Aluminum	0.430	mg/L	0.10	0	70	130			A
Beryllium	0.0544	mg/L	0.010	109	70	130			
Cadmium	0.0515	mg/L	0.010	103	70	130			
Cobalt	0.0508	mg/L	0.010	101	70	130			
Lead	0.0503	mg/L	0.050	100	70	130			
Manganese	0.0633	mg/L	0.010	103	70	130			
Molybdenum	0.0506	mg/L	0.10	101	70	130			
Nickel	0.0510	mg/L	0.050	101	70	130			
Uranium	0.0505	mg/L	0.00030	101	70	130			
Vanadium	0.0522	mg/L	0.10	103	70	130			
Sample ID: C05010511-001AMSD4 Post Digestion Spike Dup							02/01/05 04:30		
Aluminum	0.428	mg/L	0.10	0	70	130	0.4	20	A
Beryllium	0.0510	mg/L	0.010	102	70	130	6.4	20	
Cadmium	0.0494	mg/L	0.010	98.8	70	130	4.1	20	
Cobalt	0.0488	mg/L	0.010	97.2	70	130	4.0	20	
Lead	0.0494	mg/L	0.050	98.3	70	130	0	20	
Manganese	0.0607	mg/L	0.010	97.9	70	130	4.2	20	
Molybdenum	0.0488	mg/L	0.10	97.3	70	130	0	20	
Nickel	0.0494	mg/L	0.050	97.5	70	130	0	20	
Uranium	0.0498	mg/L	0.00030	99.5	70	130	1.4	20	
Vanadium	0.0501	mg/L	0.10	98.9	70	130	0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 02/03/05
Work Order: C05010491

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2			Batch: A2005-01-17_1_NO3_02						
Sample ID: MBLK-1	Method Blank								01/17/05 11:18
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05010492-010EMS	Matrix Spike								01/17/05 11:53
Nitrogen, Nitrate+Nitrite as N	1.87	mg/L	0.10	93.5	90	110			
Sample ID: C05010492-010EMSD	Matrix Spike Duplicate								01/17/05 11:55
Nitrogen, Nitrate+Nitrite as N	1.83	mg/L	0.10	91.5	90	110	2.2	10	
Sample ID: MBLK-17	Method Blank								01/17/05 12:10
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05010492-011EMS	Matrix Spike								01/17/05 12:39
Nitrogen, Nitrate+Nitrite as N	1.89	mg/L	0.10	94.5	90	110			
Sample ID: C05010492-011EMSD	Matrix Spike Duplicate								01/17/05 12:42
Nitrogen, Nitrate+Nitrite as N	1.88	mg/L	0.10	94	90	110	0.5	10	
Method: E353.2			Batch: A2005-01-17_1_NO3_03						
Sample ID: MBLK-1	Method Blank								01/17/05 13:41
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05010491-007DMS	Matrix Spike								01/17/05 13:57
Nitrogen, Nitrate+Nitrite as N	2.26	mg/L	0.10	93.5	90	110			
Sample ID: C05010491-007DMSD	Matrix Spike Duplicate								01/17/05 13:59
Nitrogen, Nitrate+Nitrite as N	2.36	mg/L	0.10	98.5	90	110	4.3	10	
Sample ID: MBLK-17	Method Blank								01/17/05 14:32
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05010490-003DMS	Matrix Spike								01/17/05 14:47
Nitrogen, Nitrate+Nitrite as N	1.96	mg/L	0.10	98	90	110			
Sample ID: C05010490-003DMSD	Matrix Spike Duplicate								01/17/05 14:49
Nitrogen, Nitrate+Nitrite as N	1.90	mg/L	0.10	95	90	110	3.1	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 02/03/05

Work Order: C05010491

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							Batch: R45719		
Sample ID: 21-Jan-05_LCS_3	Laboratory Control Spike		01/21/05 13:31						
Chloroform	8.96	ug/L	1.0	89.6	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	95.2	80	120			
Surr: Dibromofluoromethane			1.0	101	70	130			
Surr: p-Bromofluorobenzene			1.0	124	75	125			
Surr: Toluene-d8			1.0	101	80	120			
Sample ID: 21-Jan-05_MBLK_6							01/21/05 15:45		
Chloroform	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			0.5	106	80	120			
Surr: Dibromofluoromethane			0.5	103	70	130			
Surr: p-Bromofluorobenzene			0.5	98.8	75	125			
Surr: Toluene-d8			0.5	101	80	120			
Sample ID: C05010490-003EMS							01/22/05 00:46		
Chloroform	86.8	ug/L	5.0	86.8	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	106	80	120			
Surr: Dibromofluoromethane			5.0	101	70	130			
Surr: p-Bromofluorobenzene			5.0	108	75	125			
Surr: Toluene-d8			5.0	100	80	120			
Sample ID: C05010490-003EMSD							01/22/05 01:31		
Chloroform	88.4	ug/L	5.0	88.4	70	130	1.8	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	103	80	120	0	10	
Surr: Dibromofluoromethane			5.0	101	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	102	75	125	0	10	
Surr: Toluene-d8			5.0	102	80	120	0	10	
Method: E900.1							Batch: R45753		
Sample ID: C05010585-0011							01/20/05 12:00		
Gross Alpha minus Rn & U	38.6	pCi/L	1.0	102	70	130			
Sample ID: C05010585-0011							01/20/05 12:00		
Gross Alpha minus Rn & U	32.9	pCi/L	1.0	87.3	70	130	16	30	
Sample ID: MB-R45753							01/20/05 12:00		
Gross Alpha minus Rn & U	ND	pCi/L	1						
Sample ID: LCS-R45753							01/20/05 12:00		
Gross Alpha minus Rn & U	26.8	pCi/L	1.0	71.1	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 02/03/05

Work Order: C05010491

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0							Batch: RA226-0873		
Sample ID: C05010491-011AMS	Matrix Spike								01/17/05 12:45
Radium 226	35	pCi/L	0.20	81.6	70	130			
Sample ID: C05010491-011AMSD	Matrix Spike Duplicate								01/17/05 12:45
Radium 226	33	pCi/L	0.20	76.6	70	130	5.5	26.6	
Sample ID: MB-RA226-0873	Method Blank								01/17/05 12:45
Radium 226	ND	pCi/L	0.2						
Method: E904.0							Batch: RA228-0795		
Sample ID: LCS-228-RA226-0873	Laboratory Control Spike								01/17/05 12:15
Radium 228	8.9	pCi/L	1.0	87.4	70	130			
Sample ID: MB-RA226-873	Method Blank								01/17/05 12:15
Radium 228	ND	pCi/L	1						
Sample ID: C05010490-001AMS	Matrix Spike								01/17/05 12:15
Radium 228	24	pCi/L	1.0	94.1	70	130			
Sample ID: C05010490-001AMSD	Matrix Spike Duplicate								01/17/05 12:15
Radium 228	25	pCi/L	1.0	96.8	70	130	2.8	33.3	
Method: E907.0							Batch: R45661		
Sample ID: MB-R45661	Method Blank								01/17/05 10:30
Thorium 230	ND	pCi/L	0.2						
Sample ID: LCS-R45661	Laboratory Control Spike								01/17/05 10:30
Thorium 230	21.3	pCi/L	0.20	85.2	70	130			
Sample ID: C05010491-011AMS	Matrix Spike								01/17/05 10:30
Thorium 230	151	pCi/L	0.20	121	70	130			
Sample ID: C05010491-011AMSD	Matrix Spike Duplicate								01/17/05 10:30
Thorium 230	125	pCi/L	0.20	100	70	130	19	30	

Qualifiers:

—L - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 02/03/05
Work Order: C05010491

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: NERHL-65-4									Batch: 05PB-45
Sample ID: 210	Laboratory Control Spike								01/20/05 05:44
Lead 210	85	pCi/L	1.0	96.7	70	130			
Sample ID: C05010491-001A	Matrix Spike								01/20/05 05:44
Lead 210	170	pCi/L	1.0	77.9	70	130			
Sample ID: C05010491-001A	Matrix Spike Duplicate								01/20/05 05:44
Lead 210	200	pCi/L	1.0	93.2	70	130	18	30	
Sample ID: MB	Method Blank								01/20/05 05:44
Lead 210	ND	pCi/L	1						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



ANALYTICAL SUMMARY REPORT

May 03, 2005

Max Chischilly
United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C05040334

Quote ID: C129 - Quarterly Long List

Project Name: Zone 3

Energy Laboratories Inc. received the following 1 sample from United Nuclear Corp on 4/8/2005 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C05040334-001	613	04/05/05 15:35	04/08/05	Aqueous	Metals by ICP/ICPMS, Total Alkalinity QA Calculations Arsenic-III, Total Selenium-IV, Total Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved E624 Purgeable Organics

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative or Report.

If you have any questions regarding these tests results, please call.

Report Approved By:


JAMES YOCUM
QUALITY ASSURANCE DIRECTOR



QA/QC Summary Report

Client: United Nuclear Corp

Report Date: 05/02/05

Project: Zone 3

Work Order: C05040334

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B							Batch: 050414_1_ALK-W		
Sample ID: MBLK1_050414_1	Method Blank								04/14/05 11:32
Bicarbonate as HCO ₃	ND	mg/L		1					
Sample ID: MBLK2_050414_1	Method Blank								04/14/05 16:03
Bicarbonate as HCO ₃	ND	mg/L		1					

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/02/05

Work Order: C05040334

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C			Batch: 050412A-SLDS-TDS-W						
Sample ID: LCS1_050412A	Laboratory Control Spike								04/12/05 12:21
Solids, Total Dissolved TDS @ 180 C	1000	mg/L	10	100	90	110			
Sample ID: MBLK1_050412A	Method Blank								04/12/05 14:44
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05040336-004CMS	Matrix Spike								04/12/05 14:47
Solids, Total Dissolved TDS @ 180 C	13000	mg/L	10	99.4	90	110			
Sample ID: C05040336-004CMSD	Matrix Spike Duplicate								04/12/05 14:48
Solids, Total Dissolved TDS @ 180 C	13100	mg/L	10	101	90	110	1.4	10	
Sample ID: C05040339-007DDUP	Sample Duplicate								04/12/05 15:00
Solids, Total Dissolved TDS @ 180 C	1100	mg/L	10				0.9	10	
Sample ID: C05040339-007DMS	Matrix Spike								04/12/05 15:01
Solids, Total Dissolved TDS @ 180 C	10900	mg/L	10	97.8	90	110			
Sample ID: C05040339-007DMSD	Matrix Spike Duplicate								04/12/05 15:01
Solids, Total Dissolved TDS @ 180 C	11000	mg/L	10	98.8	90	110	0.9	10	
Sample ID: LCS2_050412A	Laboratory Control Spike								04/12/05 15:02
Solids, Total Dissolved TDS @ 180 C	1000	mg/L	10	100	90	110			
Sample ID: MBLK2_050412A	Method Blank								04/12/05 15:19
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05040356-005AMS	Matrix Spike								04/12/05 15:29
Solids, Total Dissolved TDS @ 180 C	10200	mg/L	10	100	90	110			
Sample ID: C05040356-005AMSD	Matrix Spike Duplicate								04/12/05 15:29
Solids, Total Dissolved TDS @ 180 C	10300	mg/L	10	101	90	110	0.7	10	
Sample ID: C05040420-005CDUP	Sample Duplicate								04/12/05 15:33
Solids, Total Dissolved TDS @ 180 C	8810	mg/L	10				0.5	10	
Sample ID: C05040420-005CMS	Matrix Spike								04/12/05 15:34
Solids, Total Dissolved TDS @ 180 C	29000	mg/L	10	101	90	110			
Sample ID: C05040420-005CMSD	Matrix Spike Duplicate								04/12/05 15:34
Solids, Total Dissolved TDS @ 180 C	29300	mg/L	10	102	90	110	0.8	10	
Sample ID: LCS3_050412A	Laboratory Control Spike								04/12/05 15:34
Solids, Total Dissolved TDS @ 180 C	998	mg/L	10	99.8	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/02/05

Work Order: C05040334

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: ASIII3114-050411		
Sample ID: MBLK	Method Blank								04/11/05 10:41
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05040333-001AMS	Matrix Spike								04/11/05 11:03
Arsenic-III	0.0476	mg/L	0.0010	95.1	85	115			
Sample ID: C05040333-001AMSD	Matrix Spike Duplicate								04/11/05 11:05
Arsenic-III	0.0478	mg/L	0.0010	95.6	85	115	0.5		10
Sample ID: C265-37-6	Laboratory Control Spike								04/11/05 11:07
Arsenic-III	0.0488	mg/L	0.0010	97.6	90	110			
Sample ID: MBLK	Method Blank								04/11/05 11:20
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05040333-011AMS	Matrix Spike								04/11/05 11:42
Arsenic-III	0.0513	mg/L	0.0010	103	85	115			
Sample ID: C05040333-011AMSD	Matrix Spike Duplicate								04/11/05 11:44
Arsenic-III	0.0515	mg/L	0.0010	103	85	115	0.3		10
Sample ID: C265-37-6	Laboratory Control Spike								04/11/05 11:46
Arsenic-III	0.0499	mg/L	0.0010	99.8	90	110			
Sample ID: MBLK	Method Blank								04/11/05 11:52
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05040335-003AMS	Matrix Spike								04/11/05 11:56
Arsenic-III	0.0493	mg/L	0.0010	98.7	85	115			
Sample ID: C05040335-003AMSD	Matrix Spike Duplicate								04/11/05 11:58
Arsenic-III	0.0510	mg/L	0.0010	102	85	115	3.3		10
Sample ID: C265-37-6	Laboratory Control Spike								04/11/05 12:00
Arsenic-III	0.0486	mg/L	0.0010	97.2	90	110			
Sample ID: MBLK	Method Blank								04/11/05 12:04
Arsenic-III	ND	mg/L	0.0005						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 05/02/05
Work Order: C05040334

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: SEIV3114-050413		
Sample ID: MBLK	Method Blank								04/13/05 09:38
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05040333-001AMS	Matrix Spike								04/13/05 09:59
Selenium-IV	0.0503	mg/L	0.0010	101	85	115			
Sample ID: C05040333-001AMSD	Matrix Spike Duplicate								04/13/05 10:01
Selenium-IV	0.0486	mg/L	0.0010	97.1	85	115	3.6		10
Sample ID: C265-37-6	Laboratory Control Spike								04/13/05 10:03
Selenium-IV	0.0525	mg/L	0.0010	105	90	110			
Sample ID: MBLK	Method Blank								04/13/05 10:09
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05040333-011AMS	Matrix Spike								04/13/05 10:33
Selenium-IV	0.0482	mg/L	0.0010	96.3	85	115			
Sample ID: C05040333-011AMSD	Matrix Spike Duplicate								04/13/05 10:35
Selenium-IV	0.0499	mg/L	0.0010	99.8	85	115	3.5		10
Sample ID: C265-37-6	Laboratory Control Spike								04/13/05 10:37
Selenium-IV	0.0500	mg/L	0.0010	100	90	110			
Sample ID: MBLK	Method Blank								04/13/05 10:43
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05040335-003AMS	Matrix Spike								04/13/05 10:52
Selenium-IV	0.0516	mg/L	0.0010	98.2	85	115			
Sample ID: C05040335-003AMSD	Matrix Spike Duplicate								04/13/05 10:54
Selenium-IV	0.0496	mg/L	0.0010	94.3	85	115	3.8		10
Sample ID: C265-37-6	Laboratory Control Spike								04/13/05 10:56
Selenium-IV	0.0494	mg/L	0.0010	98.8	90	110			
Sample ID: MBLK	Method Blank								04/13/05 10:59
Selenium-IV	ND	mg/L	0.0002						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/02/05

Work Order: C05040334

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B							Batch: PHSC050412A		
Sample ID: C05040333-011CDUP	Sample Duplicate							04/12/05 14:23	
pH	7.54	s.u.	0.010				0.4	10	
Sample ID: C05040335-002BDUP	Sample Duplicate							04/12/05 14:52	
pH	4.69	s.u.	0.010				0.9	10	
Sample ID: C05040420-001CDUP	Sample Duplicate							04/12/05 15:19	
pH	8.24	s.u.	0.010				0	10	
Method: A4500-NH3 G							Batch: A2005-04-12_1_NH3_01		
Sample ID: MBLK-1	Method Blank							04/12/05 08:47	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05040333-016DMS	Matrix Spike							04/12/05 09:01	
Nitrogen, Ammonia as N	2.17	mg/L	0.050	108	80	120			
Sample ID: C05040333-016DMSD	Matrix Spike Duplicate							04/12/05 09:03	
Nitrogen, Ammonia as N	2.12	mg/L	0.050	106	80	120	2.3	20	
Sample ID: MBLK-17	Method Blank							04/12/05 09:19	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05040339-006CMS	Matrix Spike							04/12/05 09:35	
Nitrogen, Ammonia as N	2.03	mg/L	0.050	102	80	120			
Sample ID: C05040339-006CMSD	Matrix Spike Duplicate							04/12/05 09:37	
Nitrogen, Ammonia as N	2.02	mg/L	0.050	101	80	120	0.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/02/05

Work Order: C05040334

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R48869		
Sample ID: C05040333-011AMS1	Matrix Spike								04/13/05 13:47
Calcium	1020	mg/L	0.57	93.4	70	130			
Magnesium	1400	mg/L	0.53	78.6	70	130			
Potassium	477	mg/L	0.52	93	70	130			
Sodium	854	mg/L	0.62	93.7	70	130			
Sample ID: C05040333-011AMSD1	Matrix Spike Duplicate								04/13/05 13:56
Calcium	1020	mg/L	0.57	94.4	70	130	0.5	20	
Magnesium	1410	mg/L	0.53	80.2	70	130	0.6	20	
Potassium	483	mg/L	0.52	94.2	70	130	1.2	20	
Sodium	855	mg/L	0.62	93.9	70	130	0.1	20	
Sample ID: C05040335-001AMS1	Matrix Spike								04/13/05 15:15
Potassium	483	mg/L	0.52	93.9	70	130			
Sodium	900	mg/L	0.62	92.8	70	130			
Sample ID: C05040335-001AMS3	Matrix Spike								04/13/05 15:21
Chloride	778	mg/L	1.0	105	70	130			
Sulfate	9300	mg/L	8.0	102	70	130			
Sample ID: C05040335-001AMSD1	Matrix Spike Duplicate								04/13/05 15:24
Potassium	494	mg/L	0.52	96.1	70	130	2.3	20	
Sodium	916	mg/L	0.62	96	70	130	1.8	20	
Sample ID: C05040335-001AMSD3	Matrix Spike Duplicate								04/13/05 16:09
Chloride	765	mg/L	1.0	102	70	130	1.7	20	
Sulfate	9160	mg/L	8.0	98.9	70	130	1.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/02/05

Work Order: C05040334

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R48755		
Sample ID: LRB	Method Blank						04/11/05 10:56		
Cadmium	ND	mg/L	0.0002						
Cobalt	ND	mg/L	0.00003						
Lead	0.00002	mg/L	0.00002						
Molybdenum	0.0005	mg/L	0.00007						
Nickel	ND	mg/L	0.00008						
Uranium	ND	mg/L	0.00004						
Vanadium	ND	mg/L	0.00009						
Sample ID: C05040249-005CMS4	Post Digestion Spike						04/11/05 11:27		
Cadmium	2.40	mg/L	0.010	96	70	130			
Cobalt	2.51	mg/L	0.010	100	70	130			
Lead	2.68	mg/L	0.050	105	70	130			
Molybdenum	227	mg/L	0.10		70	130			A
Nickel	2.35	mg/L	0.050	92.9	70	130			
Uranium	134	mg/L	0.0018		70	130			A
Vanadium	3.01	mg/L	0.10	106	70	130			
Sample ID: C05040249-005CMSD4	Post Digestion Spike Dup						04/11/05 11:35		
Cadmium	2.51	mg/L	0.010	100	70	130	4.4	20	
Cobalt	2.62	mg/L	0.010	105	70	130	4.0	20	
Lead	2.74	mg/L	0.050	107	70	130	2.4	20	
Molybdenum	230	mg/L	0.10		70	130	1.4	20	A
Nickel	2.40	mg/L	0.050	94.9	70	130	2.1	20	
Uranium	137	mg/L	0.0018		70	130	2.6	20	A
Vanadium	3.08	mg/L	0.10	109	70	130	2.3	20	
Sample ID: C05040295-001CMS4	Post Digestion Spike						04/11/05 12:00		
Cadmium	0.049	mg/L	0.0010	98	70	130			
Cobalt	0.049	mg/L	0.010	98.2	70	130			
Lead	0.051	mg/L	0.0010	101	70	130			
Molybdenum	0.052	mg/L	0.10	99.4	70	130			
Nickel	0.048	mg/L	0.050	95.1	70	130			
Uranium	0.051	mg/L	0.00030	102	70	130			
Vanadium	0.051	mg/L	0.10	100	70	130			
Sample ID: C05040295-001CMSD4	Post Digestion Spike Dup						04/11/05 12:38		
Cadmium	0.049	mg/L	0.0010	97.9	70	130	0	20	
Cobalt	0.048	mg/L	0.010	96.6	70	130	1.6	20	
Lead	0.051	mg/L	0.0010	101	70	130	0.8	20	
Molybdenum	0.053	mg/L	0.10	101	70	130	0	20	
Nickel	0.047	mg/L	0.050	93.7	70	130	0	20	
Uranium	0.051	mg/L	0.00030	101	70	130	0.5	20	
Vanadium	0.051	mg/L	0.10	100	70	130	0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/02/05

Work Order: C05040334

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R48755		
Sample ID: C05040302-001CMS4 Post Digestion Spike							04/11/05 13:01		
Cadmium	0.0419	mg/L	0.010	83.8	70	130			
Cobalt	0.0478	mg/L	0.010	95	70	130			
Lead	0.0524	mg/L	0.050	103	70	130			
Molybdenum	0.0527	mg/L	0.10	99.3	70	130			
Nickel	0.0448	mg/L	0.050	86.2	70	130			
Uranium	0.0548	mg/L	0.00030	109	70	130			
Vanadium	0.0510	mg/L	0.10	97.5	70	130			
Sample ID: C05040302-001CMSD4 Post Digestion Spike Dup							04/11/05 13:09		
Cadmium	0.0418	mg/L	0.010	83.6	70	130	0.3	20	
Cobalt	0.0484	mg/L	0.010	96.2	70	130	1.3	20	
Lead	0.0525	mg/L	0.050	103	70	130	0.2	20	
Molybdenum	0.0528	mg/L	0.10	99.4	70	130	0	20	
Nickel	0.0456	mg/L	0.050	87.9	70	130	0	20	
Uranium	0.0551	mg/L	0.00030	109	70	130	0.4	20	
Vanadium	0.0521	mg/L	0.10	99.6	70	130	0	20	
Sample ID: C05040307-010CMS4 Post Digestion Spike							04/11/05 16:03		
Cadmium	0.517	mg/L	0.010	103	70	130			
Cobalt	0.518	mg/L	0.010	101	70	130			
Lead	0.516	mg/L	0.050	103	70	130			
Molybdenum	0.514	mg/L	0.10	103	70	130			
Nickel	0.503	mg/L	0.050	99.6	70	130			
Uranium	0.522	mg/L	0.00035	104	70	130			
Vanadium	0.513	mg/L	0.10	102	70	130			
Sample ID: C05040307-010CMSD4 Post Digestion Spike Dup							04/11/05 16:10		
Cadmium	0.522	mg/L	0.010	104	70	130	1.0	20	
Cobalt	0.526	mg/L	0.010	103	70	130	1.5	20	
Lead	0.522	mg/L	0.050	104	70	130	1.3	20	
Molybdenum	0.529	mg/L	0.10	106	70	130	3.0	20	
Nickel	0.514	mg/L	0.050	102	70	130	2.2	20	
Uranium	0.532	mg/L	0.00035	106	70	130	1.7	20	
Vanadium	0.518	mg/L	0.10	103	70	130	1.0	20	
Sample ID: C05040326-003AMS4 Post Digestion Spike							04/11/05 19:48		
Cadmium	0.0457	mg/L	0.010	90.3	70	130			
Cobalt	0.0446	mg/L	0.010	87.6	70	130			
Lead	0.0496	mg/L	0.050	99.1	70	130			
Molybdenum	0.0497	mg/L	0.10	98	70	130			
Nickel	0.0542	mg/L	0.050	105	70	130			
Uranium	0.0545	mg/L	0.00030	106	70	130			
Vanadium	0.0499	mg/L	0.10	92.4	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/02/05

Work Order: C05040334

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R48755
Sample ID: C05040326-003AMSD4	Post Digestion Spike Dup								04/11/05 19:55
Cadmium	0.0437	mg/L	0.010	86.4	70	130	4.5	20	
Cobalt	0.0450	mg/L	0.010	88.4	70	130	0.8	20	
Lead	0.0491	mg/L	0.050	98.1	70	130	0	20	
Molybdenum	0.0468	mg/L	0.10	92.3	70	130	0	20	
Nickel	0.0563	mg/L	0.050	109	70	130	3.9	20	
Uranium	0.0530	mg/L	0.00030	103	70	130	2.8	20	
Vanadium	0.0484	mg/L	0.10	89.3	70	130	0	20	
Sample ID: C05040333-001AMS4	Post Digestion Spike								04/11/05 20:24
Cadmium	0.237	mg/L	0.010	94.8	70	130			
Cobalt	0.242	mg/L	0.010	94.7	70	130			
Lead	0.254	mg/L	0.050	100	70	130			
Molybdenum	0.249	mg/L	0.10	98.1	70	130			
Nickel	0.261	mg/L	0.050	98.2	70	130			
Uranium	0.479	mg/L	0.00030	105	70	130			
Vanadium	0.258	mg/L	0.10	99.5	70	130			
Sample ID: C05040333-001AMSD4	Post Digestion Spike Dup								04/11/05 20:32
Cadmium	0.242	mg/L	0.010	96.8	70	130	2.1	20	
Cobalt	0.245	mg/L	0.010	95.8	70	130	1.1	20	
Lead	0.257	mg/L	0.050	101	70	130	1.2	20	
Molybdenum	0.254	mg/L	0.10	100	70	130	1.9	20	
Nickel	0.268	mg/L	0.050	101	70	130	2.7	20	
Uranium	0.484	mg/L	0.00030	108	70	130	1.1	20	
Vanadium	0.260	mg/L	0.10	100	70	130	0.7	20	
Sample ID: C05040333-011AMS4	Post Digestion Spike								04/11/05 23:12
Cadmium	0.0429	mg/L	0.010	84.7	70	130			
Cobalt	0.0565	mg/L	0.010	83.7	70	130			
Lead	0.0504	mg/L	0.050	100	70	130			
Molybdenum	0.0522	mg/L	0.10	99.4	70	130			
Nickel	0.106	mg/L	0.050	80.4	70	130			
Uranium	0.0880	mg/L	0.00030	110	70	130			
Vanadium	0.0488	mg/L	0.10	93.8	70	130			
Sample ID: C05040333-011AMSD4	Post Digestion Spike Dup								04/11/05 23:19
Cadmium	0.0428	mg/L	0.010	84.3	70	130	0.4	20	
Cobalt	0.0570	mg/L	0.010	84.8	70	130	0.9	20	
Lead	0.0508	mg/L	0.050	101	70	130	0.9	20	
Molybdenum	0.0523	mg/L	0.10	99.7	70	130	0	20	
Nickel	0.108	mg/L	0.050	84.6	70	130	2.0	20	
Uranium	0.0888	mg/L	0.00030	111	70	130	0.9	20	
Vanadium	0.0483	mg/L	0.10	92.8	70	130	0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 05/02/05
Work Order: C05040334

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R48806		
Sample ID: LRB	Method Blank							04/12/05 11:02	
Aluminum	ND	mg/L	0.0002						
Beryllium	ND	mg/L	0.00003						
Manganese	ND	mg/L	0.00003						
Sample ID: C05040367-001AMS4	Post Digestion Spike							04/12/05 12:56	
Aluminum	0.586	mg/L	0.10	103	70	130			
Beryllium	0.479	mg/L	0.010	95.7	70	130			
Manganese	0.582	mg/L	0.010	104	70	130			
Sample ID: C05040367-001AMSD4	Post Digestion Spike Dup							04/12/05 13:04	
Aluminum	0.628	mg/L	0.10	111	70	130	6.8	20	
Beryllium	0.515	mg/L	0.010	103	70	130	7.4	20	
Manganese	0.623	mg/L	0.010	112	70	130	6.9	20	
Sample ID: C05040333-014AMS4	Post Digestion Spike							04/12/05 15:21	
Aluminum	0.292	mg/L	0.10	96.1	70	130			
Beryllium	0.219	mg/L	0.010	87.8	70	130			
Manganese	2.31	mg/L	0.010		70	130			A
Sample ID: C05040333-014AMSD4	Post Digestion Spike Dup							04/12/05 15:29	
Aluminum	0.291	mg/L	0.10	95.7	70	130	0.3	20	
Beryllium	0.219	mg/L	0.010	87.7	70	130	0	20	
Manganese	2.29	mg/L	0.010		70	130	0.9	20	A
Sample ID: C05040354-001CMS4	Post Digestion Spike							04/12/05 19:14	
Aluminum	0.734	mg/L	0.10	93.1	70	130			
Beryllium	0.494	mg/L	0.010	98.9	70	130			
Manganese	0.517	mg/L	0.010	98.7	70	130			
Sample ID: C05040354-001CMSD4	Post Digestion Spike Dup							04/12/05 19:22	
Aluminum	0.715	mg/L	0.10	89.3	70	130	2.6	20	
Beryllium	0.495	mg/L	0.010	99.1	70	130	0.2	20	
Manganese	0.525	mg/L	0.010	100	70	130	1.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/02/05

Work Order: C05040334

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2			Batch: A2005-04-13_1_NO3_01						
Sample ID: MBLK-1	Method Blank								04/13/05 10:19
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: MBLK-17	Method Blank								04/13/05 11:02
Nitrogen, Nitrate+Nitrite as N	0.04	mg/L	0.03						
Sample ID: C05040417-001BMS	Matrix Spike								04/13/05 11:22
Nitrogen, Nitrate+Nitrite as N	2.28	mg/L	0.10	92.5	90	110			
Sample ID: C05040417-001BMSD	Matrix Spike Duplicate								04/13/05 11:24
Nitrogen, Nitrate+Nitrite as N	2.33	mg/L	0.10	95	90	110	2.2	10	
Sample ID: MBLK-32	Method Blank								04/13/05 11:44
Nitrogen, Nitrate+Nitrite as N	0.07	mg/L	0.03						
Sample ID: C05040424-004CMS	Matrix Spike								04/13/05 12:02
Nitrogen, Nitrate+Nitrite as N	1.92	mg/L	0.10	93.5	90	110			
Sample ID: C05040424-004CMSD	Matrix Spike Duplicate								04/13/05 12:04
Nitrogen, Nitrate+Nitrite as N	1.96	mg/L	0.10	95.5	90	110	2.1	10	
Sample ID: MBLK-48	Method Blank								04/13/05 12:24
Nitrogen, Nitrate+Nitrite as N	0.04	mg/L	0.03						
Sample ID: C05040452-004EMS	Matrix Spike								04/13/05 12:39
Nitrogen, Nitrate+Nitrite as N	1.92	mg/L	0.10	94.5	90	110			
Sample ID: C05040452-004EMSD	Matrix Spike Duplicate								04/13/05 12:42
Nitrogen, Nitrate+Nitrite as N	1.92	mg/L	0.10	94.5	90	110	0	10	
Sample ID: MBLK-63	Method Blank								04/13/05 13:02
Nitrogen, Nitrate+Nitrite as N	0.04	mg/L	0.03						
Sample ID: C05040481-002AMS	Matrix Spike								04/13/05 13:17
Nitrogen, Nitrate+Nitrite as N	3.01	mg/L	0.10	106	90	110			
Sample ID: C05040481-002AMSD	Matrix Spike Duplicate								04/13/05 13:19
Nitrogen, Nitrate+Nitrite as N	3.05	mg/L	0.10	108	90	110	1.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/02/05

Work Order: C05040334

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R48795
Sample ID: 11-Apr-05_LCS_3	Laboratory Control Spike								04/11/05 09:06
Chloroform	4.44	ug/L	1.0	88.8	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	102	80	120			
Surr: Dibromofluoromethane			1.0	96.8	70	130			
Surr: p-Bromofluorobenzene			1.0	101	75	125			
Surr: Toluene-d8			1.0	98.4	80	120			
Sample ID: 11-Apr-05_MBLK_6	Method Blank								04/11/05 11:02
Chloroform	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			0.5	103	80	120			
Surr: Dibromofluoromethane			0.5	100	70	130			
Surr: p-Bromofluorobenzene			0.5	103	75	125			
Surr: Toluene-d8			0.5	98	80	120			
Sample ID: C05040334-001EMS	Matrix Spike								04/11/05 18:46
Chloroform	204	ug/L	2.5	126	70	130			
Surr: 1,2-Dichlorobenzene-d4			2.5	106	80	120			
Surr: Dibromofluoromethane			2.5	108	70	130			
Surr: p-Bromofluorobenzene			2.5	107	75	125			
Surr: Toluene-d8			2.5	96	80	120			
Sample ID: C05040334-001EMSD	Matrix Spike Duplicate								04/11/05 19:23
Chloroform	191	ug/L	2.5	100	70	130	6.6	20	
Surr: 1,2-Dichlorobenzene-d4			2.5	104	80	120	0	10	
Surr: Dibromofluoromethane			2.5	102	70	130	0	10	
Surr: p-Bromofluorobenzene			2.5	107	75	125	0	10	
Surr: Toluene-d8			2.5	98	80	120	0	10	
Sample ID: C05040335-002EMS	Matrix Spike								04/12/05 03:38
Chloroform	222	ug/L	2.5	130	70	130			
Surr: 1,2-Dichlorobenzene-d4			2.5	106	80	120			
Surr: Dibromofluoromethane			2.5	108	70	130			
Surr: p-Bromofluorobenzene			2.5	107	75	125			
Surr: Toluene-d8			2.5	95.6	80	120			
Sample ID: C05040335-002EMSD	Matrix Spike Duplicate								04/12/05 04:17
Chloroform	220	ug/L	2.5	126	70	130	0.9	20	
Surr: 1,2-Dichlorobenzene-d4			2.5	102	80	120	0	10	
Surr: Dibromofluoromethane			2.5	107	70	130	0	10	
Surr: p-Bromofluorobenzene			2.5	108	75	125	0	10	
Surr: Toluene-d8			2.5	94	80	120	0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/02/05

Work Order: C05040334

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1									Batch: R49506
Sample ID: C05040347-001I	Sample Duplicate								04/21/05 16:00
Gross Alpha minus Rn & U	ND	pCi/L	1.0				0		30
Sample ID: C05040347-002I	Matrix Spike								04/21/05 16:00
Gross Alpha minus Rn & U	40.2	pCi/L	1.0	107	70	130			
Sample ID: MB-R49506	Method Blank								04/21/05 16:00
Gross Alpha minus Rn & U	ND	pCi/L	1						
Sample ID: LCS-R49506	Laboratory Control Spike								04/21/05 16:00
Gross Alpha minus Rn & U	41.0	pCi/L	1.0	109	70	130			
Method: E903.0									Batch: RA226-0980
Sample ID: C05040331-001AMS	Matrix Spike								04/12/05 14:40
Radium 226	28	pCi/L	0.20	94.9	70	130			
Sample ID: C05040331-001AMSD	Matrix Spike Duplicate								04/12/05 14:40
Radium 226	29	pCi/L	0.20	97.8	70	130	2.5	25.3	
Sample ID: MB-RA226-0980	Method Blank								04/12/05 14:40
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-0980	Laboratory Control Spike								04/12/05 14:40
Radium 226	15	pCi/L	0.20	101	70	130			
Method: E904.0									Batch: RA228-0849
Sample ID: LCS-228-RA226-0980	Laboratory Control Spike								04/12/05 14:40
Radium 228	8.8	pCi/L	1.0	88.7	70	130			
Sample ID: MB-RA226-0980	Method Blank								04/12/05 14:40
Radium 228	ND	pCi/L	1						
Sample ID: C05040331-001AMS	Matrix Spike								04/12/05 14:40
Radium 228	17	pCi/L	1.0	81	70	130			
Sample ID: C05040331-001AMSD	Matrix Spike Duplicate								04/12/05 14:40
Radium 228	20	pCi/L	1.0	97.9	70	130	15	33.1	
Method: E907.0									Batch: R49002
Sample ID: C05040335-003AMS	Matrix Spike								04/12/05 10:30
Thorium 230	111	pCi/L	0.20	88.3	70	130			
Sample ID: C05040335-003AMSD	Matrix Spike Duplicate								04/12/05 10:30
Thorium 230	123	pCi/L	0.20	98.6	70	130	11	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/02/05

Work Order: C05040334

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: . NERHL-65-4									Batch: 05PB-14
Sample ID: 210	Laboratory Control Spike								04/18/05 17:50
Lead 210	85	pCi/L	1.0	98.2	70	130			
Sample ID: C05040334-001A	Sample Duplicate								04/18/05 17:50
Lead 210	ND	pCi/L	1.0		70	130	0	30	
Sample ID: C05040335-002A	Matrix Spike								04/18/05 17:50
Lead 210	210	pCi/L	1.0	96.3	70	130			
Sample ID: MB	Method Blank								04/18/05 17:50
Lead 210	ND	pCi/L	1						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

ANALYTICAL SUMMARY REPORT

May 11, 2005

Max Chischilly
United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C05040663

Quote ID: C129 - Quarterly Long List

Project Name: Zone 3

Energy Laboratories Inc. received the following 10 samples from United Nuclear Corp on 4/15/2005 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C05040663-001	EPA-14	04/11/05 9:20	04/15/05	Aqueous	Metals by ICP/ICPMS, Total Alkalinity QA Calculations Arsenic-III, Total Selenium-IV, Total Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved E624 Purgeable Organics
C05040663-002	420	04/11/05 10:00	04/15/05	Aqueous	Same As Above
C05040663-003	504-B	04/11/05 10:45	04/15/05	Aqueous	Same As Above
C05040663-004	719	04/11/05 11:25	04/15/05	Aqueous	Same As Above
C05040663-005	NBL-1	04/12/05 8:45	04/15/05	Aqueous	Same As Above
C05040663-006	EPA-13	04/12/05 10:10	04/15/05	Aqueous	Same As Above
C05040663-007	711	04/12/05 10:50	04/15/05	Aqueous	Same As Above
C05040663-008	711 Duplicate	04/12/05 11:15	04/15/05	Aqueous	Same As Above
C05040663-009	708	04/12/05 11:40	04/15/05	Aqueous	Same As Above
C05040663-010	517	04/12/05 13:25	04/15/05	Aqueous	Same As Above

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative or Report.

If you have any questions regarding these tests results, please call.

Report Approved By:


JAMES YECKUM
QUALITY ASSURANCE DIRECTOR



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/11/05

Work Order: C05040663

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B							Batch: 050421_1_ALK-W		
Sample ID: MBLK1_050421_1	Method Blank								04/21/05 17:14
Bicarbonate as HCO ₃	ND	mg/L		1					
Sample ID: MBLK2_050421_1	Method Blank								04/21/05 21:37
Bicarbonate as HCO ₃	ND	mg/L		1					

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/11/05

Work Order: C05040663

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C					Batch: 050418A-SLDS-TDS-W				
Sample ID: LCS1_050418A	Laboratory Control Spike								04/18/05 11:59
Solids, Total Dissolved TDS @ 180 C	998	mg/L	10	99.8	90	110			
Sample ID: MBLK1_050418A	Method Blank								04/18/05 12:00
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05040662-007BMS	Matrix Spike								04/18/05 15:16
Solids, Total Dissolved TDS @ 180 C	10100	mg/L	10	101	90	110			
Sample ID: C05040662-007BMSD	Matrix Spike Duplicate								04/18/05 15:17
Solids, Total Dissolved TDS @ 180 C	10100	mg/L	10	101	90	110	0.5	10	
Sample ID: C05040663-010BDUP	Sample Duplicate								04/18/05 15:21
Solids, Total Dissolved TDS @ 180 C	4650	mg/L	10				1.3	10	
Sample ID: C05040663-010BMS	Matrix Spike								04/18/05 15:21
Solids, Total Dissolved TDS @ 180 C	24900	mg/L	10	102	90	110			
Sample ID: C05040663-010BMSD	Matrix Spike Duplicate								04/18/05 15:21
Solids, Total Dissolved TDS @ 180 C	24500	mg/L	10	99.7	90	110	1.5	10	
Sample ID: LCS2_050418A	Laboratory Control Spike								04/18/05 15:22
Solids, Total Dissolved TDS @ 180 C	991	mg/L	10	99.1	90	110			
Sample ID: MBLK2_050418A	Method Blank								04/18/05 15:33
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05040679-003BMS	Matrix Spike								04/18/05 15:38
Solids, Total Dissolved TDS @ 180 C	11600	mg/L	10	101	90	110			
Sample ID: C05040679-003BMSD	Matrix Spike Duplicate								04/18/05 15:39
Solids, Total Dissolved TDS @ 180 C	11500	mg/L	10	100	90	110	0.5	10	
Sample ID: C05040681-002CDUP	Sample Duplicate								04/18/05 15:42
Solids, Total Dissolved TDS @ 180 C	8500	mg/L	10				0.4	10	
Sample ID: C05040681-002CMS	Matrix Spike								04/18/05 15:43
Solids, Total Dissolved TDS @ 180 C	110000	mg/L	10	102	90	110			
Sample ID: C05040681-002CMSD	Matrix Spike Duplicate								04/18/05 15:43
Solids, Total Dissolved TDS @ 180 C	110000	mg/L	10	101	90	110	0.5	10	
Sample ID: LCS3_050418A	Laboratory Control Spike								04/18/05 15:44
Solids, Total Dissolved TDS @ 180 C	1000	mg/L	10	100	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 05/11/05
Work Order: C05040663

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: ASIII3114-050418		
Sample ID: MBLK	Method Blank								04/18/05 10:42
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05040662-001AMS	Matrix Spike								04/18/05 11:04
Arsenic-III	0.0459	mg/L	0.0010	90.7	85	115			
Sample ID: C05040662-001AMSD	Matrix Spike Duplicate								04/18/05 11:06
Arsenic-III	0.0485	mg/L	0.0010	95.8	85	115	5.4	10	
Sample ID: C265-47-4	Laboratory Control Spike								04/18/05 11:08
Arsenic-III	0.0486	mg/L	0.0010	97.1	90	110			
Sample ID: MBLK	Method Blank								04/18/05 11:14
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05040663-004AMS	Matrix Spike								04/18/05 11:40
Arsenic-III	0.0488	mg/L	0.0010	97.6	85	115			
Sample ID: C05040663-004AMSD	Matrix Spike Duplicate								04/18/05 11:42
Arsenic-III	0.0496	mg/L	0.0010	99.2	85	115	1.6	10	
Sample ID: C265-47-4	Laboratory Control Spike								04/18/05 11:44
Arsenic-III	0.0488	mg/L	0.0010	97.6	90	110			
Sample ID: MBLK	Method Blank								04/18/05 11:50
Arsenic-III	ND	mg/L	0.0005						

Qualifiers:

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ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 05/11/05
Work Order: C05040663

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: SEIV3114-050418		
Sample ID: MBLK	Method Blank								04/18/05 14:23
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05040662-001AMS	Matrix Spike								04/18/05 14:45
Selenium-IV	0.0501	mg/L	0.0010	100	85	115			
Sample ID: C05040662-001AMSD	Matrix Spike Duplicate								04/18/05 14:47
Selenium-IV	0.0498	mg/L	0.0010	99.6	85	115	0.5	10	
Sample ID: C265-47-4	Laboratory Control Spike								04/18/05 14:49
Selenium-IV	0.0495	mg/L	0.0010	99.1	90	110			
Sample ID: MBLK	Method Blank								04/18/05 14:54
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05040663-004AMS	Matrix Spike								04/18/05 15:49
Selenium-IV	0.0495	mg/L	0.0010	99.1	85	115			
Sample ID: C05040663-004AMSD	Matrix Spike Duplicate								04/18/05 15:50
Selenium-IV	0.0500	mg/L	0.0010	100	85	115	0.9	10	
Sample ID: C265-47-4	Laboratory Control Spike								04/18/05 15:52
Selenium-IV	0.0485	mg/L	0.0010	97.1	90	110			
Sample ID: MBLK	Method Blank								04/18/05 15:56
Selenium-IV	ND	mg/L	0.0002						
Method: A4500-H B							Batch: PHSC050418A		
Sample ID: C05040662-006BDUP	Sample Duplicate								04/18/05 13:47
pH	6.29	s.u.	0.010				0	10	
Sample ID: C05040663-009BDUP	Sample Duplicate								04/18/05 14:22
pH	3.73	s.u.	0.010				0	10	
Sample ID: C05040682-002ADUP	Sample Duplicate								04/18/05 14:44
pH	7.50	s.u.	0.010				0.3	10	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 05/11/05
Work Order: C05040663

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G			Batch: A2005-04-18_1_NH3_02						
Sample ID: MBLK-1	Method Blank								04/18/05 12:56
Nitrogen, Ammonia as N	0.03	mg/L	0.02						
Sample ID: C05040438-002BMS	Matrix Spike								04/18/05 13:11
Nitrogen, Ammonia as N	2.05	mg/L	0.050	103	80	120			
Sample ID: C05040438-002BMSD	Matrix Spike Duplicate								04/18/05 13:13
Nitrogen, Ammonia as N	2.06	mg/L	0.050	103	80	120	0.5	20	
Sample ID: MBLK-17	Method Blank								04/18/05 13:29
Nitrogen, Ammonia as N	0.04	mg/L	0.02						
Sample ID: C05040551-001BMS	Matrix Spike								04/18/05 13:41
Nitrogen, Ammonia as N	2.37	mg/L	0.050	110	80	120			
Sample ID: C05040551-001BMSD	Matrix Spike Duplicate								04/18/05 13:43
Nitrogen, Ammonia as N	2.41	mg/L	0.050	112	80	120	1.7	20	
Sample ID: MBLK-32	Method Blank								04/18/05 13:59
Nitrogen, Ammonia as N	0.04	mg/L	0.02						
Sample ID: C05040638-001CMS	Matrix Spike								04/18/05 14:13
Nitrogen, Ammonia as N	1.87	mg/L	0.050	93.5	80	120			
Sample ID: C05040638-001CMSD	Matrix Spike Duplicate								04/18/05 14:15
Nitrogen, Ammonia as N	1.89	mg/L	0.050	94.5	80	120	1.1	20	
Sample ID: MBLK-48	Method Blank								04/18/05 14:31
Nitrogen, Ammonia as N	0.04	mg/L	0.02						
Sample ID: C05040662-005DMS	Matrix Spike								04/18/05 14:43
Nitrogen, Ammonia as N	3.18	mg/L	0.050	117	80	120			
Sample ID: C05040662-005DMSD	Matrix Spike Duplicate								04/18/05 14:45
Nitrogen, Ammonia as N	3.10	mg/L	0.050	113	80	120	2.5	20	
Sample ID: MBLK-63	Method Blank								04/18/05 15:01
Nitrogen, Ammonia as N	0.03	mg/L	0.02						

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/11/05

Work Order: C05040663

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G							Batch: A2005-04-22_1_NH3_01		
Sample ID: MBLK-1	Method Blank								04/22/05 13:26
Nitrogen, Ammonia as N	0.03	mg/L	0.02						
Sample ID: C05040838-005BMS	Matrix Spike								04/22/05 13:40
Nitrogen, Ammonia as N	2.02	mg/L	0.050	99	80	120			
Sample ID: C05040838-005BMSD	Matrix Spike Duplicate								04/22/05 13:42
Nitrogen, Ammonia as N	2.15	mg/L	0.050	106	80	120	6.2	20	
Sample ID: MBLK-17	Method Blank								04/22/05 13:58
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05040838-013BMS	Matrix Spike								04/22/05 14:10
Nitrogen, Ammonia as N	2.06	mg/L	0.050	102	80	120			
Sample ID: C05040838-013BMSD	Matrix Spike Duplicate								04/22/05 14:12
Nitrogen, Ammonia as N	1.97	mg/L	0.050	97.5	80	120	4.5	20	
Sample ID: MBLK-32	Method Blank								04/22/05 14:28
Nitrogen, Ammonia as N	0.03	mg/L	0.02						
Sample ID: C05040679-002DMS	Matrix Spike								04/22/05 14:42
Nitrogen, Ammonia as N	1.34	mg/L	0.050	86	80	120			
Sample ID: C05040679-002DMSD	Matrix Spike Duplicate								04/22/05 14:44
Nitrogen, Ammonia as N	1.36	mg/L	0.050	87.3	80	120	1.5	20	
Sample ID: MBLK-48	Method Blank								04/22/05 15:00
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05040740-005CMS	Matrix Spike								04/22/05 15:14
Nitrogen, Ammonia as N	2.06	mg/L	0.050	94	80	120			
Sample ID: C05040740-005CMSD	Matrix Spike Duplicate								04/22/05 15:16
Nitrogen, Ammonia as N	2.14	mg/L	0.050	98	80	120	3.8	20	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/11/05

Work Order: C05040663

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R49295		
Sample ID: C05040662-001AMS1	Matrix Spike								04/25/05 08:10
Calcium	539	mg/L	0.57	103	70	130			
Magnesium	510	mg/L	0.53	100	70	130			
Potassium	476	mg/L	0.52	94.4	70	130			
Sodium	818	mg/L	0.62	99	70	130			
Sample ID: C05040662-001AMS2	Matrix Spike								04/25/05 08:13
Aluminum	9.65	mg/L	0.10	96	70	130			
Beryllium	9.62	mg/L	0.010	96.2	70	130			
Cobalt	9.80	mg/L	0.11	98	70	130			
Manganese	9.74	mg/L	0.010	97.3	70	130			
Molybdenum	9.45	mg/L	0.79	94.5	70	130			
Vanadium	9.74	mg/L	0.10	97.4	70	130			
Sample ID: C05040662-001AMS3	Matrix Spike								04/25/05 08:16
Chloride	961	mg/L	1.0	95.3	70	130			
Sulfate	1540	mg/L	8.0	98.2	70	130			
Sample ID: C05040662-001AMSD1	Matrix Spike Duplicate								04/25/05 08:19
Calcium	543	mg/L	0.57	104	70	130	0.7	20	
Magnesium	515	mg/L	0.53	101	70	130	1.0	20	
Potassium	480	mg/L	0.52	95.1	70	130	0.8	20	
Sodium	814	mg/L	0.62	98.2	70	130	0.5	20	
Sample ID: C05040662-001AMSD2	Matrix Spike Duplicate								04/25/05 08:22
Aluminum	9.89	mg/L	0.10	98.4	70	130	2.5	20	
Beryllium	9.81	mg/L	0.010	98.1	70	130	2.0	20	
Cobalt	10.1	mg/L	0.11	101	70	130	2.5	20	
Manganese	9.98	mg/L	0.010	99.7	70	130	2.4	20	
Molybdenum	9.48	mg/L	0.79	94.8	70	130	0.3	20	
Vanadium	9.90	mg/L	0.10	99	70	130	1.6	20	
Sample ID: C05040662-001AMSD3	Matrix Spike Duplicate								04/25/05 08:25
Chloride	931	mg/L	1.0	92.3	70	130	3.2	20	
Sulfate	1530	mg/L	8.0	96.6	70	130	1.0	20	
Sample ID: C05040662-007AMS1	Matrix Spike								04/25/05 09:39
Calcium	50.1	mg/L	0.50	100	70	130			
Magnesium	49.9	mg/L	0.50	99.5	70	130			
Potassium	46.8	mg/L	0.50	93.5	70	130			
Sodium	51.7	mg/L	0.50	98.3	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/11/05

Work Order: C05040663

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R49295		
Sample ID: C05040662-007AMS2	Matrix Spike		04/25/05 09:43						
Aluminum	1.00	mg/L	0.10	100	70	130			
Beryllium	1.01	mg/L	0.010	101	70	130			
Cobalt	1.00	mg/L	0.011	100	70	130			
Manganese	1.01	mg/L	0.010	101	70	130			
Molybdenum	0.973	mg/L	0.10	97.3	70	130			
Vanadium	1.01	mg/L	0.10	101	70	130			
Sample ID: C05040662-007AMS3	Matrix Spike		04/25/05 09:46						
Chloride	94.5	mg/L	1.0	94.2	70	130			
Sulfate	98.2	mg/L	1.0	96.9	70	130			
Sample ID: C05040662-007AMSD1	Matrix Spike Duplicate		04/25/05 09:49						
Calcium	50.3	mg/L	0.50	100	70	130	0.4	20	
Magnesium	49.9	mg/L	0.50	99.5	70	130	0	20	
Potassium	46.8	mg/L	0.50	93.6	70	130	0.1	20	
Sodium	52.0	mg/L	0.50	98.9	70	130	0.6	20	
Sample ID: C05040662-007AMSD2	Matrix Spike Duplicate		04/25/05 09:52						
Aluminum	0.954	mg/L	0.10	95.4	70	130	4.7	20	
Beryllium	0.962	mg/L	0.010	96.2	70	130	4.8	20	
Cobalt	0.957	mg/L	0.011	95.7	70	130	4.5	20	
Manganese	0.961	mg/L	0.010	96	70	130	4.7	20	
Molybdenum	0.945	mg/L	0.10	94.5	70	130	2.9	20	
Vanadium	0.958	mg/L	0.10	95.8	70	130	5.2	20	
Sample ID: C05040662-007AMSD3	Matrix Spike Duplicate		04/25/05 09:55						
Chloride	94.5	mg/L	1.0	94.2	70	130	0	20	
Sulfate	97.4	mg/L	1.0	96.1	70	130	0.8	20	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/11/05

Work Order: C05040663

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R49592		
Sample ID: LRB	Method Blank						05/02/05 11:12		
Beryllium	ND	mg/L	0.00003						
Cadmium	ND	mg/L	0.0002						
Cobalt	ND	mg/L	0.00003						
Lead	ND	mg/L	0.00002						
Nickel	ND	mg/L	0.00008						
Uranium	ND	mg/L	0.00004						
Sample ID: C05040662-001AMS4	Post Digestion Spike						05/02/05 19:50		
Beryllium	0.0482	mg/L	0.010	96.4	70	130			
Cadmium	0.0480	mg/L	0.010	96	70	130			
Cobalt	0.0489	mg/L	0.010	97.6	70	130			
Lead	0.0528	mg/L	0.050	105	70	130			
Nickel	0.0484	mg/L	0.050	94.8	70	130			
Uranium	0.0534	mg/L	0.00030	106	70	130			
Sample ID: C05040662-001AMSD4	Post Digestion Spike Dup						05/02/05 19:58		
Beryllium	0.0468	mg/L	0.010	93.7	70	130	2.9	20	
Cadmium	0.0476	mg/L	0.010	95.2	70	130	0.9	20	
Cobalt	0.0490	mg/L	0.010	97.8	70	130	0.3	20	
Lead	0.0519	mg/L	0.050	103	70	130	1.6	20	
Nickel	0.0479	mg/L	0.050	93.7	70	130	0	20	
Uranium	0.0534	mg/L	0.00030	106	70	130	0	20	
Sample ID: C05040663-005AMS4	Post Digestion Spike						05/02/05 23:58		
Beryllium	0.259	mg/L	0.010	103	70	130			
Cadmium	0.252	mg/L	0.010	101	70	130			
Cobalt	0.414	mg/L	0.010	99.5	70	130			
Lead	0.264	mg/L	0.050	105	70	130			
Nickel	0.465	mg/L	0.050	100	70	130			
Uranium	0.308	mg/L	0.00030	106	70	130			
Sample ID: C05040663-005AMSD4	Post Digestion Spike Dup						05/03/05 00:05		
Beryllium	0.269	mg/L	0.010	108	70	130	4.0	20	
Cadmium	0.253	mg/L	0.010	101	70	130	0	20	
Cobalt	0.420	mg/L	0.010	102	70	130	1.4	20	
Lead	0.265	mg/L	0.050	106	70	130	0.5	20	
Nickel	0.467	mg/L	0.050	101	70	130	0.5	20	
Uranium	0.313	mg/L	0.00030	108	70	130	1.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 05/11/05
Work Order: C05040663

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2			Batch: A2005-04-20_1_NO3_02						
Sample ID: MBLK-1	Method Blank								04/20/05 12:33
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05040813-007AMS	Matrix Spike								04/20/05 12:51
Nitrogen, Nitrate+Nitrite as N	5.76	mg/L	0.15	91.4	90	110			
Sample ID: C05040813-007AMSD	Matrix Spike Duplicate								04/20/05 12:53
Nitrogen, Nitrate+Nitrite as N	5.94	mg/L	0.15	95.7	90	110	3.1	10	
Sample ID: MBLK-17	Method Blank								04/20/05 13:14
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05040814-002AMS	Matrix Spike								04/20/05 13:29
Nitrogen, Nitrate+Nitrite as N	2.06	mg/L	0.10	94	90	110			
Sample ID: C05040814-002AMSD	Matrix Spike Duplicate								04/20/05 13:31
Nitrogen, Nitrate+Nitrite as N	2.08	mg/L	0.10	95	90	110	1.0	10	
Sample ID: MBLK-32	Method Blank								04/20/05 13:51
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05040663-003DMS	Matrix Spike								04/20/05 14:09
Nitrogen, Nitrate+Nitrite as N	1.88	mg/L	0.10	92	90	110			
Sample ID: C05040663-003DMSD	Matrix Spike Duplicate								04/20/05 14:11
Nitrogen, Nitrate+Nitrite as N	1.93	mg/L	0.10	94.5	90	110	2.6	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/11/05

Work Order: C05040663

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							Batch: R49029		
Sample ID: 18-Apr-05_LCS_3	Laboratory Control Spike						04/18/05 11:04		
Chloroform	5.00	ug/L	1.0	100	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	98.8	80	120			
Surr: Dibromofluoromethane			1.0	90	70	130			
Surr: p-Bromofluorobenzene			1.0	92	75	125			
Surr: Toluene-d8			1.0	105	80	120			
Sample ID: 18-Apr-05_MBLK_6	Method Blank						04/18/05 14:20		
Chloroform	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			0.5	100	80	120			
Surr: Dibromofluoromethane			0.5	92	70	130			
Surr: p-Bromofluorobenzene			0.5	91.2	75	125			
Surr: Toluene-d8			0.5	101	80	120			
Sample ID: C05040663-010EMS	Matrix Spike						04/19/05 06:41		
Chloroform	95.2	ug/L	5.0	95.2	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	99.6	80	120			
Surr: Dibromofluoromethane			5.0	117	70	130			
Surr: p-Bromofluorobenzene			5.0	96.8	75	125			
Surr: Toluene-d8			5.0	90.8	80	120			
Sample ID: C05040663-010EMSD	Matrix Spike Duplicate						04/19/05 07:23		
Chloroform	98.4	ug/L	5.0	98.4	70	130	3.3	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	98.8	80	120	0	10	
Surr: Dibromofluoromethane			5.0	113	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	95.6	75	125	0	10	
Surr: Toluene-d8			5.0	92	80	120	0	10	
Method: E900.1							Batch: R49858		
Sample ID: C05040679-001A	Matrix Spike						04/29/05 16:40		
Gross Alpha minus Rn & U	41.2	pCi/L	1.0	105	70	130			
Sample ID: C05040679-001A	Matrix Spike Duplicate						04/29/05 16:40		
Gross Alpha minus Rn & U	38.4	pCi/L	1.0	97.1	70	130	7.0	30	
Sample ID: MB-R49858	Method Blank						04/29/05 16:40		
Gross Alpha minus Rn & U	ND	pCi/L	1						
Sample ID: LCS-R49858	Laboratory Control Spike						04/29/05 16:40		
Gross Alpha minus Rn & U	47.3	pCi/L	1.0	125	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/11/05

Work Order: C05040663

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0							Batch: RA226-0990		
Sample ID: C05040626-001AMS	Matrix Spike								04/18/05 14:45
Radium 226	26	pCi/L	0.20	94.6	70	130			
Sample ID: C05040626-001AMSD	Matrix Spike Duplicate								04/18/05 14:45
Radium 226	26	pCi/L	0.20	93.5	70	130	1.1	27.6	
Sample ID: MB-RA226-0990	Method Blank								04/18/05 14:45
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-0990	Laboratory Control Spike								04/18/05 14:45
Radium 226	15	pCi/L	0.20	96.6	70	130			
Method: E904.0							Batch: RA228-0865		
Sample ID: MB-RA228-0865	Method Blank								04/26/05 20:00
Radium 228	ND	pCi/L	1						
Sample ID: LCS-RA228-0865	Laboratory Control Spike								04/26/05 20:00
Radium 228	9.1	pCi/L	1.0	92.1	70	130			
Sample ID: C05040585-001AMS	Matrix Spike								04/26/05 20:00
Radium 228	16	pCi/L	1.0	97.4	70	130			
Sample ID: C05040585-001AMSD	Matrix Spike Duplicate								04/26/05 20:00
Radium 228	14	pCi/L	1.0	84	70	130	15	37.8	
Method: E907.0							Batch: R49478		
Sample ID: MB-R49478	Method Blank								04/25/05 10:30
Thorium 230	ND	pCi/L	0.2						
Sample ID: LCS-R49478	Laboratory Control Spike								04/25/05 10:30
Thorium 230	23.4	pCi/L	0.20	93.6	70	130			
Sample ID: C05040631-003AMS	Matrix Spike								04/25/05 10:30
Thorium 230	66.9	pCi/L	0.20	80	70	130			
Sample ID: C05040631-003AMSD	Matrix Spike Duplicate								04/25/05 10:30
Thorium 230	68.8	pCi/L	0.20	82.6	70	130	2.8	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/11/05

Work Order: C05040663

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: NERHL-65-4									Batch: 05PB-17
Sample ID: 210	Laboratory Control Spike								05/02/05 14:26
Lead 210	81	pCi/L	1.0	93	70	130			
Sample ID: C05040662-002A	Sample Duplicate								05/02/05 14:26
Lead 210	ND	pCi/L	1.0		70	130	0	30	
Sample ID: C05040662-003A	Matrix Spike								05/02/05 14:26
Lead 210	250	pCi/L	1.0	114	70	130			
Sample ID: MB	Method Blank								05/02/05 14:26
Lead 210	ND	pCi/L	1						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



ANALYTICAL SUMMARY REPORT

May 13, 2005

Max Chischilly
United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C05040940

Quote ID: C129 - Quarterly Long List

Project Name: Zone 3

Energy Laboratories Inc. received the following 1 sample from United Nuclear Corp on 4/22/2005 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C05040940-001	717	04/18/05 13:57	04/22/05	Aqueous	Metals by ICP/ICPMS, Total Alkalinity QA Calculations Arsenic-III, Total Selenium-IV, Total Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved E624 Purgeable Organics

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative or Report.

If you have any questions regarding these tests results, please call.

Report Approved By:


JAMES YOCUM
ASSISTANCE DIRECTOR

QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 05/13/05
Work Order: C05040940

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B							Batch: 050428_1_ALK-W		
Sample ID: MBLK1_050428_1	Method Blank								04/28/05 16:51
Bicarbonate as HCO ₃	ND	mg/L	1						
Method: A2540 C							Batch: 050425A-SLDS-TDS-W		
Sample ID: LCS1_050425A	Laboratory Control Spike								04/25/05 13:45
Solids, Total Dissolved TDS @ 180 C	1010	mg/L	10	101	90	110			
Sample ID: MBLK1_050425A	Method Blank								04/25/05 13:49
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05040834-002AMS	Matrix Spike								04/25/05 13:52
Solids, Total Dissolved TDS @ 180 C	11100	mg/L	10	102	90	110			
Sample ID: C05040834-002AMSD	Matrix Spike Duplicate								04/25/05 13:53
Solids, Total Dissolved TDS @ 180 C	11000	mg/L	10	101	90	110	0.7	10	
Sample ID: C05040834-010ADUP	Sample Duplicate								04/25/05 16:23
Solids, Total Dissolved TDS @ 180 C	149	mg/L	10				3.4	10	
Sample ID: C05040834-010AMS	Matrix Spike								04/25/05 16:23
Solids, Total Dissolved TDS @ 180 C	10900	mg/L	10	92.8	90	110			
Sample ID: C05040834-010AMSD	Matrix Spike Duplicate								04/25/05 16:23
Solids, Total Dissolved TDS @ 180 C	10700	mg/L	10	91.5	90	110	1.2	10	
Sample ID: LCS2_050425A	Laboratory Control Spike								04/25/05 16:24
Solids, Total Dissolved TDS @ 180 C	996	mg/L	10	99.6	90	110			
Method: A4500-H B							Batch: PHSC050425A		
Sample ID: C05040958-003ADUP	Sample Duplicate								04/25/05 14:54
pH	7.63	s.u.	0.010				0.4	10	
Sample ID: C05040834-010ADUP	Sample Duplicate								04/25/05 15:13
pH	9.58	s.u.	0.010				0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/13/05

Work Order: C05040940

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G							Batch: A2005-04-25_1_NH3_01		
Sample ID: MBLK-1	Method Blank								04/25/05 10:45
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05040835-003GMS	Matrix Spike								04/25/05 10:59
Nitrogen, Ammonia as N	1.94	mg/L	0.050	94	80	120			
Sample ID: C05040835-003GMSD	Matrix Spike Duplicate								04/25/05 11:01
Nitrogen, Ammonia as N	2.05	mg/L	0.050	99.5	80	120	5.5	20	
Sample ID: MBLK-17	Method Blank								04/25/05 11:18
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05040835-014CMS	Matrix Spike								04/25/05 11:30
Nitrogen, Ammonia as N	1.88	mg/L	0.050	94	80	120			
Sample ID: C05040835-014CMSD	Matrix Spike Duplicate								04/25/05 11:32
Nitrogen, Ammonia as N	1.94	mg/L	0.050	97	80	120	3.1	20	
Sample ID: MBLK-32	Method Blank								04/25/05 11:48
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05040940-001BMS	Matrix Spike								04/25/05 12:28
Nitrogen, Ammonia as N	6.86	mg/L	0.050	109	80	120			
Sample ID: C05040940-001BMSD	Matrix Spike Duplicate								04/25/05 12:30
Nitrogen, Ammonia as N	6.65	mg/L	0.050	98.5	80	120	3.1	20	
Sample ID: MBLK-48	Method Blank								04/25/05 12:40
Nitrogen, Ammonia as N	ND	mg/L	0.02						

Qualifiers:

L - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/13/05

Work Order: C05040940

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R49952		
Sample ID: C05041145-001BMS1	Matrix Spike								05/10/05 14:57
Calcium	795	mg/L	1.6	91	70	130			
Magnesium	486	mg/L	1.9	89.3	70	130			
Potassium	667	mg/L	0.81	81.8	70	130			
Sodium	1110	mg/L	2.7	93.4	70	130			
Sample ID: C05041145-001BMS3	Matrix Spike								05/10/05 15:04
Chloride	2180	mg/L	1.0	122	70	130			
Sulfate	1300	mg/L	1.1	107	70	130			
Sample ID: C05041145-001BMSD1	Matrix Spike Duplicate								05/10/05 15:07
Calcium	788	mg/L	1.6	89.6	70	130	0.9	20	
Magnesium	492	mg/L	1.9	90.6	70	130	1.3	20	
Potassium	670	mg/L	0.81	82.4	70	130	0.4	20	
Sodium	1100	mg/L	2.7	92	70	130	0.6	20	
Sample ID: C05041145-001BMSD3	Matrix Spike Duplicate								05/10/05 15:14
Chloride	2140	mg/L	1.0	114	70	130	1.8	20	
Sulfate	1260	mg/L	1.1	98.6	70	130	3.1	20	

Qualifiers:

L - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Report Date: 05/13/05

Project: Zone 3

Work Order: C05040940

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R49895
Sample ID: LRB									05/09/05 13:08
Method Blank									
Aluminum	0.0005	mg/L	0.0002						
Beryllium	ND	mg/L	0.00003						
Cadmium	ND	mg/L	0.0002						
Cobalt	ND	mg/L	0.00003						
Lead	ND	mg/L	0.00002						
Manganese	ND	mg/L	0.00003						
Molybdenum	ND	mg/L	0.00007						
Nickel	ND	mg/L	0.00008						
Uranium	ND	mg/L	0.00004						
Vanadium	ND	mg/L	0.00009						
Sample ID: C05040815-001HMS4									05/09/05 13:35
Post Digestion Spike									
Aluminum	0.062	mg/L	0.10	102	70	130			
Beryllium	0.053	mg/L	0.0010	105	70	130			
Cadmium	0.052	mg/L	0.0010	104	70	130			
Cobalt	0.050	mg/L	0.010	100	70	130			
Lead	0.051	mg/L	0.0010	102	70	130			
Manganese	0.054	mg/L	0.010	100	70	130			
Molybdenum	0.052	mg/L	0.10	103	70	130			
Nickel	0.051	mg/L	0.050	102	70	130			
Uranium	0.051	mg/L	0.00030	102	70	130			
Vanadium	0.052	mg/L	0.10	102	70	130			
Sample ID: C05040815-001HMSD4									05/09/05 13:42
Post Digestion Spike Dup									
Aluminum	0.063	mg/L	0.10	103	70	130	0	20	
Beryllium	0.054	mg/L	0.0010	108	70	130	2.8	20	
Cadmium	0.052	mg/L	0.0010	105	70	130	0.9	20	
Cobalt	0.050	mg/L	0.010	100	70	130	0.2	20	
Lead	0.051	mg/L	0.0010	102	70	130	0.5	20	
Manganese	0.054	mg/L	0.010	101	70	130	0.7	20	
Molybdenum	0.052	mg/L	0.10	104	70	130	0	20	
Nickel	0.050	mg/L	0.050	99.4	70	130	2.5	20	
Uranium	0.052	mg/L	0.00030	104	70	130	1.1	20	
Vanadium	0.052	mg/L	0.10	102	70	130	0	20	
Sample ID: C05040940-001AMS4									05/09/05 21:24
Post Digestion Spike									
Aluminum	0.209	mg/L	0.10	83.5	70	130			
Beryllium	0.222	mg/L	0.010	89	70	130			
Cadmium	0.206	mg/L	0.010	82.5	70	130			
Cobalt	0.214	mg/L	0.010	79.4	70	130			
Lead	0.212	mg/L	0.050	84.8	70	130			

Qualifiers:

L - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/13/05

Work Order: C05040940

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R49895		
Sample ID: C05040940-001AMS4	Post Digestion Spike								05/09/05 21:24
Manganese	4.09	mg/L	0.010		70	130			A
Molybdenum	0.326	mg/L	0.10	87.6	70	130			
Nickel	0.224	mg/L	0.050	82.3	70	130			
Uranium	0.269	mg/L	0.00030	84.8	70	130			
Vanadium	0.204	mg/L	0.10	80.4	70	130			
Sample ID: C05040940-001AMSD4	Post Digestion Spike Dup								05/09/05 21:30
Aluminum	0.240	mg/L	0.10	95.8	70	130	14	20	
Beryllium	0.243	mg/L	0.010	97.1	70	130	8.7	20	
Cadmium	0.244	mg/L	0.010	97.8	70	130	17	20	
Cobalt	0.250	mg/L	0.010	93.6	70	130	15	20	
Lead	0.251	mg/L	0.050	101	70	130	17	20	
Manganese	4.07	mg/L	0.010		70	130	0.7	20	A
Molybdenum	0.363	mg/L	0.10	102	70	130	11	20	
Nickel	0.264	mg/L	0.050	98.3	70	130	16	20	
Uranium	0.304	mg/L	0.00030	98.6	70	130	12	20	
Vanadium	0.243	mg/L	0.10	95.9	70	130	17	20	
Method: E353.2							Batch: A2005-04-26_1_NO3_01		
Sample ID: MBLK-1	Method Blank								04/26/05 11:14
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05040588-003ADUP	Sample Duplicate								04/26/05 11:22
Nitrogen, Nitrate+Nitrite as N	9.07	mg/L	0.15				0.5	10	
Sample ID: MBLK-17	Method Blank								04/26/05 11:54
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05040939-002DMS	Matrix Spike								04/26/05 12:09
Nitrogen, Nitrate+Nitrite as N	3.34	mg/L	0.10	93	90	110			
Sample ID: C05040939-002DMSD	Matrix Spike Duplicate								04/26/05 12:12
Nitrogen, Nitrate+Nitrite as N	3.32	mg/L	0.10	92	90	110	0.6	10	
Sample ID: MBLK-30	Method Blank								04/26/05 12:27
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/13/05

Work Order: C05040940

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							Batch: R49505		
Sample ID: 28-Apr-05_LCS_3	Laboratory Control Spike		04/28/05 11:50						
Chloroform	5.12	ug/L	1.0	102	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	101	80	120			
Surr: Dibromofluoromethane			1.0	100	70	130			
Surr: p-Bromofluorobenzene			1.0	102	75	125			
Surr: Toluene-d8			1.0	101	80	120			
Sample ID: 28-Apr-05_MBLK_6	Method Blank		04/28/05 13:40						
Chloroform	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			0.5	100	80	120			
Surr: Dibromofluoromethane			0.5	99.6	70	130			
Surr: p-Bromofluorobenzene			0.5	99.2	75	125			
Surr: Toluene-d8			0.5	99.6	80	120			
Sample ID: C05041041-001AMS	Matrix Spike		04/28/05 20:58						
Chloroform	201	ug/L	10	100	70	130			
Surr: 1,2-Dichlorobenzene-d4			10	99.6	80	120			
Surr: Dibromofluoromethane			10	98.4	70	130			
Surr: p-Bromofluorobenzene			10	101	75	125			
Surr: Toluene-d8			10	100	80	120			
Sample ID: C05041041-001AMSD	Matrix Spike Duplicate		04/28/05 21:34						
Chloroform	201	ug/L	10	100	70	130	0	20	
Surr: 1,2-Dichlorobenzene-d4			10	99.2	80	120	0	10	
Surr: Dibromofluoromethane			10	98	70	130	0	10	
Surr: p-Bromofluorobenzene			10	100	75	125	0	10	
Surr: Toluene-d8			10	99.6	80	120	0	10	
Method: E900.1							Batch: R49858		
Sample ID: C05040679-001A	Matrix Spike		04/29/05 16:40						
Gross Alpha minus Rn & U	41.2	pCi/L	1.0	105	70	130			
Sample ID: C05040679-001A	Matrix Spike Duplicate		04/29/05 16:40						
Gross Alpha minus Rn & U	38.4	pCi/L	1.0	97.1	70	130	7.0	30	
Sample ID: MB-R49858	Method Blank		04/29/05 16:40						
Gross Alpha minus Rn & U	ND	pCi/L	1						
Sample ID: LCS-R49858	Laboratory Control Spike		04/29/05 16:40						
Gross Alpha minus Rn & U	47.3	pCi/L	1.0	125	70	130			

Qualifiers:

L - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/13/05

Work Order: C05040940

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0							Batch: RA226-1007		
Sample ID: C05040772-001BMS	Matrix Spike								04/25/05 15:15
Radium 226	25	pCi/L	0.20	95.4	70	130			
Sample ID: C05040772-001BMSD	Matrix Spike Duplicate								04/25/05 15:15
Radium 226	26	pCi/L	0.20	99.5	70	130	4.1	27.3	
Sample ID: MB-RA226-1007	Method Blank								04/25/05 15:15
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-1007	Laboratory Control Spike								04/25/05 15:15
Radium 226	15	pCi/L	0.20	99.8	70	130			
Method: E904.0							Batch: RA228-0863		
Sample ID: LCS-228-RA226-1007	Laboratory Control Spike								04/25/05 15:15
Radium 228	8.8	pCi/L	1.0	89.2	70	130			
Sample ID: MB-RA226-1007	Method Blank								04/25/05 15:15
Radium 228	ND	pCi/L	1						
Sample ID: C05040877-001AMS	Matrix Spike								04/25/05 15:15
Radium 228	16	pCi/L	1.0	99.3	70	130			
Sample ID: C05040877-001AMSD	Matrix Spike Duplicate								04/25/05 15:15
Radium 228	18	pCi/L	1.0	110	70	130	10	37.5	
Method: E907.0							Batch: R49705		
Sample ID: MB-R49705	Method Blank								04/28/05 10:30
Thorium 230	ND	pCi/L	0.2						
Sample ID: LCS-R49705	Laboratory Control Spike								04/28/05 10:30
Thorium 230	25.6	pCi/L	0.20	102	70	130			
Sample ID: C05040924-012AMS	Matrix Spike								04/28/05 10:30
Thorium 230	81.3	pCi/L	0.20	97.2	70	130			
Sample ID: C05040924-012AMSD	Matrix Spike Duplicate								04/28/05 10:30
Thorium 230	74.6	pCi/L	0.20	89.6	70	130	8.6	30	

Qualifiers:

L - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 05/13/05

Work Order: C05040940

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: NERHL-65-4									Batch: 05PB-17
Sample ID: 210-05PB-17	Laboratory Control Spike								05/02/05 14:26
Lead 210	81	pCi/L	1.0	93	70	130			
Sample ID: C05040662-002ADUP	Sample Duplicate								05/02/05 14:26
Lead 210	ND	pCi/L	1.0				0	30	
Sample ID: C05040662-003AMS	Matrix Spike								05/02/05 14:26
Lead 210	250	pCi/L	1.0	114	70	130			
Sample ID: MB-05PB-17	Method Blank								05/02/05 14:26
Lead 210	ND	pCi/L	1						

Qualifiers:

L - Analyte reporting limit.

ND - Not detected at the reporting limit.