

UNITED NUCLEAR CORPORATION



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CERTIFIED – RETURN RECEIPT REQUEST

February 13, 2006

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
Second Half of 2005

Dear Mr. Purcell:

In accordance with Section V.A. 15 of 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 second half of 2005.

Two quarterly sampling episodes occurred in the second half of 2005 (i.e. July and October).

Sincerely,

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

Max Chischilly, Jr.
Radiation Safety Officer

LB/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

JULY AND OCTOBER OF 2005 SAMPLING EVENTS

FEBRUARY - 2006

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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 Administrative Order on the Church Rock Site from the U.S. Environmental Protection Agency (USEPA).

2.0 FIELD SAMPLING PROCEDURES AND QA/QC REPORT

Copies of the 2005 quarterly (3RD and 4TH) 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 E.

3.0 CHAIN OF CUSTODY

Copies of the quarterly Chain of Custody report are included in Appendix C. Energy Laboratories, Inc., our contract 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 arrive 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

STD. PH Reading Date/Time Initial GROUND WATER MONITORING FIELD DATA SHEET
 4-Buffer 4.00 7-11-05/0839 re 3RD QUARTER 2005
 7-Buffer 7.02 7-11-05/0837 re 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.
7-11-05	509-D	73.40'	73.42'	3,170	4,590	5,350	5,770
	Time 0915	Bubbler Start 6.970'	Bubbler End 6.956'	1st pH 6.72	2nd pH 6.65	Stable pH 6.55	Ending pH 6.38
				1st Temp. 16.2	2nd Temp. 15.3	Stable Temp. 14.8	Ending Temp. 14.5
				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.
7-11-05	EPA-23	50.78'	51.08'	2,780	3,520	4,290	4,410
	Time 0950	Bubbler Start 11.093'	Bubbler End 10.820'	1st pH 6.73	2nd pH 6.69	Stable pH 6.64	Ending pH 6.60
				1st Temp. 17.4	2nd Temp. 16.6	Stable Temp. 15.9	Ending Temp. 15.5
				Comments: Replaced most of the small O-rings (located @ the surface well cap fitting connection to water level meter) due to cracked or broken O-ring seals. This was done on the SWA, ZONE 1 & 3 sampling wells during this sampling period.			
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.
7-11-05	803	58.99'	59.14'	2,650	5,600	6,280	6,500
	Time 1020	Bubbler Start 17.712'	Bubbler End 17.546'	1st pH 6.42	2nd pH 6.43	Stable pH 6.40	Ending pH 6.42
				1st Temp. 19.2	2nd Temp. 17.8	Stable Temp. 16.0	Ending Temp. 15.1
				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.
7-11-05	808	46.64'	46.75'	3,670	5,280	6,450	6,580
	Time 1055	Bubbler Start 16.990'	Bubbler End 16.869'	1st pH 6.63	2nd pH 6.54	Stable pH 6.47	Ending pH 6.44
				1st Temp. 17.9	2nd Temp. 17.6	Stable Temp. 16.5	Ending Temp. 15.4
				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.
7-11-05	802	45.20'	45.27'	3,850	6,090	7,430	7,880
	Time 1125	Bubbler Start 22.455'	Bubbler End 22.418'	1st pH 7.40	2nd pH 6.75	Stable pH 6.47	Ending pH 6.43
				1st Temp. 19.9	2nd Temp. 19.0	Stable Temp. 16.5	Ending Temp. 15.9
				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.
7-11-05	801	48.90'	49.77'	2,300	5,040	6,140	6,360
	Time 1325	Bubbler Start 12.779'	Bubbler End 11.915'	1st pH 6.62	2nd pH 6.49	Stable pH 6.44	Ending pH 6.37
				1st Temp. 20.6	2nd Temp. 19.5	Stable Temp. 17.2	Ending Temp. 16.3
				Comments:			

Standard Verification Check

STD. PH Reading Date/Time Initial GROUND WATER MONITORING FIELD DATA SHEET
 4-Buffer 4.03 7-12-05/0815 MC
 7-Buffer 7.05 7-12-05/0814 MC
3RD QUARTER 2005
 SAMPLING

PAGE 2 OF 7

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading		Reading		Reading		Reading	
				1st Cond.	2nd Cond.	Stable Cond.	Ending Cond.	1st pH	2nd pH	Stable pH	Ending pH
7-11-05	GW-2			2,710	5,050	6,390	6,540	6.30	6.32	6.35	6.30
				53.78'	54.29'	18.4	16.9				
7-11-05	GW-1			4,250	5,020	6,020	6,520	7.30	7.13	6.67	6.56
				59.54'	59.60'	16.9	16.5				
7-11-05	632			3,850	5,940	6,950	7,130	6.74	6.54	6.33	6.36
				42.12'	42.30'	16.6	16.1				
7-12-05	SBL-1			6,800	7,610	7,760	7,780	6.84	6.84	6.83	6.84
				49.96'	50.38'	15.1	15.0				
7-12-05	624			2,410	3,360	4,790	5,350	7.19	7.02	6.65	6.55
				49.40'	49.45'	16.1	15.7				
7-12-05	624 DUPLICATE			5,350	5,360	5,380	5,410	6.55	6.53	6.53	6.53
				49.45'	49.40'	15.1	15.0				

Comments: Installed new bubbler (transducer) and line on 7-15-05.
 (tube)

Standard Verification Check

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

4-Buffer

7-Buffer

3RD 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.
7-12-05	EPA-28	61.11'	61.27'	3,600	4,660	4,840	5,040
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1034	9.258'	9.079'	6.94	6.85	6.81	6.74
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				20.1	19.0	18.4	17.3
				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.
7-12-05	GW-3	50.95'	51.54'	2,080	3,450	4,520	5,210
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1123	4.640'	3.951'	7.08	7.11	6.68	6.51
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				23.1	22.3	20.2	20.4
				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.
7-12-05	EPA-25	52.00'	52.10'	2,070	3,320	3,930	4,340
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1315	8.872'	8.715'	7.11	7.08	7.00	6.86
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				21.8	20.9	18.7	17.1
				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.
7-12-05	627	56.85'	56.97'	2,080	4,400	5,080	5,250
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1400	5.620'	5.571'	7.22	7.11	7.04	7.01
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				29.0	22.3	20.4	19.1
				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.
7-12-05	613	78.62'	79.20'	2,380	8,230	9,640	10,040
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1447	6.186'	5.485'	3.06	3.03	3.00	3.02
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				23.8	21.1	17.7	16.9
				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.
7-12-05	517	102.30'	105.97'	2,910	4,230	4,500	4,410
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1520	4.421'	0.689'	3.12	3.13	3.10	4.46
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				21.0	19.5	18.6	19.6
				Comments:			

Standard Verification Check

STD. PH Reading Date/Time Initial GROUND WATER MONITORING FIELD DATA SHEET
 4-Buffer 4.03 7-13-05/0820 re
 7-Buffer 7.05 7-13-05/0817 re
 3RD QUARTER 2005
 SAMPLING

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Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	1st Cond. Reading	2nd Cond. Reading	Stable Cond. Reading	Ending Cond. Reading
7-13-05	614			1st pH 7.20	2nd pH 7.27	Stable pH 7.22	Ending pH 6.47
		101.40'	101.88'	1st Temp. 18.6	2nd Temp. 19.0	Stable Temp. 17.1	Ending Temp. 15.7
		Bubbler Start	Bubbler End	Comments:			
		0905	4.950'	4.470'			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	1st Cond. Reading	2nd Cond. Reading	Stable Cond. Reading	Ending Cond. Reading
7-13-05	515-A			1st pH 7.14	2nd pH 7.09	Stable pH 6.83	Ending pH 5.55
		101.19'	104.91'	1st Temp. 18.1	2nd Temp. 17.9	Stable Temp. 16.7	Ending Temp. 15.9
		Bubbler Start	Bubbler End	Comments:			
		0945	7.912'	4.971'			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	1st Cond. Reading	2nd Cond. Reading	Stable Cond. Reading	Ending Cond. Reading
7-13-05	604			1st pH 4.93	2nd pH 4.92	Stable pH 4.86	Ending pH 4.94
		100.00'	100.59'	1st Temp. 18.1	2nd Temp. 17.8	Stable Temp. 16.2	Ending Temp. 15.8
		Bubbler Start	Bubbler End	Comments:			
		1027	8.917'	8.877'			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	1st Cond. Reading	2nd Cond. Reading	Stable Cond. Reading	Ending Cond. Reading
7-13-05	FIELD BLANK			1st pH 6.95	2nd pH	Stable pH	Ending pH
				1st Temp. 30.2	2nd Temp.	Stable Temp.	Ending Temp.
		Bubbler Start	Bubbler End	Comments:			
		1126					
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	1st Cond. Reading	2nd Cond. Reading	Stable Cond. Reading	Ending Cond. Reading
7-18-05	TWQ-142			1st pH 7.25	2nd pH 7.25	Stable pH 7.23	Ending pH 7.29
		201.00'	201.50'	1st Temp. 18.4	2nd Temp. 18.0	Stable Temp. 17.2	Ending Temp. 17.3
		Bubbler Start	Bubbler End	Comments:			
		0854	19.720'	19.181'			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	1st Cond. Reading	2nd Cond. Reading	Stable Cond. Reading	Ending Cond. Reading
7-1-05	NBL-1			1st pH 6.96	2nd pH 7.01	Stable pH 7.06	Ending pH 5.88
		172.83'	172.88'	1st Temp. 21.2	2nd Temp. 19.6	Stable Temp. 18.1	Ending Temp. 17.4
		Bubbler Start	Bubbler End	Comments:			
		0825	0.000'	0.000'			

Standard Verification Check

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

4-Buffer 3.98 7-18-05/0833

7-Buffer 6.92 7-18-05/0834

3RD 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.
7-18-05	504-B	161.52'	162.28'	2,770	4,280	4,940	5,020
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1115	5.086'	4.847'	3.14	3.11	3.08	5.10
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				24.3	22.9	21.9	17.8
				Comments:			
7-18-05	719	160.39'	160.90'	2,590	3,620	4,110	4,050
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1337	4.669'	4.137'	3.04	3.01	2.96	3.31
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				21.9	20.8	19.1	18.2
				Comments:			
7-18-05	420	139.72'	139.92'	2,430	2,690	3,090	3,510
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1407	4.641'	4.483'	7.02	7.02	7.03	6.18
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				21.4	20.7	19.1	17.9
				Comments:			
7-18-05	717	123.00'	123.05'	2,570	3,260	3,750	4,020
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1441	7.501'	7.451'	7.22	7.26	7.22	6.00
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				22.6	20.8	18.6	17.8
				Comments:			
7-18-05	EPA-14	111.95'	112.22'	2,300	3,030	3,980	4,220
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1514	4.303'	4.016'	6.87	6.93	7.00	5.94
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				22.9	20.6	18.2	16.6
				Comments:			
7-19-	EPA-13	165.60'	166.56'	2,370	3,750	5,010	5,140
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	0222	5.058'	6.122'	6.02	6.06	5.86	5.77
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				22.8	19.7	17.5	16.7
				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.
7-19-05	711	180.00'	180.59'	2,110	3,960	4,620	4,400
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	0943	12.056'	11.433'	3.03	2.94	2.80	4.32
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				20.0	19.5	16.9	16.3
				Comments:			
7-19-05	711 DUPLICATE	180.59'	180.99'	4,400	4,480	4,470	4,410
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1004	11.433'	11.084'	4.32	4.35	4.31	4.55
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				16.3	16.1	15.9	16.0
				Comments:			
7-19-05	EPA-2	171.60'	171.80'	2,120	2,430	2,750	2,720
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1045	10.206'	9.632'	6.50	6.60	6.68	6.49
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				19.4	18.2	16.5	16.8
				Comments: Replaced the original probe/tube line (bubbler) with new items on 7-15-05. Original setup was malfunctioning due to a cracked fitting nut @ probe connection.			
7-19-05	EPA-2 DUPLICATE	171.80'	171.97'	2,720	2,750	2,750	2,760
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1104	9.632'	9.508'	6.49	6.41	6.46	6.46
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				16.0	15.4	15.2	16.0
				Comments:			
7-19-05	708	149.64'	150.55'	3,450	4,070	4,960	4,810
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1135	8.804'	7.920'	2.64	2.58	2.53	3.63
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				22.5	20.6	18.3	17.1
				Comments:			
7-19-05	EPA-7	112.04'	113.00'	2,350	5,220	6,400	6,870
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
				6.98	7.18	7.23	5.68
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				24.7	21.2	19.4	17.7
				Comments:			

Standard Verification Check

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

4-Buffer

3RD QUARTER 2005

7-Buffer

SAMPLING

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Date 7-19-05	Well Number EPA-5 Time 1404	WL w/Probe	WL w/Probe	Reading	Reading	Reading	Reading
		Pre-Sample	Post Sample	1st Cond. 2,380	2nd Cond. 3,430	Stable Cond. 4,380	Ending Cond. 4,480
		122.39'	122.70'	1st pH 6.43	2nd pH 6.48	Stable pH 6.34	Ending pH 5.52
		Bubbler Start	Bubbler End	1st Temp. 24.8	2nd Temp. 24.5	Stable Temp. 20.5	Ending Temp. 19.7
		8.561'	8.184'	Comments:			
Date 7-19-05	Well Number EPA-4 Time 1448	WL w/Probe	WL w/Probe	Reading	Reading	Reading	Reading
		Pre-Sample	Post Sample	1st Cond. 3,770	2nd Cond. 3,760	Stable Cond. 3,950	Ending Cond. 4,220
		203.65'	204.05'	1st pH 6.23	2nd pH 6.21	Stable pH 6.20	Ending pH 6.28
		Bubbler Start	Bubbler End	1st Temp. 20.8	2nd Temp. 19.9	Stable Temp. 18.7	Ending Temp. 17.9
		19.215'	18.814'	Comments:			
Date 7-19-05	Well Number FIELD BLANK Time 1550	WL w/Probe	WL w/Probe	Reading	Reading	Reading	Reading
		Pre-Sample	Post Sample	1st Cond. 20	2nd Cond.	Stable Cond.	Ending Cond.
				1st pH 7.48	2nd pH	Stable pH	Ending pH
		Bubbler Start	Bubbler End	1st Temp. 41.4	2nd Temp.	Stable Temp.	Ending Temp.
				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
		Bubbler Start	Bubbler End	1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				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
		Bubbler Start	Bubbler End	1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				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
		Bubbler Start	Bubbler End	1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				Comments:			

Standard Verification Check

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

4-Buffer 3.97 10-3-05/0850

7-Buffer 7.01 10-3-05/0855

4TH QUARTER 2005

SAMPLING

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Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
				1st Cond.	2nd Cond.	Stable Cond.	Ending Cond.
10-3-05	509-D	73.60'	73.69'	1st pH	2nd pH	Stable pH	Ending pH
				7.07	6.78	6.40	6.38
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				14.4	13.7	12.9	12.9
10-3-05	EPA-23	50.90'	51.24'	Comments: CONDUCTIVITY IS IN $\mu S/cm$ TEMPERATURE IS IN $^{\circ}C$ PH IS IN STD. UNITS			
				1st Cond.	2nd Cond.	Stable Cond.	Ending Cond.
				2,030	3,970	4,230	4,450
				1st pH	2nd pH	Stable pH	Ending pH
10-3-05	803	59.31'	59.44'	6.83	6.77	6.65	6.58
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				17.2	16.4	15.5	14.7
				Comments:			
10-3-05	808	46.85'	46.88'	10.863'	10.667'		
				1st Cond.	2nd Cond.	Stable Cond.	Ending Cond.
				2,450	5,030	6,340	6,590
				1st pH	2nd pH	Stable pH	Ending pH
10-3-05	802	45.43'	45.54'	6.61	6.53	6.48	6.45
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				17.0	16.5	15.0	14.6
				Comments:			
10-3-05	801	49.17'	49.98'	17.381'	17.307'		
				1st Cond.	2nd Cond.	Stable Cond.	Ending Cond.
				4,800	5,390	6,510	6,650
				1st pH	2nd pH	Stable pH	Ending pH
10-3-05	801	49.17'	49.98'	6.82	6.72	6.57	6.45
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				16.4	16.8	15.3	15.4
				Comments:			
10-3-05	801	49.17'	49.98'	16.603'	16.669'		
				1st Cond.	2nd Cond.	Stable Cond.	Ending Cond.
				5,140	5,470	7,710	8,050
				1st pH	2nd pH	Stable pH	Ending pH
10-3-05	801	49.17'	49.98'	7.34	7.25	6.51	6.44
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				18.3	18.0	15.9	15.3
				Comments:			
10-3-05	801	49.17'	49.98'	22.144'	22.163'		
				1st Cond.	2nd Cond.	Stable Cond.	Ending Cond.
				5,210	5,400	6,240	6,390
				1st pH	2nd pH	Stable pH	Ending pH
10-3-05	801	49.17'	49.98'	6.65	6.62	6.47	6.49
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				17.7	17.2	15.4	16.3
				Comments:			
10-3-05	801	49.17'	49.98'	17.470'	17.607'		
				1st Cond.	2nd Cond.	Stable Cond.	Ending Cond.
				5,210	5,400	6,240	6,390
				1st pH	2nd pH	Stable pH	Ending pH

Standard Verification Check

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

4-Buffer 3.93 10-4-05/0820

7-Buffer 7.00 10-4-05/0830

4TH QUARTER 2005

SAMPLING

PG. 2 OF 7

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.
10-3-05	GW-2	53.98'	54.44'	5,190	6,260	6,490	6,670
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1514	16.672'	16.235'	6.39	6.38	6.37	6.35
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				18.3	17.3	17.5	16.0
				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.
10-4-05	SBL-1	49.82'	50.36'	2,560	6,030	7,560	7,420
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	0915	9.818'	9.432'	7.14	7.06	6.85	6.65
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				17.3	16.2	15.2	14.7
				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.
10-4-05	624	49.55'	49.56'	2,260	4,240	5,060	5,440
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	0955	12.883'	12.973'	6.98	6.89	6.62	6.56
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				16.0	15.7	14.6	14.2
				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.
10-4-05	624 DUPLICATE	49.56'	49.53'	5,440	5,430	5,450	5,430
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1020	12.973'	12.911'	6.56	6.56	6.56	6.55
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				14.2	14.0	13.9	14.3
				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.
10-4-05	EPA-28	61.33'	61.56'	4,600	4,900	4,950	5,080
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1055	8.944'	8.866'	7.43	7.40	7.18	6.75
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				16.7	16.3	15.9	15.9
				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.
10-4-05	GW-1	59.86'	59.87'	3,330	4,600	5,630	6,460
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1130	10.011'	10.041'	7.40	7.31	6.84	6.63
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				17.7	17.3	16.1	15.6
				Comments:			

Standard Verification Check

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

4-Buffer 3.99 10-5-05/0816

7-Buffer 7.02 10-5-05/0819

4TH QUARTER 2005

SAMPLING

PG. 3 OF 7

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.
10-4-05	632	42.38'	42.61'	2,540	4,920	6,720	7,040
	Time 1203	Bubbler Start 14.385'	Bubbler End 14.166'	1st pH 6.89	2nd pH 6.87	Stable pH 6.57	Ending pH 6.39
				1st Temp. 17.6	2nd Temp. 16.6	Stable Temp. 15.7	Ending Temp. 14.6
				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.
10-4-05	GW-3	51.14'	51.65'	2,320	2,560	4,670	5,350
	Time 1335	Bubbler Start 4.369'	Bubbler End 3.781'	1st pH 7.09	2nd pH 7.10	Stable pH 6.86	Ending pH 6.52
				1st Temp. 19.7	2nd Temp. 18.9	Stable Temp. 18.1	Ending Temp. 17.2
				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.
10-4-05	EPA-25	52.03'	52.15'	2,350	3,350	3,810	4,260
	Time 1420	Bubbler Start 8.783'	Bubbler End 8.649'	1st pH 6.99	2nd pH 7.03	Stable pH 7.03	Ending pH 6.86
				1st Temp. 19.0	2nd Temp. 18.9	Stable Temp. 17.7	Ending Temp. 15.7
				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.
10-4-05	627	56.74'	56.82'	3,270	4,560	5,100	5,180
	Time 1512	Bubbler Start 5.613'	Bubbler End 5.607'	1st pH 7.43	2nd pH 7.43	Stable pH 7.33	Ending pH 7.00
				1st Temp. 20.0	2nd Temp. 18.4	Stable Temp. 17.7	Ending Temp. 16.1
				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.
10-5-05	614	101.33'	101.87'	2,730	4,960	6,520	7,020
	Time 0850	Bubbler Start 4.885'	Bubbler End 4.556'	1st pH 6.87	2nd pH 6.91	Stable pH 6.82	Ending pH 6.48
				1st Temp. 15.7	2nd Temp. 15.0	Stable Temp. 14.5	Ending Temp. 13.8
				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.
10-5-05	515-A	101.20'	104.41'	2,340	5,510	7,120	7,280
	Time 1025	Bubbler Start 8.221'	Bubbler End 11.251'	1st pH 6.37	2nd pH 6.36	Stable pH 6.29	Ending pH 5.53
				1st Temp. 15.3	2nd Temp. 15.1	Stable Temp. 14.4	Ending Temp. 13.4
				Comments:			

Standard Verification Check

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

4-Buffer 3.99 10-10-05/0823

7-Buffer 7.02 10-10-05/0826

4TH QUARTER 2005

SAMPLING

PG. 4 OF 7

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.
10-5-05	604	99.90'	100.52'	5,850	6,370	6,480	6,510
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1015	9.388'	8.922'	4.95	4.93	4.91	4.93
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				14.6	14.1	13.4	13.4
				Comments:			
10-5-05	613	78.50'	79.23'	4,830	9,140	10,010	10,350
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1055	6.061'	5.435'	3.15	3.12	3.10	3.02
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				15.9	15.3	13.9	13.3
				Comments:			
10-5-05	FIELD BLANK			43			
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1135			6.46			
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				17.9			
				Comments:			
10-10-05	TWQ-142	200.71'	201.53'	1,458	1,567	1,623	1,667
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	0900	18.285'	19.319'	7.11	7.17	7.24	7.53
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				11.9	11.8	11.6	11.3
				Comments:			
10-10-05	NBL-1	173.96'	174.05'	3,010	3,890	3,990	4,030
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	0930	8.837'	8.819'	6.72	6.70	6.68	6.26
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				11.2	11.2	11.2	10.9
				Comments:			
10-10-05	504-B	162.16'	162.47'	2,190	4,690	5,810	5,630
	Time	Bubbler Start	Bubbler End	1st pH	2nd pH	Stable pH	Ending pH
	1043	4.847'	4.609'	3.24	3.24	3.24	5.45
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				11.7	11.7	11.6	11.5
				Comments:			

Standard Verification Check

STD. PH Reading Date/Time Initial GROUND WATER MONITORING FIELD DATA SHEET
 4-Buffer 3.97 10-11-05/0835
 7-Buffer 6.99 10-11-05/0836

4TH QUARTER 2005
 SAMPLING

Pg. 5 of 7

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.
10-10-05	719			2,460	4,300	4,350	4,380
				1st pH 3.50	2nd pH 3.52	Stable pH 3.46	Ending pH 3.73
		161.05'	161.50'	1st Temp. 11.4	2nd Temp. 11.5	Stable Temp. 11.4	Ending Temp. 11.6
		Time 1115	Bubbler Start 4.124'	Bubbler End 3.612'	Comments:		
10-10-05	420			2,840	3,240	3,440	3,880
				1st pH 6.69	2nd pH 6.77	Stable pH 6.91	Ending pH 6.65
		140.35'	140.50'	1st Temp. 12.7	2nd Temp. 12.5	Stable Temp. 12.1	Ending Temp. 11.7
		Time 1330	Bubbler Start 3.997'	Bubbler End 3.854'	Comments:		
10-10-05	717			3,500	3,930	4,070	4,550
				1st pH 6.92	2nd pH 7.08	Stable pH 7.22	Ending pH 6.49
		123.50'	123.52'	1st Temp. 11.4	2nd Temp. 11.4	Stable Temp. 11.4	Ending Temp. 11.5
		Time 1403	Bubbler Start 7.899'	Bubbler End 8.009'	Comments:		
10-10-05	EPA-14			2,400	4,500	4,630	4,820
				1st pH 6.85	2nd pH 6.91	Stable pH 6.95	Ending pH 6.33
		112.60'	112.62'	1st Temp. 11.9	2nd Temp. 11.9	Stable Temp. 11.8	Ending Temp. 12.0
		Time 1433	Bubbler Start 3.662'	Bubbler End 3.728'	Comments: Replaced faulty check valve on the freeze line tubing on 10-12-05, so that the remaining water can be blown out to prevent line freezing.		
10-10-05	517			2,620	4,680	4,750	4,460
				1st pH 3.20	2nd pH 3.17	Stable pH 3.14	Ending pH 4.45
		102.10'	105.39'	1st Temp. 12.2	2nd Temp. 12.4	Stable Temp. 12.3	Ending Temp. 12.2
		Time 1505	Bubbler Start 4.656'	Bubbler End 1.227'	Comments:		
10-11-05	EPA-13			3,090	5,180	5,660	5,560
				1st pH 7.14	2nd pH 7.00	Stable pH 6.63	Ending pH 6.06
		165.67'	166.52'	1st Temp. 12.1	2nd Temp. 12.0	Stable Temp. 11.9	Ending Temp. 12.1
		Time 0915	Bubbler Start 5.180'	Bubbler End 6.255'	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.
10-11-05	711			3,160	4,230	5,050	4,690
				1st pH 3.03	2nd pH 3.02	Stable pH 3.01	Ending pH 4.51
		179.94'	180.50'	1st Temp. 11.4	2nd Temp. 11.5	Stable Temp. 11.5	Ending Temp. 12.0
		Time 0957	Bubbler Start 12.114'	Bubbler End 11.588'	Comments:		
10-11-05	711 DUPLICATE			4,690	4,730	4,760	4,730
				1st pH 4.51	2nd pH 4.61	Stable pH 4.65	Ending pH 4.84
		180.50'	180.74'	1st Temp. 12.0	2nd Temp. 12.0	Stable Temp. 11.9	Ending Temp. 12.2
		Time 1022	Bubbler Start 11.588'	Bubbler End 11.269'	Comments:		
10-11-05	708			3,020	3,480	5,320	5,160
				1st pH 2.92	2nd pH 2.90	Stable pH 2.84	Ending pH 3.94
		149.62'	150.46'	1st Temp. 13.1	2nd Temp. 13.0	Stable Temp. 12.8	Ending Temp. 12.5
		Time 1040	Bubbler Start 8.775'	Bubbler End 8.052'	Comments:		
10-11-05	EPA-2			2,130	2,350	2,800	2,870
				1st pH 6.80	2nd pH 6.84	Stable pH 6.88	Ending pH 6.79
		171.21'	171.58'	1st Temp. 14.4	2nd Temp. 14.2	Stable Temp. 14.1	Ending Temp. 13.3
		Time 1115	Bubbler Start 10.299'	Bubbler End 9.787'	Comments:		
10-11-05	EPA-2 DUPLICATE			2,870	2,900	2,910	2,960
				1st pH 6.79	2nd pH 6.78	Stable pH 6.78	Ending pH 6.80
		171.58'	171.72'	1st Temp. 13.3	2nd Temp. 13.3	Stable Temp. 13.2	Ending Temp. 13.2
		Time 1143	Bubbler Start 9.787'	Bubbler End 9.717'	Comments:		
10-11-05	EPA-4			3,540	4,030	4,180	4,430
				1st pH 6.51	2nd pH 6.53	Stable pH 6.53	Ending pH 6.65
		203.78'	204.10'	1st Temp. 14.6	2nd Temp. 14.3	Stable Temp. 14.0	Ending Temp. 13.8
		Time 1347	Bubbler Start 19.149'	Bubbler End 18.799'	Comments:		

Standard Verification Check

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

4-Buffer

7-Buffer

4TH QUARTER 2005

SAMPLING

PG. 7 OF 7

Date 10-11-05	Well Number EPA-5	WL w/Probe	WL w/Probe	Reading	Reading	Reading	Reading
		Pre-Sample	Post Sample	1st Cond. 2,430	2nd Cond. 4,280	Stable Cond. 4,640	Ending Cond. 4,730
		122.30'	122.60'	1st pH 5.88	2nd pH 5.91	Stable pH 5.91	Ending pH 5.87
		Time		1st Temp. 15.3	2nd Temp. 15.1	Stable Temp. 14.8	Ending Temp. 14.0
		Bubbler Start	Bubbler End	Comments:			
		8.534'	8.187'				
Date 10-11-05	Well Number EPA-7	WL w/Probe	WL w/Probe	Reading	Reading	Reading	Reading
		Pre-Sample	Post Sample	1st Cond. 3,700	2nd Cond. 5,840	Stable Cond. 6,990	Ending Cond. 7,210
		112.00'	112.95'	1st pH 6.86	2nd pH 6.90	Stable pH 6.93	Ending pH 6.03
		Time		1st Temp. 15.2	2nd Temp. 14.7	Stable Temp. 14.3	Ending Temp. 13.7
		Bubbler Start	Bubbler End	Comments:			
		15.044'	14.129'				
Date 10-11-05	Well Number FIELD BLANK	WL w/Probe	WL w/Probe	Reading	Reading	Reading	Reading
		Pre-Sample	Post Sample	1st Cond. 19	2nd Cond.	Stable Cond.	Ending Cond.
				1st pH 7.65	2nd pH	Stable pH	Ending pH
		Time		1st Temp. 20.9	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:			
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:			

APPENDIX B

QUARTERLY SAMPLING

SEMI-ANNUAL GROUND WATER MONITORING REPORT

JULY AND OCTOBER 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: C05070605-004
Client Sample ID: Field Blank

Report Date: 08/12/05
Collection Date: 07/13/05 11:26
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	8	mg/L		1		A2320 B	07/21/05 13:44 / sl
Calcium	ND	mg/L		0.5		E200.7	07/21/05 16:17 / ts
Chloride	2	mg/L		1		E200.7	07/21/05 16:17 / ts
Magnesium	ND	mg/L		0.5		E200.7	07/21/05 16:17 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	07/21/05 09:41 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/18/05 14:08 / jal
Potassium	ND	mg/L		0.5		E200.7	07/21/05 16:17 / ts
Sodium	3.6	mg/L		0.5		E200.7	07/21/05 16:17 / ts
Sulfate	1	mg/L		1		E200.7	07/21/05 16:17 / ts
PHYSICAL PROPERTIES							
pH	6.94	s.u.		0.01		A4500-H B	07/18/05 13:05 / th
Solids, Total Dissolved TDS @ 180 C	16	mg/L		10		A2540 C	07/18/05 16:03 / th
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	07/21/05 06:31 / bws
Beryllium	ND	mg/L		0.01		E200.8	07/21/05 06:31 / bws
Cadmium	ND	mg/L		0.005		E200.8	07/21/05 06:31 / bws
Cobalt	ND	mg/L		0.01		E200.8	07/21/05 06:31 / bws
Lead	ND	mg/L		0.05		E200.8	07/21/05 06:31 / bws
Manganese	ND	mg/L		0.01		E200.8	07/21/05 06:31 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/21/05 06:31 / bws
Nickel	ND	mg/L		0.05		E200.8	07/21/05 06:31 / bws
Uranium	ND	mg/L		0.0003		E200.8	07/21/05 06:31 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/21/05 06:31 / bws
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	07/18/05 14:29 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	07/19/05 10:38 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	07/22/05 12:40 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	07/21/05 10:30 / ph
Radium 226	ND	pCi/L		0.2		E903.0	07/18/05 15:15 / df
Radium 228	ND	pCi/L		1.0		E904.0	07/18/05 15:15 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	07/20/05 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: Zone 1
Lab ID: C05070605-004
Client Sample ID: Field Blank

Report Date: 08/12/05
Collection Date: 07/13/05 11:26
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/20/05 20:56 / jlr
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	E624	07/20/05 20:56 / jlr
Surr: Dibromofluoromethane	114	%REC			70-130	E624	07/20/05 20:56 / jlr
Surr: p-Bromofluorobenzene	108	%REC			75-125	E624	07/20/05 20:56 / jlr
Surr: Toluene-d8	99.6	%REC			80-120	E624	07/20/05 20:56 / jlr

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: C05070909-007
Client Sample ID: Field Blank

Report Date: 08/25/05
Collection Date: 07/19/05 15:50
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	10	mg/L		1		A2320 B	07/26/05 19:12 / sl
Calcium	ND	mg/L		0.5		E200.7	08/01/05 12:41 / ts
Chloride	2	mg/L		1		E200.7	08/01/05 13:41 / ts
Magnesium	ND	mg/L		0.5		E200.7	08/01/05 12:41 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	07/28/05 13:04 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/27/05 08:13 / jal
Potassium	ND	mg/L		0.5		E200.7	08/01/05 12:41 / ts
Sodium	3.6	mg/L		0.5		E200.7	08/01/05 12:41 / ts
Sulfate	ND	mg/L		1		E200.7	08/01/05 12:41 / ts
PHYSICAL PROPERTIES							
pH	7.43	s.u.		0.01		A4500-H B	07/25/05 13:19 / th
Solids, Total Dissolved TDS @ 180 C	22	mg/L		10		A2540 C	07/25/05 12:27 / th
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	08/03/05 06:06 / bws
Beryllium	ND	mg/L		0.01		E200.8	08/03/05 06:06 / bws
Cadmium	ND	mg/L		0.005		E200.8	08/03/05 06:06 / bws
Cobalt	ND	mg/L		0.01		E200.7	08/01/05 12:41 / ts
Lead	ND	mg/L		0.05		E200.8	08/03/05 06:06 / bws
Manganese	ND	mg/L		0.01		E200.7	08/01/05 12:41 / ts
Molybdenum	ND	mg/L		0.1		E200.7	08/01/05 12:41 / ts
Nickel	ND	mg/L		0.05		E200.8	08/03/05 06:06 / bws
Uranium	ND	mg/L		0.0003		E200.8	08/03/05 06:06 / bws
Vanadium	ND	mg/L		0.1		E200.7	08/01/05 12:41 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	07/25/05 09:45 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	07/25/05 14:54 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	07/26/05 11:35 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	07/28/05 01:31 / ph
Radium 226	ND	pCi/L		0.2		E903.0	07/25/05 14:05 / df
Radium 228	ND	pCi/L		1.0		E904.0	07/25/05 14:05 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	08/17/05 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: C05070909-007
Client Sample ID: Field Blank

Report Date: 08/25/05
Collection Date: 07/19/05 15:50
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	-13.8	%				Calculation	08/09/05 10:28 / dab
Anions	0.227	meq/L				Calculation	08/09/05 10:28 / dab
Cations	0.172	meq/L				Calculation	08/09/05 10:28 / dab
Solids, Total Dissolved Calculated	13.0	mg/L				Calculation	08/09/05 10:28 / dab
TDS Balance (0.80 - 1.20)	1.69	dec. %				Calculation	08/09/05 10:28 / dab
- The ion balance is not appropriate for near blank results.							
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/26/05 20:07 / jlr
Surr: 1,2-Dichlorobenzene-d4	108	%REC			80-120	E624	07/26/05 20:07 / jlr
Surr: Dibromofluoromethane	102	%REC			70-130	E624	07/26/05 20:07 / jlr
Surr: p-Bromofluorobenzene	106	%REC			75-125	E624	07/26/05 20:07 / jlr
Surr: Toluene-d8	96.8	%REC			80-120	E624	07/26/05 20:07 / jlr

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: C05100338-002
Client Sample ID: Field Blank

Report Date: 11/03/05
Collection Date: 10/05/05 11:35
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	9	mg/L		1		A2320 B	10/10/05 17:43 / th
Calcium	0.7	mg/L		0.5		E200.7	10/19/05 15:05 / ts
Chloride	2	mg/L		1		E200.7	10/19/05 15:05 / ts
Magnesium	0.8	mg/L		0.5		E200.7	10/19/05 15:05 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	10/10/05 16:54 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/10/05 10:56 / jal
Potassium	ND	mg/L		0.5		E200.7	10/19/05 15:05 / ts
Sodium	4.2	mg/L		0.5		E200.7	10/24/05 11:14 / ts
Sulfate	5	mg/L		1		E200.7	10/24/05 11:14 / ts
PHYSICAL PROPERTIES							
pH	6.81	s.u.		0.01		A4500-H B	10/10/05 16:55 / jc
Solids, Total Dissolved TDS @ 180 C	20	mg/L		10		A2540 C	10/10/05 13:34 / jc
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	10/19/05 15:05 / ts
Beryllium	ND	mg/L		0.01		E200.8	10/21/05 02:54 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/21/05 02:54 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/21/05 02:54 / sml
Lead	ND	mg/L		0.05		E200.8	10/21/05 02:54 / sml
Molybdenum	ND	mg/L		0.1		E200.8	10/21/05 02:54 / sml
Nickel	ND	mg/L		0.05		E200.8	10/21/05 02:54 / sml
Uranium	ND	mg/L		0.0003		E200.8	10/21/05 02:54 / sml
Vanadium	ND	mg/L		0.1		E200.8	10/21/05 02:54 / sml
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	10/12/05 12:10 / sl
Selenium-IV	ND	mg/L		0.001		A3114 B	10/12/05 15:25 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	10/14/05 13:00 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	10/14/05 10:30 / ph
Radium 226	ND	pCi/L		0.2		E903.0	10/12/05 15:15 / df
Radium 228	ND	pCi/L		1.0		RA-05	10/12/05 15:50 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	10/25/05 10:30 / ph
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/14/05 00:32 / jlr
Surr: 1,2-Dichlorobenzene-d4	100	%REC			80-120	E624	10/14/05 00:32 / jlr
Surr: Dibromofluoromethane	100	%REC			70-130	E624	10/14/05 00:32 / jlr
Surr: p-Bromofluorobenzene	98.8	%REC			75-125	E624	10/14/05 00:32 / jlr
Surr: Toluene-d8	100	%REC			80-120	E624	10/14/05 00:32 / jlr

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: C05100643-007
Client Sample ID: Field Blank

Report Date: 11/04/05
Collection Date: 10/11/05 15:55
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	6	mg/L		1		A2320 B	10/17/05 15:52 / th
Calcium	ND	mg/L		0.5		E200.7	10/19/05 17:57 / ts
Chloride	4	mg/L		1		E200.7	10/19/05 17:57 / ts
Magnesium	ND	mg/L		0.5		E200.7	10/19/05 17:57 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	10/18/05 12:21 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/17/05 12:00 / jal
Potassium	ND	mg/L		0.5		E200.7	10/19/05 17:57 / ts
Sodium	3.9	mg/L		0.5		E200.7	10/19/05 17:57 / ts
Sulfate	1	mg/L		1		E200.7	10/19/05 17:57 / ts
PHYSICAL PROPERTIES							
pH	7.33	s.u.		0.01		A4500-H B	10/17/05 14:24 / jc
Solids, Total Dissolved TDS @ 180 C	ND	mg/L		10		A2540 C	10/17/05 13:44 / jc
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	10/19/05 17:57 / ts
Beryllium	ND	mg/L		0.01		E200.8	10/20/05 17:34 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/20/05 17:34 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/20/05 17:34 / sml
Lead	ND	mg/L		0.05		E200.8	10/20/05 17:34 / sml
Manganese	ND	mg/L		0.01		E200.7	10/19/05 17:57 / ts
Molybdenum	ND	mg/L		0.1		E200.7	10/19/05 17:57 / ts
Nickel	ND	mg/L		0.05		E200.8	10/20/05 17:34 / sml
Uranium	ND	mg/L		0.0003		E200.8	10/20/05 17:34 / sml
Vanadium	ND	mg/L		0.1		E200.7	10/19/05 17:57 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	10/20/05 15:45 / sl
Selenium-IV	ND	mg/L		0.001		A3114 B	10/20/05 12:37 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	10/20/05 16:55 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	10/25/05 10:30 / ph
Radium 226	ND	pCi/L		0.2		E903.0	10/17/05 15:15 / df
Radium 228	ND	pCi/L		1.0		RA-05	10/17/05 15:15 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	10/25/05 10:30 / ph
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/17/05 16:51 / jlr
Surr: 1,2-Dichlorobenzene-d4	100	%REC			80-120	E624	10/17/05 16:51 / jlr
Surr: Dibromofluoromethane	110	%REC			70-130	E624	10/17/05 16:51 / jlr
Surr: p-Bromofluorobenzene	102	%REC			75-125	E624	10/17/05 16:51 / jlr
Surr: Toluene-d8	93.6	%REC			80-120	E624	10/17/05 16:51 / jlr

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: Alluvium Monitor Wells					
Well ID:		624	624	624	624
Collection Date:		10/4/2005	7/12/2005	4/5/2005	1/4/2005
Receive Date:		10/7/2005	7/15/2005	4/8/2005	1/7/2005
Report Date:		10/31/2005	8/12/2005	4/29/2005	1/28/2005
Analyte	Units	C05100333-009	C05070603-011	C05040333-009	C05010240-010
Bicarbonate as HCO ₃	mg/L	1370	1340	1400	1360
Calcium	mg/L	693	673	635	702
Chloride	mg/L	184	176	159	166
Magnesium	mg/L	436	434	394	435
Nitrogen, Ammonia as N	mg/L	ND(0.05)	0.09	ND(0.05)	0.05
Nitrogen, Nitrate+Nitrite as N	mg/L	75	70	73	86
Potassium	mg/L	6.2	5.9	5.6	6.3
Sodium	mg/L	241	246	238	240
Sulfate	mg/L	2170	2100	1930	2030
pH	s.u.	7.21	7.29	7.30	6.99
Solids, Total Dissolved TDS @ 180 C	mg/L	5130	5120	5000	5240
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	0.08	0.07	0.06	0.06
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	0.0316	0.0304	0.0330	0.0343
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	ND(1.0)	ND(1.0)	ND(1.0)	2.2
Gross Alpha minus Rn & U Precision (±)	pCi/L				1.6
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	ND(0.2)	0.3	0.7	0.4
Radium 226 precision (±)	pCi/L		0.3	0.6	0.3
Radium 228	pCi/L	2.9	ND(1.0)	ND(1.0)	ND(1.0)
Radium 228 precision (±)	pCi/L	2.3			
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)		1.79	2.99	1.24	3.94
Anions		78.2	75.5	72.8	75.3
Cations		81.1	80.2	74.6	81.4
Solids, Total Dissolved Calculated		4760	4620	4390	4640
TDS Balance (0.80 - 1.20)		1.08	1.11	1.14	1.13
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:\clients\2005\unc_mining\unc_gallup-4th2005_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:		10/4/2005	7/12/2005	4/5/2005	1/4/2005	
Receive Date:		10/7/2005	7/15/2005	4/8/2005	1/7/2005	
Report Date:		10/31/2005	8/12/2005	4/29/2005	1/28/2005	
Analyte	Units	C05100333-010	C05070603-012	C05040333-010	C05010240-011	
Bicarbonate as HCO ₃	mg/L	1370	1340	1400	1420	
Calcium	mg/L	696	694	599	692	
Chloride	mg/L	188	177	169	162	
Magnesium	mg/L	434	424	382	430	
Nitrogen, Ammonia as N	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	0.05	
Nitrogen, Nitrate+Nitrite as N	mg/L	75	81	70	86	
Potassium	mg/L	6.3	5.9	4.5	6.3	
Sodium	mg/L	242	244	237	234	
Sulfate	mg/L	2160	2100	2060	2000	
pH	s.u.	7.18	7.32	7.29	7.06	
Solids, Total Dissolved TDS @ 180 C	mg/L	5070	5010	4970	5240	
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	0.08	0.07	0.06	0.06	
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	0.0318	0.0307	0.0325	0.0324	
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	1.4	ND(1.0)	ND(1.0)	ND(1.0)	
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.0				
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	ND(0.2)	0.3	ND(0.2)	0.3	
Radium 226 precision (±)	pCi/L		0.3		0.3	
Radium 228	pCi/L	1.7	ND(1.0)	ND(1.0)	ND(1.0)	
Radium 228 precision (±)	pCi/L	0.9				
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)		1.95	2.36	0.175	3.01	
Anions		78.1	76.5	71.5	75.6	
Cations		81.2	80.2	71.8	80.3	
Solids, Total Dissolved Calculated		4750	4680	4220	4620	
TDS Balance (0.80 - 1.20)		1.07	1.07	1.18	1.13	
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:\clients\2005\unc_mining\unc_gallup-4th2005_final.xls

LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C05070603-012
Client Sample ID: 624 Duplicate

Report Date: 08/12/05
Collection Date: 07/12/05 10:00
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	1340	mg/L		1		A2320 B	07/21/05 11:46 / sl
Calcium	694	mg/L	D	0.6		E200.7	07/21/05 14:23 / ts
Chloride	177	mg/L		1		E200.7	07/21/05 12:49 / ts
Magnesium	424	mg/L	D	0.5		E200.7	07/21/05 14:23 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	07/21/05 09:09 / jal
Nitrogen, Nitrate+Nitrite as N	81	mg/L	D	2		E353.2	07/18/05 13:25 / jal
Potassium	5.9	mg/L		0.5		E200.7	07/21/05 12:49 / ts
Sodium	244	mg/L		0.5		E200.7	07/21/05 12:49 / ts
Sulfate	2100	mg/L	D	8		E200.7	07/21/05 14:23 / ts
PHYSICAL PROPERTIES							
pH	7.32	s.u.		0.01		A4500-H B	07/18/05 12:28 / th
Solids, Total Dissolved TDS @ 180 C	5010	mg/L		10		A2540 C	07/18/05 16:00 / th
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	07/19/05 21:16 / bws
Beryllium	ND	mg/L		0.01		E200.8	07/19/05 21:16 / bws
Cadmium	ND	mg/L		0.005		E200.8	07/19/05 21:16 / bws
Cobalt	ND	mg/L		0.01		E200.8	07/19/05 21:16 / bws
Lead	ND	mg/L		0.05		E200.8	07/19/05 21:16 / bws
Manganese	0.07	mg/L		0.01		E200.8	07/19/05 21:16 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/19/05 21:16 / bws
Nickel	ND	mg/L		0.05		E200.8	07/19/05 21:16 / bws
Uranium	0.0307	mg/L		0.0003		E200.8	07/19/05 21:16 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/19/05 21:16 / bws
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	07/18/05 13:57 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	07/19/05 10:05 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	07/22/05 12:40 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	07/21/05 10:30 / ph
Radium 226	0.3	pCi/L		0.2		E903.0	07/19/05 15:00 / df
Radium 226 precision (±)	0.3	pCi/L				E903.0	07/19/05 15:00 / df
Radium 228	ND	pCi/L		1.0		E904.0	07/19/05 15:00 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	07/21/05 10:30 / ph

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

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

D - RL increased due to sample matrix interference.



LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C05070603-012
Client Sample ID: 624 Duplicate

Report Date: 08/12/05
Collection Date: 07/12/05 10:00
Date Received: 07/15/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	2.36	%				Calculation	07/29/05 14:19 / smd
Anions	76.5	meq/L				Calculation	07/29/05 14:19 / smd
Cations	80.2	meq/L				Calculation	07/29/05 14:19 / smd
Solids, Total Dissolved Calculated	4680	mg/L				Calculation	07/29/05 14:19 / smd
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	07/29/05 14:19 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/21/05 00:01 / jlr
Surr: 1,2-Dichlorobenzene-d4	109	%REC			80-120	E624	07/21/05 00:01 / jlr
Surr: Dibromofluoromethane	122	%REC			70-130	E624	07/21/05 00:01 / jlr
Surr: p-Bromofluorobenzene	105	%REC			75-125	E624	07/21/05 00:01 / jlr
Surr: Toluene-d8	102	%REC			80-120	E624	07/21/05 00:01 / jlr

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: C05100333-010
Client Sample ID: 624 Duplicate

Report Date: 11/01/05
Collection Date: 10/04/05 10:20
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	1370	mg/L		1		A2320 B	10/13/05 17:00 / th
Calcium	696	mg/L	D	0.6		E200.7	10/18/05 14:46 / ts
Chloride	188	mg/L		1		E200.7	10/18/05 11:55 / ts
Magnesium	434	mg/L	D	0.5		E200.7	10/18/05 14:46 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	10/10/05 16:31 / jal
Nitrogen, Nitrate+Nitrite as N	75	mg/L	D	2		E353.2	10/10/05 12:03 / jal
Potassium	6.3	mg/L		0.5		E200.7	10/18/05 11:55 / ts
Sodium	242	mg/L		0.5		E200.7	10/18/05 11:55 / ts
Sulfate	2160	mg/L	D	8		E200.7	10/18/05 14:46 / ts
PHYSICAL PROPERTIES							
pH	7.18	s.u.		0.01		A4500-H B	10/10/05 16:41 / jc
Solids, Total Dissolved TDS @ 180 C	5070	mg/L		10		A2540 C	10/10/05 13:29 / jc
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	10/18/05 11:55 / ts
Beryllium	ND	mg/L		0.01		E200.8	10/21/05 00:00 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/21/05 00:00 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/21/05 00:00 / sml
Lead	ND	mg/L		0.05		E200.8	10/21/05 00:00 / sml
Manganese	0.08	mg/L		0.01		E200.7	10/18/05 11:55 / ts
Molybdenum	ND	mg/L		0.1		E200.7	10/18/05 11:55 / ts
Nickel	ND	mg/L		0.05		E200.8	10/21/05 00:00 / sml
Uranium	0.0318	mg/L		0.0003		E200.8	10/21/05 00:00 / sml
Vanadium	ND	mg/L		0.1		E200.7	10/18/05 11:55 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	10/12/05 11:41 / sl
Selenium-IV	ND	mg/L		0.001		A3114 B	10/12/05 14:54 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.4	pCi/L		1.0		E900.1	10/14/05 13:00 / rs
Gross Alpha minus Rn & U Precision (±)	1.0	pCi/L				E900.1	10/14/05 13:00 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	10/14/05 10:30 / ph
Radium 226	ND	pCi/L		0.2		E903.0	10/12/05 14:40 / df
Radium 228	1.7	pCi/L		1.0		RA-05	10/12/05 14:40 / pj
Radium 228 precision (±)	0.9	pCi/L				RA-05	10/12/05 14:40 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	10/11/05 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: C05100333-010
Client Sample ID: 624 Duplicate

Report Date: 11/01/05
Collection Date: 10/04/05 10:20
Date Received: 10/07/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	1.95	%				Calculation	10/21/05 16:52 / smd
Anions	78.1	meq/L				Calculation	10/21/05 16:52 / smd
Cations	81.2	meq/L				Calculation	10/21/05 16:52 / smd
Solids, Total Dissolved Calculated	4750	mg/L				Calculation	10/21/05 16:52 / smd
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	10/21/05 16:52 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/14/05 04:21 / jlr
Surr: 1,2-Dichlorobenzene-d4	101	%REC			80-120	E624	10/14/05 04:21 / jlr
Surr: Dibromofluoromethane	108	%REC			70-130	E624	10/14/05 04:21 / jlr
Surr: p-Bromofluorobenzene	99.6	%REC			75-125	E624	10/14/05 04:21 / jlr
Surr: Toluene-d8	97.2	%REC			80-120	E624	10/14/05 04:21 / 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 1 Monitor Wells						
Well ID:		EPA-2	EPA-2	EPA-2	EPA-2	
Collection Date:		10/11/2005	7/19/2005	4/12/2005	1/11/2005	
Receive Date:		10/14/2005	7/22/2005	4/15/2005	1/14/2005	
Report Date:		11/4/2005	8/24/2005	5/9/2005	2/3/2005	
Analyte	Units	C05100643-002	C05070909-002	C05040662-002	C05010490-002	
Bicarbonate as HCO ₃	mg/L	284	389	348	356	
Calcium	mg/L	352	350	403	390	
Chloride	mg/L	23	20	22	23	
Magnesium	mg/L	163	160	185	180	
Nitrogen, Ammonia as N	mg/L	0.47	0.40	0.49	0.51	
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Potassium	mg/L	6.4	5.9	6.8	6.6	
Sodium	mg/L	199	195	206	201	
Sulfate	mg/L	1560	1420	1740	1630	
pH	s.u.	7.26	7.28	7.08	7.11	
Solids, Total Dissolved TDS @ 180 C	mg/L	2640	2590	2750	2850	
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	1.28	1.25	1.52	1.45	
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	0.0011	0.0011	0.0012	0.0018	
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	1.1	ND(1.0)	1.5	2.7	
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.1		1.1	1.4	
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	1.6	1.1	0.7	0.8	
Radium 226 precision (±)	pCi/L	0.5	0.4	0.4	0.4	
Radium 228	pCi/L	3.7	1.8	1.4	2.2	
Radium 228 precision (±)	pCi/L	1.2	0.9	1.2	1.5	
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)		3.23	4.03	2.76	3.99	
Anions		37.9	36.6	42.6	40.5	
Cations		40.4	39.7	45.0	43.8	
Solids, Total Dissolved Calculated		2470	2370	2760	2630	
TDS Balance (0.80 - 1.20)		1.07	1.09	1.00	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.

kls: r:\clients2005\unc_mining\unc_gallup-4th2005_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:		10/11/2005	7/19/2005	4/12/2005	1/11/2005
Receive Date:		10/14/2005	7/22/2005	4/15/2005	1/14/2005
Report Date:		11/4/2005	8/24/2005	5/9/2005	2/3/2005
Analyte	Units	C05100643-003	C05070909-003	C05040662-003	C05010490-003
Bicarbonate as HCO ₃	mg/L	357	335	322	325
Calcium	mg/L	351	346	406	397
Chloride	mg/L	24	17	23	23
Magnesium	mg/L	163	159	185	187
Nitrogen, Ammonia as N	mg/L	0.52	0.46	0.50	0.57
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	6.5	5.8	6.9	6.8
Sodium	mg/L	197	196	203	202
Sulfate	mg/L	1570	1450	1760	1670
pH	s.u.	7.19	7.15	7.11	7.05
Solids, Total Dissolved TDS @ 180 C	mg/L	2690	2630	2750	2910
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	1.31	1.24	1.53	1.53
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	0.0010	0.0010	0.0012	0.0019
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	2.2	1.2	2.5	3.4
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.2	1.0	1.2	1.5
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	1.6	0.9	0.7	0.5
Radium 226 precision (±)	pCi/L	0.5	0.4	0.4	0.4
Radium 228	pCi/L	2.9	2.0	3.2	4.1
Radium 228 precision (±)	pCi/L	1.2	1.0	1.2	1.5
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)		1.38	4.35	3.03	4.68
Anions		39.3	36.2	42.6	40.8
Cations		40.4	39.5	45.2	44.8
Solids, Total Dissolved Calculated		2520	2370	2770	2670
TDS Balance (0.80 - 1.20)		1.07	1.11	0.990	1.09
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:\clients\2005\unc_mining\unc_gallup-4th2005_final.xls

LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C05070909-003
Client Sample ID: EPA-2 Duplicate

Report Date: 08/25/05
Collection Date: 07/19/05 11:04
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	335	mg/L			1	A2320 B	07/26/05 18:08 / sl
Calcium	346	mg/L	D		0.6	E200.7	08/01/05 12:11 / ts
Chloride	17	mg/L			1	E200.7	08/01/05 12:08 / ts
Magnesium	159	mg/L	D		0.5	E200.7	08/01/05 12:11 / ts
Nitrogen, Ammonia as N	0.46	mg/L			0.05	A4500-NH3 G	07/28/05 12:56 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L			0.1	E353.2	07/25/05 11:31 / jal
Potassium	5.8	mg/L			0.5	E200.7	08/01/05 12:08 / ts
Sodium	196	mg/L			0.5	E200.7	08/01/05 12:08 / ts
Sulfate	1450	mg/L	D		8	E200.7	08/01/05 12:11 / ts
PHYSICAL PROPERTIES							
pH	7.15	s.u.			0.01	A4500-H B	07/25/05 13:07 / th
Solids, Total Dissolved TDS @ 180 C	2630	mg/L			10	A2540 C	07/25/05 12:26 / th
METALS - TOTAL							
Aluminum	ND	mg/L			0.1	E200.8	08/03/05 05:40 / bws
Beryllium	ND	mg/L			0.01	E200.8	08/03/05 05:40 / bws
Cadmium	ND	mg/L			0.005	E200.8	08/03/05 05:40 / bws
Cobalt	ND	mg/L			0.01	E200.7	08/01/05 12:08 / ts
Lead	ND	mg/L			0.05	E200.7	08/01/05 12:08 / ts
Manganese	1.24	mg/L			0.01	E200.7	08/01/05 12:08 / ts
Molybdenum	ND	mg/L			0.1	E200.7	08/01/05 12:08 / ts
Nickel	ND	mg/L			0.05	E200.8	08/03/05 05:40 / bws
Uranium	0.0010	mg/L			0.0003	E200.8	08/03/05 05:40 / bws
Vanadium	ND	mg/L			0.1	E200.7	08/01/05 12:08 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L			0.001	A3114 B	07/25/05 09:37 / sml
Selenium-IV	ND	mg/L			0.001	A3114 B	07/25/05 14:46 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.2	pCi/L			1.0	E900.1	07/26/05 11:35 / rs
Gross Alpha minus Rn & U Precision (±)	1.0	pCi/L				E900.1	07/26/05 11:35 / rs
Lead 210	ND	pCi/L			1.0	NERHL-65-4	07/28/05 01:31 / ph
Radium 226	0.9	pCi/L			0.2	E903.0	07/25/05 14:05 / df
Radium 226 precision (±)	0.4	pCi/L				E903.0	07/25/05 14:05 / df
Radium 228	2.0	pCi/L			1.0	E904.0	07/25/05 14:05 / pj
Radium 228 precision (±)	1	pCi/L				E904.0	07/25/05 14:05 / pj
Thorium 230	ND	pCi/L			0.2	E907.0	08/17/05 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: C05070909-003
Client Sample ID: EPA-2 Duplicate

Report Date: 08/25/05
Collection Date: 07/19/05 11:04
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.35	%				Calculation	08/12/05 10:03 / dab
Anions	36.2	meq/L				Calculation	08/12/05 10:03 / dab
Cations	39.5	meq/L				Calculation	08/12/05 10:03 / dab
Solids, Total Dissolved Calculated	2370	mg/L				Calculation	08/12/05 10:03 / dab
TDS Balance (0.80 - 1.20)	1.11	dec. %				Calculation	08/12/05 10:03 / dab
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/26/05 15:47 / jlr
Surr: 1,2-Dichlorobenzene-d4	106	%REC			80-120	E624	07/26/05 15:47 / jlr
Surr: Dibromofluoromethane	103	%REC			70-130	E624	07/26/05 15:47 / jlr
Surr: p-Bromofluorobenzene	102	%REC			75-125	E624	07/26/05 15:47 / jlr
Surr: Toluene-d8	94.8	%REC			80-120	E624	07/26/05 15:47 / jlr

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: C05100643-003
Client Sample ID: EPA-2 Duplicate

Report Date: 11/04/05
Collection Date: 10/11/05 11:43
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	357	mg/L		1		A2320 B	10/17/05 15:52 / th
Calcium	351	mg/L	D	0.6		E200.7	10/19/05 18:33 / ts
Chloride	24	mg/L		1		E200.7	10/19/05 17:36 / ts
Magnesium	163	mg/L	D	0.5		E200.7	10/19/05 18:33 / ts
Nitrogen, Ammonia as N	0.52	mg/L		0.05		A4500-NH3 G	10/18/05 12:07 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/17/05 11:43 / jal
Potassium	6.5	mg/L		0.5		E200.7	10/19/05 17:36 / ts
Sodium	197	mg/L		0.5		E200.7	10/19/05 17:36 / ts
Sulfate	1570	mg/L	D	8		E200.7	10/19/05 18:33 / ts
PHYSICAL PROPERTIES							
pH	7.19	s.u.		0.01		A4500-H B	10/17/05 13:49 / jc
Solids, Total Dissolved TDS @ 180 C	2690	mg/L		10		A2540 C	10/17/05 13:43 / jc
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	10/19/05 17:36 / ts
Beryllium	ND	mg/L		0.01		E200.8	10/20/05 16:41 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/20/05 16:41 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/20/05 16:41 / sml
Lead	ND	mg/L		0.05		E200.8	10/20/05 16:41 / sml
Manganese	1.31	mg/L		0.01		E200.7	10/19/05 17:36 / ts
Molybdenum	ND	mg/L		0.1		E200.7	10/19/05 17:36 / ts
Nickel	ND	mg/L		0.05		E200.8	10/20/05 16:41 / sml
Uranium	0.0010	mg/L		0.0003		E200.8	10/20/05 16:41 / sml
Vanadium	ND	mg/L		0.1		E200.7	10/19/05 17:36 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	10/20/05 15:22 / sl
Selenium-IV	ND	mg/L		0.001		A3114 B	10/20/05 12:27 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	2.2	pCi/L		1.0		E900.1	10/20/05 16:55 / rs
Gross Alpha minus Rn & U Precision (±)	1.2	pCi/L				E900.1	10/20/05 16:55 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	10/25/05 10:30 / ph
Radium 226	1.6	pCi/L		0.2		E903.0	10/17/05 15:15 / df
Radium 226 precision (±)	0.5	pCi/L				E903.0	10/17/05 15:15 / df
Radium 228	2.9	pCi/L		1.0		RA-05	10/17/05 15:15 / pj
Radium 228 precision (±)	1.2	pCi/L				RA-05	10/17/05 15:15 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	10/25/05 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: Zone 1
Lab ID: C05100643-003
Client Sample ID: EPA-2 Duplicate

Report Date: 11/04/05
Collection Date: 10/11/05 11:43
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	1.38	%				Calculation	10/26/05 10:33 / dab
Anions	39.3	meq/L				Calculation	10/26/05 10:33 / dab
Cations	40.4	meq/L				Calculation	10/26/05 10:33 / dab
Solids, Total Dissolved Calculated	2520	mg/L				Calculation	10/26/05 10:33 / dab
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	10/26/05 10:33 / dab
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/20/05 03:01 / rh
Surr: 1,2-Dichlorobenzene-d4	110	%REC			80-120	E624	10/20/05 03:01 / rh
Surr: Dibromofluoromethane	100	%REC			70-130	E624	10/20/05 03:01 / rh
Surr: p-Bromofluorobenzene	89.6	%REC			75-125	E624	10/20/05 03:01 / rh
Surr: Toluene-d8	94.4	%REC			80-120	E624	10/20/05 03:01 / rh

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:		10/11/2005	7/19/2005	4/12/2005	1/11/2005
Receive Date:		10/14/2005	7/22/2005	4/15/2005	1/14/2005
Report Date:		11/4/2005	8/24/2005	5/11/2005	2/3/2005
Analyte	Units	C05100641-009	C05070910-008	C05040663-007	C05010491-009
Bicarbonate as HCO3	mg/L	ND(1)	ND(1)	ND(1)	ND(1)
Calcium	mg/L	492	490	517	499
Chloride	mg/L	21	20	19	19
Magnesium	mg/L	526	498	532	513
Nitrogen, Ammonia as N	mg/L	0.82	0.95	1.08	0.84
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	10.8	10.9	11.1	10.7
Sodium	mg/L	99.8	100	108	98.1
Sulfate	mg/L	3560	3410	3710	3380
pH	s.u.	3.62	3.57	3.73	3.57
Solids, Total Dissolved TDS @ 180 C	mg/L	5240	5380	5190	5380
Aluminum	mg/L	0.8	0.7	0.9	0.9
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	0.44	0.45	0.40	0.48
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	7.30	7.36	7.59	6.95
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	0.36	0.42	0.37	0.42
Uranium	mg/L	0.0302	0.0346	0.0336	0.0379
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.04	0.03	0.02	0.04
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	12.4	10.8	10.8	12.3
Gross Alpha minus Rn & U Precision (±)	pCi/L	2.2	2.1	1.4	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	7.3	6.2	10.7	5.1
Radium 226 precision (±)	pCi/L	1.2	0.8	1.1	0.9
Radium 228	pCi/L	15.3	12.0	11.2	10.0
Radium 228 precision (±)	pCi/L	2.3	1.2	1.3	1.7
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)		1.57	2.36	1.14	3.46
Anions		74.7	71.5	77.8	70.9
Cations		77.1	75.0	79.6	76.0
Solids, Total Dissolved Calculated		4720	4540	4910	4530
TDS Balance (0.80 - 1.20)		1.11	1.19	1.06	1.19
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-4th2005_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:		10/11/2005	7/19/2005	4/12/2005	1/11/2005	
Receive Date:		10/14/2005	7/22/2005	4/15/2005	1/14/2005	
Report Date:		11/4/2005	8/24/2005	5/11/2005	2/3/2005	
Analyte	Units	C05100641-010	C05070910-009	C05040663-008	C05010491-010	
Bicarbonate as HCO ₃	mg/L	3	4	6	5	
Calcium	mg/L	496	500	528	505	
Chloride	mg/L	21	18	19	19	
Magnesium	mg/L	530	505	532	518	
Nitrogen, Ammonia as N	mg/L	0.93	1.00	1.11	0.98	
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Potassium	mg/L	10.9	10.5	11.1	10.7	
Sodium	mg/L	100	104	107	98.3	
Sulfate	mg/L	3610	3450	3690	3430	
pH	s.u.	5.10	4.82	4.87	4.99	
Solids, Total Dissolved TDS @ 180 C	mg/L	5270	5360	5160	5410	
Aluminum	mg/L	0.8	0.7	0.9	0.9	
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	0.44	0.42	0.41	0.42	
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	
Manganese	mg/L	7.25	7.03	7.51	6.94	
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Nickel	mg/L	0.39	0.40	0.38	0.39	
Uranium	mg/L	0.0291	0.0319	0.0320	0.0338	
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Arsenic-III	mg/L	0.03	0.04	0.02	0.03	
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	
Gross Alpha minus Rn & U	pCi/L	9.3	11.3	8.9	14.6	
Gross Alpha minus Rn & U Precision (±)	pCi/L	2.0	2.1	1.3	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	9.6	6.7	10.6	3.9	
Radium 226 precision (±)	pCi/L	1.1	0.8	1.1	0.8	
Radium 228	pCi/L	17.0	12.2	12.1	12.7	
Radium 228 precision (±)	pCi/L	1.6	1.2	1.3	1.8	
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)		1.77	2.69	1.91	3.59	
Anions		75.7	72.5	77.5	72.1	
Cations		78.5	76.5	80.5	77.4	
Solids, Total Dissolved Calculated		4780	4600	4900	4590	
TDS Balance (0.80 - 1.20)		1.10	1.17	1.05	1.18	
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-4th2005_final.xls

LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C05070910-009
Client Sample ID: 711-Duplicate

Report Date: 08/26/05
Collection Date: 07/19/05 10:04
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	4	mg/L		1		A2320 B	07/26/05 20:24 / sl
Calcium	500	mg/L	D	0.6		E200.7	08/01/05 16:17 / ts
Chloride	18	mg/L		1		E200.7	08/01/05 16:14 / ts
Magnesium	505	mg/L	D	0.5		E200.7	08/01/05 16:17 / ts
Nitrogen, Ammonia as N	1.00	mg/L		0.05		A4500-NH3 G	07/28/05 13:34 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/27/05 08:48 / jal
Potassium	10.5	mg/L		0.5		E200.7	08/01/05 16:14 / ts
Sodium	104	mg/L		0.5		E200.7	08/01/05 16:14 / ts
Sulfate	3450	mg/L	D	8		E200.7	08/01/05 16:17 / ts
PHYSICAL PROPERTIES							
pH	4.82	s.u.		0.01		A4500-H B	07/25/05 13:32 / th
Solids, Total Dissolved TDS @ 180 C	5360	mg/L		10		A2540 C	07/25/05 12:33 / th
METALS - TOTAL							
Aluminum	0.7	mg/L		0.1		E200.8	08/03/05 08:22 / bws
Beryllium	ND	mg/L		0.01		E200.8	08/03/05 08:22 / bws
Cadmium	ND	mg/L		0.005		E200.8	08/03/05 08:22 / bws
Cobalt	0.42	mg/L		0.01		E200.7	08/01/05 16:14 / ts
Lead	ND	mg/L		0.05		E200.8	08/03/05 08:22 / bws
Manganese	7.03	mg/L		0.01		E200.7	08/01/05 16:14 / ts
Molybdenum	ND	mg/L		0.1		E200.7	08/01/05 16:14 / ts
Nickel	0.40	mg/L		0.05		E200.8	08/03/05 08:22 / bws
Uranium	0.0319	mg/L		0.0003		E200.8	08/03/05 08:22 / bws
Vanadium	ND	mg/L		0.1		E200.7	08/01/05 16:14 / ts
METALS - SPECIATED							
Arsenic-III	0.04	mg/L		0.001		A3114 B	07/25/05 10:40 / sml
Selenium-IV	ND	mg/L		0.001		A3114 B	07/25/05 15:27 / sml
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	11.3	pCi/L		1.0		E900.1	07/28/05 15:25 / rs
Gross Alpha minus Rn & U Precision (±)	2.1	pCi/L				E900.1	07/28/05 15:25 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	07/29/05 12:57 / ph
Radium 226	6.7	pCi/L		0.2		E903.0	07/25/05 14:05 / df
Radium 226 precision (±)	0.8	pCi/L				E903.0	07/25/05 14:05 / df
Radium 228	12.2	pCi/L		1.0		E904.0	07/25/05 14:05 / pj
Radium 228 precision (±)	1.2	pCi/L				E904.0	07/25/05 14:05 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	08/17/05 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: Zone 3
Lab ID: C05070910-009
Client Sample ID: 711-Duplicate

Report Date: 08/26/05
Collection Date: 07/19/05 10:04
Date Received: 07/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	2.69	%				Calculation	08/09/05 10:37 / dab
Anions	72.5	meq/L				Calculation	08/09/05 10:37 / dab
Cations	76.5	meq/L				Calculation	08/09/05 10:37 / dab
Solids, Total Dissolved Calculated	4600	mg/L				Calculation	08/09/05 10:37 / dab
TDS Balance (0.80 - 1.20)	1.17	dec. %				Calculation	08/09/05 10:37 / dab
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	07/26/05 18:19 / rh
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	E624	07/26/05 18:19 / rh
Surr: Dibromofluoromethane	99.2	%REC			70-130	E624	07/26/05 18:19 / rh
Surr: p-Bromofluorobenzene	87.6	%REC			75-125	E624	07/26/05 18:19 / rh
Surr: Toluene-d8	101	%REC			80-120	E624	07/26/05 18:19 / 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: C05100641-010
Client Sample ID: 711 Duplicate

Report Date: 11/04/05
Collection Date: 10/11/05 10:22
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Bicarbonate as HCO3	3	mg/L		1		A2320 B	10/17/05 15:52 / th
Calcium	496	mg/L	D	0.6		E200.7	10/19/05 17:17 / ts
Chloride	21	mg/L		1		E200.7	10/19/05 15:47 / ts
Magnesium	530	mg/L	D	0.5		E200.7	10/19/05 17:17 / ts
Nitrogen, Ammonia as N	0.93	mg/L		0.05		A4500-NH3 G	10/18/05 11:34 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/17/05 11:25 / jal
Potassium	10.9	mg/L		0.5		E200.7	10/19/05 15:47 / ts
Sodium	100	mg/L		0.5		E200.7	10/19/05 15:47 / ts
Sulfate	3610	mg/L	D	8		E200.7	10/19/05 17:17 / ts
PHYSICAL PROPERTIES							
pH	5.10	s.u.		0.01		A4500-H B	10/17/05 13:38 / jc
Solids, Total Dissolved TDS @ 180 C	5270	mg/L		10		A2540 C	10/17/05 13:40 / jc
METALS - TOTAL							
Aluminum	0.8	mg/L		0.1		E200.7	10/19/05 15:47 / ts
Beryllium	ND	mg/L		0.01		E200.8	10/20/05 19:34 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/20/05 19:34 / sml
Cobalt	0.44	mg/L		0.01		E200.8	10/20/05 19:34 / sml
Lead	ND	mg/L		0.05		E200.8	10/20/05 19:34 / sml
Manganese	7.25	mg/L		0.01		E200.7	10/19/05 15:47 / ts
Molybdenum	ND	mg/L		0.1		E200.7	10/19/05 15:47 / ts
Nickel	0.39	mg/L		0.05		E200.8	10/20/05 19:34 / sml
Uranium	0.0291	mg/L		0.0003		E200.8	10/20/05 19:34 / sml
Vanadium	ND	mg/L		0.1		E200.7	10/19/05 15:47 / ts
METALS - SPECIATED							
Arsenic-III	0.03	mg/L		0.001		A3114 B	10/20/05 14:58 / sl
Selenium-IV	ND	mg/L		0.001		A3114 B	10/20/05 12:05 / sl
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	9.3	pCi/L		1.0		E900.1	10/20/05 16:55 / rs
Gross Alpha minus Rn & U Precision (±)	2.0	pCi/L				E900.1	10/20/05 16:55 / rs
Lead 210	ND	pCi/L		1.0		NERHL-65-4	10/25/05 10:30 / ph
Radium 226	9.6	pCi/L		0.2		E903.0	10/17/05 15:15 / df
Radium 226 precision (±)	1.1	pCi/L				E903.0	10/17/05 15:15 / df
Radium 228	17.0	pCi/L		1.0		RA-05	10/17/05 15:15 / pj
Radium 228 precision (±)	1.6	pCi/L				RA-05	10/17/05 15:15 / pj
Thorium 230	ND	pCi/L		0.2		E907.0	10/25/05 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: Zone 3
Lab ID: C05100641-010
Client Sample ID: 711 Duplicate

Report Date: 11/04/05
Collection Date: 10/11/05 10:22
Date Received: 10/14/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	1.77	%				Calculation	10/21/05 17:03 / smd
Anions	75.7	meq/L				Calculation	10/21/05 17:03 / smd
Cations	78.5	meq/L				Calculation	10/21/05 17:03 / smd
Solids, Total Dissolved Calculated	4780	mg/L				Calculation	10/21/05 17:03 / smd
TDS Balance (0.80 - 1.20)	1.10	dec. %				Calculation	10/21/05 17:03 / smd
VOLATILE ORGANIC COMPOUNDS							
Chloroform	ND	ug/L		1.0		E624	10/20/05 00:28 / rh
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	E624	10/20/05 00:28 / rh
Surr: Dibromofluoromethane	104	%REC			70-130	E624	10/20/05 00:28 / rh
Surr: p-Bromofluorobenzene	90.4	%REC			75-125	E624	10/20/05 00:28 / rh
Surr: Toluene-d8	104	%REC			80-120	E624	10/20/05 00:28 / rh

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-6-7-2005 (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		
509-D	7-11-05	0915		✓	✓	✓	✓			As, Be, Ca, Cd, Cl, HCO ₃ ,
EPA-23		0950								K, Mg, Mn, Na, NH ₃ , Ni,
803		1020								NO ₃ , Pb, Pb-210, pH, Se,
808		1055								SO ₄ , TDS, Th-230, U, V,
802		1125								Chloroform, Gross
801		1325							Rec 1 Br Zn	Alpha (-) U & Rn,
GW-2		1400							VOA	Combined Ra-226 & Ra-228, Al,
GW-1		1435								Co, Mo
632	Y	1507						N A		
SBL-1	7-12-05	0855								
624		0936								
624 DUPLICATE		1000								
EPA-28		1034								
GW-3		1123								
EPA-25	Y	1315		Y	Y	Y	Y			

Sampled by: L. J. R. R. R.

Received by: Max Chubbly J.

Dispatched by: Max Chubbly J.

Date: 7-13-05 Time: 1422

Carrier: UPS

5 ICED COOLER
Method of Shipment

7-11-05 @ 1200 E 1530
7-12-05 @ 1200 E 1550
Date Time
Lab Receipt Signature
7-15-05 10:00
Date Time

The above analysis to be performed is authorized by:

Max Chubbly J.
Signature
7-13-05
Date

UPS-5
16° Ice

CHAIN OF CUSTODY

16° Ice



Energy Laboratories Inc.

Sample Receipt Checklist

Client Name **United Nuclear Corporation**

Date and Time Received: **7/15/2005 10:00:00**

Work Order Number **C05070603**

Received by **rl1**

Checklist completed by: *RM Lippin*
Signature

7-15-05
Date

Reviewed by

Initials

Date

Carrier name Ground

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	16.0 °C On Ice
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

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: 12-Aug-05

CLIENT: United Nuclear Corp
Project: Alluvium
Sample Delivery Group: C05070603

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: 7/15/2005 10:00:00

Work Order Number C05070605

Received by rl1

Checklist completed by:

Connie Wagner 7/15/05
Signature Date

Reviewed by

Initials Date

Carrier name: Ground

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	16 °C On Ice
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

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: 12-Aug-05

CLIENT: United Nuclear Corp
Project: Zone 1
Sample Delivery Group: C05070605

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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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.

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



Sample Receipt Checklist

Client Name United Nuclear Corporation

Date and Time Received: 7/15/2005 10:00:00

Work Order Number C05070604

Received by r11

Checklist completed by: [Signature] 7/15/05
Signature Date

Reviewed by _____
Initials Date

Carrier name Ground

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	16.0 °C On Ice
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

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:

Received 1) VOA vial for sample 613 broken, sufficient sample remaining for analysis.

Corrective Action _____



Date: 09-Aug-05

CLIENT: United Nuclear Corp
Project: Zone 3
Sample Delivery Group: C05070604

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

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.

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- 7-7-2005 (PG. 1 OF 2)

Sample Description	Date	Time	Filter	PRESERVATION				NaOH	Preserved By	Analysis Required (For all samples listed)
			0.45u	plain	HNO ₃	H ₂ SO ₄	Na ₂ S ₂ O ₃			
TWQ-142	7-18-05	0854		✓ HB	✓ H	✓ H	✓ HB		Reed IVOR	As, Be, Ca, Cd, Cl, HCO ₃ ,
NBL-1		0935								K, Mg, Mn, Na, NH ₃ , Ni,
504-B		1115								NO ₃ , Pb, Pb-210, pH, Se,
719		1337								SO ₄ , TDS, Th-230, U, V,
420		1407								Chloroform, Gross
717		1441								Alpha (-) U & Rn,
EPA-14	✓	1514								Combined Ra-226 & Ra-228, Al,
EPA-13	7-19-05	0900								Co, Mo
711		0943							N A	
Q11 DUPLICATE		1004								
EPA-2		1045								
EPA-2 DUPLICATE		1104								
708		1135								
EPA-7		1335								
EPA-5	✓	1404		✓	✓	✓	✓			

Sampled by: John H. Boyer

Dispatched by: Max Chaschly

Carrier: UPS

4 ICED COOLER
Method of Shipment

Received by: Max Chaschly

7-20-05 1341
Date Time

7-18-05 @ 1200 & 1540
7-19-05 @ 1210 & 1540
Date Time

Indy Lott
Lab Receipt Signature

7-22-05 10:00
Date Time

The above analysis to be performed is
authorized by:

[Signature]
Signature

7-20-2005
Date

C05070909

20-10

CHAIN OF CUSTODY

UNC Submittal No. TE- 7-7- 2005 (PG. 2 OF 2)

Date 7-20-2005



Energy Laboratories Inc.

Sample Receipt Checklist

Client Name United Nuclear Corporation

Date and Time Received: 7/22/2005 10:00:00

Work Order Number C05070909

Received by r11

Checklist completed by:

Cornell Wagner 7/22/05

Reviewed by

Signature

Date

Initials

Date

Carrier name: Ground

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	25.6 °C
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

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: 25-Aug-05

CLIENT: United Nuclear Corp
Project: Zone 1
Sample Delivery Group: C05070909

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: 7/22/2005 10:00:00

Work Order Number C05070910

Received by rl1

Checklist completed by:

[Signature] 7/22/05
Signature Date

Reviewed by

Initials Date

Carrier name Ground

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	25.6 °C
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

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: 26-Aug-05

CLIENT: United Nuclear Corp
Project: Zone 3
Sample Delivery Group: C05070910

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

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.

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

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-8-10-2005 (PG. 1 OF 2)

Sample Description	Date	Time	Filter	PRESERVATION			H ₂ SO ₄	Na ₂ S ₂ O ₃	NaOH	Preserved By	Analysis Required (For all samples listed)
			0.45u	plain	HNO ₃						
509-D	10-3-05	0955		✓	✓		✓	✓			As, Be, Ca, Cd, Cl, HCO ₃ ,
EPA-23		1025									K, Mg, Mn, Na, NH ₃ , Ni,
803		1120									NO ₃ , Pb, Pb-210, pH, Se,
808		1155									SO ₄ , TDS, Th-230, U, V,
802		1400									Chloroform, Gross
801		1435									Alpha (-) U & Rn,
GW-2	✓	1514									Combined Ra-226 & Ra-228, Al,
SBL-1	10-4-05	0915									Co, Mo
624		0955							N A		
624 DUPLICATE		1020									
EPA-28		1055									
GW-1		1130									
632		1203									
GW-3		1335									
EPA-25	✓	1420		✓	✓		✓	✓			

Sampled by: Lance A. Boyer

Dispatched by: Max Chisler

Carrier: UPS

5 ICED COOLER
Method of Shipment

Received by: Lance A. Boyer

10-5-05 1442
Date Time

10-3-05 @ 1230 & 1545
10-4-05 @ 1240 & 1545
Date Time

C. TRIPK
Lab Receipt Signature

10/4/05 9:00
Date Time

The above analysis to be performed is
authorized by:

[Signature]
Signature

10-5-2005
Date

C05100333

90c ICE

CHAIN OF CUSTODY

05100333



Energy Laboratories Inc.

Sample Receipt Checklist

Client Name United Nuclear Corporation

Date and Time Received: 10/7/2005 9:00:00

Work Order Number C05100333

Received by em

Checklist completed by:

Corinne Wagner 10/7/05

Reviewed by

Signature

Date

Initials

Date

Carrier name: Ground

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

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: 01-Nov-05

CLIENT: United Nuclear Corp
Project: Alluvium
Sample Delivery Group: C05100333

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
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eli-h - Energy Laboratories, Inc. - Helena, MT
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SUBCONTRACTING ANALYSIS

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

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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.

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Energy Laboratories Inc.

Sample Receipt Checklist

Client Name United Nuclear Corporation

Date and Time Received: 10/7/2005 09:00:00

Work Order Number C05100332

Received by em

Checklist completed by:

J. Blat 10/7/05

Signature

Date

Reviewed by

Initials

Date

Carrier name Ground

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	9.0 °C On Ice
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

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-Oct-05

CLIENT: United Nuclear Corp
Project: Zone 1
Sample Delivery Group: C05100332

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
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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

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.

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Energy Laboratories Inc.

Sample Receipt Checklist

Client Name United Nuclear Corporation

Date and Time Received: 10/7/2005 09:00:00

Work Order Number C05100338

Received by em

Checklist completed by:

JS 10/8/05

Signature

Date

Reviewed by

Initials

Date

Carrier name Ground

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	9.0 °C On Ice
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

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-Nov-05

CLIENT: United Nuclear Corp
Project: Zone 3
Sample Delivery Group: C05100338

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
eli-t - Energy Laboratories, Inc. - College Station, TX

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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- 9-10-2005 (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		
TWQ-142	10-10-05	0900		✓	✓	✓	✓			As, Be, Ca, Cd, Cl, HCO ₃ ,
NBL-1		0930								K, Mg, Mn, Na, NH ₃ , Ni,
504-B		1043								NO ₃ , Pb, Pb-210, pH, Se,
719		1115								SO ₄ , TDS, Th-230, U, V,
420		1330								Chloroform, Gross
717		1403								Alpha (-) U & Rn,
EPA-14		1433								Combined Ra-226 & Ra-228, Al,
517	✓	1505								Co, Mo
EPA-13	10-11-05	0915						N A		
711		0957								
711 DUPLICATE		1022								
708		1040								
EPA-2		1115								
EPA-2 DUPLICATE		1143								
EPA-4	✓	1347		✓	✓	✓	✓			5100643

Sampled by: Lisa A. Borat Received by: Max Chisally, Jr.

Dispatched by: Max Chisally, Jr. 10-12-05 1400
Date Time

Carrier: UPS

4 ICED COOLER
Method of Shipment

10-10-05 @ 1200 & 1530
10-11-05 @ 1200 & 1600
Date Time

Lisa A. Borat
Lab Receipt Signature

10/14/05 1000
Date Time

The above analysis to be performed is
authorized by:

Max Chisally, Jr.
Signature

10-12-05
Date

22 Inc
ground

CHAIN OF CUSTODY

10-12-05
Date



Energy Laboratories Inc.

Sample Receipt Checklist

Client Name United Nuclear Corporation

Date and Time Received: 10/14/2005 10:00:00

Work Order Number C05100643

Received by las

Checklist completed by:

Signature

Date

Reviewed by

Initials

Date

Carrier name Ground

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
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Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	2.2 °C On Ice
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

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: 04-Nov-05

CLIENT: United Nuclear Corp

Project: Zone 1

Sample Delivery Group: C05100643

CASE NARRATIVE

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Energy Laboratories Inc.

Sample Receipt Checklist

Client Name United Nuclear Corporation

Date and Time Received: 10/14/2005 10:10:00

Work Order Number C05100641

Received by las

Checklist completed by:

Signature

Date

Reviewed by

Initials

Date

Carrier name Ground

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
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Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	2.2 °C On Ice
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

Adjusted? _____ Checked by _____

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Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments:

Corrective Action _____

Date: 04-Nov-05

CLIENT: United Nuclear Corp
Project: Zone 3
Sample Delivery Group: C05100641

CASE NARRATIVE**THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT****BRANCH LABORATORY LOCATIONS**

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APPENDIX - D (1 OF 2)

THIRD QUARTER

LABORATORY QUALITY CONTROL AND

PERFORMANCE REPORT



ANALYTICAL SUMMARY REPORT

August 12, 2005

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

Workorder No.: C05070603

Quote ID: C129 - Quarterly Long List

Project Name: Alluvium

Energy Laboratories Inc. received the following 16 samples from United Nuclear Corp on 7/15/2005 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C05070603-001	509-D	07/11/05 9:15	07/15/05	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
C05070603-002	EPA-23	07/11/05 9:50	07/15/05	Aqueous	Same As Above
C05070603-003	803	07/11/05 10:20	07/15/05	Aqueous	Same As Above
C05070603-004	808	07/11/05 10:55	07/15/05	Aqueous	Same As Above
C05070603-005	802	07/11/05 11:25	07/15/05	Aqueous	Same As Above
C05070603-006	801	07/11/05 13:25	07/15/05	Aqueous	Same As Above
C05070603-007	GW-2	07/11/05 14:00	07/15/05	Aqueous	Same As Above
C05070603-008	GW-1	07/11/05 14:35	07/15/05	Aqueous	Same As Above
C05070603-009	632	07/11/05 15:07	07/15/05	Aqueous	Same As Above
C05070603-010	SBL-1	07/12/05 8:55	07/15/05	Aqueous	Same As Above
C05070603-011	624	07/12/05 9:36	07/15/05	Aqueous	Same As Above
C05070603-012	624 Duplicate	07/12/05 10:00	07/15/05	Aqueous	Same As Above
C05070603-013	EPA-28	07/12/05 10:34	07/15/05	Aqueous	Same As Above
C05070603-014	GW-3	07/12/05 11:23	07/15/05	Aqueous	Same As Above
C05070603-015	EPA-25	07/12/05 13:15	07/15/05	Aqueous	Same As Above
C05070603-016	627	07/12/05 14:00	07/15/05	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:


P.A. Lasky
FOODER GASLUNG
LABORATORY SUPERVISOR



QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 08/12/05

Work Order: C05070603

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B							Batch: 050720_3_ALK-W		
Sample ID: MBLK1_050720_3	Method Blank								07/20/05 16:14
Bicarbonate as HCO ₃	ND	mg/L	1						
Sample ID: MBLK2_050720_3	Method Blank								07/20/05 19:36
Bicarbonate as HCO ₃	ND	mg/L	1						
Method: A2320 B							Batch: 050721_1_ALK-W		
Sample ID: MBLK1_050721_1	Method Blank								07/21/05 08:51
Bicarbonate as HCO ₃	ND	mg/L	1						
Sample ID: MBLK2_050721_1	Method Blank								07/21/05 12:42
Bicarbonate as HCO ₃	ND	mg/L	1						
Method: A2320 B							Batch: 050721_2_ALK-W		
Sample ID: MBLK1_050721_2	Method Blank								07/21/05 15:57
Bicarbonate as HCO ₃	ND	mg/L	1						
Sample ID: MBLK2_050721_2	Method Blank								07/21/05 19:06
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: 08/12/05

Work Order: C05070603

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C			Batch: 050718A-SLDS-TDS-W						
Sample ID: LCS1_050718A	Laboratory Control Spike								07/18/05 09:07
Solids, Total Dissolved TDS @ 180 C	948	mg/L	10	94.8	90	110			
Sample ID: MBLK1_050718A	Method Blank								07/19/05 09:39
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05070528-006AMS	Matrix Spike								07/18/05 09:10
Solids, Total Dissolved TDS @ 180 C	4100	mg/L	10	96.7	90	110			
Sample ID: C05070528-006AMSD	Matrix Spike Duplicate								07/18/05 09:10
Solids, Total Dissolved TDS @ 180 C	4130	mg/L	10	97.6	90	110	0.8	10	
Sample ID: C05070545-003ADUP	Sample Duplicate								07/18/05 09:14
Solids, Total Dissolved TDS @ 180 C	35100	mg/L	10				1.1	10	
Sample ID: C05070545-003AMS	Matrix Spike								07/18/05 09:14
Solids, Total Dissolved TDS @ 180 C	59500	mg/L	10	96.1	90	110			
Sample ID: C05070545-003AMSD	Matrix Spike Duplicate								07/18/05 09:14
Solids, Total Dissolved TDS @ 180 C	60400	mg/L	10	99.4	90	110	1.4	10	
Sample ID: LCS2_050718A	Laboratory Control Spike								07/18/05 09:15
Solids, Total Dissolved TDS @ 180 C	992	mg/L	10	99.2	90	110			
Sample ID: MBLK2_050718A	Method Blank								07/19/05 09:39
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05070560-004DMS	Matrix Spike								07/18/05 10:22
Solids, Total Dissolved TDS @ 180 C	4520	mg/L	10	97.2	90	110			
Sample ID: C05070560-004DMSD	Matrix Spike Duplicate								07/18/05 10:22
Solids, Total Dissolved TDS @ 180 C	4510	mg/L	10	96.8	90	110	0.4	10	
Sample ID: C05070571-002ADUP	Sample Duplicate								07/18/05 10:27
Solids, Total Dissolved TDS @ 180 C	336	mg/L	10				3.6	10	
Sample ID: C05070571-002AMS	Matrix Spike								07/18/05 10:27
Solids, Total Dissolved TDS @ 180 C	4230	mg/L	10	97.7	90	110			
Sample ID: C05070571-002AMSD	Matrix Spike Duplicate								07/18/05 10:27
Solids, Total Dissolved TDS @ 180 C	4280	mg/L	10	99	90	110	1.2	10	
Sample ID: LCS3_050718A	Laboratory Control Spike								07/18/05 10:28
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: Alluvium

Report Date: 08/12/05

Work Order: C05070603

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C			Batch: 050718A-SLDS-TDS-W						
Sample ID: MBLK3_050718A	Method Blank								07/18/05 10:28
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05070581-004AMS	Matrix Spike								07/18/05 11:46
Solids, Total Dissolved TDS @ 180 C	4140	mg/L	10	98	90	110			
Sample ID: C05070581-004AMSD	Matrix Spike Duplicate								07/18/05 11:46
Solids, Total Dissolved TDS @ 180 C	4130	mg/L	10	97.7	90	110	0.3	10	
Sample ID: C05070588-004ADUP	Sample Duplicate								07/18/05 11:50
Solids, Total Dissolved TDS @ 180 C	391	mg/L	10				1.1	10	
Sample ID: C05070588-004AMSD	Matrix Spike Duplicate								07/18/05 11:50
Solids, Total Dissolved TDS @ 180 C	4560	mg/L	10	96	90	110	9.6	10	
Sample ID: LCS4_050718A	Laboratory Control Spike								07/18/05 11:51
Solids, Total Dissolved TDS @ 180 C	1020	mg/L	10	102	90	110			
Sample ID: MBLK4_050718A	Method Blank								07/19/05 09:40
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05070589-008AMS	Matrix Spike								07/18/05 13:06
Solids, Total Dissolved TDS @ 180 C	16700	mg/L	10	97.7	90	110			
Sample ID: C05070589-008AMSD	Matrix Spike Duplicate								07/18/05 13:06
Solids, Total Dissolved TDS @ 180 C	16800	mg/L	10	98.1	90	110	0.2	10	
Sample ID: C05070603-005BDUP	Sample Duplicate								07/18/05 13:11
Solids, Total Dissolved TDS @ 180 C	8200	mg/L	10				0.1	10	
Sample ID: LCS5_050718A	Laboratory Control Spike								07/18/05 13:11
Solids, Total Dissolved TDS @ 180 C	1040	mg/L	10	104	90	110			
Sample ID: MBLK5_050718A	Method Blank								07/18/05 13:12
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05070603-015BMS	Matrix Spike								07/18/05 16:01
Solids, Total Dissolved TDS @ 180 C	8000	mg/L	10	98.4	90	110			
Sample ID: C05070603-015BMDS	Matrix Spike Duplicate								07/18/05 16:01
Solids, Total Dissolved TDS @ 180 C	7980	mg/L	10	98	90	110	0.2	10	
Sample ID: C05070605-004BDUP	Sample Duplicate								07/18/05 16:05
Solids, Total Dissolved TDS @ 180 C	16.0	mg/L	10				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: 08/12/05

Work Order: C05070603

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C							Batch: 050718A-SLDS-TDS-W		
Sample ID: C05070605-004BMS	Matrix Spike								07/18/05 16:07
Solids, Total Dissolved TDS @ 180 C	4900	mg/L	10	97.7	90	110			
Sample ID: C05070605-004BMSD	Matrix Spike Duplicate								07/18/05 16:10
Solids, Total Dissolved TDS @ 180 C	4870	mg/L	10	97.2	90	110	0.5	10	
Sample ID: LCS6_050718A	Laboratory Control Spike								07/18/05 16:30
Solids, Total Dissolved TDS @ 180 C	1010	mg/L	10	101	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: 08/12/05

Work Order: C05070603

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: AS3114-050718b		
Sample ID: MBLK	Method Blank								07/18/05 13:22
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05070603-001AMS	Matrix Spike								07/18/05 13:43
Arsenic-III	0.0424	mg/L	0.0010	106	85	115			
Sample ID: C05070603-001AMSD	Matrix Spike Duplicate								07/18/05 13:45
Arsenic-III	0.0424	mg/L	0.0010	106	85	115	0	10	
Sample ID: C265-67-5	Laboratory Control Spike								07/18/05 13:47
Arsenic-III	0.0522	mg/L	0.0010	104	90	110			
Sample ID: MBLK	Method Blank								07/18/05 13:53
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05070603-011AMS	Matrix Spike								07/18/05 14:15
Arsenic-III	0.0428	mg/L	0.0010	107	85	115			
Sample ID: C05070603-011AMSD	Matrix Spike Duplicate								07/18/05 14:17
Arsenic-III	0.0415	mg/L	0.0010	104	85	115	3.0	10	
Sample ID: C265-67-5	Laboratory Control Spike								07/18/05 14:18
Arsenic-III	0.0503	mg/L	0.0010	101	90	110			
Sample ID: MBLK	Method Blank								07/18/05 14:24
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05070605-003AMS	Matrix Spike								07/18/05 14:30
Arsenic-III	0.0447	mg/L	0.0010	112	85	115			
Sample ID: C05070605-003AMSD	Matrix Spike Duplicate								07/18/05 14:32
Arsenic-III	0.0441	mg/L	0.0010	110	85	115	1.5	10	
Sample ID: C265-67-5	Laboratory Control Spike								07/18/05 14:34
Arsenic-III	0.0521	mg/L	0.0010	104	90	110			
Sample ID: MBLK	Method Blank								07/18/05 14:38
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: 08/12/05

Work Order: C05070603

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: SEIV3114-050719		
Sample ID: MBLK Selenium-IV	Method Blank ND	mg/L	0.0002						07/19/05 09:23
Sample ID: C05070603-001AMS Selenium-IV	Matrix Spike 0.0469	mg/L	0.0010	93.9	85	115			07/19/05 09:48
Sample ID: C05070603-001AMSD Selenium-IV	Matrix Spike Duplicate 0.0469	mg/L	0.0010	93.8	85	115	0	10	07/19/05 09:50
Sample ID: C265-67-5 Selenium-IV	Laboratory Control Spike 0.0566	mg/L	0.0010	94.4	90	110			07/19/05 09:52
Sample ID: MBLK Selenium-IV	Method Blank ND	mg/L	0.0002						07/19/05 09:58
Sample ID: C05070603-011AMS Selenium-IV	Matrix Spike 0.0462	mg/L	0.0010	92.3	85	115			07/19/05 10:23
Sample ID: C05070603-011AMSD Selenium-IV	Matrix Spike Duplicate 0.0455	mg/L	0.0010	91.1	85	115	1.4	10	07/19/05 10:25
Sample ID: C265-67-5 Selenium-IV	Laboratory Control Spike 0.0559	mg/L	0.0010	93.1	90	110			07/19/05 10:27
Sample ID: MBLK Selenium-IV	Method Blank ND	mg/L	0.0002						07/19/05 10:33
Sample ID: C05070605-003AMS Selenium-IV	Matrix Spike 0.0476	mg/L	0.0010	95.3	85	115			07/19/05 10:40
Sample ID: C05070605-003AMSD Selenium-IV	Matrix Spike Duplicate 0.0486	mg/L	0.0010	97.3	85	115	2.1	10	07/19/05 10:42
Sample ID: C265-67-5 Selenium-IV	Laboratory Control Spike 0.0550	mg/L	0.0010	91.7	90	110			07/19/05 10:44
Sample ID: MBLK Selenium-IV	Method Blank ND	mg/L	0.0002						07/19/05 10:48

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 08/12/05

Work Order: C05070603

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B							Batch: PHSC050718A		
Sample ID: High Purity Water	Method Blank								07/18/05 08:36
pH	7	s.u.		0.01					
Sample ID: C05070528-004ADUP	Sample Duplicate								07/18/05 09:26
pH	8.13	s.u.		0.010			0.1	10	
Sample ID: C05070569-002ADUP	Sample Duplicate								07/18/05 10:20
pH	7.86	s.u.		0.010			0	10	
Sample ID: C05070571-007ADUP	Sample Duplicate								07/18/05 10:43
pH	8.57	s.u.		0.010			0	10	
Sample ID: C05070588-005ADUP	Sample Duplicate								07/18/05 11:42
pH	7.86	s.u.		0.010			0	10	
Sample ID: C05070603-009BDUP	Sample Duplicate								07/18/05 12:14
pH	7.25	s.u.		0.010			0	10	
Sample ID: C05070605-001BDUP	Sample Duplicate								07/18/05 12:51
pH	7.29	s.u.		0.010			0.1	10	
Sample ID: C05070605-004BDUP	Sample Duplicate								07/18/05 13:06
pH	6.98	s.u.		0.010			0.6	10	

Qualifiers:

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ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 08/12/05
Work Order: C05070603

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G			Batch: A2005-07-21_1_NH3_01						
Sample ID: MBLK-1	Method Blank								07/21/05 08:33
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05070603-005DMS	Matrix Spike								07/21/05 08:47
Nitrogen, Ammonia as N	2.21	mg/L	0.050	106	80	120			
Sample ID: C05070603-005DMSD	Matrix Spike Duplicate								07/21/05 08:49
Nitrogen, Ammonia as N	2.16	mg/L	0.050	104	80	120	2.3	20	
Sample ID: MBLK-17	Method Blank								07/21/05 09:05
Nitrogen, Ammonia as N	0.08	mg/L	0.02						
Sample ID: C05070603-015DMS	Matrix Spike								07/21/05 09:17
Nitrogen, Ammonia as N	2.26	mg/L	0.050	106	80	120			
Sample ID: C05070603-015DMSD	Matrix Spike Duplicate								07/21/05 09:19
Nitrogen, Ammonia as N	2.26	mg/L	0.050	106	80	120	0	20	
Sample ID: MBLK-32	Method Blank								07/21/05 09:35
Nitrogen, Ammonia as N	0.03	mg/L	0.02						
Sample ID: C05070735-003CMS	Matrix Spike								07/21/05 09:49
Nitrogen, Ammonia as N	1.91	mg/L	0.050	95.5	80	120			
Sample ID: C05070735-003CMSD	Matrix Spike Duplicate								07/21/05 09:51
Nitrogen, Ammonia as N	1.84	mg/L	0.050	92	80	120	3.7	20	
Sample ID: MBLK-48	Method Blank								07/21/05 10:06
Nitrogen, Ammonia as N	0.04	mg/L	0.02						
Sample ID: C05070644-007DMS	Matrix Spike								07/21/05 10:19
Nitrogen, Ammonia as N	1.64	mg/L	0.050	82	80	120			
Sample ID: C05070644-007DMSD	Matrix Spike Duplicate								07/21/05 10:21
Nitrogen, Ammonia as N	1.62	mg/L	0.050	81	80	120	1.2	20	
Sample ID: MBLK-63	Method Blank								07/21/05 10:37
Nitrogen, Ammonia as N	0.03	mg/L	0.02						
Sample ID: C05070569-001BMS	Matrix Spike								07/21/05 10:50
Nitrogen, Ammonia as N	5.12	mg/L	0.050	112	80	120			
Sample ID: C05070569-001BMSD	Matrix Spike Duplicate								07/21/05 10:52
Nitrogen, Ammonia as N	5.10	mg/L	0.050	111	80	120	0.4	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: 08/12/05

Work Order: C05070603

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G							Batch: A2005-07-21_1_NH3_01		
Sample ID: MBLK-79	Method Blank								07/21/05 11:09
Nitrogen, Ammonia as N	0.03	mg/L	0.02						
Sample ID: C05070803-001DMS	Matrix Spike								07/21/05 11:27
Nitrogen, Ammonia as N	1.85	mg/L	0.050	91.5	80	120			
Sample ID: C05070803-001DMSD	Matrix Spike Duplicate								07/21/05 11:29
Nitrogen, Ammonia as N	1.98	mg/L	0.050	98	80	120	6.8	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: 08/12/05

Work Order: C05070603

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R53041
Sample ID: LFB-010305D-01	Laboratory Fortified Blank								07/21/05 10:41
Calcium	51.4	mg/L	0.50	103	85	125			
Magnesium	51.6	mg/L	0.50	103	85	125			
Potassium	49.8	mg/L	0.50	99.5	85	125			
Sodium	52.3	mg/L	0.50	105	85	125			
Sample ID: C05070603-010AMS1	Matrix Spike								07/21/05 12:24
Calcium	961	mg/L	0.57	99	70	130			
Magnesium	1350	mg/L	0.53	91.2	70	130			
Potassium	478	mg/L	0.52	95.1	70	130			
Sodium	879	mg/L	0.62	95.4	70	130			
Sample ID: C05070603-010AMS3	Matrix Spike								07/21/05 12:30
Chloride	1030	mg/L	1.0	103	70	130			
Sample ID: C05070603-010AMSD1	Matrix Spike Duplicate								07/21/05 12:33
Calcium	988	mg/L	0.57	104	70	130	2.8	20	
Magnesium	1390	mg/L	0.53	99.2	70	130	2.9	20	
Potassium	478	mg/L	0.52	95	70	130	0.2	20	
Sodium	870	mg/L	0.62	93.6	70	130	1.0	20	
Sample ID: C05070603-010AMSD3	Matrix Spike Duplicate								07/21/05 12:40
Chloride	988	mg/L	1.0	98.8	70	130	4.1	20	
Sample ID: LFB-010305D-01	Laboratory Fortified Blank								07/21/05 13:57
Calcium	49.7	mg/L	0.50	99.4	85	125			
Magnesium	49.6	mg/L	0.50	99.2	85	125			
Potassium	48.7	mg/L	0.50	97.4	85	125			
Sodium	50.7	mg/L	0.50	101	85	125			
Sample ID: C05070761-002BMS1	Matrix Spike								07/21/05 18:00
Calcium	488	mg/L	0.57	94.6	70	130			
Magnesium	467	mg/L	0.53	92.2	70	130			
Potassium	453	mg/L	0.52	90.7	70	130			
Sodium	590	mg/L	0.62	96.4	70	130			
Sample ID: C05070761-002BMSD1	Matrix Spike Duplicate								07/21/05 18:18
Calcium	485	mg/L	0.57	94	70	130	0.6	20	
Magnesium	466	mg/L	0.53	92	70	130	0.3	20	
Potassium	451	mg/L	0.52	90.2	70	130	0.5	20	
Sodium	587	mg/L	0.62	95.8	70	130	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: 08/12/05

Work Order: C05070603

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R53158
Sample ID: C05070735-001BMS3	Matrix Spike								07/25/05 11:27
Chloride	89.0	mg/L	1.0	89	70	130			
Sample ID: C05070735-001BMDS3	Matrix Spike Duplicate								07/25/05 11:36
Chloride	92.9	mg/L	1.0	92.9	70	130	4.3	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: 08/12/05

Work Order: C05070603

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R52897		
Sample ID: LRB Method Blank							07/19/05 10:44		
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	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: LFB Laboratory Fortified Blank							07/19/05 10:51		
Aluminum	0.0510	mg/L	0.0010	102	85	115			
Beryllium	0.0518	mg/L	0.0010	104	85	115			
Cadmium	0.0534	mg/L	0.0010	107	85	115			
Cobalt	0.0530	mg/L	0.0010	106	85	115			
Lead	0.0537	mg/L	0.0010	107	85	115			
Manganese	0.0529	mg/L	0.0010	106	85	115			
Molybdenum	0.0523	mg/L	0.0010	105	85	115			
Nickel	0.0527	mg/L	0.0010	105	85	115			
Uranium	0.0535	mg/L	0.00030	107	85	115			
Vanadium	0.0529	mg/L	0.0010	106	85	115			
Sample ID: C05070634-001DMS4 Post Digestion Spike							07/19/05 12:12		
Aluminum	1.51	mg/L	0.10		70	130			A
Beryllium	0.0506	mg/L	0.010	101	70	130			
Cadmium	0.0565	mg/L	0.010	113	70	130			
Cobalt	0.0547	mg/L	0.010	109	70	130			
Lead	0.0569	mg/L	0.050	111	70	130			
Manganese	0.0567	mg/L	0.010	110	70	130			
Molybdenum	0.0536	mg/L	0.10	101	70	130			
Nickel	0.0524	mg/L	0.050	103	70	130			
Uranium	0.0583	mg/L	0.00030	111	70	130			
Vanadium	0.0561	mg/L	0.10	107	70	130			
Sample ID: C05070634-001DMSD4 Post Digestion Spike Dup							07/19/05 12:19		
Aluminum	1.42	mg/L	0.10		70	130	6.1	20	A
Beryllium	0.0493	mg/L	0.010	98.5	70	130	2.6	20	
Cadmium	0.0553	mg/L	0.010	111	70	130	2.1	20	
Cobalt	0.0546	mg/L	0.010	109	70	130	0.1	20	
Lead	0.0573	mg/L	0.050	112	70	130	0.7	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: Alluvium

Report Date: 08/12/05

Work Order: C05070603

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R52897
Sample ID: C05070634-001DMSD4 Post Digestion Spike Dup									07/19/05 12:19
Manganese	0.0569	mg/L	0.010	110	70	130	0.2	20	
Molybdenum	0.0530	mg/L	0.10	99.6	70	130	0	20	
Nickel	0.0530	mg/L	0.050	105	70	130	1.3	20	
Uranium	0.0581	mg/L	0.00030	111	70	130	0.3	20	
Vanadium	0.0559	mg/L	0.10	107	70	130	0	20	
Sample ID: C05070580-001BMS4 Post Digestion Spike									07/19/05 14:13
Aluminum	0.552	mg/L	0.10	103	70	130			
Beryllium	0.479	mg/L	0.010	95.9	70	130			
Cadmium	0.560	mg/L	0.010	112	70	130			
Cobalt	0.573	mg/L	0.010	115	70	130			
Lead	0.577	mg/L	0.050	115	70	130			
Manganese	0.618	mg/L	0.010	117	70	130			
Molybdenum	0.514	mg/L	0.10	102	70	130			
Nickel	0.518	mg/L	0.050	103	70	130			
Uranium	0.525	mg/L	0.00035	103	70	130			
Vanadium	0.566	mg/L	0.10	113	70	130			
Sample ID: C05070580-001BMSD4 Post Digestion Spike Dup									07/19/05 14:20
Aluminum	0.546	mg/L	0.10	101	70	130	1.2	20	
Beryllium	0.472	mg/L	0.010	94.5	70	130	1.4	20	
Cadmium	0.554	mg/L	0.010	111	70	130	1.1	20	
Cobalt	0.561	mg/L	0.010	112	70	130	2.2	20	
Lead	0.572	mg/L	0.050	114	70	130	0.9	20	
Manganese	0.605	mg/L	0.010	115	70	130	2.1	20	
Molybdenum	0.512	mg/L	0.10	102	70	130	0.3	20	
Nickel	0.514	mg/L	0.050	102	70	130	0.7	20	
Uranium	0.518	mg/L	0.00035	102	70	130	1.4	20	
Vanadium	0.551	mg/L	0.10	110	70	130	2.6	20	
Sample ID: C05070644-001AMS4 Post Digestion Spike									07/19/05 15:20
Aluminum	0.507	mg/L	0.10	101	70	130			
Beryllium	0.434	mg/L	0.010	86.8	70	130			
Cadmium	0.556	mg/L	0.010	111	70	130			
Cobalt	0.565	mg/L	0.010	112	70	130			
Lead	0.579	mg/L	0.050	116	70	130			
Manganese	5.02	mg/L	0.010		70	130			A
Nickel	0.541	mg/L	0.050	103	70	130			
Uranium	1.07	mg/L	0.00035	112	70	130			
Vanadium	0.562	mg/L	0.10	112	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: 08/12/05

Work Order: C05070603

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R52897		
Sample ID: C05070644-001AMSD4 Post Digestion Spike Dup							07/19/05 15:27		
Aluminum	0.505	mg/L	0.10	101	70	130	0.4	20	
Beryllium	0.439	mg/L	0.010	87.7	70	130	1.0	20	
Cadmium	0.556	mg/L	0.010	111	70	130	0.1	20	
Cobalt	0.574	mg/L	0.010	113	70	130	1.5	20	
Lead	0.589	mg/L	0.050	118	70	130	1.8	20	
Manganese	5.05	mg/L	0.010		70	130	0.6	20	A
Nickel	0.542	mg/L	0.050	103	70	130	0.2	20	
Uranium	1.09	mg/L	0.00035	116	70	130	1.8	20	
Vanadium	0.571	mg/L	0.10	113	70	130	1.5	20	
Sample ID: C05070637-004AMS4 Post Digestion Spike							07/19/05 18:29		
Aluminum	0.0590	mg/L	0.10	111	70	130			
Beryllium	0.0602	mg/L	0.010	120	70	130			
Cadmium	0.0525	mg/L	0.010	105	70	130			
Cobalt	0.0506	mg/L	0.010	99.9	70	130			
Lead	0.0574	mg/L	0.050	115	70	130			
Manganese	0.0963	mg/L	0.010	100	70	130			
Molybdenum	0.0874	mg/L	0.10	108	70	130			
Nickel	0.0602	mg/L	0.050	105	70	130			
Uranium	0.288	mg/L	0.00030		70	130			A
Vanadium	0.0550	mg/L	0.10	105	70	130			
Sample ID: C05070637-004AMSD4 Post Digestion Spike Dup							07/19/05 19:02		
Aluminum	0.0558	mg/L	0.10	104	70	130	0	20	
Beryllium	0.0513	mg/L	0.010	103	70	130	16	20	
Cadmium	0.0510	mg/L	0.010	102	70	130	2.8	20	
Cobalt	0.0509	mg/L	0.010	100	70	130	0.4	20	
Lead	0.0573	mg/L	0.050	114	70	130	0.2	20	
Manganese	0.0988	mg/L	0.010	105	70	130	2.6	20	
Molybdenum	0.0861	mg/L	0.10	105	70	130	0	20	
Nickel	0.0560	mg/L	0.050	96.4	70	130	7.2	20	
Uranium	0.284	mg/L	0.00030		70	130	1.6	20	A
Vanadium	0.0559	mg/L	0.10	106	70	130	0	20	
Sample ID: C05070603-004AMS4 Post Digestion Spike							07/19/05 19:36		
Aluminum	0.318	mg/L	0.10	117	70	130			
Beryllium	0.314	mg/L	0.010	126	70	130			
Cadmium	0.287	mg/L	0.010	115	70	130			
Cobalt	0.279	mg/L	0.010	111	70	130			
Lead	0.298	mg/L	0.050	118	70	130			
Manganese	0.896	mg/L	0.010	111	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: 08/12/05

Work Order: C05070603

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R52897		
Sample ID: C05070603-004AMS4 Post Digestion Spike							07/19/05 19:36		
Molybdenum	0.278	mg/L	0.10	111	70	130			
Nickel	0.307	mg/L	0.050	121	70	130			
Uranium	0.447	mg/L	0.00030	130	70	130			
Vanadium	0.287	mg/L	0.10	114	70	130			
Sample ID: C05070603-004AMS4 Post Digestion Spike Dup							07/19/05 19:42		
Aluminum	0.329	mg/L	0.10	121	70	130	3.2	20	
Beryllium	0.302	mg/L	0.010	121	70	130	4.0	20	
Cadmium	0.288	mg/L	0.010	115	70	130	0.2	20	
Cobalt	0.277	mg/L	0.010	110	70	130	0.9	20	
Lead	0.294	mg/L	0.050	116	70	130	1.6	20	
Manganese	0.873	mg/L	0.010	102	70	130	2.5	20	
Molybdenum	0.276	mg/L	0.10	110	70	130	0.6	20	
Nickel	0.302	mg/L	0.050	118	70	130	1.9	20	
Uranium	0.438	mg/L	0.00030	126	70	130	2.0	20	
Vanadium	0.284	mg/L	0.10	113	70	130	0.9	20	
Sample ID: C05070603-014AMS4 Post Digestion Spike							07/19/05 22:03		
Aluminum	0.294	mg/L	0.10	110	70	130			
Beryllium	0.270	mg/L	0.010	108	70	130			
Cadmium	0.274	mg/L	0.010	109	70	130			
Cobalt	0.284	mg/L	0.010	110	70	130			
Lead	0.285	mg/L	0.050	114	70	130			
Manganese	2.17	mg/L	0.010		70	130			A
Molybdenum	0.264	mg/L	0.10	106	70	130			
Nickel	0.289	mg/L	0.050	113	70	130			
Uranium	0.399	mg/L	0.00030	117	70	130			
Vanadium	0.283	mg/L	0.10	112	70	130			
Sample ID: C05070603-014AMS4 Post Digestion Spike Dup							07/19/05 22:10		
Aluminum	0.305	mg/L	0.10	114	70	130	3.7	20	
Beryllium	0.267	mg/L	0.010	107	70	130	1.4	20	
Cadmium	0.277	mg/L	0.010	111	70	130	1.1	20	
Cobalt	0.283	mg/L	0.010	109	70	130	0.5	20	
Lead	0.285	mg/L	0.050	114	70	130	0.2	20	
Manganese	2.16	mg/L	0.010		70	130	0.5	20	A
Molybdenum	0.266	mg/L	0.10	106	70	130	0.5	20	
Nickel	0.293	mg/L	0.050	114	70	130	1.4	20	
Uranium	0.396	mg/L	0.00030	116	70	130	0.9	20	
Vanadium	0.281	mg/L	0.10	112	70	130	0.7	20	

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 08/12/05

Work Order: C05070603

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R52897		
Sample ID: C05070571-001CMS4 Post Digestion Spike							07/19/05 23:51		
Aluminum	0.0832	mg/L	0.10	125	70	130			
Beryllium	0.0535	mg/L	0.010	107	70	130			
Cadmium	0.0564	mg/L	0.010	113	70	130			
Cobalt	0.0567	mg/L	0.010	113	70	130			
Lead	0.0567	mg/L	0.050	113	70	130			
Manganese	0.130	mg/L	0.010	111	70	130			
Molybdenum	0.0511	mg/L	0.10	102	70	130			
Nickel	0.0584	mg/L	0.050	115	70	130			
Uranium	0.0563	mg/L	0.00030	113	70	130			
Vanadium	0.0557	mg/L	0.10	111	70	130			
Sample ID: C05070571-001CMSD4 Post Digestion Spike Dup							07/19/05 23:57		
Aluminum	0.0723	mg/L	0.10	104	70	130	0	20	
Beryllium	0.0536	mg/L	0.010	107	70	130	0.2	20	
Cadmium	0.0567	mg/L	0.010	113	70	130	0.5	20	
Cobalt	0.0569	mg/L	0.010	114	70	130	0.4	20	
Lead	0.0580	mg/L	0.050	116	70	130	2.3	20	
Manganese	0.131	mg/L	0.010	113	70	130	0.7	20	
Molybdenum	0.0519	mg/L	0.10	104	70	130	0	20	
Nickel	0.0580	mg/L	0.050	114	70	130	0.6	20	
Uranium	0.0574	mg/L	0.00030	115	70	130	2.1	20	
Vanadium	0.0564	mg/L	0.10	113	70	130	0	20	
Sample ID: C05070589-001BMS4 Post Digestion Spike							07/20/05 01:45		
Aluminum	0.582	mg/L	0.10	112	70	130			
Beryllium	0.313	mg/L	0.010	122	70	130			
Cadmium	0.289	mg/L	0.010	113	70	130			
Cobalt	0.292	mg/L	0.010	110	70	130			
Lead	0.271	mg/L	0.050	108	70	130			
Manganese	1.65	mg/L	0.010		70	130			A
Molybdenum	0.300	mg/L	0.10	107	70	130			
Nickel	0.301	mg/L	0.050	108	70	130			
Uranium	0.388	mg/L	0.00030	110	70	130			
Vanadium	0.283	mg/L	0.10	113	70	130			
Sample ID: C05070589-001BMSD4 Post Digestion Spike Dup							07/20/05 01:51		
Aluminum	0.580	mg/L	0.10	112	70	130	0.3	20	
Beryllium	0.307	mg/L	0.010	120	70	130	2.1	20	
Cadmium	0.284	mg/L	0.010	110	70	130	1.8	20	
Cobalt	0.291	mg/L	0.010	109	70	130	0.3	20	
Lead	0.277	mg/L	0.050	111	70	130	2.2	20	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 08/12/05

Work Order: C05070603

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R52897		
Sample ID: C05070589-001BMSD4 Post Digestion Spike Dup							07/20/05 01:51		
Manganese	1.64	mg/L	0.010		70	130	0.7	20	A
Molybdenum	0.300	mg/L	0.10	107	70	130	0.1	20	
Nickel	0.303	mg/L	0.050	108	70	130	0.4	20	
Uranium	0.398	mg/L	0.00030	114	70	130	2.4	20	
Vanadium	0.279	mg/L	0.10	111	70	130	1.6	20	
Sample ID: C05070589-011BMS4 Post Digestion Spike							07/20/05 05:06		
Aluminum	0.271	mg/L	0.10	104	70	130			
Beryllium	0.280	mg/L	0.010	112	70	130			
Cadmium	0.269	mg/L	0.010	107	70	130			
Cobalt	0.270	mg/L	0.010	108	70	130			
Lead	0.286	mg/L	0.050	114	70	130			
Manganese	0.881	mg/L	0.010	109	70	130			
Molybdenum	0.259	mg/L	0.10	104	70	130			
Nickel	0.266	mg/L	0.050	104	70	130			
Uranium	0.296	mg/L	0.00030	118	70	130			
Vanadium	0.274	mg/L	0.10	110	70	130			
Sample ID: C05070589-011BMSD4 Post Digestion Spike Dup							07/20/05 05:13		
Aluminum	0.264	mg/L	0.10	102	70	130	2.6	20	
Beryllium	0.282	mg/L	0.010	113	70	130	0.6	20	
Cadmium	0.267	mg/L	0.010	107	70	130	0.5	20	
Cobalt	0.272	mg/L	0.010	108	70	130	0.7	20	
Lead	0.286	mg/L	0.050	114	70	130	0.3	20	
Manganese	0.884	mg/L	0.010	110	70	130	0.3	20	
Molybdenum	0.262	mg/L	0.10	105	70	130	0.9	20	
Nickel	0.267	mg/L	0.050	104	70	130	0.5	20	
Uranium	0.297	mg/L	0.00030	119	70	130	0.4	20	
Vanadium	0.274	mg/L	0.10	110	70	130	0	20	

Qualifiers:

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ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 08/12/05

Work Order: C05070603

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2			Batch: A2005-07-18_1_NO3_01						
Sample ID: MBLK-1	Method Blank								07/18/05 11:13
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05070527-003BMS	Matrix Spike								07/18/05 11:30
Nitrogen, Nitrate+Nitrite as N	1.90	mg/L	0.10	93	90	110			
Sample ID: C05070527-003BMDS	Matrix Spike Duplicate								07/18/05 11:33
Nitrogen, Nitrate+Nitrite as N	1.99	mg/L	0.10	97.5	90	110	4.6	10	
Sample ID: MBLK-17	Method Blank								07/18/05 11:53
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05070560-005CMS	Matrix Spike								07/18/05 12:08
Nitrogen, Nitrate+Nitrite as N	1.88	mg/L	0.10	94	90	110			
Sample ID: C05070560-005CMSD	Matrix Spike Duplicate								07/18/05 12:10
Nitrogen, Nitrate+Nitrite as N	2.01	mg/L	0.10	101	90	110	6.7	10	
Sample ID: MBLK-32	Method Blank								07/18/05 12:30
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05070603-002DMS	Matrix Spike								07/18/05 12:48
Nitrogen, Nitrate+Nitrite as N	2.31	mg/L	0.10	104	90	110			
Sample ID: C05070603-002DMDS	Matrix Spike Duplicate								07/18/05 12:50
Nitrogen, Nitrate+Nitrite as N	2.35	mg/L	0.10	106	90	110	1.7	10	
Sample ID: MBLK-48	Method Blank								07/18/05 13:13
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05070603-009DMS	Matrix Spike								07/18/05 13:28
Nitrogen, Nitrate+Nitrite as N	72.4	mg/L	1.5	95.2	90	110			
Sample ID: C05070603-009DMDS	Matrix Spike Duplicate								07/18/05 13:30
Nitrogen, Nitrate+Nitrite as N	72.0	mg/L	1.5	91.2	90	110	0.6	10	
Sample ID: MBLK-63	Method Blank								07/18/05 13:53
Nitrogen, Nitrate+Nitrite as N	0.04	mg/L	0.03						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 08/12/05

Work Order: C05070603

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R53014
Sample ID: 20-Jul-05_LCS_3	Laboratory Control Spike								07/20/05 10:30
Chloroform	5.88	ug/L	1.0	118	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	99.2	80	120			
Surr: Dibromofluoromethane			1.0	110	70	130			
Surr: p-Bromofluorobenzene			1.0	103	75	125			
Surr: Toluene-d8			1.0	104	80	120			
Sample ID: 20-Jul-05_MBLK_6	Method Blank								07/20/05 12:20
Chloroform	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			0.5	102	80	120			
Surr: Dibromofluoromethane			0.5	110	70	130			
Surr: p-Bromofluorobenzene			0.5	104	75	125			
Surr: Toluene-d8			0.5	100	80	120			
Sample ID: C05070604-001EMS	Matrix Spike								07/20/05 17:53
Chloroform	292	ug/L	5.0	124	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	106	80	120			
Surr: Dibromofluoromethane			5.0	118	70	130			
Surr: p-Bromofluorobenzene			5.0	109	75	125			
Surr: Toluene-d8			5.0	99.2	80	120			
Sample ID: C05070604-001EMSD	Matrix Spike Duplicate								07/20/05 18:30
Chloroform	297	ug/L	5.0	129	70	130	1.9	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	102	80	120	0	10	
Surr: Dibromofluoromethane			5.0	118	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	108	75	125	0	10	
Surr: Toluene-d8			5.0	99.6	80	120	0	10	
Sample ID: C05070605-001EMS	Matrix Spike								07/21/05 12:16
Chloroform	305	ug/L	5.0	127	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	106	80	120			
Surr: Dibromofluoromethane			5.0	116	70	130			
Surr: p-Bromofluorobenzene			5.0	113	75	125			
Surr: Toluene-d8			5.0	96	80	120			
Sample ID: C05070605-001EMSD	Matrix Spike Duplicate								07/21/05 12:53
Chloroform	302	ug/L	5.0	124	70	130	1.1	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	102	80	120	0	10	
Surr: Dibromofluoromethane			5.0	116	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	113	75	125	0	10	
Surr: Toluene-d8			5.0	95.6	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: 08/12/05

Work Order: C05070603

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1							Batch: R53296		
Sample ID: C05070603-001A	Sample Duplicate							07/22/05 12:40	
Gross Alpha minus Rn & U	ND	pCi/L	1.0				0	30	
Sample ID: C05070603-002A	Matrix Spike							07/22/05 12:40	
Gross Alpha minus Rn & U	27.7	pCi/L	1.0	87.4	70	130			
Sample ID: MB-R53296	Method Blank							07/22/05 12:40	
Gross Alpha minus Rn & U	ND	pCi/L	1						
Sample ID: LCS-R53296	Laboratory Control Spike							07/22/05 12:40	
Gross Alpha minus Rn & U	29.8	pCi/L	1.0	94	70	130			
Method: E903.0							Batch: RA226-1137		
Sample ID: C05070603-009ADUP	Sample Duplicate							07/19/05 15:00	
Radium 226	1.1	pCi/L	0.20				16	114.4	
Sample ID: C05070603-010AMS	Matrix Spike							07/19/05 15:00	
Radium 226	22	pCi/L	0.20	99.9	70	130			
Sample ID: MB-RA226-1137	Method Blank							07/19/05 15:00	
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-1137	Laboratory Control Spike							07/19/05 15:00	
Radium 226	12	pCi/L	0.20	95.1	70	130			
Method: E904.0							Batch: RA228-0949		
Sample ID: LCS-228-RA226-1137	Laboratory Control Spike							07/19/05 15:00	
Radium 228	9.3	pCi/L	1.0	96.1	70	130			
Sample ID: MB-RA226-1137	Method Blank							07/19/05 15:00	
Radium 228	ND	pCi/L	1						
Sample ID: C05070603-009ADUP	Sample Duplicate							07/19/05 15:00	
Radium 228	ND	pCi/L	1.0				0	147.3	
Sample ID: C05070603-013AMS	Matrix Spike							07/19/05 15:00	
Radium 228	17	pCi/L	1.0	107	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: 08/12/05

Work Order: C05070603

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: R53350
Sample ID: MB-R53350	Method Blank								07/21/05 10:30
Thorium 230	ND	pCi/L	0.2						
Sample ID: LCS-R53350									07/21/05 10:30
Thorium 230	Laboratory Control Spike								
	20.7	pCi/L	0.20	82.8	70	130			
Sample ID: C05070603-016AMS									07/21/05 10:30
Thorium 230	Matrix Spike								
	114	pCi/L	0.20	91.3	70	130			
Method: NERHL-65-4									Batch: R53093
Sample ID: MB-R53093	Method Blank								07/21/05 10:30
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R53093									07/21/05 10:30
Lead 210	Laboratory Control Spike								
	80	pCi/L	1.0	92.8	70	130			
Sample ID: C05070605-002DUP									07/21/05 10:30
Lead 210	Sample Duplicate								
	ND	pCi/L	1.0				0	30	
Sample ID: C05070605-003AMS									07/21/05 10:30
Lead 210	Matrix Spike								
	200	pCi/L	1.0	92.9	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



ANALYTICAL SUMMARY REPORT

August 12, 2005

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

Workorder No.: C05070605

Quote ID: C129 - Quarterly Long List

Project Name: Zone 1

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

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C05070605-001	614	07/13/05 9:05	07/15/05	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
C05070605-002	515-A	07/13/05 9:45	07/15/05	Aqueous	Same As Above
C05070605-003	604	07/13/05 10:27	07/15/05	Aqueous	Same As Above
C05070605-004	Field Blank	07/13/05 11:26	07/15/05	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:


ROGER GARLING
LABORATORY SUPERVISOR



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 08/12/05

Work Order: C05070605

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B							Batch: 050721_1_ALK-W		
Sample ID: MBLK1_050721_1	Method Blank								07/21/05 08:51
Bicarbonate as HCO ₃	ND	mg/L		1					
Sample ID: MBLK2_050721_1	Method Blank								07/21/05 12:42
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: 08/12/05

Work Order: C05070605

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C		Batch: 050718A-SLDS-TDS-W							
Sample ID: LCS1_050718A	Laboratory Control Spike								07/18/05 09:07
Solids, Total Dissolved TDS @ 180 C	948	mg/L	10	94.8	90	110			
Sample ID: MBLK1_050718A	Method Blank								07/19/05 09:39
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05070528-006AMS	Matrix Spike								07/18/05 09:10
Solids, Total Dissolved TDS @ 180 C	4100	mg/L	10	96.7	90	110			
Sample ID: C05070528-006AMSD	Matrix Spike Duplicate								07/18/05 09:10
Solids, Total Dissolved TDS @ 180 C	4130	mg/L	10	97.6	90	110	0.8	10	
Sample ID: C05070545-003ADUP	Sample Duplicate								07/18/05 09:14
Solids, Total Dissolved TDS @ 180 C	35100	mg/L	10				1.1	10	
Sample ID: C05070545-003AMS	Matrix Spike								07/18/05 09:14
Solids, Total Dissolved TDS @ 180 C	59500	mg/L	10	96.1	90	110			
Sample ID: C05070545-003AMSD	Matrix Spike Duplicate								07/18/05 09:14
Solids, Total Dissolved TDS @ 180 C	60400	mg/L	10	99.4	90	110	1.4	10	
Sample ID: LCS2_050718A	Laboratory Control Spike								07/18/05 09:15
Solids, Total Dissolved TDS @ 180 C	992	mg/L	10	99.2	90	110			
Sample ID: MBLK2_050718A	Method Blank								07/19/05 09:39
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05070560-004DMS	Matrix Spike								07/18/05 10:22
Solids, Total Dissolved TDS @ 180 C	4520	mg/L	10	97.2	90	110			
Sample ID: C05070560-004DMSD	Matrix Spike Duplicate								07/18/05 10:22
Solids, Total Dissolved TDS @ 180 C	4510	mg/L	10	96.8	90	110	0.4	10	
Sample ID: C05070571-002ADUP	Sample Duplicate								07/18/05 10:27
Solids, Total Dissolved TDS @ 180 C	336	mg/L	10				3.6	10	
Sample ID: C05070571-002AMS	Matrix Spike								07/18/05 10:27
Solids, Total Dissolved TDS @ 180 C	4230	mg/L	10	97.7	90	110			
Sample ID: C05070571-002AMSD	Matrix Spike Duplicate								07/18/05 10:27
Solids, Total Dissolved TDS @ 180 C	4280	mg/L	10	99	90	110	1.2	10	
Sample ID: LCS3_050718A	Laboratory Control Spike								07/18/05 10:28
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: 08/12/05

Work Order: C05070605

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C			Batch: 050718A-SLDS-TDS-W						
Sample ID: MBLK3_050718A	Method Blank								07/18/05 10:28
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05070581-004AMS	Matrix Spike								07/18/05 11:46
Solids, Total Dissolved TDS @ 180 C	4140	mg/L	10	98	90	110			
Sample ID: C05070581-004AMSD	Matrix Spike Duplicate								07/18/05 11:46
Solids, Total Dissolved TDS @ 180 C	4130	mg/L	10	97.7	90	110	0.3	10	
Sample ID: C05070588-004ADUP	Sample Duplicate								07/18/05 11:50
Solids, Total Dissolved TDS @ 180 C	391	mg/L	10				1.1	10	
Sample ID: C05070588-004AMSD	Matrix Spike Duplicate								07/18/05 11:50
Solids, Total Dissolved TDS @ 180 C	4560	mg/L	10	96	90	110	9.6	10	
Sample ID: LCS4_050718A	Laboratory Control Spike								07/18/05 11:51
Solids, Total Dissolved TDS @ 180 C	1020	mg/L	10	102	90	110			
Sample ID: MBLK4_050718A	Method Blank								07/19/05 09:40
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05070589-008AMS	Matrix Spike								07/18/05 13:06
Solids, Total Dissolved TDS @ 180 C	16700	mg/L	10	97.7	90	110			
Sample ID: C05070589-008AMSD	Matrix Spike Duplicate								07/18/05 13:06
Solids, Total Dissolved TDS @ 180 C	16800	mg/L	10	98.1	90	110	0.2	10	
Sample ID: C05070603-005BDUP	Sample Duplicate								07/18/05 13:11
Solids, Total Dissolved TDS @ 180 C	8200	mg/L	10				0.1	10	
Sample ID: LCS5_050718A	Laboratory Control Spike								07/18/05 13:11
Solids, Total Dissolved TDS @ 180 C	1040	mg/L	10	104	90	110			
Sample ID: MBLK5_050718A	Method Blank								07/18/05 13:12
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05070603-015BMS	Matrix Spike								07/18/05 16:01
Solids, Total Dissolved TDS @ 180 C	8000	mg/L	10	98.4	90	110			
Sample ID: C05070603-015BMDS	Matrix Spike Duplicate								07/18/05 16:01
Solids, Total Dissolved TDS @ 180 C	7980	mg/L	10	98	90	110	0.2	10	
Sample ID: C05070605-004BDUP	Sample Duplicate								07/18/05 16:05
Solids, Total Dissolved TDS @ 180 C	16.0	mg/L	10				0	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: 08/12/05

Work Order: C05070605

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C			Batch: 050718A-SLDS-TDS-W						
Sample ID: C05070605-004BMS	Matrix Spike								07/18/05 16:07
Solids, Total Dissolved TDS @ 180 C	4900	mg/L	10	97.7	90	110			
Sample ID: C05070605-004BMSD	Matrix Spike Duplicate								07/18/05 16:10
Solids, Total Dissolved TDS @ 180 C	4870	mg/L	10	97.2	90	110	0.5	10	
Sample ID: LCS6_050718A	Laboratory Control Spike								07/18/05 16:30
Solids, Total Dissolved TDS @ 180 C	1010	mg/L	10	101	90	110			

Qualifiers:

Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 08/12/05

Work Order: C05070605

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B		Batch: AS3114-050718b							
Sample ID: MBLK	Method Blank								07/18/05 13:22
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05070603-001AMS	Matrix Spike								07/18/05 13:43
Arsenic-III	0.0424	mg/L	0.0010	106	85	115			
Sample ID: C05070603-001AMSD	Matrix Spike Duplicate								07/18/05 13:45
Arsenic-III	0.0424	mg/L	0.0010	106	85	115	0	10	
Sample ID: C265-67-5	Laboratory Control Spike								07/18/05 13:47
Arsenic-III	0.0522	mg/L	0.0010	104	90	110			
Sample ID: MBLK	Method Blank								07/18/05 13:53
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05070603-011AMS	Matrix Spike								07/18/05 14:15
Arsenic-III	0.0428	mg/L	0.0010	107	85	115			
Sample ID: C05070603-011AMSD	Matrix Spike Duplicate								07/18/05 14:17
Arsenic-III	0.0415	mg/L	0.0010	104	85	115	3.0	10	
Sample ID: C265-67-5	Laboratory Control Spike								07/18/05 14:18
Arsenic-III	0.0503	mg/L	0.0010	101	90	110			
Sample ID: MBLK	Method Blank								07/18/05 14:24
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05070605-003AMS	Matrix Spike								07/18/05 14:30
Arsenic-III	0.0447	mg/L	0.0010	112	85	115			
Sample ID: C05070605-003AMSD	Matrix Spike Duplicate								07/18/05 14:32
Arsenic-III	0.0441	mg/L	0.0010	110	85	115	1.5	10	
Sample ID: C265-67-5	Laboratory Control Spike								07/18/05 14:34
Arsenic-III	0.0521	mg/L	0.0010	104	90	110			
Sample ID: MBLK	Method Blank								07/18/05 14:38
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: 08/12/05

Work Order: C05070605

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: SEIV3114-050719		
Sample ID: MBLK	Method Blank								07/19/05 09:23
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05070603-001AMS	Matrix Spike								07/19/05 09:48
Selenium-IV	0.0469	mg/L	0.0010	93.9	85	115			
Sample ID: C05070603-001AMSD	Matrix Spike Duplicate								07/19/05 09:50
Selenium-IV	0.0469	mg/L	0.0010	93.8	85	115	0	10	
Sample ID: C265-67-5	Laboratory Control Spike								07/19/05 09:52
Selenium-IV	0.0566	mg/L	0.0010	94.4	90	110			
Sample ID: MBLK	Method Blank								07/19/05 09:58
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05070603-011AMS	Matrix Spike								07/19/05 10:23
Selenium-IV	0.0462	mg/L	0.0010	92.3	85	115			
Sample ID: C05070603-011AMSD	Matrix Spike Duplicate								07/19/05 10:25
Selenium-IV	0.0455	mg/L	0.0010	91.1	85	115	1.4	10	
Sample ID: C265-67-5	Laboratory Control Spike								07/19/05 10:27
Selenium-IV	0.0559	mg/L	0.0010	93.1	90	110			
Sample ID: MBLK	Method Blank								07/19/05 10:33
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05070605-003AMS	Matrix Spike								07/19/05 10:40
Selenium-IV	0.0476	mg/L	0.0010	95.3	85	115			
Sample ID: C05070605-003AMSD	Matrix Spike Duplicate								07/19/05 10:42
Selenium-IV	0.0486	mg/L	0.0010	97.3	85	115	2.1	10	
Sample ID: C265-67-5	Laboratory Control Spike								07/19/05 10:44
Selenium-IV	0.0550	mg/L	0.0010	91.7	90	110			
Sample ID: MBLK	Method Blank								07/19/05 10:48
Selenium-IV	ND	mg/L	0.0002						

Qualifiers:

- Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 08/12/05

Work Order: C05070605

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B							Batch: PHSC050718A		
Sample ID: High Purity Water	Method Blank								07/18/05 08:36
pH	7	s.u.	0.01						
Sample ID: C05070528-004ADUP	Sample Duplicate								07/18/05 09:26
pH	8.13	s.u.	0.010				0.1	10	
Sample ID: C05070569-002ADUP	Sample Duplicate								07/18/05 10:20
pH	7.86	s.u.	0.010				0	10	
Sample ID: C05070571-007ADUP	Sample Duplicate								07/18/05 10:43
pH	8.57	s.u.	0.010				0	10	
Sample ID: C05070588-005ADUP	Sample Duplicate								07/18/05 11:42
pH	7.86	s.u.	0.010				0	10	
Sample ID: C05070603-009BDUP	Sample Duplicate								07/18/05 12:14
pH	7.25	s.u.	0.010				0	10	
Sample ID: C05070605-001BDUP	Sample Duplicate								07/18/05 12:51
pH	7.29	s.u.	0.010				0.1	10	
Sample ID: C05070605-004BDUP	Sample Duplicate								07/18/05 13:06
pH	6.98	s.u.	0.010				0.6	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: 08/12/05

Work Order: C05070605

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G			Batch: A2005-07-21_1_NH3_01						
Sample ID: MBLK-1	Method Blank								07/21/05 08:33
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05070603-005DMS	Matrix Spike								07/21/05 08:47
Nitrogen, Ammonia as N	2.21	mg/L	0.050	106	80	120			
Sample ID: C05070603-005DMSD	Matrix Spike Duplicate								07/21/05 08:49
Nitrogen, Ammonia as N	2.16	mg/L	0.050	104	80	120	2.3		20
Sample ID: MBLK-17	Method Blank								07/21/05 09:05
Nitrogen, Ammonia as N	0.08	mg/L	0.02						
Sample ID: C05070603-015DMS	Matrix Spike								07/21/05 09:17
Nitrogen, Ammonia as N	2.26	mg/L	0.050	106	80	120			
Sample ID: C05070603-015DMSD	Matrix Spike Duplicate								07/21/05 09:19
Nitrogen, Ammonia as N	2.26	mg/L	0.050	106	80	120	0		20
Sample ID: MBLK-32	Method Blank								07/21/05 09:35
Nitrogen, Ammonia as N	0.03	mg/L	0.02						
Sample ID: C05070735-003CMS	Matrix Spike								07/21/05 09:49
Nitrogen, Ammonia as N	1.91	mg/L	0.050	95.5	80	120			
Sample ID: C05070735-003CMSD	Matrix Spike Duplicate								07/21/05 09:51
Nitrogen, Ammonia as N	1.84	mg/L	0.050	92	80	120	3.7		20
Sample ID: MBLK-48	Method Blank								07/21/05 10:06
Nitrogen, Ammonia as N	0.04	mg/L	0.02						
Sample ID: C05070644-007DMS	Matrix Spike								07/21/05 10:19
Nitrogen, Ammonia as N	1.64	mg/L	0.050	82	80	120			
Sample ID: C05070644-007DMSD	Matrix Spike Duplicate								07/21/05 10:21
Nitrogen, Ammonia as N	1.62	mg/L	0.050	81	80	120	1.2		20
Sample ID: MBLK-63	Method Blank								07/21/05 10:37
Nitrogen, Ammonia as N	0.03	mg/L	0.02						
Sample ID: C05070569-001BMS	Matrix Spike								07/21/05 10:50
Nitrogen, Ammonia as N	5.12	mg/L	0.050	112	80	120			
Sample ID: C05070569-001BMSD	Matrix Spike Duplicate								07/21/05 10:52
Nitrogen, Ammonia as N	5.10	mg/L	0.050	111	80	120	0.4		20

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Report Date: 08/12/05

Project: Zone 1

Work Order: C05070605

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G							Batch: A2005-07-21_1_NH3_01		
Sample ID: MBLK-79	Method Blank								07/21/05 11:09
Nitrogen, Ammonia as N	0.03	mg/L	0.02						
Sample ID: C05070803-001DMS	Matrix Spike								07/21/05 11:27
Nitrogen, Ammonia as N	1.85	mg/L	0.050	91.5	80	120			
Sample ID: C05070803-001DMSD	Matrix Spike Duplicate								07/21/05 11:29
Nitrogen, Ammonia as N	1.98	mg/L	0.050	98	80	120	6.8	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: 08/12/05

Work Order: C05070605

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R53041		
Sample ID: LFB-010305D-01	Laboratory Fortified Blank							07/21/05 10:41	
Calcium	51.4	mg/L	0.50	103	85	125			
Magnesium	51.6	mg/L	0.50	103	85	125			
Potassium	49.8	mg/L	0.50	99.5	85	125			
Sodium	52.3	mg/L	0.50	105	85	125			
Sample ID: C05070603-010AMS1	Matrix Spike							07/21/05 12:24	
Calcium	961	mg/L	0.57	99	70	130			
Magnesium	1350	mg/L	0.53	91.2	70	130			
Potassium	478	mg/L	0.52	95.1	70	130			
Sodium	879	mg/L	0.62	95.4	70	130			
Sample ID: C05070603-010AMS3	Matrix Spike							07/21/05 12:30	
Chloride	1030	mg/L	1.0	103	70	130			
Sample ID: C05070603-010AMSD1	Matrix Spike Duplicate							07/21/05 12:33	
Calcium	988	mg/L	0.57	104	70	130	2.8	20	
Magnesium	1390	mg/L	0.53	99.2	70	130	2.9	20	
Potassium	478	mg/L	0.52	95	70	130	0.2	20	
Sodium	870	mg/L	0.62	93.6	70	130	1.0	20	
Sample ID: C05070603-010AMSD3	Matrix Spike Duplicate							07/21/05 12:40	
Chloride	988	mg/L	1.0	98.8	70	130	4.1	20	
Sample ID: LFB-010305D-01	Laboratory Fortified Blank							07/21/05 13:57	
Calcium	49.7	mg/L	0.50	99.4	85	125			
Magnesium	49.6	mg/L	0.50	99.2	85	125			
Potassium	48.7	mg/L	0.50	97.4	85	125			
Sodium	50.7	mg/L	0.50	101	85	125			
Sample ID: C05070761-002BMS1	Matrix Spike							07/21/05 18:00	
Calcium	488	mg/L	0.57	94.6	70	130			
Magnesium	467	mg/L	0.53	92.2	70	130			
Potassium	453	mg/L	0.52	90.7	70	130			
Sodium	590	mg/L	0.62	96.4	70	130			
Sample ID: C05070761-002BMSD1	Matrix Spike Duplicate							07/21/05 18:18	
Calcium	485	mg/L	0.57	94	70	130	0.6	20	
Magnesium	466	mg/L	0.53	92	70	130	0.3	20	
Potassium	451	mg/L	0.52	90.2	70	130	0.5	20	
Sodium	587	mg/L	0.62	95.8	70	130	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: 08/12/05

Work Order: C05070605

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R53158
Sample ID: LFB-010305D-01	Laboratory Fortified Blank								07/25/05 11:06
Sodium	50.2	mg/L	0.50	100	85	125			
Sample ID: C05070735-001BMS1	Matrix Spike								07/25/05 11:21
Sodium	46.4	mg/L	0.50	91.4	70	130			
Sample ID: C05070735-001BMSD1	Matrix Spike Duplicate								07/25/05 11:30
Sodium	49.1	mg/L	0.50	96.8	70	130	5.6	20	
Sample ID: C05070926-001CMS1	Matrix Spike								07/25/05 13:10
Sodium	103	mg/L	0.50	88	70	130			
Sample ID: C05070926-001CMSD1	Matrix Spike Duplicate								07/25/05 13:20
Sodium	99.3	mg/L	0.50	80.6	70	130	3.7	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: 08/12/05

Work Order: C05070605

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R53028
Sample ID: LRB									07/20/05 17:54
Method Blank									
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	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: LFB									07/20/05 18:01
Laboratory Fortified Blank									
Aluminum	0.0551	mg/L	0.0010	110	85	115			
Beryllium	0.0525	mg/L	0.0010	105	85	115			
Cadmium	0.0542	mg/L	0.0010	108	85	115			
Cobalt	0.0554	mg/L	0.0010	111	85	115			
Lead	0.0546	mg/L	0.0010	109	85	115			
Manganese	0.0549	mg/L	0.0010	110	85	115			
Molybdenum	0.0564	mg/L	0.0010	113	85	115			
Nickel	0.0547	mg/L	0.0010	109	85	115			
Uranium	0.0544	mg/L	0.00030	109	85	115			
Vanadium	0.0554	mg/L	0.0010	111	85	115			
Sample ID: C05070604-001AMS4									07/21/05 03:57
Post Digestion Spike									
Beryllium	0.673	mg/L	0.010	87.3	70	130			
Cadmium	0.562	mg/L	0.010	105	70	130			
Cobalt	2.55	mg/L	0.010		70	130			A
Lead	0.547	mg/L	0.050	109	70	130			
Manganese	60.6	mg/L	0.010		70	130			A
Molybdenum	0.576	mg/L	0.10	112	70	130			
Nickel	2.35	mg/L	0.050		70	130			A
Uranium	1.97	mg/L	0.00035	30	70	130			S
Vanadium	3.33	mg/L	0.10		70	130			A
- Matrix spike recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: C05070604-001AMSD4									07/21/05 04:03
Post Digestion Spike Dup									
Beryllium	0.650	mg/L	0.010	82.6	70	130	3.5	20	
Cadmium	0.561	mg/L	0.010	104	70	130	0.3	20	
Cobalt	2.56	mg/L	0.010		70	130	0.4	20	A
Lead	0.546	mg/L	0.050	108	70	130	0.2	20	
Manganese	60.8	mg/L	0.010		70	130	0.5	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. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 08/12/05

Work Order: C05070605

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R53028		
Sample ID: C05070604-001AMSD4 Post Digestion Spike Dup							07/21/05 04:03		
Molybdenum	0.581	mg/L	0.10	113	70	130	0.8	20	
Nickel	2.38	mg/L	0.050		70	130	1.3	20	A
Uranium	1.98	mg/L	0.00035	31.8	70	130	0.5	20	S
Vanadium	3.35	mg/L	0.10		70	130	0.8	20	A
- Matrix spike duplicate recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: C05070660-001BMS4 Post Digestion Spike							07/21/05 06:44		
Aluminum	0.0709	mg/L	0.10	106	70	130			
Beryllium	0.0516	mg/L	0.010	103	70	130			
Cadmium	0.0491	mg/L	0.010	98.1	70	130			
Cobalt	0.0501	mg/L	0.010	99.9	70	130			
Lead	0.0550	mg/L	0.050	110	70	130			
Manganese	0.0682	mg/L	0.010	100	70	130			
Molybdenum	0.0582	mg/L	0.10	115	70	130			
Nickel	0.0536	mg/L	0.050	102	70	130			
Uranium	0.0590	mg/L	0.00030	118	70	130			
Vanadium	0.0540	mg/L	0.10	107	70	130			
Sample ID: C05070660-001BMSD4 Post Digestion Spike Dup							07/21/05 06:51		
Aluminum	0.0691	mg/L	0.10	102	70	130	0	20	
Beryllium	0.0522	mg/L	0.010	104	70	130	1.1	20	
Cadmium	0.0496	mg/L	0.010	99.2	70	130	1.1	20	
Cobalt	0.0505	mg/L	0.010	101	70	130	0.8	20	
Lead	0.0562	mg/L	0.050	112	70	130	2.3	20	
Manganese	0.0692	mg/L	0.010	102	70	130	1.5	20	
Molybdenum	0.0592	mg/L	0.10	117	70	130	0	20	
Nickel	0.0550	mg/L	0.050	105	70	130	2.7	20	
Uranium	0.0603	mg/L	0.00030	120	70	130	2.2	20	
Vanadium	0.0546	mg/L	0.10	108	70	130	0	20	
Sample ID: C05070697-001CMS4 Post Digestion Spike							07/21/05 07:38		
Aluminum	0.054	mg/L	0.10	109	70	130			
Beryllium	0.055	mg/L	0.0010	109	70	130			
Cadmium	0.051	mg/L	0.0010	102	70	130			
Cobalt	0.051	mg/L	0.010	103	70	130			
Lead	0.053	mg/L	0.0010	105	70	130			
Manganese	0.053	mg/L	0.010	105	70	130			
Molybdenum	0.056	mg/L	0.10	108	70	130			
Nickel	0.053	mg/L	0.050	101	70	130			
Uranium	0.056	mg/L	0.00030	107	70	130			
Vanadium	0.063	mg/L	0.10	107	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.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 08/12/05

Work Order: C05070605

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R53028		
Sample ID: C05070697-001CMSD4 Post Digestion Spike Dup							07/21/05 07:45		
Aluminum	0.054	mg/L	0.10	108	70	130	0	20	
Beryllium	0.058	mg/L	0.0010	116	70	130	6.1	20	
Cadmium	0.052	mg/L	0.0010	105	70	130	2.2	20	
Cobalt	0.052	mg/L	0.010	103	70	130	0.4	20	
Lead	0.054	mg/L	0.0010	107	70	130	1.7	20	
Manganese	0.053	mg/L	0.010	105	70	130	0.6	20	
Molybdenum	0.057	mg/L	0.10	108	70	130	0	20	
Nickel	0.054	mg/L	0.050	104	70	130	2.4	20	
Uranium	0.058	mg/L	0.00030	110	70	130	2.5	20	
Vanadium	0.063	mg/L	0.10	107	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: 08/12/05

Work Order: C05070605

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2			Batch: A2005-07-18_1_NO3_01						
Sample ID: MBLK-1	Method Blank								07/18/05 11:13
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05070527-003BMS	Matrix Spike								07/18/05 11:30
Nitrogen, Nitrate+Nitrite as N	1.90	mg/L	0.10	93	90	110			
Sample ID: C05070527-003BMDS	Matrix Spike Duplicate								07/18/05 11:33
Nitrogen, Nitrate+Nitrite as N	1.99	mg/L	0.10	97.5	90	110	4.6	10	
Sample ID: MBLK-17	Method Blank								07/18/05 11:53
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05070560-005CMS	Matrix Spike								07/18/05 12:08
Nitrogen, Nitrate+Nitrite as N	1.88	mg/L	0.10	94	90	110			
Sample ID: C05070560-005CMSD	Matrix Spike Duplicate								07/18/05 12:10
Nitrogen, Nitrate+Nitrite as N	2.01	mg/L	0.10	101	90	110	6.7	10	
Sample ID: MBLK-32	Method Blank								07/18/05 12:30
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05070603-002DMS	Matrix Spike								07/18/05 12:48
Nitrogen, Nitrate+Nitrite as N	2.31	mg/L	0.10	104	90	110			
Sample ID: C05070603-002DMDS	Matrix Spike Duplicate								07/18/05 12:50
Nitrogen, Nitrate+Nitrite as N	2.35	mg/L	0.10	106	90	110	1.7	10	
Sample ID: MBLK-48	Method Blank								07/18/05 13:13
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05070603-009DMS	Matrix Spike								07/18/05 13:28
Nitrogen, Nitrate+Nitrite as N	72.4	mg/L	1.5	95.2	90	110			
Sample ID: C05070603-009DMDS	Matrix Spike Duplicate								07/18/05 13:30
Nitrogen, Nitrate+Nitrite as N	72.0	mg/L	1.5	91.2	90	110	0.6	10	
Sample ID: MBLK-63	Method Blank								07/18/05 13:53
Nitrogen, Nitrate+Nitrite as N	0.04	mg/L	0.03						

Modifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 08/12/05

Work Order: C05070605

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R53014
Sample ID: 20-Jul-05_LCS_3	Laboratory Control Spike								07/20/05 10:30
Chloroform	5.88	ug/L	1.0	118	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	99.2	80	120			
Surr: Dibromofluoromethane			1.0	110	70	130			
Surr: p-Bromofluorobenzene			1.0	103	75	125			
Surr: Toluene-d8			1.0	104	80	120			
Sample ID: 20-Jul-05_MBLK_6	Method Blank								07/20/05 12:20
Chloroform	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			0.5	102	80	120			
Surr: Dibromofluoromethane			0.5	110	70	130			
Surr: p-Bromofluorobenzene			0.5	104	75	125			
Surr: Toluene-d8			0.5	100	80	120			
Sample ID: C05070604-001EMS	Matrix Spike								07/20/05 17:53
Chloroform	292	ug/L	5.0	124	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	106	80	120			
Surr: Dibromofluoromethane			5.0	118	70	130			
Surr: p-Bromofluorobenzene			5.0	109	75	125			
Surr: Toluene-d8			5.0	99.2	80	120			
Sample ID: C05070604-001EMSD	Matrix Spike Duplicate								07/20/05 18:30
Chloroform	297	ug/L	5.0	129	70	130	1.9	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	102	80	120	0	10	
Surr: Dibromofluoromethane			5.0	118	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	108	75	125	0	10	
Surr: Toluene-d8			5.0	99.6	80	120	0	10	
Sample ID: C05070605-001EMS	Matrix Spike								07/21/05 12:16
Chloroform	305	ug/L	5.0	127	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	106	80	120			
Surr: Dibromofluoromethane			5.0	116	70	130			
Surr: p-Bromofluorobenzene			5.0	113	75	125			
Surr: Toluene-d8			5.0	96	80	120			
Sample ID: C05070605-001EMSD	Matrix Spike Duplicate								07/21/05 12:53
Chloroform	302	ug/L	5.0	124	70	130	1.1	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	102	80	120	0	10	
Surr: Dibromofluoromethane			5.0	116	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	113	75	125	0	10	
Surr: Toluene-d8			5.0	95.6	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: 08/12/05

Work Order: C05070605

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1									Batch: R53296
Sample ID: C05070603-001A	Sample Duplicate								07/22/05 12:40
Gross Alpha minus Rn & U	ND	pCi/L	1.0				0	30	
Sample ID: C05070603-002A	Matrix Spike								07/22/05 12:40
Gross Alpha minus Rn & U	27.7	pCi/L	1.0	87.4	70	130			
Sample ID: MB-R53296	Method Blank								07/22/05 12:40
Gross Alpha minus Rn & U	ND	pCi/L	1						
Sample ID: LCS-R53296	Laboratory Control Spike								07/22/05 12:40
Gross Alpha minus Rn & U	29.8	pCi/L	1.0	94	70	130			
Method: E903.0									Batch: RA226-1136
Sample ID: C05070582-001AMS	Matrix Spike								07/18/05 15:15
Radium 226	19.5	pCi/L	0.20	87.5	70	130			
Sample ID: C05070582-001AMSD	Matrix Spike Duplicate								07/18/05 15:15
Radium 226	22.2	pCi/L	0.20	100	70	130	13	29.1	
Sample ID: MB-RA226-1136	Method Blank								07/18/05 15:15
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-1136	Laboratory Control Spike								07/18/05 15:15
Radium 226	12	pCi/L	0.20	91.3	70	130			
Method: E904.0									Batch: RA228-0948
Sample ID: LCS-228-RA226-1136	Laboratory Control Spike								07/18/05 15:15
Radium 228	9.1	pCi/L	1.0	94.1	70	130			
Sample ID: MB-RA226-1136	Method Blank								07/18/05 15:15
Radium 228	ND	pCi/L	1						
Sample ID: C05070647-001AMS	Matrix Spike								07/18/05 15:15
Radium 228	15	pCi/L	1.0	94.8	70	130			
Sample ID: C05070647-001AMSD	Matrix Spike Duplicate								07/18/05 15:15
Radium 228	17	pCi/L	1.0	105	70	130	9.8	40.7	

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: 08/12/05

Work Order: C05070605

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: R53175
Sample ID: MB-R53175	Method Blank								07/20/05 10:30
Thorium 230	ND	pCi/L	0.2						
Sample ID: LCS-R53175	Laboratory Control Spike								07/20/05 10:30
Thorium 230	27.9	pCi/L	0.20	112	70	130			
Sample ID: C05070605-004AMS	Matrix Spike								07/20/05 10:30
Thorium 230	107	pCi/L	0.20	85.9	70	130			
Sample ID: C05070605-004AMSD	Matrix Spike Duplicate								07/20/05 10:30
Thorium 230	123	pCi/L	0.20	98.1	70	130	13	30	
Method: NERHL-65-4									Batch: R53093
Sample ID: MB-R53093	Method Blank								07/21/05 10:30
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R53093	Laboratory Control Spike								07/21/05 10:30
Lead 210	80	pCi/L	1.0	92.8	70	130			
Sample ID: C05070605-002DUP	Sample Duplicate								07/21/05 10:30
Lead 210	ND	pCi/L	1.0				0	30	
Sample ID: C05070605-003AMS	Matrix Spike								07/21/05 10:30
Lead 210	200	pCi/L	1.0	92.9	70	130			

Modifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



ANALYTICAL SUMMARY REPORT

August 25, 2005

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

Workorder No.: C05070909

Quote ID: C129 - Quarterly Long List

Project Name: Zone 1

Energy Laboratories Inc. received the following 7 samples from United Nuclear Corp on 7/22/2005 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C05070909-001	TWQ-142	07/18/05 08:54	07/22/05	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
C05070909-002	EPA-2	07/19/05 10:45	07/22/05	Aqueous	Same As Above
C05070909-003	EPA-2 Duplicate	07/19/05 11:04	07/22/05	Aqueous	Same As Above
C05070909-004	EPA-7	07/19/05 13:35	07/22/05	Aqueous	Same As Above
C05070909-005	EPA-5	07/19/05 14:04	07/22/05	Aqueous	Same As Above
C05070909-006	EPA-4	07/19/05 14:48	07/22/05	Aqueous	Same As Above
C05070909-007	Field Blank	07/19/05 15:50	07/22/05	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:


ROGER GARLAND
LABORATORY SUPERVISOR



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 08/25/05

Work Order: C05070909

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B							Batch: 050726_1_ALK-W		
Sample ID: MBLK1_050726_1	Method Blank								07/26/05 15:06
Bicarbonate as HCO ₃	ND	mg/L	1						
Sample ID: MBLK2_050726_1	Method Blank								07/26/05 18:53
Bicarbonate as HCO ₃	ND	mg/L	1						

Modifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Report Date: 08/25/05

Project: Zone 1

Work Order: C05070909

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C							Batch: 050725A-SLDS-TDS-W		
Sample ID: LCS1_050725A	Laboratory Control Spike								07/25/05 12:18
Solids, Total Dissolved TDS @ 180 C	992	mg/L	10	99.2	90	110			
Sample ID: MBLK1_050725A	Method Blank								07/26/05 10:08
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05070893-003AMS	Matrix Spike								07/25/05 12:20
Solids, Total Dissolved TDS @ 180 C	4400	mg/L	10	96.3	90	110			
Sample ID: C05070893-003AMSD	Matrix Spike Duplicate								07/25/05 12:20
Solids, Total Dissolved TDS @ 180 C	4430	mg/L	10	96.9	90	110	0.6	10	
Sample ID: C05070904-002ADUP	Sample Duplicate								07/25/05 12:23
Solids, Total Dissolved TDS @ 180 C	1440	mg/L	10				0.6	10	
Sample ID: C05070904-002AMS	Matrix Spike								07/25/05 12:23
Solids, Total Dissolved TDS @ 180 C	5360	mg/L	10	98.2	90	110			
Sample ID: C05070904-002AMSD	Matrix Spike Duplicate								07/25/05 12:23
Solids, Total Dissolved TDS @ 180 C	5380	mg/L	10	98.7	90	110	0.4	10	
Sample ID: LCS2_050725A	Laboratory Control Spike								07/25/05 12:23
Solids, Total Dissolved TDS @ 180 C	1030	mg/L	10	103	90	110			
Sample ID: MBLK2_050725A	Method Blank								07/25/05 12:24
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05070910-001DMS	Matrix Spike								07/25/05 12:27
Solids, Total Dissolved TDS @ 180 C	8160	mg/L	10	99.8	90	110			
Sample ID: C05070910-001DMSD	Matrix Spike Duplicate								07/25/05 12:28
Solids, Total Dissolved TDS @ 180 C	8180	mg/L	10	100	90	110	0.3	10	
Sample ID: C05070911-001BDUP	Sample Duplicate								07/25/05 12:34
Solids, Total Dissolved TDS @ 180 C	896	mg/L	10				0.4	10	
Sample ID: C05070911-001BMS	Matrix Spike								07/25/05 12:34
Solids, Total Dissolved TDS @ 180 C	4800	mg/L	10	97.6	90	110			
Sample ID: C05070911-001BMSD	Matrix Spike Duplicate								07/25/05 12:34
Solids, Total Dissolved TDS @ 180 C	4810	mg/L	10	97.8	90	110	0.2	10	
Sample ID: LCS3_050725A	Laboratory Control Spike								07/25/05 12:35
Solids, Total Dissolved TDS @ 180 C	1030	mg/L	10	103	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: 08/25/05

Work Order: C05070909

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C			Batch: 050725A-SLDS-TDS-W						
Sample ID: MBLK3_050725A	Method Blank								07/26/05 10:09
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05070943-001AMS	Matrix Spike								07/25/05 12:42
Solids, Total Dissolved TDS @ 180 C	3520	mg/L	10	98.1	90	110			
Sample ID: C05070943-001AMSD	Matrix Spike Duplicate								07/25/05 12:42
Solids, Total Dissolved TDS @ 180 C	3520	mg/L	10	98.3	90	110	0.2	10	
Sample ID: C05070943-005ADUP	Sample Duplicate								07/26/05 10:10
Solids, Total Dissolved TDS @ 180 C	292	mg/L	10				5.3	10	
Sample ID: C05070943-005AMS	Matrix Spike								07/25/05 15:07
Solids, Total Dissolved TDS @ 180 C	5140	mg/L	10	96.6	90	110			
Sample ID: C05070943-005AMSD	Matrix Spike Duplicate								07/25/05 15:08
Solids, Total Dissolved TDS @ 180 C	5140	mg/L	10	96.7	90	110	0	10	
Sample ID: LCS4_050725A	Laboratory Control Spike								07/25/05 15:08
Solids, Total Dissolved TDS @ 180 C	1020	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: 08/25/05
Work Order: C05070909

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: ASIII3114-050725		
Sample ID: MBLK	Method Blank								07/25/05 09:32
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05070909-001A MS	Matrix Spike								07/25/05 10:01
Arsenic-III	0.0487	mg/L	0.0010	97.4	85	115			
Sample ID: C05070909-001A MSD	Matrix Spike Duplicate								07/25/05 10:03
Arsenic-III	0.0469	mg/L	0.0010	93.7	85	115	3.8	10	
Sample ID: C265-67-5	Laboratory Control Spike								07/25/05 10:05
Arsenic-III	0.0571	mg/L	0.0010	95.2	90	110			
Sample ID: MBLK	Method Blank								07/25/05 10:24
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05070910-004A MS	Matrix Spike								07/25/05 10:44
Arsenic-III	0.0531	mg/L	0.0010	102	85	115			
Sample ID: C05070910-004A MSD	Matrix Spike Duplicate								07/25/05 10:46
Arsenic-III	0.0517	mg/L	0.0010	98.9	85	115	2.7	10	
Sample ID: C265-67-5	Laboratory Control Spike								07/25/05 10:48
Arsenic-III	0.0563	mg/L	0.0010	93.8	90	110			
Sample ID: MBLK	Method Blank								07/25/05 10:52
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: 08/25/05

Work Order: C05070909

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: SEIV3114-050725		
Sample ID: MBLK	Method Blank								07/25/05 14:40
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05070909-001A MS	Matrix Spike								07/25/05 15:01
Selenium-IV	0.0526	mg/L	0.0010	105	85	115			
Sample ID: C05070909-001A MSD	Matrix Spike Duplicate								07/25/05 15:03
Selenium-IV	0.0523	mg/L	0.0010	105	85	115	0.5	10	
Sample ID: C265-67-5	Laboratory Control Spike								07/25/05 15:05
Selenium-IV	0.0540	mg/L	0.0010	108	90	110			
Sample ID: MBLK	Method Blank								07/25/05 15:11
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05070910-004A MS	Matrix Spike								07/25/05 15:31
Selenium-IV	0.0488	mg/L	0.0010	97.7	85	115			
Sample ID: C05070910-004A MSD	Matrix Spike Duplicate								07/25/05 15:33
Selenium-IV	0.0485	mg/L	0.0010	97.1	85	115	0.6	10	
Sample ID: C265-67-5	Laboratory Control Spike								07/25/05 15:34
Selenium-IV	0.0539	mg/L	0.0010	108	90	110			
Sample ID: MBLK	Method Blank								07/25/05 15:38
Selenium-IV	ND	mg/L	0.0002						
Method: A4500-H B							Batch: PHSC050725A		
Sample ID: C05070902-002ADUP	Sample Duplicate								07/25/05 12:48
pH	7.71	s.u.	0.010				0.1	10	
Sample ID: C05070906-006ADUP	Sample Duplicate								07/25/05 13:01
pH	8.04	s.u.	0.010				0.4	10	
Sample ID: C05070910-001DDUP	Sample Duplicate								07/25/05 13:23
pH	6.71	s.u.	0.010				0.1	10	
Sample ID: C05070914-001ADUP	Sample Duplicate								07/25/05 13:34
pH	7.85	s.u.	0.010				0.1	10	
Sample ID: C05070931-003ADUP	Sample Duplicate								07/25/05 13:45
pH	7.84	s.u.	0.010				0.3	10	

Modifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 08/25/05

Work Order: C05070909

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G			Batch: A2005-07-28_1_NH3_01						
Sample ID: MBLK-1	Method Blank								07/28/05 12:18
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05070833-002BMS	Matrix Spike								07/28/05 12:32
Nitrogen, Ammonia as N	2.67	mg/L	0.050	104	80	120			
Sample ID: C05070833-002BMSD	Matrix Spike Duplicate								07/28/05 12:33
Nitrogen, Ammonia as N	2.69	mg/L	0.050	105	80	120	0.7	20	
Sample ID: MBLK-17	Method Blank								07/28/05 12:54
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05070909-006CMS	Matrix Spike								07/28/05 13:05
Nitrogen, Ammonia as N	3.27	mg/L	0.050	117	80	120			
Sample ID: C05070909-006CMSD	Matrix Spike Duplicate								07/28/05 13:07
Nitrogen, Ammonia as N	3.24	mg/L	0.050	115	80	120	0.9	20	
Sample ID: MBLK-32	Method Blank								07/28/05 13:24
Nitrogen, Ammonia as N	0.03	mg/L	0.02						
Sample ID: C05070910-010CMS	Matrix Spike								07/28/05 13:37
Nitrogen, Ammonia as N	4.59	mg/L	0.050	110	80	120			
Sample ID: C05070910-010CMSD	Matrix Spike Duplicate								07/28/05 13:39
Nitrogen, Ammonia as N	4.79	mg/L	0.050	118	80	120	4.3	20	
Sample ID: MBLK-48	Method Blank								07/28/05 14:00
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05071063-006BMS	Matrix Spike								07/28/05 14:12
Nitrogen, Ammonia as N	1.91	mg/L	0.050	94.5	80	120			
Sample ID: C05071063-006BMSD	Matrix Spike Duplicate								07/28/05 14:13
Nitrogen, Ammonia as N	1.78	mg/L	0.050	88	80	120	7.0	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: 08/25/05

Work Order: C05070909

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R53446		
Sample ID: LFB-010305D-01 Laboratory Fortified Blank							08/01/05 11:16		
Aluminum	0.954	mg/L	0.10	95.4	85	125			
Calcium	51.2	mg/L	0.50	102	85	125			
Cobalt	0.970	mg/L	0.011	97	85	125			
Lead	0.996	mg/L	0.050	99.6	85	125			
Magnesium	51.4	mg/L	0.50	103	85	125			
Manganese	0.989	mg/L	0.010	98.9	85	125			
Molybdenum	0.990	mg/L	0.10	99	85	125			
Potassium	49.5	mg/L	0.50	98.9	85	125			
Sodium	49.8	mg/L	0.50	99.6	85	125			
Sulfate	0.294	mg/L	1.0	0	85	125			
Vanadium	1.01	mg/L	0.10	101	85	125			
Sample ID: C05070909-001AMS1 Matrix Spike							08/01/05 11:34		
Calcium	505	mg/L	0.57	96.5	70	130			
Magnesium	494	mg/L	0.53	96.9	70	130			
Potassium	478	mg/L	0.52	95.6	70	130			
Sodium	794	mg/L	0.62	96.1	70	130			
Sample ID: C05070909-001AMS2 Matrix Spike							08/01/05 11:38		
Aluminum	8.99	mg/L	0.10	89.2	70	130			
Cobalt	9.28	mg/L	0.11	92.8	70	130			
Lead	10.1	mg/L	0.35	97.1	70	130			
Manganese	9.19	mg/L	0.010	91.9	70	130			
Molybdenum	9.13	mg/L	0.79	91.3	70	130			
Vanadium	9.16	mg/L	0.10	91.6	70	130			
Sample ID: C05070909-001AMSD1 Matrix Spike Duplicate							08/01/05 11:44		
Calcium	552	mg/L	0.57	106	70	130	8.9	20	
Magnesium	539	mg/L	0.53	106	70	130	8.6	20	
Potassium	526	mg/L	0.52	105	70	130	9.5	20	
Sodium	838	mg/L	0.62	105	70	130	5.4	20	
Sample ID: C05070909-001AMSD2 Matrix Spike Duplicate							08/01/05 11:47		
Aluminum	9.31	mg/L	0.10	92.4	70	130	3.5	20	
Cobalt	9.63	mg/L	0.11	96.3	70	130	3.7	20	
Lead	9.43	mg/L	0.35	90.2	70	130	7.1	20	
Manganese	9.64	mg/L	0.010	96.4	70	130	4.8	20	
Molybdenum	9.48	mg/L	0.79	94.8	70	130	3.8	20	
Vanadium	9.63	mg/L	0.10	96.3	70	130	5.0	20	

Modifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 08/25/05

Work Order: C05070909

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R53446		
Sample ID: C05070909-007AMS1	Matrix Spike								08/01/05 12:44
Calcium	47.9	mg/L	0.50	95.5	70	130			
Magnesium	49.0	mg/L	0.50	97.8	70	130			
Potassium	48.5	mg/L	0.50	96.9	70	130			
Sodium	52.1	mg/L	0.50	97	70	130			
Sample ID: C05070909-007AMS2	Matrix Spike								08/01/05 12:47
Cobalt	1.02	mg/L	0.011	102	70	130			
Lead	1.09	mg/L	0.050	100	70	130			
Manganese	1.01	mg/L	0.010	101	70	130			
Vanadium	1.03	mg/L	0.10	103	70	130			
Sample ID: C05070909-007AMS3	Matrix Spike								08/01/05 12:50
Sulfate	90.7	mg/L	1.0	89.8	70	130			
Sample ID: C05070909-007AMSD1	Matrix Spike Duplicate								08/01/05 12:53
Calcium	50.5	mg/L	0.50	101	70	130	5.2	20	
Magnesium	51.4	mg/L	0.50	103	70	130	4.8	20	
Potassium	51.0	mg/L	0.50	102	70	130	5.1	20	
Sodium	55.0	mg/L	0.50	103	70	130	5.4	20	
Sample ID: C05070909-007AMSD3	Matrix Spike Duplicate								08/01/05 13:00
Sulfate	91.5	mg/L	1.0	90.6	70	130	0.9	20	
Sample ID: C05070910-004AMS1	Matrix Spike								08/01/05 15:06
Calcium	1170	mg/L	0.57	93.2	70	130			
Magnesium	616	mg/L	0.53	93	70	130			
Potassium	467	mg/L	0.52	92.5	70	130			
Sodium	641	mg/L	0.62	97.6	70	130			
Sample ID: C05070910-004AMS2	Matrix Spike								08/01/05 15:18
Cobalt	9.39	mg/L	0.11	93.9	70	130			
Lead	9.72	mg/L	0.35	97.2	70	130			
Manganese	11.4	mg/L	0.010	92.5	70	130			
Molybdenum	9.66	mg/L	0.79	96.6	70	130			
Vanadium	9.49	mg/L	0.10	94.9	70	130			
Sample ID: C05070910-004AMSD1	Matrix Spike Duplicate								08/01/05 15:24
Calcium	1170	mg/L	0.57	92	70	130	0.5	20	
Magnesium	614	mg/L	0.53	92.6	70	130	0.3	20	
Potassium	469	mg/L	0.52	93	70	130	0.5	20	
Sodium	648	mg/L	0.62	99	70	130	1.1	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: 08/25/05

Work Order: C05070909

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R53446
Sample ID: C05070910-004AMSD2 Matrix Spike Duplicate									08/01/05 15:27
Cobalt	9.33	mg/L	0.11	93.3	70	130	0.6	20	
Lead	9.81	mg/L	0.35	98.1	70	130	0.9	20	
Manganese	11.2	mg/L	0.010	90.5	70	130	1.8	20	
Molybdenum	9.52	mg/L	0.79	95.2	70	130	1.5	20	
Vanadium	9.29	mg/L	0.10	92.9	70	130	2.1	20	

Modifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 08/25/05

Work Order: C05070909

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									
Batch: R53500									
Sample ID: LRB	Method Blank								08/02/05 16:22
Aluminum	ND	mg/L	0.0002						
Beryllium	ND	mg/L	0.00003						
Cadmium	ND	mg/L	0.0002						
Lead	ND	mg/L	0.00002						
Nickel	ND	mg/L	0.00008						
Uranium	ND	mg/L	0.00004						
Sample ID: LFB	Laboratory Fortified Blank								08/02/05 16:29
Aluminum	0.0494	mg/L	0.0010	98.8	85	115			
Beryllium	0.0484	mg/L	0.0010	96.8	85	115			
Cadmium	0.0508	mg/L	0.0010	102	85	115			
Lead	0.0513	mg/L	0.0010	103	85	115			
Nickel	0.0502	mg/L	0.0010	100	85	115			
Uranium	0.0508	mg/L	0.00030	102	85	115			
Sample ID: C05071153-001BMS4	Post Digestion Spike								08/02/05 20:01
Aluminum	0.544	mg/L	0.10	106	70	130			
Cadmium	0.504	mg/L	0.010	101	70	130			
Lead	0.514	mg/L	0.050	103	70	130			
Nickel	0.507	mg/L	0.050	98.4	70	130			
Uranium	0.518	mg/L	0.00035	103	70	130			
Sample ID: C05071153-001BMSD4	Post Digestion Spike Dup								08/02/05 20:08
Aluminum	0.549	mg/L	0.10	107	70	130	0.9	20	
Cadmium	0.509	mg/L	0.010	102	70	130	0.9	20	
Lead	0.517	mg/L	0.050	103	70	130	0.5	20	
Nickel	0.515	mg/L	0.050	99.9	70	130	1.5	20	
Uranium	0.522	mg/L	0.00035	104	70	130	0.8	20	
Sample ID: C05070963-001BMS4	Post Digestion Spike								08/02/05 22:28
Aluminum	0.048	mg/L	0.10	94.7	70	130			
Beryllium	0.049	mg/L	0.0010	98.9	70	130			
Cadmium	0.049	mg/L	0.0010	98.4	70	130			
Lead	0.051	mg/L	0.0010	100	70	130			
Nickel	0.049	mg/L	0.050	95	70	130			
Uranium	0.087	mg/L	0.00030	103	70	130			
Sample ID: C05070963-001BMSD4	Post Digestion Spike Dup								08/02/05 22:34
Aluminum	0.049	mg/L	0.10	96.7	70	130	0	20	
Beryllium	0.051	mg/L	0.0010	102	70	130	3.6	20	
Cadmium	0.050	mg/L	0.0010	99.1	70	130	0.7	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: 08/25/05

Work Order: C05070909

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R53500
Sample ID: C05070963-001BMSD4 Post Digestion Spike Dup									08/02/05 22:34
Lead	0.051	mg/L	0.0010	101	70	130	0.4	20	
Nickel	0.049	mg/L	0.050	95.5	70	130	0	20	
Uranium	0.088	mg/L	0.00030	104	70	130	0.6	20	
Sample ID: C05071168-001CMS4 Post Digestion Spike									08/02/05 23:41
Aluminum	0.575	mg/L	0.10	101	70	130			
Beryllium	0.517	mg/L	0.010	103	70	130			
Cadmium	0.512	mg/L	0.010	102	70	130			
Nickel	0.528	mg/L	0.050	106	70	130			
Sample ID: C05071168-001CMSD4 Post Digestion Spike Dup									08/02/05 23:47
Aluminum	0.576	mg/L	0.10	101	70	130	0.2	20	
Beryllium	0.513	mg/L	0.010	103	70	130	0.8	20	
Cadmium	0.510	mg/L	0.010	101	70	130	0.3	20	
Nickel	0.525	mg/L	0.050	105	70	130	0.6	20	
Sample ID: C05071220-001CMS4 Post Digestion Spike									08/03/05 01:27
Aluminum	0.0548	mg/L	0.10	101	70	130			
Beryllium	0.0548	mg/L	0.010	110	70	130			
Cadmium	0.0499	mg/L	0.010	99.8	70	130			
Nickel	0.0521	mg/L	0.050	96.8	70	130			
Sample ID: C05071220-001CMSD4 Post Digestion Spike Dup									08/03/05 01:33
Aluminum	0.0523	mg/L	0.10	96.4	70	130	0	20	
Beryllium	0.0507	mg/L	0.010	101	70	130	7.7	20	
Cadmium	0.0486	mg/L	0.010	97.3	70	130	2.6	20	
Nickel	0.0508	mg/L	0.050	94.2	70	130	2.5	20	
Sample ID: C05070909-001AMS4 Post Digestion Spike									08/03/05 04:47
Aluminum	0.0529	mg/L	0.10	93.5	70	130			
Beryllium	0.0466	mg/L	0.010	93.1	70	130			
Cadmium	0.0477	mg/L	0.010	95.4	70	130			
Lead	0.0518	mg/L	0.050	103	70	130			
Nickel	0.0477	mg/L	0.050	94	70	130			
Uranium	0.0547	mg/L	0.00030	109	70	130			
Sample ID: C05070909-001AMSD4 Post Digestion Spike Dup									08/03/05 05:20
Aluminum	0.0532	mg/L	0.10	94.1	70	130	0	20	
Beryllium	0.0467	mg/L	0.010	93.3	70	130	0.2	20	
Cadmium	0.0476	mg/L	0.010	95.2	70	130	0.2	20	
Lead	0.0515	mg/L	0.050	103	70	130	0.5	20	
Nickel	0.0472	mg/L	0.050	93.1	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: 08/25/05

Work Order: C05070909

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R53500
Sample ID: C05070909-001AMSD4 Post Digestion Spike Dup									08/03/05 05:20
Uranium	0.0548	mg/L	0.00030	109	70	130	0.2	20	
Sample ID: C05070910-004AMS4 Post Digestion Spike									08/03/05 07:13
Aluminum	0.258	mg/L	0.10	99.7	70	130			
Beryllium	0.240	mg/L	0.010	95.8	70	130			
Cadmium	0.243	mg/L	0.010	97.1	70	130			
Lead	0.254	mg/L	0.050	102	70	130			
Nickel	0.260	mg/L	0.050	98.9	70	130			
Uranium	0.387	mg/L	0.00030	104	70	130			
Sample ID: C05070910-004AMSD4 Post Digestion Spike Dup									08/03/05 07:19
Aluminum	0.252	mg/L	0.10	97.3	70	130	2.4	20	
Beryllium	0.242	mg/L	0.010	96.8	70	130	1.1	20	
Cadmium	0.242	mg/L	0.010	96.8	70	130	0.3	20	
Lead	0.252	mg/L	0.050	101	70	130	1.1	20	
Nickel	0.262	mg/L	0.050	99.6	70	130	0.7	20	
Uranium	0.384	mg/L	0.00030	103	70	130	0.8	20	
Sample ID: C05071168-001CMS4 Post Digestion Spike									08/03/05 10:22
Aluminum	0.566	mg/L	0.10	99.6	70	130			
Beryllium	0.481	mg/L	0.010	96.1	70	130			
Cadmium	0.507	mg/L	0.010	101	70	130			
Lead	0.498	mg/L	0.050	99.4	70	130			
Nickel	0.539	mg/L	0.050	104	70	130			
Uranium	0.652	mg/L	0.00035	130	70	130			S
- Matrix spike recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: C05071168-001CMSD4 Post Digestion Spike Dup									08/03/05 10:28
Aluminum	0.616	mg/L	0.10	110	70	130	8.5	20	
Beryllium	0.474	mg/L	0.010	94.8	70	130	1.4	20	
Cadmium	0.508	mg/L	0.010	101	70	130	0.1	20	
Lead	0.561	mg/L	0.050	112	70	130	12	20	
Nickel	0.530	mg/L	0.050	102	70	130	1.7	20	
Uranium	0.642	mg/L	0.00035	128	70	130	1.6	20	

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 08/25/05

Work Order: C05070909

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2			Batch: A2005-07-25_1_NO3_01						
Sample ID: MBLK-1	Method Blank								07/25/05 10:21
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05070892-002BMS	Matrix Spike								07/25/05 10:39
Nitrogen, Nitrate+Nitrite as N	2.06	mg/L	0.10	103	90	110			
Sample ID: C05070892-002BMSD	Matrix Spike Duplicate								07/25/05 10:41
Nitrogen, Nitrate+Nitrite as N	2.10	mg/L	0.10	105	90	110	1.9	10	
Sample ID: MBLK-17	Method Blank								07/25/05 11:01
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05070906-007CMS	Matrix Spike								07/25/05 11:16
Nitrogen, Nitrate+Nitrite as N	2.14	mg/L	0.10	107	90	110			
Sample ID: C05070906-007CMSD	Matrix Spike Duplicate								07/25/05 11:19
Nitrogen, Nitrate+Nitrite as N	2.04	mg/L	0.10	102	90	110	4.8	10	
Sample ID: MBLK-32	Method Blank								07/25/05 11:39
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05070926-002EMS	Matrix Spike								07/25/05 11:56
Nitrogen, Nitrate+Nitrite as N	2.01	mg/L	0.10	101	90	110			
Sample ID: C05070926-002EMSD	Matrix Spike Duplicate								07/25/05 11:59
Nitrogen, Nitrate+Nitrite as N	2.07	mg/L	0.10	104	90	110	2.9	10	
Sample ID: MBLK-48	Method Blank								07/25/05 12:19
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						

Modifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 08/25/05

Work Order: C05070909

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2			Batch: A2005-07-27_1_NO3_01						
Sample ID: MBLK-1	Method Blank								07/27/05 08:05
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05070910-003CMS	Matrix Spike								07/27/05 08:23
Nitrogen, Nitrate+Nitrite as N	1.90	mg/L	0.10	95	90	110			
Sample ID: C05070910-003CMSD	Matrix Spike Duplicate								07/27/05 08:25
Nitrogen, Nitrate+Nitrite as N	1.96	mg/L	0.10	98	90	110	3.1	10	
Sample ID: MBLK-17	Method Blank								07/27/05 08:45
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05070959-001AMS	Matrix Spike								07/27/05 09:00
Nitrogen, Nitrate+Nitrite as N	3.28	mg/L	0.10	103	90	110			
Sample ID: C05070959-001AMS D	Matrix Spike Duplicate								07/27/05 09:03
Nitrogen, Nitrate+Nitrite as N	3.31	mg/L	0.10	104	90	110	0.9	10	
Sample ID: MBLK-32	Method Blank								07/27/05 09:23
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05070960-001CMS	Matrix Spike								07/27/05 09:40
Nitrogen, Nitrate+Nitrite as N	2.02	mg/L	0.10	94.5	90	110			
Sample ID: C05070960-001CMS D	Matrix Spike Duplicate								07/27/05 09:43
Nitrogen, Nitrate+Nitrite as N	1.97	mg/L	0.10	92	90	110	2.5	10	
Sample ID: MBLK-48	Method Blank								07/27/05 10:03
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05070998-005CMS	Matrix Spike								07/27/05 10:18
Nitrogen, Nitrate+Nitrite as N	2.03	mg/L	0.10	102	90	110			
Sample ID: C05070998-005CMS D	Matrix Spike Duplicate								07/27/05 10:20
Nitrogen, Nitrate+Nitrite as N	2.11	mg/L	0.10	106	90	110	3.9	10	
Sample ID: MBLK-63	Method Blank								07/27/05 10:40
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05071041-007AMS	Matrix Spike								07/27/05 10:58
Nitrogen, Nitrate+Nitrite as N	11.7	mg/L	0.15	98.2	90	110			
Sample ID: C05071041-007AMS D	Matrix Spike Duplicate								07/27/05 11:00
Nitrogen, Nitrate+Nitrite as N	12.1	mg/L	0.15	102	90	110	3.4	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: 08/25/05

Work Order: C05070909

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2			Batch: A2005-07-27_1_NO3_01						
Sample ID: MBLK-79	Method Blank		07/27/05 11:20						
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Method: E624			Batch: R53209						
Sample ID: 26-Jul-05_LCS_3	Laboratory Control Spike		07/26/05 09:35						
Chloroform	5.04	ug/L	1.0	101	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	100	80	120			
Surr: Dibromofluoromethane			1.0	102	70	130			
Surr: p-Bromofluorobenzene			1.0	101	75	125			
Surr: Toluene-d8			1.0	96.4	80	120			
Sample ID: 26-Jul-05_MBLK_6	Method Blank		07/26/05 11:26						
Chloroform	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			0.5	105	80	120			
Surr: Dibromofluoromethane			0.5	101	70	130			
Surr: p-Bromofluorobenzene			0.5	100	75	125			
Surr: Toluene-d8			0.5	95.6	80	120			
Sample ID: C05070767-002GMS	Matrix Spike		07/26/05 22:35						
Chloroform	96.8	ug/L	5.0	96.8	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	102	80	120			
Surr: Dibromofluoromethane			5.0	95.2	70	130			
Surr: p-Bromofluorobenzene			5.0	104	75	125			
Surr: Toluene-d8			5.0	97.6	80	120			
Sample ID: C05070767-002GMSD	Matrix Spike Duplicate		07/26/05 23:13						
Chloroform	94.4	ug/L	5.0	94.4	70	130	2.5	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	104	80	120	0	10	
Surr: Dibromofluoromethane			5.0	93.6	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	108	75	125	0	10	
Surr: Toluene-d8			5.0	97.6	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: 08/25/05

Work Order: C05070909

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1									Batch: R53392
Sample ID: C05070773-001B	Sample Duplicate								07/26/05 11:35
Gross Alpha minus Rn & U	16.6	pCi/L	1.0				2.4	30	
Sample ID: C05070773-002B	Matrix Spike								07/26/05 11:35
Gross Alpha minus Rn & U	31.9	pCi/L	1.0	83.9	70	130			
Sample ID: MB-R53392	Method Blank								07/26/05 11:35
Gross Alpha minus Rn & U	ND	pCi/L	1						
Sample ID: LCS-R53392	Laboratory Control Spike								07/26/05 11:35
Gross Alpha minus Rn & U	30.1	pCi/L	1.0	95	70	130			
Method: E903.0									Batch: RA226-1152
Sample ID: C05070909-001ADUP	Sample Duplicate								07/25/05 14:05
Radium 226	ND	pCi/L	0.20				0	632.8	
Sample ID: C05070909-007AMS	Matrix Spike								07/25/05 14:05
Radium 226	22	pCi/L	0.20	102	70	130			
Sample ID: MB-RA226-1152	Method Blank								07/25/05 14:05
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-1152	Laboratory Control Spike								07/25/05 14:05
Radium 226	12	pCi/L	0.20	96.3	70	130			
Method: E904.0									Batch: RA228-0960
Sample ID: LCS-228-RA226-1152	Laboratory Control Spike								07/25/05 14:05
Radium 228	7.0	pCi/L	1.0	73.2	70	130			
Sample ID: MB-RA226-1152	Method Blank								07/25/05 14:05
Radium 228	ND	pCi/L	1						
Sample ID: C05070909-001ADUP	Sample Duplicate								07/25/05 14:05
Radium 228	ND	pCi/L	1.0				0	227.9	
Sample ID: C05070910-005AMS	Matrix Spike								07/25/05 14:05
Radium 228	23	pCi/L	1.0	109	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: 08/25/05

Work Order: C05070909

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: R54334
Sample ID: MB-R54334	Method Blank								08/17/05 10:30
Thorium 230	ND	pCi/L	0.2						
Sample ID: LCS-R54334	Laboratory Control Spike								08/17/05 10:30
Thorium 230	24.8	pCi/L	0.20	99.2	70	130			
Sample ID: C05080224-002BMS	Matrix Spike								08/17/05 10:30
Thorium 230	165	pCi/L	0.20	111	70	130			
Sample ID: C05080224-002BMSD	Matrix Spike Duplicate								08/17/05 10:30
Thorium 230	136	pCi/L	0.20	109	70	130	19	30	
Method: NERHL-65-4									Batch: 05PB-28
Sample ID: C05070773-001B	Sample Duplicate								07/28/05 01:31
Lead 210	ND	pCi/L	1.0		70	130	0	30	
Sample ID: C05070909-007A	Sample Duplicate								07/28/05 01:31
Lead 210	ND	pCi/L	1.0		70	130	0	30	
Sample ID: MB	Method Blank								07/28/05 01:31
Lead 210	ND	pCi/L	1						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



ANALYTICAL SUMMARY REPORT

August 09, 2005

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

Workorder No.: C05070604

Quote ID: C129 - Quarterly Long List

Project Name: Zone 3

Energy Laboratories Inc. received the following 2 samples from United Nuclear Corp on 7/15/2005 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C05070604-001	613	07/12/05 14:47	07/15/05	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
C05070604-002	517	07/12/05 15:20	07/15/05	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:


ROGER GARLING
LABORATORY SUPERVISOR



QA/QC Summary Report

Client: United Nuclear Corp

Report Date: 08/09/05

Project: Zone 3

Work Order: C05070604

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B							Batch: 050721_1_ALK-W		
Sample ID: MBLK1_050721_1	Method Blank								07/21/05 08:51
Bicarbonate as HCO ₃	ND	mg/L	1						
Sample ID: MBLK2_050721_1	Method Blank								07/21/05 12:42
Bicarbonate as HCO ₃	ND	mg/L	1						
Sample ID: LFB1_050721_1	Laboratory Fortified Blank								07/21/05 15:30
Bicarbonate as HCO ₃	109	mg/L	1.0	0	0	0			

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: 08/09/05
Work Order: C05070604

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C		Batch: 050718A-SLDS-TDS-W							
Sample ID: LCS1_050718A	Laboratory Control Spike								07/18/05 09:07
Solids, Total Dissolved TDS @ 180 C	948	mg/L	10	94.8	90	110			
Sample ID: MBLK1_050718A	Method Blank								07/19/05 09:39
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05070528-006AMS	Matrix Spike								07/18/05 09:10
Solids, Total Dissolved TDS @ 180 C	4100	mg/L	10	96.7	90	110			
Sample ID: C05070528-006AMSD	Matrix Spike Duplicate								07/18/05 09:10
Solids, Total Dissolved TDS @ 180 C	4130	mg/L	10	97.6	90	110	0.8	10	
Sample ID: C05070545-003ADUP	Sample Duplicate								07/18/05 09:14
Solids, Total Dissolved TDS @ 180 C	35100	mg/L	10				1.1	10	
Sample ID: C05070545-003AMS	Matrix Spike								07/18/05 09:14
Solids, Total Dissolved TDS @ 180 C	59500	mg/L	10	96.1	90	110			
Sample ID: C05070545-003AMSD	Matrix Spike Duplicate								07/18/05 09:14
Solids, Total Dissolved TDS @ 180 C	60400	mg/L	10	99.4	90	110	1.4	10	
Sample ID: LCS2_050718A	Laboratory Control Spike								07/18/05 09:15
Solids, Total Dissolved TDS @ 180 C	992	mg/L	10	99.2	90	110			
Sample ID: MBLK2_050718A	Method Blank								07/19/05 09:39
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05070560-004DMS	Matrix Spike								07/18/05 10:22
Solids, Total Dissolved TDS @ 180 C	4520	mg/L	10	97.2	90	110			
Sample ID: C05070560-004DMSD	Matrix Spike Duplicate								07/18/05 10:22
Solids, Total Dissolved TDS @ 180 C	4510	mg/L	10	96.8	90	110	0.4	10	
Sample ID: C05070571-002ADUP	Sample Duplicate								07/18/05 10:27
Solids, Total Dissolved TDS @ 180 C	336	mg/L	10				3.6	10	
Sample ID: C05070571-002AMS	Matrix Spike								07/18/05 10:27
Solids, Total Dissolved TDS @ 180 C	4230	mg/L	10	97.7	90	110			
Sample ID: C05070571-002AMSD	Matrix Spike Duplicate								07/18/05 10:27
Solids, Total Dissolved TDS @ 180 C	4280	mg/L	10	99	90	110	1.2	10	
Sample ID: LCS3_050718A	Laboratory Control Spike								07/18/05 10:28
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: 08/09/05

Work Order: C05070604

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C			Batch: 050718A-SLDS-TDS-W						
Sample ID: MBLK3_050718A	Method Blank								07/18/05 10:28
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05070581-004AMS	Matrix Spike								07/18/05 11:46
Solids, Total Dissolved TDS @ 180 C	4140	mg/L	10	98	90	110			
Sample ID: C05070581-004AMSD	Matrix Spike Duplicate								07/18/05 11:46
Solids, Total Dissolved TDS @ 180 C	4130	mg/L	10	97.7	90	110	0.3	10	
Sample ID: C05070588-004ADUP	Sample Duplicate								07/18/05 11:50
Solids, Total Dissolved TDS @ 180 C	391	mg/L	10				1.1	10	
Sample ID: C05070588-004AMSD	Matrix Spike Duplicate								07/18/05 11:50
Solids, Total Dissolved TDS @ 180 C	4560	mg/L	10	96	90	110	9.6	10	
Sample ID: LCS4_050718A	Laboratory Control Spike								07/18/05 11:51
Solids, Total Dissolved TDS @ 180 C	1020	mg/L	10	102	90	110			
Sample ID: MBLK4_050718A	Method Blank								07/19/05 09:40
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05070589-008AMS	Matrix Spike								07/18/05 13:06
Solids, Total Dissolved TDS @ 180 C	16700	mg/L	10	97.7	90	110			
Sample ID: C05070589-008AMSD	Matrix Spike Duplicate								07/18/05 13:06
Solids, Total Dissolved TDS @ 180 C	16800	mg/L	10	98.1	90	110	0.2	10	
Sample ID: C05070603-005BDUP	Sample Duplicate								07/18/05 13:11
Solids, Total Dissolved TDS @ 180 C	8200	mg/L	10				0.1	10	
Sample ID: LCS5_050718A	Laboratory Control Spike								07/18/05 13:11
Solids, Total Dissolved TDS @ 180 C	1040	mg/L	10	104	90	110			
Sample ID: MBLK5_050718A	Method Blank								07/18/05 13:12
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05070603-015BMS	Matrix Spike								07/18/05 16:01
Solids, Total Dissolved TDS @ 180 C	8000	mg/L	10	98.4	90	110			
Sample ID: C05070603-015BMDS	Matrix Spike Duplicate								07/18/05 16:01
Solids, Total Dissolved TDS @ 180 C	7980	mg/L	10	98	90	110	0.2	10	
Sample ID: C05070605-004BDUP	Sample Duplicate								07/18/05 16:05
Solids, Total Dissolved TDS @ 180 C	16.0	mg/L	10				0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Report Date: 08/09/05

Project: Zone 3

Work Order: C05070604

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C							Batch: 050718A-SLDS-TDS-W		
Sample ID: C05070605-004BMS	Matrix Spike								07/18/05 16:07
Solids, Total Dissolved TDS @ 180 C	4900	mg/L	10	97.7	90	110			
Sample ID: C05070605-004BMSD	Matrix Spike Duplicate								07/18/05 16:10
Solids, Total Dissolved TDS @ 180 C	4870	mg/L	10	97.2	90	110	0.5	10	
Sample ID: LCS6_050718A	Laboratory Control Spike								07/18/05 16:30
Solids, Total Dissolved TDS @ 180 C	1010	mg/L	10	101	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: 08/09/05

Work Order: C05070604

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: AS3114-050718b		
Sample ID: MBLK	Method Blank								07/18/05 13:22
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05070603-001AMS	Matrix Spike								07/18/05 13:43
Arsenic-III	0.0424	mg/L	0.0010	106	85	115			
Sample ID: C05070603-001AMSD	Matrix Spike Duplicate								07/18/05 13:45
Arsenic-III	0.0424	mg/L	0.0010	106	85	115	0	10	
Sample ID: C265-67-5	Laboratory Control Spike								07/18/05 13:47
Arsenic-III	0.0522	mg/L	0.0010	104	90	110			
Sample ID: MBLK	Method Blank								07/18/05 13:53
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05070603-011AMS	Matrix Spike								07/18/05 14:15
Arsenic-III	0.0428	mg/L	0.0010	107	85	115			
Sample ID: C05070603-011AMSD	Matrix Spike Duplicate								07/18/05 14:17
Arsenic-III	0.0415	mg/L	0.0010	104	85	115	3.0	10	
Sample ID: C265-67-5	Laboratory Control Spike								07/18/05 14:18
Arsenic-III	0.0503	mg/L	0.0010	101	90	110			
Sample ID: MBLK	Method Blank								07/18/05 14:24
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05070605-003AMS	Matrix Spike								07/18/05 14:30
Arsenic-III	0.0447	mg/L	0.0010	112	85	115			
Sample ID: C05070605-003AMSD	Matrix Spike Duplicate								07/18/05 14:32
Arsenic-III	0.0441	mg/L	0.0010	110	85	115	1.5	10	
Sample ID: C265-67-5	Laboratory Control Spike								07/18/05 14:34
Arsenic-III	0.0521	mg/L	0.0010	104	90	110			
Sample ID: MBLK	Method Blank								07/18/05 14:38
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: 08/09/05

Work Order: C05070604

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: SEIV3114-050719		
Sample ID: MBLK	Method Blank								07/19/05 09:23
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05070603-001AMS	Matrix Spike								07/19/05 09:48
Selenium-IV	0.0469	mg/L	0.0010	93.9	85	115			
Sample ID: C05070603-001AMSD	Matrix Spike Duplicate								07/19/05 09:50
Selenium-IV	0.0469	mg/L	0.0010	93.8	85	115	0	10	
Sample ID: C265-67-5	Laboratory Control Spike								07/19/05 09:52
Selenium-IV	0.0566	mg/L	0.0010	94.4	90	110			
Sample ID: MBLK	Method Blank								07/19/05 09:58
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05070603-011AMS	Matrix Spike								07/19/05 10:23
Selenium-IV	0.0462	mg/L	0.0010	92.3	85	115			
Sample ID: C05070603-011AMSD	Matrix Spike Duplicate								07/19/05 10:25
Selenium-IV	0.0455	mg/L	0.0010	91.1	85	115	1.4	10	
Sample ID: C265-67-5	Laboratory Control Spike								07/19/05 10:27
Selenium-IV	0.0559	mg/L	0.0010	93.1	90	110			
Sample ID: MBLK	Method Blank								07/19/05 10:33
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05070605-003AMS	Matrix Spike								07/19/05 10:40
Selenium-IV	0.0476	mg/L	0.0010	95.3	85	115			
Sample ID: C05070605-003AMSD	Matrix Spike Duplicate								07/19/05 10:42
Selenium-IV	0.0486	mg/L	0.0010	97.3	85	115	2.1	10	
Sample ID: C265-67-5	Laboratory Control Spike								07/19/05 10:44
Selenium-IV	0.0550	mg/L	0.0010	91.7	90	110			
Sample ID: MBLK	Method Blank								07/19/05 10:48
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: 08/09/05

Work Order: C05070604

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B							Batch: PHSC050718A		
Sample ID: High Purity Water	Method Blank								07/18/05 08:36
pH	7	s.u.		0.01					
Sample ID: C05070528-004ADUP	Sample Duplicate								07/18/05 09:26
pH	8.13	s.u.		0.010			0.1	10	
Sample ID: C05070569-002ADUP	Sample Duplicate								07/18/05 10:20
pH	7.86	s.u.		0.010			0	10	
Sample ID: C05070571-007ADUP	Sample Duplicate								07/18/05 10:43
pH	8.57	s.u.		0.010			0	10	
Sample ID: C05070588-005ADUP	Sample Duplicate								07/18/05 11:42
pH	7.86	s.u.		0.010			0	10	
Sample ID: C05070603-009BDUP	Sample Duplicate								07/18/05 12:14
pH	7.25	s.u.		0.010			0	10	
Sample ID: C05070605-001BDUP	Sample Duplicate								07/18/05 12:51
pH	7.29	s.u.		0.010			0.1	10	
Sample ID: C05070605-004BDUP	Sample Duplicate								07/18/05 13:06
pH	6.98	s.u.		0.010			0.6	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: 08/09/05

Work Order: C05070604

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G		Batch: A2005-07-21_1_NH3_01							
Sample ID: MBLK-1	Method Blank								07/21/05 08:33
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05070603-005DMS	Matrix Spike								07/21/05 08:47
Nitrogen, Ammonia as N	2.21	mg/L	0.050	106	80	120			
Sample ID: C05070603-005DMSD	Matrix Spike Duplicate								07/21/05 08:49
Nitrogen, Ammonia as N	2.16	mg/L	0.050	104	80	120	2.3	20	
Sample ID: MBLK-17	Method Blank								07/21/05 09:05
Nitrogen, Ammonia as N	0.08	mg/L	0.02						
Sample ID: C05070603-015DMS	Matrix Spike								07/21/05 09:17
Nitrogen, Ammonia as N	2.26	mg/L	0.050	106	80	120			
Sample ID: C05070603-015DMSD	Matrix Spike Duplicate								07/21/05 09:19
Nitrogen, Ammonia as N	2.26	mg/L	0.050	106	80	120	0	20	
Sample ID: MBLK-32	Method Blank								07/21/05 09:35
Nitrogen, Ammonia as N	0.03	mg/L	0.02						
Sample ID: C05070735-003CMS	Matrix Spike								07/21/05 09:49
Nitrogen, Ammonia as N	1.91	mg/L	0.050	95.5	80	120			
Sample ID: C05070735-003CMSD	Matrix Spike Duplicate								07/21/05 09:51
Nitrogen, Ammonia as N	1.84	mg/L	0.050	92	80	120	3.7	20	
Sample ID: MBLK-48	Method Blank								07/21/05 10:06
Nitrogen, Ammonia as N	0.04	mg/L	0.02						
Sample ID: C05070644-007DMS	Matrix Spike								07/21/05 10:19
Nitrogen, Ammonia as N	1.64	mg/L	0.050	82	80	120			
Sample ID: C05070644-007DMSD	Matrix Spike Duplicate								07/21/05 10:21
Nitrogen, Ammonia as N	1.62	mg/L	0.050	81	80	120	1.2	20	
Sample ID: MBLK-63	Method Blank								07/21/05 10:37
Nitrogen, Ammonia as N	0.03	mg/L	0.02						
Sample ID: C05070569-001BMS	Matrix Spike								07/21/05 10:50
Nitrogen, Ammonia as N	5.12	mg/L	0.050	112	80	120			
Sample ID: C05070569-001BMSD	Matrix Spike Duplicate								07/21/05 10:52
Nitrogen, Ammonia as N	5.10	mg/L	0.050	111	80	120	0.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Report Date: 08/09/05

Project: Zone 3

Work Order: C05070604

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G							Batch: A2005-07-21_1_NH3_01		
Sample ID: MBLK-79	Method Blank								07/21/05 11:09
Nitrogen, Ammonia as N	0.03	mg/L	0.02						
Sample ID: C05070803-001DMS	Matrix Spike								07/21/05 11:27
Nitrogen, Ammonia as N	1.85	mg/L	0.050	91.5	80	120			
Sample ID: C05070803-001DMSD	Matrix Spike Duplicate								07/21/05 11:29
Nitrogen, Ammonia as N	1.98	mg/L	0.050	98	80	120	6.8	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: 08/09/05

Work Order: C05070604

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R53041
Sample ID: LFB-010305D-01	Laboratory Fortified Blank								07/21/05 10:41
Calcium	51.4	mg/L	0.50	103	85	125			
Magnesium	51.6	mg/L	0.50	103	85	125			
Potassium	49.8	mg/L	0.50	99.5	85	125			
Sodium	52.3	mg/L	0.50	105	85	125			
Sample ID: C05070603-010AMS1	Matrix Spike								07/21/05 12:24
Calcium	961	mg/L	0.57	99	70	130			
Magnesium	1350	mg/L	0.53	91.2	70	130			
Potassium	478	mg/L	0.52	95.1	70	130			
Sodium	879	mg/L	0.62	95.4	70	130			
Sample ID: C05070603-010AMS3	Matrix Spike								07/21/05 12:30
Chloride	1030	mg/L	1.0	103	70	130			
Sample ID: C05070603-010AMSD1	Matrix Spike Duplicate								07/21/05 12:33
Calcium	988	mg/L	0.57	104	70	130	2.8	20	
Magnesium	1390	mg/L	0.53	99.2	70	130	2.9	20	
Potassium	478	mg/L	0.52	95	70	130	0.2	20	
Sodium	870	mg/L	0.62	93.6	70	130	1.0	20	
Sample ID: C05070603-010AMSD3	Matrix Spike Duplicate								07/21/05 12:40
Chloride	988	mg/L	1.0	98.8	70	130	4.1	20	
Sample ID: LFB-010305D-01	Laboratory Fortified Blank								07/21/05 13:57
Calcium	49.7	mg/L	0.50	99.4	85	125			
Magnesium	49.6	mg/L	0.50	99.2	85	125			
Potassium	48.7	mg/L	0.50	97.4	85	125			
Sodium	50.7	mg/L	0.50	101	85	125			
Sample ID: C05070761-002BMS1	Matrix Spike								07/21/05 18:00
Calcium	488	mg/L	0.57	94.6	70	130			
Magnesium	467	mg/L	0.53	92.2	70	130			
Potassium	453	mg/L	0.52	90.7	70	130			
Sodium	590	mg/L	0.62	96.4	70	130			
Sample ID: C05070761-002BMSD1	Matrix Spike Duplicate								07/21/05 18:18
Calcium	485	mg/L	0.57	94	70	130	0.6	20	
Magnesium	466	mg/L	0.53	92	70	130	0.3	20	
Potassium	451	mg/L	0.52	90.2	70	130	0.5	20	
Sodium	587	mg/L	0.62	95.8	70	130	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: 08/09/05

Work Order: C05070604

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R53158
Sample ID: LFB-010305D-01	Laboratory Fortified Blank								07/25/05 11:06
Calcium	51.8	mg/L	0.50	104	85	125			
Magnesium	51.8	mg/L	0.50	104	85	125			
Sample ID: C05070735-001BMS1	Matrix Spike								07/25/05 11:21
Calcium	51.6	mg/L	0.50	97.3	70	130			
Magnesium	48.1	mg/L	0.50	95.3	70	130			
Sample ID: C05070735-001BMS3	Matrix Spike								07/25/05 11:27
Chloride	89.0	mg/L	1.0	89	70	130			
Sulfate	96.6	mg/L	1.0	96.6	70	130			
Sample ID: C05070735-001BMSD1	Matrix Spike Duplicate								07/25/05 11:30
Calcium	54.7	mg/L	0.50	104	70	130	5.8	20	
Magnesium	50.9	mg/L	0.50	101	70	130	5.7	20	
Sample ID: C05070735-001BMSD3	Matrix Spike Duplicate								07/25/05 11:36
Chloride	92.9	mg/L	1.0	92.9	70	130	4.3	20	
Sulfate	98.8	mg/L	1.0	98.8	70	130	2.3	20	
Sample ID: C05070926-001CMS1	Matrix Spike								07/25/05 13:10
Magnesium	70.0	mg/L	0.50	99.5	70	130			
Sample ID: C05070926-001CMSD1	Matrix Spike Duplicate								07/25/05 13:20
Magnesium	70.5	mg/L	0.50	101	70	130	0.7	20	
Method: E200.7									Batch: R53348
Sample ID: LFB-010305D-01	Laboratory Fortified Blank								07/28/05 10:44
Aluminum	0.977	mg/L	0.10	97.7	85	125			

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: 08/09/05

Work Order: C05070604

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R53028
Sample ID: LRB Method Blank									07/20/05 17:54
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	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: LFB Laboratory Fortified Blank									07/20/05 18:01
Aluminum	0.0551	mg/L	0.0010	110	85	115			
Beryllium	0.0525	mg/L	0.0010	105	85	115			
Cadmium	0.0542	mg/L	0.0010	108	85	115			
Cobalt	0.0554	mg/L	0.0010	111	85	115			
Lead	0.0546	mg/L	0.0010	109	85	115			
Manganese	0.0549	mg/L	0.0010	110	85	115			
Molybdenum	0.0564	mg/L	0.0010	113	85	115			
Nickel	0.0547	mg/L	0.0010	109	85	115			
Uranium	0.0544	mg/L	0.00030	109	85	115			
Vanadium	0.0554	mg/L	0.0010	111	85	115			
Sample ID: C05070604-001AMS4 Post Digestion Spike									07/21/05 03:57
Beryllium	0.673	mg/L	0.010	87.3	70	130			
Cadmium	0.562	mg/L	0.010	105	70	130			
Cobalt	2.55	mg/L	0.010		70	130			A
Lead	0.547	mg/L	0.050	109	70	130			
Manganese	60.6	mg/L	0.010		70	130			A
Molybdenum	0.576	mg/L	0.10	112	70	130			
Nickel	2.35	mg/L	0.050		70	130			A
Uranium	1.97	mg/L	0.00035	30	70	130			S
Vanadium	3.33	mg/L	0.10		70	130			A
Sample ID: C05070604-001AMSD4 Post Digestion Spike Dup									07/21/05 04:03
Beryllium	0.650	mg/L	0.010	82.6	70	130	3.5	20	
Cadmium	0.561	mg/L	0.010	104	70	130	0.3	20	
Cobalt	2.56	mg/L	0.010		70	130	0.4	20	A
Lead	0.546	mg/L	0.050	108	70	130	0.2	20	
Manganese	60.8	mg/L	0.010		70	130	0.5	20	A

- Matrix spike recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)

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.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 08/09/05

Work Order: C05070604

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R53028		
Sample ID: C05070604-001AMSD4 Post Digestion Spike Dup							07/21/05 04:03		
Molybdenum	0.581	mg/L	0.10	113	70	130	0.8	20	
Nickel	2.38	mg/L	0.050		70	130	1.3	20	A
Uranium	1.98	mg/L	0.00035	31.8	70	130	0.5	20	S
Vanadium	3.35	mg/L	0.10		70	130	0.8	20	A
- Matrix spike duplicate recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: C05070660-001BMS4 Post Digestion Spike							07/21/05 06:44		
Aluminum	0.0709	mg/L	0.10	106	70	130			
Beryllium	0.0516	mg/L	0.010	103	70	130			
Cadmium	0.0491	mg/L	0.010	98.1	70	130			
Cobalt	0.0501	mg/L	0.010	99.9	70	130			
Lead	0.0550	mg/L	0.050	110	70	130			
Manganese	0.0682	mg/L	0.010	100	70	130			
Molybdenum	0.0582	mg/L	0.10	115	70	130			
Nickel	0.0536	mg/L	0.050	102	70	130			
Uranium	0.0590	mg/L	0.00030	118	70	130			
Vanadium	0.0540	mg/L	0.10	107	70	130			
Sample ID: C05070660-001BMSD4 Post Digestion Spike Dup							07/21/05 06:51		
Aluminum	0.0691	mg/L	0.10	102	70	130	0	20	
Beryllium	0.0522	mg/L	0.010	104	70	130	1.1	20	
Cadmium	0.0496	mg/L	0.010	99.2	70	130	1.1	20	
Cobalt	0.0505	mg/L	0.010	101	70	130	0.8	20	
Lead	0.0562	mg/L	0.050	112	70	130	2.3	20	
Manganese	0.0692	mg/L	0.010	102	70	130	1.5	20	
Molybdenum	0.0592	mg/L	0.10	117	70	130	0	20	
Nickel	0.0550	mg/L	0.050	105	70	130	2.7	20	
Uranium	0.0603	mg/L	0.00030	120	70	130	2.2	20	
Vanadium	0.0546	mg/L	0.10	108	70	130	0	20	
Sample ID: C05070697-001CMS4 Post Digestion Spike							07/21/05 07:38		
Aluminum	0.054	mg/L	0.10	109	70	130			
Beryllium	0.055	mg/L	0.0010	109	70	130			
Cadmium	0.051	mg/L	0.0010	102	70	130			
Cobalt	0.051	mg/L	0.010	103	70	130			
Lead	0.053	mg/L	0.0010	105	70	130			
Manganese	0.053	mg/L	0.010	105	70	130			
Molybdenum	0.056	mg/L	0.10	108	70	130			
Nickel	0.053	mg/L	0.050	101	70	130			
Uranium	0.056	mg/L	0.00030	107	70	130			
Vanadium	0.063	mg/L	0.10	107	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.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: United Nuclear Corp

Report Date: 08/09/05

Project: Zone 3

Work Order: C05070604

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R53028		
Sample ID: C05070697-001CMSD4 Post Digestion Spike Dup							07/21/05 07:45		
Aluminum	0.054	mg/L	0.10	108	70	130	0	20	
Beryllium	0.058	mg/L	0.0010	116	70	130	6.1	20	
Cadmium	0.052	mg/L	0.0010	105	70	130	2.2	20	
Cobalt	0.052	mg/L	0.010	103	70	130	0.4	20	
Lead	0.054	mg/L	0.0010	107	70	130	1.7	20	
Manganese	0.053	mg/L	0.010	105	70	130	0.6	20	
Molybdenum	0.057	mg/L	0.10	108	70	130	0	20	
Nickel	0.054	mg/L	0.050	104	70	130	2.4	20	
Uranium	0.058	mg/L	0.00030	110	70	130	2.5	20	
Vanadium	0.063	mg/L	0.10	107	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: 08/09/05

Work Order: C05070604

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2							Batch: A2005-07-18_1_NO3_01		
Sample ID: MBLK-1	Method Blank								07/18/05 11:13
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05070527-003BMS	Matrix Spike								07/18/05 11:30
Nitrogen, Nitrate+Nitrite as N	1.90	mg/L	0.10	93	90	110			
Sample ID: C05070527-003BMSD	Matrix Spike Duplicate								07/18/05 11:33
Nitrogen, Nitrate+Nitrite as N	1.99	mg/L	0.10	97.5	90	110	4.6	10	
Sample ID: MBLK-17	Method Blank								07/18/05 11:53
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05070560-005CMS	Matrix Spike								07/18/05 12:08
Nitrogen, Nitrate+Nitrite as N	1.88	mg/L	0.10	94	90	110			
Sample ID: C05070560-005CMSD	Matrix Spike Duplicate								07/18/05 12:10
Nitrogen, Nitrate+Nitrite as N	2.01	mg/L	0.10	101	90	110	6.7	10	
Sample ID: MBLK-32	Method Blank								07/18/05 12:30
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05070603-002DMS	Matrix Spike								07/18/05 12:48
Nitrogen, Nitrate+Nitrite as N	2.31	mg/L	0.10	104	90	110			
Sample ID: C05070603-002DMSD	Matrix Spike Duplicate								07/18/05 12:50
Nitrogen, Nitrate+Nitrite as N	2.35	mg/L	0.10	106	90	110	1.7	10	
Sample ID: MBLK-48	Method Blank								07/18/05 13:13
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05070603-009DMS	Matrix Spike								07/18/05 13:28
Nitrogen, Nitrate+Nitrite as N	72.4	mg/L	1.5	95.2	90	110			
Sample ID: C05070603-009DMSD	Matrix Spike Duplicate								07/18/05 13:30
Nitrogen, Nitrate+Nitrite as N	72.0	mg/L	1.5	91.2	90	110	0.6	10	
Sample ID: MBLK-63	Method Blank								07/18/05 13:53
Nitrogen, Nitrate+Nitrite as N	0.04	mg/L	0.03						

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: 08/09/05
Work Order: C05070604

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									
Batch: R53014									
Sample ID: 20-Jul-05_LCS_3 Laboratory Control Spike									
07/20/05 10:30									
Chloroform	5.88	ug/L	1.0	118	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	99.2	80	120			
Surr: Dibromofluoromethane			1.0	110	70	130			
Surr: p-Bromofluorobenzene			1.0	103	75	125			
Surr: Toluene-d8			1.0	104	80	120			
Sample ID: 20-Jul-05_MBLK_6 Method Blank									
07/20/05 12:20									
Chloroform	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			0.5	102	80	120			
Surr: Dibromofluoromethane			0.5	110	70	130			
Surr: p-Bromofluorobenzene			0.5	104	75	125			
Surr: Toluene-d8			0.5	100	80	120			
Sample ID: C05070604-001EMS Matrix Spike									
07/20/05 17:53									
Chloroform	292	ug/L	5.0	124	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	106	80	120			
Surr: Dibromofluoromethane			5.0	118	70	130			
Surr: p-Bromofluorobenzene			5.0	109	75	125			
Surr: Toluene-d8			5.0	99.2	80	120			
Sample ID: C05070604-001EMSD Matrix Spike Duplicate									
07/20/05 18:30									
Chloroform	297	ug/L	5.0	129	70	130	1.9	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	102	80	120	0	10	
Surr: Dibromofluoromethane			5.0	118	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	108	75	125	0	10	
Surr: Toluene-d8			5.0	99.6	80	120	0	10	
Sample ID: C05070605-001EMS Matrix Spike									
07/21/05 12:16									
Chloroform	305	ug/L	5.0	127	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	106	80	120			
Surr: Dibromofluoromethane			5.0	116	70	130			
Surr: p-Bromofluorobenzene			5.0	113	75	125			
Surr: Toluene-d8			5.0	96	80	120			
Sample ID: C05070605-001EMSD Matrix Spike Duplicate									
07/21/05 12:53									
Chloroform	302	ug/L	5.0	124	70	130	1.1	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	102	80	120	0	10	
Surr: Dibromofluoromethane			5.0	116	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	113	75	125	0	10	
Surr: Toluene-d8			5.0	95.6	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: 08/09/05

Work Order: C05070604

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1									Batch: R53003
Sample ID: C05070373-001I	Matrix Spike								07/18/05 16:45
Gross Alpha minus Rn & U	28.1	pCi/L	1.0	88.6	70	130			
Sample ID: C05070373-001I	Matrix Spike Duplicate								07/18/05 16:45
Gross Alpha minus Rn & U	32.1	pCi/L	1.0	101	70	130	13	30	
Sample ID: MB-R53003	Method Blank								07/18/05 16:45
Gross Alpha minus Rn & U	ND	pCi/L	1						
Sample ID: LCS-R53003	Laboratory Control Spike								07/18/05 16:45
Gross Alpha minus Rn & U	30.2	pCi/L	1.0	95.3	70	130			
Method: E903.0									Batch: RA226-1136
Sample ID: C05070582-001AMS	Matrix Spike								07/18/05 15:15
Radium 226	19.5	pCi/L	0.20	87.5	70	130			
Sample ID: C05070582-001AMSD	Matrix Spike Duplicate								07/18/05 15:15
Radium 226	22.2	pCi/L	0.20	100	70	130	13	29.1	
Sample ID: MB-RA226-1136	Method Blank								07/18/05 15:15
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-1136	Laboratory Control Spike								07/18/05 15:15
Radium 226	12	pCi/L	0.20	91.3	70	130			
Method: E904.0									Batch: RA228-0948
Sample ID: LCS-228-RA226-1136	Laboratory Control Spike								07/18/05 15:15
Radium 228	9.1	pCi/L	1.0	94.1	70	130			
Sample ID: MB-RA226-1136	Method Blank								07/18/05 15:15
Radium 228	ND	pCi/L	1						
Sample ID: C05070647-001AMS	Matrix Spike								07/18/05 15:15
Radium 228	15	pCi/L	1.0	94.8	70	130			
Sample ID: C05070647-001AMSD	Matrix Spike Duplicate								07/18/05 15:15
Radium 228	17	pCi/L	1.0	105	70	130	9.8	40.7	

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: 08/09/05

Work Order: C05070604

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: R53350
Sample ID: MB-R53350	Method Blank								07/21/05 10:30
Thorium 230	ND	pCi/L	0.2						
Sample ID: LCS-R53350	Laboratory Control Spike								07/21/05 10:30
Thorium 230	20.7	pCi/L	0.20	82.8	70	130			
Sample ID: C05070603-015ADUP	Sample Duplicate								07/21/05 10:30
Thorium 230	0.300	pCi/L	0.20				0	30	
Sample ID: C05070603-016AMS	Matrix Spike								07/21/05 10:30
Thorium 230	114	pCi/L	0.20	91.1	70	130			
Method: NERHL-65-4									Batch: R53093
Sample ID: MB-R53093	Method Blank								07/21/05 10:30
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R53093	Laboratory Control Spike								07/21/05 10:30
Lead 210	80	pCi/L	1.0	92.8	70	130			
Sample ID: C05070605-002DUP	Sample Duplicate								07/21/05 10:30
Lead 210	ND	pCi/L	1.0				0	30	
Sample ID: C05070605-003AMS	Matrix Spike								07/21/05 10:30
Lead 210	200	pCi/L	1.0	92.9	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



ANALYTICAL SUMMARY REPORT

August 26, 2005

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

Workorder No.: C05070910

Quote ID: C129 - Quarterly Long List

Project Name: Zone 3

Energy Laboratories Inc. received the following 10 samples from United Nuclear Corp on 7/22/2005 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C05070910-001	NBL-1	07/18/05 09:35	07/22/05	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
C05070910-002	504-B	07/18/05 11:15	07/22/05	Aqueous	Same As Above
C05070910-003	719	07/18/05 13:37	07/22/05	Aqueous	Same As Above
C05070910-004	420	07/18/05 14:07	07/22/05	Aqueous	Same As Above
C05070910-005	717	07/18/05 14:41	07/22/05	Aqueous	Same As Above
C05070910-006	EPA-14	07/18/05 15:14	07/22/05	Aqueous	Same As Above
C05070910-007	EPA-13	07/19/05 09:00	07/22/05	Aqueous	Same As Above
C05070910-008	711	07/19/05 09:43	07/22/05	Aqueous	Same As Above
C05070910-009	711-Duplicate	07/19/05 10:04	07/22/05	Aqueous	Same As Above
C05070910-010	708	07/19/05 11:35	07/22/05	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:


ROGER GARLING
LABORATORY SUPERVISOR

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 08/26/05

Work Order: C05070910

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B							Batch: 050726_1_ALK-W		
Sample ID: MBLK1_050726_1	Method Blank								07/26/05 15:06
Bicarbonate as HCO ₃	ND	mg/L	1						
Sample ID: MBLK2_050726_1	Method Blank								07/26/05 18:53
Bicarbonate as HCO ₃	ND	mg/L	1						
Method: A2320 B							Batch: 050727_1_ALK-W		
Sample ID: MBLK1_050727_1	Method Blank								07/27/05 09:21
Bicarbonate as HCO ₃	ND	mg/L	1						
Sample ID: MBLK2_050727_1	Method Blank								07/27/05 13:26
Bicarbonate as HCO ₃	ND	mg/L	1						
Sample ID: LFB1_050727_1	Laboratory Fortified Blank								07/27/05 16:04
Bicarbonate as HCO ₃	112	mg/L	1.0	0	0	0			

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 08/26/05

Work Order: C05070910

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C			Batch: 050725A-SLDS-TDS-W						
Sample ID: LCS1_050725A	Laboratory Control Spike								07/25/05 12:18
Solids, Total Dissolved TDS @ 180 C	992	mg/L	10	99.2	90	110			
Sample ID: MBLK1_050725A	Method Blank								07/26/05 10:08
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05070893-003AMS	Matrix Spike								07/25/05 12:20
Solids, Total Dissolved TDS @ 180 C	4400	mg/L	10	96.3	90	110			
Sample ID: C05070893-003AMSD	Matrix Spike Duplicate								07/25/05 12:20
Solids, Total Dissolved TDS @ 180 C	4430	mg/L	10	96.9	90	110	0.6	10	
Sample ID: C05070904-002ADUP	Sample Duplicate								07/25/05 12:23
Solids, Total Dissolved TDS @ 180 C	1440	mg/L	10				0.6	10	
Sample ID: C05070904-002AMS	Matrix Spike								07/25/05 12:23
Solids, Total Dissolved TDS @ 180 C	5360	mg/L	10	98.2	90	110			
Sample ID: C05070904-002AMSD	Matrix Spike Duplicate								07/25/05 12:23
Solids, Total Dissolved TDS @ 180 C	5380	mg/L	10	98.7	90	110	0.4	10	
Sample ID: LCS2_050725A	Laboratory Control Spike								07/25/05 12:23
Solids, Total Dissolved TDS @ 180 C	1030	mg/L	10	103	90	110			
Sample ID: MBLK2_050725A	Method Blank								07/25/05 12:24
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05070910-001DMS	Matrix Spike								07/25/05 12:27
Solids, Total Dissolved TDS @ 180 C	8160	mg/L	10	99.8	90	110			
Sample ID: C05070910-001DMSD	Matrix Spike Duplicate								07/25/05 12:28
Solids, Total Dissolved TDS @ 180 C	8180	mg/L	10	100	90	110	0.3	10	
Sample ID: C05070911-001BDUP	Sample Duplicate								07/25/05 12:34
Solids, Total Dissolved TDS @ 180 C	896	mg/L	10				0.4	10	
Sample ID: C05070911-001BMS	Matrix Spike								07/25/05 12:34
Solids, Total Dissolved TDS @ 180 C	4800	mg/L	10	97.6	90	110			
Sample ID: C05070911-001BMSD	Matrix Spike Duplicate								07/25/05 12:34
Solids, Total Dissolved TDS @ 180 C	4810	mg/L	10	97.8	90	110	0.2	10	
Sample ID: LCS3_050725A	Laboratory Control Spike								07/25/05 12:35
Solids, Total Dissolved TDS @ 180 C	1030	mg/L	10	103	90	110			

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 08/26/05

Work Order: C05070910

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C			Batch: 050725A-SLDS-TDS-W						
Sample ID: MBLK3_050725A	Method Blank								07/26/05 10:09
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05070943-001AMS	Matrix Spike								07/25/05 12:42
Solids, Total Dissolved TDS @ 180 C	3520	mg/L	10	98.1	90	110			
Sample ID: C05070943-001AMSD	Matrix Spike Duplicate								07/25/05 12:42
Solids, Total Dissolved TDS @ 180 C	3520	mg/L	10	98.3	90	110	0.2	10	
Sample ID: C05070943-005ADUP	Sample Duplicate								07/26/05 10:10
Solids, Total Dissolved TDS @ 180 C	292	mg/L	10				5.3	10	
Sample ID: C05070943-005AMS	Matrix Spike								07/25/05 15:07
Solids, Total Dissolved TDS @ 180 C	5140	mg/L	10	96.6	90	110			
Sample ID: C05070943-005AMSD	Matrix Spike Duplicate								07/25/05 15:08
Solids, Total Dissolved TDS @ 180 C	5140	mg/L	10	96.7	90	110	0	10	
Sample ID: LCS4_050725A	Laboratory Control Spike								07/25/05 15:08
Solids, Total Dissolved TDS @ 180 C	1020	mg/L	10	102	90	110			

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 08/26/05

Work Order: C05070910

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B			Batch: ASIII3114-050725						
Sample ID: MBLK	Method Blank								07/25/05 09:32
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05070909-001A MS	Matrix Spike								07/25/05 10:01
Arsenic-III	0.0487	mg/L	0.0010	97.4	85	115			
Sample ID: C05070909-001A MSD	Matrix Spike Duplicate								07/25/05 10:03
Arsenic-III	0.0469	mg/L	0.0010	93.7	85	115	3.8	10	
Sample ID: C265-67-5	Laboratory Control Spike								07/25/05 10:05
Arsenic-III	0.0571	mg/L	0.0010	95.2	90	110			
Sample ID: MBLK	Method Blank								07/25/05 10:24
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05070910-004A MS	Matrix Spike								07/25/05 10:44
Arsenic-III	0.0531	mg/L	0.0010	102	85	115			
Sample ID: C05070910-004A MSD	Matrix Spike Duplicate								07/25/05 10:46
Arsenic-III	0.0517	mg/L	0.0010	98.9	85	115	2.7	10	
Sample ID: C265-67-5	Laboratory Control Spike								07/25/05 10:48
Arsenic-III	0.0563	mg/L	0.0010	93.8	90	110			
Sample ID: MBLK	Method Blank								07/25/05 10:52
Arsenic-III	ND	mg/L	0.0005						

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 08/26/05

Work Order: C05070910

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: SEIV3114-050725		
Sample ID: MBLK	Method Blank								07/25/05 14:40
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05070909-001A MS	Matrix Spike								07/25/05 15:01
Selenium-IV	0.0526	mg/L	0.0010	105	85	115			
Sample ID: C05070909-001A MSD	Matrix Spike Duplicate								07/25/05 15:03
Selenium-IV	0.0523	mg/L	0.0010	105	85	115	0.5	10	
Sample ID: C265-67-5	Laboratory Control Spike								07/25/05 15:05
Selenium-IV	0.0540	mg/L	0.0010	108	90	110			
Sample ID: MBLK	Method Blank								07/25/05 15:11
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05070910-004A MS	Matrix Spike								07/25/05 15:31
Selenium-IV	0.0488	mg/L	0.0010	97.7	85	115			
Sample ID: C05070910-004A MSD	Matrix Spike Duplicate								07/25/05 15:33
Selenium-IV	0.0485	mg/L	0.0010	97.1	85	115	0.6	10	
Sample ID: C265-67-5	Laboratory Control Spike								07/25/05 15:34
Selenium-IV	0.0539	mg/L	0.0010	108	90	110			
Sample ID: MBLK	Method Blank								07/25/05 15:38
Selenium-IV	ND	mg/L	0.0002						
Method: A4500-H B							Batch: PHSC050725A		
Sample ID: C05070902-002ADUP	Sample Duplicate								07/25/05 12:48
pH	7.71	s.u.	0.010				0.1	10	
Sample ID: C05070906-006ADUP	Sample Duplicate								07/25/05 13:01
pH	8.04	s.u.	0.010				0.4	10	
Sample ID: C05070910-001DDUP	Sample Duplicate								07/25/05 13:23
pH	6.71	s.u.	0.010				0.1	10	
Sample ID: C05070914-001ADUP	Sample Duplicate								07/25/05 13:34
pH	7.85	s.u.	0.010				0.1	10	
Sample ID: C05070931-003ADUP	Sample Duplicate								07/25/05 13:45
pH	7.84	s.u.	0.010				0.3	10	

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 08/26/05

Work Order: C05070910

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G			Batch: A2005-07-28_1_NH3_01						
Sample ID: MBLK-1	Method Blank								07/28/05 12:18
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05070833-002BMS	Matrix Spike								07/28/05 12:32
Nitrogen, Ammonia as N	2.67	mg/L	0.050	104	80	120			
Sample ID: C05070833-002BMSD	Matrix Spike Duplicate								07/28/05 12:33
Nitrogen, Ammonia as N	2.69	mg/L	0.050	105	80	120	0.7	20	
Sample ID: MBLK-17	Method Blank								07/28/05 12:54
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05070909-006CMS	Matrix Spike								07/28/05 13:05
Nitrogen, Ammonia as N	3.27	mg/L	0.050	117	80	120			
Sample ID: C05070909-006CMSD	Matrix Spike Duplicate								07/28/05 13:07
Nitrogen, Ammonia as N	3.24	mg/L	0.050	115	80	120	0.9	20	
Sample ID: MBLK-32	Method Blank								07/28/05 13:24
Nitrogen, Ammonia as N	0.03	mg/L	0.02						
Sample ID: C05070910-010CMS	Matrix Spike								07/28/05 13:37
Nitrogen, Ammonia as N	4.59	mg/L	0.050	110	80	120			
Sample ID: C05070910-010CMSD	Matrix Spike Duplicate								07/28/05 13:39
Nitrogen, Ammonia as N	4.79	mg/L	0.050	118	80	120	4.3	20	
Sample ID: MBLK-48	Method Blank								07/28/05 14:00
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05071063-006BMS	Matrix Spike								07/28/05 14:12
Nitrogen, Ammonia as N	1.91	mg/L	0.050	94.5	80	120			
Sample ID: C05071063-006BMSD	Matrix Spike Duplicate								07/28/05 14:13
Nitrogen, Ammonia as N	1.78	mg/L	0.050	88	80	120	7.0	20	

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 08/26/05

Work Order: C05070910

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R53446		
Sample ID: LFB-010305D-01 Laboratory Fortified Blank							08/01/05 11:16		
Aluminum	0.954	mg/L	0.10	95.4	85	125			
Calcium	51.2	mg/L	0.50	102	85	125			
Cobalt	0.970	mg/L	0.011	97	85	125			
Lead	0.996	mg/L	0.050	99.6	85	125			
Magnesium	51.4	mg/L	0.50	103	85	125			
Manganese	0.989	mg/L	0.010	98.9	85	125			
Molybdenum	0.990	mg/L	0.10	99	85	125			
Nickel	0.992	mg/L	0.054	99.2	85	125			
Potassium	49.5	mg/L	0.50	98.9	85	125			
Sodium	49.8	mg/L	0.50	99.6	85	125			
Sulfate	0.294	mg/L	1.0	0	85	125			
Vanadium	1.01	mg/L	0.10	101	85	125			
Sample ID: C05070909-001AMS1 Matrix Spike							08/01/05 11:34		
Calcium	505	mg/L	0.57	96.5	70	130			
Magnesium	494	mg/L	0.53	96.9	70	130			
Potassium	478	mg/L	0.52	95.6	70	130			
Sodium	794	mg/L	0.62	96.1	70	130			
Sample ID: C05070909-001AMS2 Matrix Spike							08/01/05 11:38		
Aluminum	8.99	mg/L	0.10	89.2	70	130			
Cobalt	9.28	mg/L	0.11	92.8	70	130			
Lead	10.1	mg/L	0.35	97.1	70	130			
Manganese	9.19	mg/L	0.010	91.9	70	130			
Molybdenum	9.13	mg/L	0.79	91.3	70	130			
Nickel	9.92	mg/L	0.54	99.2	70	130			
Vanadium	9.16	mg/L	0.10	91.6	70	130			
Sample ID: C05070909-001AMSD1 Matrix Spike Duplicate							08/01/05 11:44		
Calcium	552	mg/L	0.57	106	70	130	8.9	20	
Magnesium	539	mg/L	0.53	106	70	130	8.6	20	
Potassium	526	mg/L	0.52	105	70	130	9.5	20	
Sodium	838	mg/L	0.62	105	70	130	5.4	20	
Sample ID: C05070909-001AMSD2 Matrix Spike Duplicate							08/01/05 11:47		
Aluminum	9.31	mg/L	0.10	92.4	70	130	3.5	20	
Cobalt	9.63	mg/L	0.11	96.3	70	130	3.7	20	
Lead	9.43	mg/L	0.35	90.2	70	130	7.1	20	
Manganese	9.64	mg/L	0.010	96.4	70	130	4.8	20	
Molybdenum	9.48	mg/L	0.79	94.8	70	130	3.8	20	
Nickel	9.97	mg/L	0.54	99.7	70	130	0.5	20	

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 08/26/05

Work Order: C05070910

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R53446
Sample ID: C05070909-001AMSD2	Matrix Spike Duplicate								08/01/05 11:47
Vanadium	9.63	mg/L	0.10	96.3	70	130	5.0		20
Sample ID: C05070909-007AMS1	Matrix Spike								08/01/05 12:44
Calcium	47.9	mg/L	0.50	95.5	70	130			
Magnesium	49.0	mg/L	0.50	97.8	70	130			
Potassium	48.5	mg/L	0.50	96.9	70	130			
Sodium	52.1	mg/L	0.50	97	70	130			
Sample ID: C05070909-007AMS2	Matrix Spike								08/01/05 12:47
Cobalt	1.02	mg/L	0.011	102	70	130			
Lead	1.09	mg/L	0.050	100	70	130			
Manganese	1.01	mg/L	0.010	101	70	130			
Nickel	0.968	mg/L	0.054	96.8	70	130			
Vanadium	1.03	mg/L	0.10	103	70	130			
Sample ID: C05070909-007AMS3	Matrix Spike								08/01/05 12:50
Sulfate	90.7	mg/L	1.0	89.8	70	130			
Sample ID: C05070909-007AMSD1	Matrix Spike Duplicate								08/01/05 12:53
Calcium	50.5	mg/L	0.50	101	70	130	5.2		20
Magnesium	51.4	mg/L	0.50	103	70	130	4.8		20
Potassium	51.0	mg/L	0.50	102	70	130	5.1		20
Sodium	55.0	mg/L	0.50	103	70	130	5.4		20
Sample ID: C05070909-007AMSD3	Matrix Spike Duplicate								08/01/05 13:00
Sulfate	91.5	mg/L	1.0	90.6	70	130	0.9		20
Sample ID: C05070910-004AMS1	Matrix Spike								08/01/05 15:06
Calcium	1170	mg/L	0.57	93.2	70	130			
Magnesium	616	mg/L	0.53	93	70	130			
Potassium	467	mg/L	0.52	92.5	70	130			
Sodium	641	mg/L	0.62	97.6	70	130			
Sample ID: C05070910-004AMS2	Matrix Spike								08/01/05 15:18
Cobalt	9.39	mg/L	0.11	93.9	70	130			
Lead	9.72	mg/L	0.35	97.2	70	130			
Manganese	11.4	mg/L	0.010	92.5	70	130			
Molybdenum	9.66	mg/L	0.79	96.6	70	130			
Vanadium	9.49	mg/L	0.10	94.9	70	130			
Sample ID: C05070910-004AMSD1	Matrix Spike Duplicate								08/01/05 15:24
Calcium	1170	mg/L	0.57	92	70	130	0.5		20

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 08/26/05

Work Order: C05070910

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R53446
Sample ID: C05070910-004AMSD1 Matrix Spike Duplicate									08/01/05 15:24
Magnesium	614	mg/L	0.53	92.6	70	130	0.3	20	
Potassium	469	mg/L	0.52	93	70	130	0.5	20	
Sodium	648	mg/L	0.62	99	70	130	1.1	20	
Sample ID: C05070910-004AMSD2 Matrix Spike Duplicate									08/01/05 15:27
Cobalt	9.33	mg/L	0.11	93.3	70	130	0.6	20	
Lead	9.81	mg/L	0.35	98.1	70	130	0.9	20	
Manganese	11.2	mg/L	0.010	90.5	70	130	1.8	20	
Molybdenum	9.52	mg/L	0.79	95.2	70	130	1.5	20	
Vanadium	9.29	mg/L	0.10	92.9	70	130	2.1	20	

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 08/26/05

Work Order: C05070910

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R53500
Sample ID: LRB Method Blank									08/02/05 16:22
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						
Nickel	ND	mg/L	0.00008						
Uranium	ND	mg/L	0.00004						
Sample ID: LFB Laboratory Fortified Blank									08/02/05 16:29
Aluminum	0.0494	mg/L	0.0010	98.8	85	115			
Beryllium	0.0484	mg/L	0.0010	96.8	85	115			
Cadmium	0.0508	mg/L	0.0010	102	85	115			
Cobalt	0.0503	mg/L	0.0010	101	85	115			
Lead	0.0513	mg/L	0.0010	103	85	115			
Nickel	0.0502	mg/L	0.0010	100	85	115			
Uranium	0.0508	mg/L	0.00030	102	85	115			
Sample ID: C05071153-001BMS4 Post Digestion Spike									08/02/05 20:01
Aluminum	0.544	mg/L	0.10	106	70	130			
Cadmium	0.504	mg/L	0.010	101	70	130			
Cobalt	0.497	mg/L	0.010	99.3	70	130			
Lead	0.514	mg/L	0.050	103	70	130			
Nickel	0.507	mg/L	0.050	98.4	70	130			
Uranium	0.518	mg/L	0.00035	103	70	130			
Sample ID: C05071153-001BMSD4 Post Digestion Spike Dup									08/02/05 20:08
Aluminum	0.549	mg/L	0.10	107	70	130	0.9	20	
Cadmium	0.509	mg/L	0.010	102	70	130	0.9	20	
Cobalt	0.493	mg/L	0.010	98.4	70	130	0.9	20	
Lead	0.517	mg/L	0.050	103	70	130	0.5	20	
Nickel	0.515	mg/L	0.050	99.9	70	130	1.5	20	
Uranium	0.522	mg/L	0.00035	104	70	130	0.8	20	
Sample ID: C05070963-001BMS4 Post Digestion Spike									08/02/05 22:28
Aluminum	0.048	mg/L	0.10	94.7	70	130			
Beryllium	0.049	mg/L	0.0010	98.9	70	130			
Cadmium	0.049	mg/L	0.0010	98.4	70	130			
Cobalt	0.048	mg/L	0.010	96.8	70	130			
Lead	0.051	mg/L	0.0010	100	70	130			
Nickel	0.049	mg/L	0.050	95	70	130			
Uranium	0.087	mg/L	0.00030	103	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: 08/26/05

Work Order: C05070910

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R53500
Sample ID: C05070963-001BMSD4 Post Digestion Spike Dup									08/02/05 22:34
Aluminum	0.049	mg/L	0.10	96.7	70	130	0	20	
Beryllium	0.051	mg/L	0.0010	102	70	130	3.6	20	
Cadmium	0.050	mg/L	0.0010	99.1	70	130	0.7	20	
Cobalt	0.049	mg/L	0.010	97.4	70	130	0.6	20	
Lead	0.051	mg/L	0.0010	101	70	130	0.4	20	
Nickel	0.049	mg/L	0.050	95.5	70	130	0	20	
Uranium	0.088	mg/L	0.00030	104	70	130	0.6	20	
Sample ID: C05071168-001CMS4 Post Digestion Spike									08/02/05 23:41
Aluminum	0.575	mg/L	0.10	101	70	130			
Beryllium	0.517	mg/L	0.010	103	70	130			
Cadmium	0.512	mg/L	0.010	102	70	130			
Cobalt	0.502	mg/L	0.010	100	70	130			
Nickel	0.528	mg/L	0.050	106	70	130			
Sample ID: C05071168-001CMSD4 Post Digestion Spike Dup									08/02/05 23:47
Aluminum	0.576	mg/L	0.10	101	70	130	0.2	20	
Beryllium	0.513	mg/L	0.010	103	70	130	0.8	20	
Cadmium	0.510	mg/L	0.010	101	70	130	0.3	20	
Cobalt	0.500	mg/L	0.010	99.8	70	130	0.5	20	
Nickel	0.525	mg/L	0.050	105	70	130	0.6	20	
Sample ID: C05071220-001CMS4 Post Digestion Spike									08/03/05 01:27
Aluminum	0.0548	mg/L	0.10	101	70	130			
Beryllium	0.0548	mg/L	0.010	110	70	130			
Cadmium	0.0499	mg/L	0.010	99.8	70	130			
Cobalt	0.0484	mg/L	0.010	95.8	70	130			
Nickel	0.0521	mg/L	0.050	96.8	70	130			
Sample ID: C05071220-001CMSD4 Post Digestion Spike Dup									08/03/05 01:33
Aluminum	0.0523	mg/L	0.10	96.4	70	130	0	20	
Beryllium	0.0507	mg/L	0.010	101	70	130	7.7	20	
Cadmium	0.0486	mg/L	0.010	97.3	70	130	2.6	20	
Cobalt	0.0474	mg/L	0.010	93.8	70	130	2.1	20	
Nickel	0.0508	mg/L	0.050	94.2	70	130	2.5	20	
Sample ID: C05070909-001AMS4 Post Digestion Spike									08/03/05 04:47
Aluminum	0.0529	mg/L	0.10	93.5	70	130			
Beryllium	0.0466	mg/L	0.010	93.1	70	130			
Cadmium	0.0477	mg/L	0.010	95.4	70	130			
Cobalt	0.0493	mg/L	0.010	98.4	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: 08/26/05

Work Order: C05070910

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R53500
Sample ID: C05070909-001AMS4									08/03/05 04:47
Post Digestion Spike									
Lead	0.0518	mg/L	0.050	103	70	130			
Nickel	0.0477	mg/L	0.050	94	70	130			
Uranium	0.0547	mg/L	0.00030	109	70	130			
Sample ID: C05070909-001AMS4									08/03/05 05:20
Post Digestion Spike Dup									
Aluminum	0.0532	mg/L	0.10	94.1	70	130	0	20	
Beryllium	0.0467	mg/L	0.010	93.3	70	130	0.2	20	
Cadmium	0.0476	mg/L	0.010	95.2	70	130	0.2	20	
Cobalt	0.0488	mg/L	0.010	97.4	70	130	1.0	20	
Lead	0.0515	mg/L	0.050	103	70	130	0.5	20	
Nickel	0.0472	mg/L	0.050	93.1	70	130	0	20	
Uranium	0.0548	mg/L	0.00030	109	70	130	0.2	20	
Sample ID: C05070910-004AMS4									08/03/05 07:13
Post Digestion Spike									
Aluminum	0.258	mg/L	0.10	99.7	70	130			
Beryllium	0.240	mg/L	0.010	95.8	70	130			
Cadmium	0.243	mg/L	0.010	97.1	70	130			
Cobalt	0.246	mg/L	0.010	95.5	70	130			
Lead	0.254	mg/L	0.050	102	70	130			
Nickel	0.260	mg/L	0.050	98.9	70	130			
Uranium	0.387	mg/L	0.00030	104	70	130			
Sample ID: C05070910-004AMS4									08/03/05 07:19
Post Digestion Spike Dup									
Aluminum	0.252	mg/L	0.10	97.3	70	130	2.4	20	
Beryllium	0.242	mg/L	0.010	96.8	70	130	1.1	20	
Cadmium	0.242	mg/L	0.010	96.8	70	130	0.3	20	
Cobalt	0.247	mg/L	0.010	95.6	70	130	0	20	
Lead	0.252	mg/L	0.050	101	70	130	1.1	20	
Nickel	0.262	mg/L	0.050	99.6	70	130	0.7	20	
Uranium	0.384	mg/L	0.00030	103	70	130	0.8	20	
Sample ID: C05071168-001CMS4									08/03/05 10:22
Post Digestion Spike									
Aluminum	0.566	mg/L	0.10	99.6	70	130			
Beryllium	0.481	mg/L	0.010	96.1	70	130			
Cadmium	0.507	mg/L	0.010	101	70	130			
Cobalt	0.511	mg/L	0.010	102	70	130			
Lead	0.498	mg/L	0.050	99.4	70	130			
Nickel	0.539	mg/L	0.050	104	70	130			
Uranium	0.652	mg/L	0.00035	130	70	130			S

- Matrix spike recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)

Qualifiers:

RL - 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 3

Report Date: 08/26/05

Work Order: C05070910

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R53500
Sample ID: C05071168-001CMSD4 Post Digestion Spike Dup									08/03/05 10:28
Aluminum	0.616	mg/L	0.10	110	70	130	8.5	20	
Beryllium	0.474	mg/L	0.010	94.8	70	130	1.4	20	
Cadmium	0.508	mg/L	0.010	101	70	130	0.1	20	
Cobalt	0.510	mg/L	0.010	102	70	130	0.2	20	
Lead	0.561	mg/L	0.050	112	70	130	12	20	
Nickel	0.530	mg/L	0.050	102	70	130	1.7	20	
Uranium	0.642	mg/L	0.00035	128	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: 08/26/05

Work Order: C05070910

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2			Batch: A2005-07-27_1_NO3_01						
Sample ID: MBLK-1	Method Blank								07/27/05 08:05
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05070910-003CMS	Matrix Spike								07/27/05 08:23
Nitrogen, Nitrate+Nitrite as N	1.90	mg/L	0.10	95	90	110			
Sample ID: C05070910-003CMSD	Matrix Spike Duplicate								07/27/05 08:25
Nitrogen, Nitrate+Nitrite as N	1.96	mg/L	0.10	98	90	110	3.1	10	
Sample ID: MBLK-17	Method Blank								07/27/05 08:45
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05070959-001AMS	Matrix Spike								07/27/05 09:00
Nitrogen, Nitrate+Nitrite as N	3.28	mg/L	0.10	103	90	110			
Sample ID: C05070959-001AMSD	Matrix Spike Duplicate								07/27/05 09:03
Nitrogen, Nitrate+Nitrite as N	3.31	mg/L	0.10	104	90	110	0.9	10	
Sample ID: MBLK-32	Method Blank								07/27/05 09:23
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05070960-001CMS	Matrix Spike								07/27/05 09:40
Nitrogen, Nitrate+Nitrite as N	2.02	mg/L	0.10	94.5	90	110			
Sample ID: C05070960-001CMSD	Matrix Spike Duplicate								07/27/05 09:43
Nitrogen, Nitrate+Nitrite as N	1.97	mg/L	0.10	92	90	110	2.5	10	
Sample ID: MBLK-48	Method Blank								07/27/05 10:03
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05070998-005CMS	Matrix Spike								07/27/05 10:18
Nitrogen, Nitrate+Nitrite as N	2.03	mg/L	0.10	102	90	110			
Sample ID: C05070998-005CMSD	Matrix Spike Duplicate								07/27/05 10:20
Nitrogen, Nitrate+Nitrite as N	2.11	mg/L	0.10	106	90	110	3.9	10	
Sample ID: MBLK-63	Method Blank								07/27/05 10:40
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05071041-007AMS	Matrix Spike								07/27/05 10:58
Nitrogen, Nitrate+Nitrite as N	11.7	mg/L	0.15	98.2	90	110			
Sample ID: C05071041-007AMSD	Matrix Spike Duplicate								07/27/05 11:00
Nitrogen, Nitrate+Nitrite as N	12.1	mg/L	0.15	102	90	110	3.4	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: 08/26/05

Work Order: C05070910

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2							Batch: A2005-07-27_1_NO3_01		
Sample ID: MBLK-79	Method Blank								07/27/05 11:20
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Method: E624							Batch: R53207		
Sample ID: 26-JUL-05_BLSP_18MS	Matrix Spike								07/26/05 22:49
Chloroform	9.12	ug/L	1.0	91.2	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	110	80	120			
Surr: Dibromofluoromethane			1.0	95.6	70	130			
Surr: p-Bromofluorobenzene			1.0	104	75	125			
Surr: Toluene-d8			1.0	99.6	80	120			
Sample ID: 26-JUL-05_BLSPD_19M	Matrix Spike Duplicate								07/26/05 23:34
Chloroform	9.72	ug/L	1.0	97.2	70	130	6.4	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	102	80	120	0	10	
Surr: Dibromofluoromethane			1.0	98.8	70	130	0	10	
Surr: p-Bromofluorobenzene			1.0	92.4	75	125	0	10	
Surr: Toluene-d8			1.0	99.6	80	120	0	10	
Sample ID: 26-Jul-05_LCS_4	Laboratory Control Spike								07/26/05 12:02
Chloroform	4.84	ug/L	1.0	96.8	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	93.6	80	120			
Surr: Dibromofluoromethane			1.0	93.6	70	130			
Surr: p-Bromofluorobenzene			1.0	100	75	125			
Surr: Toluene-d8			1.0	102	80	120			
Sample ID: 26-Jul-05_MBLK_7	Method Blank								07/26/05 14:19
Chloroform	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			0.5	105	80	120			
Surr: Dibromofluoromethane			0.5	90.4	70	130			
Surr: p-Bromofluorobenzene			0.5	90.4	75	125			
Surr: Toluene-d8			0.5	101	80	120			

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: 08/26/05

Work Order: C05070910

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1							Batch: R53448		
Sample ID: C05070910-001A	Sample Duplicate							07/28/05 15:25	
Gross Alpha minus Rn & U	7.30	pCi/L	1.0				23	30	
Sample ID: C05070910-002A	Matrix Spike							07/28/05 15:25	
Gross Alpha minus Rn & U	49.8	pCi/L	1.0	96.8	70	130			
Sample ID: MB-R53448	Method Blank							07/28/05 15:25	
Gross Alpha minus Rn & U	ND	pCi/L	1						
Sample ID: LCS-R53448	Laboratory Control Spike							07/28/05 15:25	
Gross Alpha minus Rn & U	30.0	pCi/L	1.0	94.6	70	130			
Method: E903.0							Batch: RA226-1152		
Sample ID: C05070909-001ADUP	Sample Duplicate							07/25/05 14:05	
Radium 226	ND	pCi/L	0.20				0	632.8	
Sample ID: C05070909-007AMS	Matrix Spike							07/25/05 14:05	
Radium 226	22	pCi/L	0.20	102	70	130			
Sample ID: MB-RA226-1152	Method Blank							07/25/05 14:05	
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-1152	Laboratory Control Spike							07/25/05 14:05	
Radium 226	12	pCi/L	0.20	96.3	70	130			
Method: E904.0							Batch: RA228-0960		
Sample ID: LCS-228-RA226-1152	Laboratory Control Spike							07/25/05 14:05	
Radium 228	7.0	pCi/L	1.0	73.2	70	130			
Sample ID: MB-RA226-1152	Method Blank							07/25/05 14:05	
Radium 228	ND	pCi/L	1						
Sample ID: C05070909-001ADUP	Sample Duplicate							07/25/05 14:05	
Radium 228	ND	pCi/L	1.0				0	227.9	
Sample ID: C05070910-005AMS	Matrix Spike							07/25/05 14:05	
Radium 228	23	pCi/L	1.0	109	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: 08/26/05

Work Order: C05070910

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: R54334
Sample ID: MB-R54334	Method Blank								08/17/05 10:30
Thorium 230	ND	pCi/L	0.2						
Sample ID: LCS-R54334									08/17/05 10:30
Thorium 230	Laboratory Control Spike								
	24.8	pCi/L	0.20	99.2	70	130			
Sample ID: C05080224-002BMS									08/17/05 10:30
Thorium 230	Matrix Spike								
	165	pCi/L	0.20	111	70	130			
Sample ID: C05080224-002BMSD									08/17/05 10:30
Thorium 230	Matrix Spike Duplicate								
	136	pCi/L	0.20	109	70	130	19	30	
Method: NERHL-65-4									Batch: 05PB-29
Sample ID: C05070910-010A	Sample Duplicate								07/29/05 12:57
Lead 210	ND	pCi/L	1.0		70	130	0	30	
Sample ID: C05070926-002C									07/29/05 12:57
Lead 210	Matrix Spike								
	260	pCi/L	1.0	119	70	130			
Sample ID: MB									07/29/05 12:57
Lead 210	Method Blank								
	ND	pCi/L	.1						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

APPENDIX - D (2 OF 2)

FOURTH QUARTER

LABORATORY QUALITY CONTROL AND

PERFORMANCE REPORT



ANALYTICAL SUMMARY REPORT

November 01, 2005

Larry Bush
United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C05100333

Quote ID: C129 - Quarterly Long List

Project Name: Alluvium

Energy Laboratories Inc. received the following 16 samples from United Nuclear Corp on 10/7/2005 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C05100333-001	509-D	10/03/05 9:55	10/07/05	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
C05100333-002	EPA-23	10/03/05 10:25	10/07/05	Aqueous	Same As Above
C05100333-003	803	10/03/05 11:20	10/07/05	Aqueous	Same As Above
C05100333-004	808	10/03/05 11:55	10/07/05	Aqueous	Same As Above
C05100333-005	802	10/03/05 14:00	10/07/05	Aqueous	Same As Above
C05100333-006	801	10/03/05 14:35	10/07/05	Aqueous	Same As Above
C05100333-007	GW-2	10/03/05 15:14	10/07/05	Aqueous	Same As Above
C05100333-008	SBL-1	10/04/05 9:15	10/07/05	Aqueous	Same As Above
C05100333-009	624	10/04/05 9:55	10/07/05	Aqueous	Same As Above
C05100333-010	624 Duplicate	10/04/05 10:20	10/07/05	Aqueous	Same As Above
C05100333-011	EPA-28	10/04/05 10:55	10/07/05	Aqueous	Same As Above
C05100333-012	GW-1	10/04/05 11:30	10/07/05	Aqueous	Same As Above
C05100333-013	632	10/04/05 12:03	10/07/05	Aqueous	Same As Above
C05100333-014	GW-3	10/04/05 13:35	10/07/05	Aqueous	Same As Above
C05100333-015	EPA-25	10/04/05 14:20	10/07/05	Aqueous	Same As Above



C05100333-016 627

10/04/05 15:12 10/07/05

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:


P.O. LEARY
LABORATORY SUPERVISOR



QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 11/01/05

Work Order: C05100333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B							Batch: 051010_1_ALK-W		
Sample ID: MBLK1_051010_1	Method Blank								10/10/05 17:43
Bicarbonate as HCO ₃	ND	mg/L	1						
Sample ID: MBLK2_051010_1	Method Blank								10/10/05 17:43
Bicarbonate as HCO ₃	ND	mg/L	1						
Method: A2320 B							Batch: 051013_1_ALK-W		
Sample ID: MBLK1_051013_1	Method Blank								10/13/05 17:00
Bicarbonate as HCO ₃	ND	mg/L	1						
Sample ID: MBLK2_051013_1	Method Blank								10/13/05 17:00
Bicarbonate as HCO ₃	ND	mg/L	1						
Sample ID: MBLK3_051013_1	Method Blank								10/13/05 17:00
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: 11/01/05

Work Order: C05100333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C			Batch: 051010A-SLDS-TDS-W						
Sample ID: LCS1_051010A	Laboratory Control Spike								10/10/05 13:14
Solids, Total Dissolved TDS @ 180 C	1020	mg/L	10	102	90	110			
Sample ID: MBLK1_051010A	Method Blank								10/10/05 13:14
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05100291-001AMS	Matrix Spike								10/10/05 13:17
Solids, Total Dissolved TDS @ 180 C	3520	mg/L	10	96.4	90	110			
Sample ID: C05100291-001AMSD	Matrix Spike Duplicate								10/10/05 13:18
Solids, Total Dissolved TDS @ 180 C	3540	mg/L	10	97.1	90	110	0.7	10	
Sample ID: C05100296-001CDUP	Sample Duplicate								10/10/05 13:21
Solids, Total Dissolved TDS @ 180 C	1410	mg/L	10				0.4	10	
Sample ID: C05100296-001CMS	Matrix Spike								10/10/05 13:21
Solids, Total Dissolved TDS @ 180 C	4220	mg/L	10	98.5	90	110			
Sample ID: C05100296-001CMSD	Matrix Spike Duplicate								10/10/05 13:22
Solids, Total Dissolved TDS @ 180 C	4240	mg/L	10	99.2	90	110	0.5	10	
Sample ID: LCS2_051010A	Laboratory Control Spike								10/10/05 13:22
Solids, Total Dissolved TDS @ 180 C	1010	mg/L	10	101	90	110			
Sample ID: MBLK2_051010A	Method Blank								10/10/05 13:23
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05100333-004BMS	Matrix Spike								10/10/05 13:26
Solids, Total Dissolved TDS @ 180 C	10600	mg/L	10	98	90	110			
Sample ID: C05100333-004BMSD	Matrix Spike Duplicate								10/10/05 13:27
Solids, Total Dissolved TDS @ 180 C	10600	mg/L	10	98	90	110	0	10	
Sample ID: C05100333-016BDUP	Sample Duplicate								10/10/05 13:31
Solids, Total Dissolved TDS @ 180 C	4920	mg/L	10				0.3	10	
Sample ID: C05100333-016BMS	Matrix Spike								10/10/05 13:32
Solids, Total Dissolved TDS @ 180 C	9840	mg/L	10	98.1	90	110			
Sample ID: C05100333-016BMSD	Matrix Spike Duplicate								10/10/05 13:32
Solids, Total Dissolved TDS @ 180 C	9850	mg/L	10	98.2	90	110	0	10	
Sample ID: LCS3_051010A	Laboratory Control Spike								10/10/05 13:32
Solids, Total Dissolved TDS @ 180 C	1020	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: 11/01/05

Work Order: C05100333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C							Batch: 051010A-SLDS-TDS-W		
Sample ID: MBLK3_051010A	Method Blank								10/11/05 09:07
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05100244-004ADUP	Sample Duplicate								10/10/05 15:28
Solids, Total Dissolved TDS @ 180 C	85.0	mg/L	10						
Sample ID: C05100244-004ADUP	Sample Duplicate								10/10/05 15:28
Solids, Total Dissolved TDS @ 180 C	100	mg/L	10						
Sample ID: C05100244-004ADUP	Sample Duplicate								10/10/05 15:29
Solids, Total Dissolved TDS @ 180 C	95.0	mg/L	10						
Sample ID: LCS4_051010A	Laboratory Control Spike								10/10/05 15:29
Solids, Total Dissolved TDS @ 180 C	1020	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: 11/01/05

Work Order: C05100333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B			Batch: ASIII3114-051012						
Sample ID: MBLK	Method Blank								10/12/05 10:59
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05100333-007AMS	Matrix Spike								10/12/05 11:20
Arsenic-III	0.0466	mg/L	0.0010	93.1	85	115			
Sample ID: C05100333-007AMSD	Matrix Spike Duplicate								10/12/05 11:22
Arsenic-III	0.0477	mg/L	0.0010	95.3	85	115	2.3	10	
Sample ID: C265-91-2	Laboratory Control Spike								10/12/05 11:24
Arsenic-III	0.0472	mg/L	0.0010	92.6	90	110			
Sample ID: MBLK	Method Blank								10/12/05 11:35
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05100333-016AMS	Matrix Spike								10/12/05 11:58
Arsenic-III	0.0485	mg/L	0.0010	97	85	115			
Sample ID: C05100333-016AMSD	Matrix Spike Duplicate								10/12/05 12:00
Arsenic-III	0.0483	mg/L	0.0010	96.6	85	115	0.4	10	
Sample ID: C265-91-2	Laboratory Control Spike								10/12/05 12:02
Arsenic-III	0.0502	mg/L	0.0010	98.8	90	110			
Sample ID: MBLK	Method Blank								10/12/05 12:08
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05100338-002AMS	Matrix Spike								10/12/05 12:12
Arsenic-III	0.0492	mg/L	0.0010	98.5	85	115			
Sample ID: C05100338-002AMSD	Matrix Spike Duplicate								10/12/05 12:14
Arsenic-III	0.0480	mg/L	0.0010	96	85	115	2.5	10	
Sample ID: C265-91-2	Laboratory Control Spike								10/12/05 12:16
Arsenic-III	0.0481	mg/L	0.0010	94.4	90	110			
Sample ID: MBLK	Method Blank								10/12/05 12:20
Arsenic-III	ND	mg/L	0.0005						

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 11/01/05

Work Order: C05100333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B		Batch: SEIV3114-051012							
Sample ID: MBLK	Method Blank								10/12/05 14:17
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05100333-007AMS	Matrix Spike								10/12/05 14:38
Selenium-IV	0.0519	mg/L	0.0010	104	85	115			
Sample ID: C05100333-007AMSD	Matrix Spike Duplicate								10/12/05 14:40
Selenium-IV	0.0524	mg/L	0.0010	105	85	115	1.1	10	
Sample ID: C265-91-2	Laboratory Control Spike								10/12/05 14:42
Selenium-IV	0.0521	mg/L	0.0010	104	90	110			
Sample ID: MBLK	Method Blank								10/12/05 14:48
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05100333-016AMS	Matrix Spike								10/12/05 15:09
Selenium-IV	0.0553	mg/L	0.0010	111	85	115			
Sample ID: C05100333-016AMSD	Matrix Spike Duplicate								10/12/05 15:14
Selenium-IV	0.0549	mg/L	0.0010	110	85	115	0.7	10	
Sample ID: C265-91-2	Laboratory Control Spike								10/12/05 15:17
Selenium-IV	0.0516	mg/L	0.0010	103	90	110			
Sample ID: MBLK	Method Blank								10/12/05 15:23
Selenium-IV	ND	mg/L	0.0002						
Method: A4500-H B		Batch: PHSC051010A							
Sample ID: C05100296-001C	Sample Duplicate								10/10/05 16:10
pH	4.99	s.u.	0.010				0.2	10	
Sample ID: C05100333-001B	Sample Duplicate								10/10/05 16:30
pH	7.02	s.u.	0.010				0.1	10	
Sample ID: C05100333-011B	Sample Duplicate								10/10/05 16:44
pH	7.30	s.u.	0.010				0	10	
Sample ID: C05100341-001B	Sample Duplicate								10/10/05 17:00
pH	8.09	s.u.	0.010				0.4	10	
Sample ID: C05100224-004A	Sample Duplicate								10/10/05 17:08
pH	8.11	s.u.	0.010				0.1	10	

Qualifiers:

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ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 11/01/05
Work Order: C05100333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G			Batch: A2005-10-10_1_NH3_01						
Sample ID: MBLK-1	Method Blank								10/10/05 14:28
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05100042-001CMS	Matrix Spike								10/10/05 14:41
Nitrogen, Ammonia as N	1.95	mg/L	0.050	96.5	80	120			
Sample ID: C05100042-001CMSD	Matrix Spike Duplicate								10/10/05 14:43
Nitrogen, Ammonia as N	1.95	mg/L	0.050	96.5	80	120	0	20	
Sample ID: MBLK-17	Method Blank								10/10/05 14:59
Nitrogen, Ammonia as N	0.03	mg/L	0.02						
Sample ID: C05100120-003AMS	Matrix Spike								10/10/05 15:11
Nitrogen, Ammonia as N	2.03	mg/L	0.050	98.5	80	120			
Sample ID: C05100120-003AMSD	Matrix Spike Duplicate								10/10/05 15:13
Nitrogen, Ammonia as N	2.04	mg/L	0.050	99	80	120	0.5	20	
Sample ID: MBLK-32	Method Blank								10/10/05 15:31
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05100146-003BMS	Matrix Spike								10/10/05 15:45
Nitrogen, Ammonia as N	1.95	mg/L	0.050	97.5	80	120			
Sample ID: C05100146-003BMSD	Matrix Spike Duplicate								10/10/05 15:47
Nitrogen, Ammonia as N	2.04	mg/L	0.050	102	80	120	4.5	20	
Sample ID: MBLK-50	Method Blank								10/10/05 16:11
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05100333-008DMS	Matrix Spike								10/10/05 16:23
Nitrogen, Ammonia as N	2.25	mg/L	0.050	104	80	120			
Sample ID: C05100333-008DMSD	Matrix Spike Duplicate								10/10/05 16:25
Nitrogen, Ammonia as N	2.34	mg/L	0.050	108	80	120	3.9	20	
Sample ID: MBLK-65	Method Blank								10/10/05 16:41
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05100341-001DMS	Matrix Spike								10/10/05 16:59
Nitrogen, Ammonia as N	1.98	mg/L	0.050	99	80	120			
Sample ID: C05100341-001DMSD	Matrix Spike Duplicate								10/10/05 17:01
Nitrogen, Ammonia as N	2.00	mg/L	0.050	100	80	120	1.0	20	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 11/01/05

Work Order: C05100333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R57002
Sample ID: C05100333-016AMS1	Matrix Spike								10/18/05 15:16
Calcium	1050	mg/L	0.57	98.6	70	130			
Magnesium	763	mg/L	0.53	95.7	70	130			
Potassium	491	mg/L	0.52	97.6	70	130			
Sodium	986	mg/L	0.62	96.4	70	130			
Sample ID: C05100333-016AMS2	Matrix Spike								10/18/05 15:19
Aluminum	8.58	mg/L	0.10	85.8	70	130			
Manganese	8.84	mg/L	0.010	88.4	70	130			
Molybdenum	9.11	mg/L	0.79	91.1	70	130			
Vanadium	8.93	mg/L	0.10	89.3	70	130			
Sample ID: C05100333-016AMS3	Matrix Spike								10/18/05 15:22
Sulfate	3410	mg/L	8.0	88.3	70	130			
Sample ID: C05100333-016AMSD1	Matrix Spike Duplicate								10/18/05 15:34
Calcium	1020	mg/L	0.57	92.6	70	130	2.9	20	
Magnesium	745	mg/L	0.53	92.1	70	130	2.4	20	
Sodium	972	mg/L	0.62	93.6	70	130	1.4	20	
Sample ID: C05100333-016AMSD2	Matrix Spike Duplicate								10/18/05 15:37
Aluminum	8.70	mg/L	0.10	87	70	130	1.4	20	
Manganese	8.97	mg/L	0.010	89.7	70	130	1.5	20	
Molybdenum	9.19	mg/L	0.79	91.9	70	130	0.9	20	
Vanadium	9.07	mg/L	0.10	90.7	70	130	1.6	20	
Sample ID: C05100333-016AMSD3	Matrix Spike Duplicate								10/18/05 15:40
Sulfate	3390	mg/L	8.0	85.9	70	130	0.7	20	
Method: E200.7									Batch: R57314
Sample ID: C05100617-002BMS3	Matrix Spike								10/24/05 11:50
Chloride	975	mg/L	8.0	93.3	70	130			
Sample ID: C05100617-002BMSD3	Matrix Spike Duplicate								10/24/05 12:00
Chloride	947	mg/L	8.0	90.5	70	130	2.9	20	
Sample ID: C05100623-010BMS3	Matrix Spike								10/25/05 09:36
Chloride	268	mg/L	1.0	92.1	70	130			
Sample ID: C05100623-010BMSD3	Matrix Spike Duplicate								10/25/05 09:45
Chloride	267	mg/L	1.0	91.5	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: 11/01/05

Work Order: C05100333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R57131
Sample ID: LRB	Method Blank								10/20/05 14:28
Aluminum	0.0003	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						
Nickel	ND	mg/L	0.00008						
Uranium	ND	mg/L	0.00004						
Vanadium	ND	mg/L	0.00009						
Sample ID: LFB	Laboratory Fortified Blank								10/20/05 14:35
Aluminum	0.0497	mg/L	0.0010	98.7	85	115			
Beryllium	0.0498	mg/L	0.0010	99.6	85	115			
Cadmium	0.0510	mg/L	0.0010	102	85	115			
Cobalt	0.0507	mg/L	0.0010	101	85	115			
Lead	0.0516	mg/L	0.0010	103	85	115			
Nickel	0.0517	mg/L	0.0010	103	85	115			
Uranium	0.0516	mg/L	0.00030	103	85	115			
Vanadium	0.0506	mg/L	0.0010	101	85	115			
Sample ID: C05100643-001AMS4	Post Digestion Spike								10/20/05 16:14
Aluminum	0.0736	mg/L	0.10	93.3	70	130			
Beryllium	0.0467	mg/L	0.010	93.3	70	130			
Cadmium	0.0480	mg/L	0.010	95.6	70	130			
Cobalt	0.0491	mg/L	0.010	98.1	70	130			
Lead	0.0514	mg/L	0.050	102	70	130			
Nickel	0.0461	mg/L	0.050	91.1	70	130			
Uranium	0.0505	mg/L	0.00030	100	70	130			
Vanadium	0.0518	mg/L	0.10	102	70	130			
Sample ID: C05100643-001AMSD4	Post Digestion Spike Dup								10/20/05 16:21
Aluminum	0.0749	mg/L	0.10	95.9	70	130	0	20	
Beryllium	0.0469	mg/L	0.010	93.9	70	130	0.6	20	
Cadmium	0.0494	mg/L	0.010	98.5	70	130	2.9	20	
Cobalt	0.0489	mg/L	0.010	97.7	70	130	0.3	20	
Lead	0.0520	mg/L	0.050	103	70	130	1.1	20	
Nickel	0.0484	mg/L	0.050	95.6	70	130	0	20	
Uranium	0.0523	mg/L	0.00030	104	70	130	3.6	20	
Vanadium	0.0520	mg/L	0.10	103	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: Alluvium

Report Date: 11/01/05

Work Order: C05100333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R57131		
Sample ID: C05100641-004AMS4 Post Digestion Spike							10/20/05 18:14		
Aluminum	0.248	mg/L	0.10	95.2	70	130			
Beryllium	0.212	mg/L	0.010	84.9	70	130			
Cadmium	0.244	mg/L	0.010	97.7	70	130			
Cobalt	0.255	mg/L	0.010	99.1	70	130			
Lead	0.250	mg/L	0.050	100	70	130			
Nickel	0.243	mg/L	0.050	93.5	70	130			
Uranium	0.352	mg/L	0.00030	95.4	70	130			
Vanadium	0.256	mg/L	0.10	101	70	130			
Sample ID: C05100641-004AMS4 Post Digestion Spike Dup							10/20/05 18:47		
Aluminum	0.254	mg/L	0.10	97.6	70	130	2.4	20	
Beryllium	0.224	mg/L	0.010	89.5	70	130	5.3	20	
Cadmium	0.244	mg/L	0.010	97.7	70	130	0	20	
Cobalt	0.254	mg/L	0.010	98.7	70	130	0.4	20	
Lead	0.256	mg/L	0.050	102	70	130	2.1	20	
Nickel	0.243	mg/L	0.050	93.3	70	130	0.2	20	
Uranium	0.368	mg/L	0.00030	102	70	130	4.7	20	
Vanadium	0.257	mg/L	0.10	102	70	130	0.4	20	
Sample ID: C05100332-003AMS4 Post Digestion Spike							10/20/05 22:07		
Aluminum	11.7	mg/L	0.10		70	130			A
Beryllium	0.258	mg/L	0.010	100	70	130			
Cadmium	0.253	mg/L	0.010	99.6	70	130			
Cobalt	0.532	mg/L	0.010	104	70	130			
Lead	0.261	mg/L	0.050	104	70	130			
Nickel	0.596	mg/L	0.050	102	70	130			
Uranium	0.258	mg/L	0.00030	102	70	130			
Vanadium	0.256	mg/L	0.10	103	70	130			
Sample ID: C05100332-003AMS4 Post Digestion Spike Dup							10/20/05 22:14		
Aluminum	11.4	mg/L	0.10		70	130	2.1	20	A
Beryllium	0.256	mg/L	0.010	99.4	70	130	1.1	20	
Cadmium	0.255	mg/L	0.010	100	70	130	0.6	20	
Cobalt	0.538	mg/L	0.010	107	70	130	1.3	20	
Lead	0.265	mg/L	0.050	105	70	130	1.6	20	
Nickel	0.596	mg/L	0.050	102	70	130	0	20	
Uranium	0.272	mg/L	0.00030	108	70	130	5.6	20	
Vanadium	0.257	mg/L	0.10	103	70	130	0.1	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: 11/01/05

Work Order: C05100333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R57131
Sample ID: C05100333-010AMS4 Post Digestion Spike									10/21/05 00:07
Aluminum	0.248	mg/L	0.10	97	70	130			
Beryllium	0.231	mg/L	0.010	92.3	70	130			
Cadmium	0.245	mg/L	0.010	98.1	70	130			
Cobalt	0.246	mg/L	0.010	98	70	130			
Lead	0.256	mg/L	0.050	102	70	130			
Nickel	0.254	mg/L	0.050	101	70	130			
Uranium	0.296	mg/L	0.00030	106	70	130			
Vanadium	0.256	mg/L	0.10	102	70	130			
Sample ID: C05100333-010AMSD4 Post Digestion Spike Dup									10/21/05 00:41
Aluminum	0.255	mg/L	0.10	99.8	70	130	2.8	20	
Beryllium	0.250	mg/L	0.010	100	70	130	8.0	20	
Cadmium	0.243	mg/L	0.010	97.1	70	130	1.0	20	
Cobalt	0.244	mg/L	0.010	97.5	70	130	0.5	20	
Lead	0.260	mg/L	0.050	104	70	130	1.7	20	
Nickel	0.254	mg/L	0.050	100	70	130	0.2	20	
Uranium	0.309	mg/L	0.00030	111	70	130	4.3	20	
Vanadium	0.255	mg/L	0.10	102	70	130	0.4	20	
Sample ID: C05100338-001AMS4 Post Digestion Spike									10/21/05 02:34
Beryllium	0.621	mg/L	0.010	81.5	70	130			
Cadmium	0.523	mg/L	0.010	97.2	70	130			
Cobalt	2.52	mg/L	0.010		70	130			A
Lead	0.513	mg/L	0.050	102	70	130			
Nickel	2.38	mg/L	0.050		70	130			A
Vanadium	3.33	mg/L	0.10		70	130			A
Sample ID: C05100338-001AMSD4 Post Digestion Spike Dup									10/21/05 02:40
Beryllium	0.625	mg/L	0.010	82.2	70	130	0.6	20	
Cadmium	0.519	mg/L	0.010	96.5	70	130	0.7	20	
Cobalt	2.54	mg/L	0.010		70	130	0.8	20	A
Lead	0.520	mg/L	0.050	103	70	130	1.3	20	
Nickel	2.39	mg/L	0.050		70	130	0.4	20	A
Vanadium	3.35	mg/L	0.10		70	130	0.6	20	A
Sample ID: C05100746-001HMS4 Post Digestion Spike									10/21/05 03:40
Aluminum	0.0557	mg/L	0.10	88.1	70	130			
Beryllium	0.0453	mg/L	0.010	90.5	70	130			
Cadmium	0.0447	mg/L	0.010	89.3	70	130			
Cobalt	0.0471	mg/L	0.010	94	70	130			

Qualifiers:

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ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 11/01/05

Work Order: C05100333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R57131		
Sample ID: C05100746-001HMS4 Post Digestion Spike							10/21/05 03:40		
Lead	0.0506	mg/L	0.050	101	70	130			
Nickel	0.0474	mg/L	0.050	94.4	70	130			
Uranium	0.0537	mg/L	0.00030	107	70	130			
Vanadium	0.0578	mg/L	0.10	99.6	70	130			
Sample ID: C05100746-001HMSD4 Post Digestion Spike Dup							10/21/05 03:47		
Aluminum	0.0563	mg/L	0.10	89.3	70	130	0	20	
Beryllium	0.0467	mg/L	0.010	93.5	70	130	3.2	20	
Cadmium	0.0447	mg/L	0.010	89.5	70	130	0.2	20	
Cobalt	0.0479	mg/L	0.010	95.7	70	130	1.7	20	
Lead	0.0519	mg/L	0.050	103	70	130	2.4	20	
Nickel	0.0485	mg/L	0.050	96.5	70	130	0	20	
Uranium	0.0553	mg/L	0.00030	110	70	130	2.8	20	
Vanadium	0.0592	mg/L	0.10	102	70	130	0	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: 11/01/05

Work Order: C05100333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2							Batch: A2005-10-10_1_NO3_01		
Sample ID: MBLK-1	Method Blank								10/10/05 10:16
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: MBLK-17	Method Blank								10/10/05 11:01
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05100296-002DMS	Matrix Spike								10/10/05 11:16
Nitrogen, Nitrate+Nitrite as N	1.99	mg/L	0.10	99.5	90	110			
Sample ID: C05100296-002DMSD	Matrix Spike Duplicate								10/10/05 11:18
Nitrogen, Nitrate+Nitrite as N	2.03	mg/L	0.10	102	90	110	2.0	10	
Sample ID: MBLK-32	Method Blank								10/10/05 11:38
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05100333-006DMS	Matrix Spike								10/10/05 11:56
Nitrogen, Nitrate+Nitrite as N	2.13	mg/L	0.10	94.5	90	110			
Sample ID: C05100333-006DMSD	Matrix Spike Duplicate								10/10/05 11:58
Nitrogen, Nitrate+Nitrite as N	2.13	mg/L	0.10	94.5	90	110	0	10	
Sample ID: MBLK-48	Method Blank								10/10/05 12:18
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 11/01/05

Work Order: C05100333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624 Batch: R56788									
Sample ID: 13-Oct-05_LCS_2	Laboratory Control Spike								10/13/05 09:45
Chloroform	11.0	ug/L	1.0	110	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	96.4	80	120			
Surr: Dibromofluoromethane			1.0	98	70	130			
Surr: p-Bromofluorobenzene			1.0	111	75	125			
Surr: Toluene-d8			1.0	100	80	120			
Sample ID: 13-Oct-05_MBLK_5	Method Blank								10/13/05 11:40
Chloroform	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			0.5	98.4	80	120			
Surr: Dibromofluoromethane			0.5	97.6	70	130			
Surr: p-Bromofluorobenzene			0.5	97.2	75	125			
Surr: Toluene-d8			0.5	101	80	120			
Sample ID: C05100332-001EMS	Matrix Spike								10/13/05 21:26
Chloroform	314	ug/L	5.0	112	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	98.8	80	120			
Surr: Dibromofluoromethane			5.0	102	70	130			
Surr: p-Bromofluorobenzene			5.0	99.6	75	125			
Surr: Toluene-d8			5.0	100	80	120			
Sample ID: C05100332-001EMSD	Matrix Spike Duplicate								10/13/05 22:03
Chloroform	278	ug/L	5.0	76	70	130	12	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	104	80	120	0	10	
Surr: Dibromofluoromethane			5.0	101	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	99.2	75	125	0	10	
Surr: Toluene-d8			5.0	102	80	120	0	10	
Sample ID: C05100338-001EMS	Matrix Spike								10/14/05 09:26
Chloroform	249	ug/L	5.0	113	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	102	80	120			
Surr: Dibromofluoromethane			5.0	113	70	130			
Surr: p-Bromofluorobenzene			5.0	115	75	125			
Surr: Toluene-d8			5.0	94	80	120			
Sample ID: C05100338-001EMSD	Matrix Spike Duplicate								10/14/05 10:05
Chloroform	250	ug/L	5.0	114	70	130	0.5	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	101	80	120	0	10	
Surr: Dibromofluoromethane			5.0	112	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	116	75	125	0	10	
Surr: Toluene-d8			5.0	96	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: 11/01/05

Work Order: C05100333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1									Batch: R57111
Sample ID: C05100332-002A	Matrix Spike								10/14/05 13:00
Gross Alpha minus Rn & U	30.0	pCi/L	1.0	84.9	70	130			
Sample ID: MB-R57111	Method Blank								10/14/05 13:00
Gross Alpha minus Rn & U	ND	pCi/L	1						
Sample ID: LCS-R57111	Laboratory Control Spike								10/14/05 13:00
Gross Alpha minus Rn & U	36.9	pCi/L	1.0	116	70	130			
Method: E903.0									Batch: RA226-1263
Sample ID: C05100333-003ADUP	Sample Duplicate								10/12/05 14:40
Radium 226	ND	pCi/L	0.20				0	410.4	
Sample ID: C05100333-005AMS	Matrix Spike								10/12/05 14:40
Radium 226	27	pCi/L	0.20	83.7	70	130			
Sample ID: MB-RA226-1263	Method Blank								10/12/05 14:40
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-1263	Laboratory Control Spike								10/12/05 14:40
Radium 226	12	pCi/L	0.20	95.7	70	130			
Method: E907.0									Batch: R57261
Sample ID: MB-R57261	Method Blank								10/11/05 10:30
Thorium 230	ND	pCi/L	0.2						
Sample ID: LCS-R57261	Laboratory Control Spike								10/11/05 10:30
Thorium 230	25.4	pCi/L	0.20	102	70	130			
Sample ID: C05100333-016AMS	Matrix Spike								10/11/05 10:30
Thorium 230	119	pCi/L	0.20	95	70	130			
Sample ID: C05100333-016AMSD	Matrix Spike Duplicate								10/11/05 10:30
Thorium 230	119	pCi/L	0.20	95.4	70	130	0	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Alluvium

Report Date: 11/01/05

Work Order: C05100333

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: NERHL-65-4									Batch: R57271
Sample ID: MB-R57271	Method Blank								10/14/05 10:30
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R57271	Laboratory Control Spike								10/14/05 10:30
Lead 210	86	pCi/L	1.0	100	70	130			
Sample ID: C05100333-015ADUP	Sample Duplicate								10/14/05 10:30
Lead 210	ND	pCi/L	1.0				0	30	
Sample ID: C05100338-001AMS	Matrix Spike								10/14/05 10:30
Lead 210	140	pCi/L	1.0	100	70	130			
Method: RA-05									Batch: RA228-1044
Sample ID: LCS-228-RA226-1263	Laboratory Control Spike								10/12/05 14:40
Radium 228	9.0	pCi/L	1.0	96.4	70	130			
Sample ID: MB-RA226-1263	Method Blank								10/12/05 14:40
Radium 228	ND	pCi/L	1						
Sample ID: C05100333-003ADUP	Sample Duplicate								10/12/05 14:40
Radium 228	ND	pCi/L	1.0				0	266.2	
Sample ID: C05100333-009AMS	Matrix Spike								10/12/05 14:40
Radium 228	28	pCi/L	1.0	107	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



ANALYTICAL SUMMARY REPORT

October 27, 2005

Larry Bush
United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C05100332

Quote ID: C129 - Quarterly Long List

Project Name: Zone 1

Energy Laboratories Inc. received the following 3 samples from United Nuclear Corp on 10/7/2005 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C05100332-001	614	10/05/05 8:50	10/07/05	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
C05100332-002	515-A	10/05/05 9:35	10/07/05	Aqueous	Same As Above
C05100332-003	604	10/05/05 10:15	10/07/05	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:


P.O. Leasing
LABORATORY SUPERVISOR



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 10/27/05

Work Order: C05100332

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B							Batch: 051010_1_ALK-W		
Sample ID: MBLK1_051010_1	Method Blank								10/10/05 17:43
Bicarbonate as HCO ₃	ND	mg/L	1						
Sample ID: MBLK2_051010_1	Method Blank								10/10/05 17:43
Bicarbonate as HCO ₃	ND	mg/L	1						
Method: A2320 B							Batch: 051012_2_ALK-W		
Sample ID: MBLK1_051012_2	Method Blank								10/12/05 10:33
Bicarbonate as HCO ₃	ND	mg/L	1						
Sample ID: MBLK2_051012_2	Method Blank								10/12/05 13:53
Bicarbonate as HCO ₃	ND	mg/L	1						

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: 10/27/05

Work Order: C05100332

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C			Batch: 051010A-SLDS-TDS-W						
Sample ID: LCS1_051010A	Laboratory Control Spike								10/10/05 13:14
Solids, Total Dissolved TDS @ 180 C	1020	mg/L	10	102	90	110			
Sample ID: MBLK1_051010A	Method Blank								10/10/05 13:14
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05100291-001AMS	Matrix Spike								10/10/05 13:17
Solids, Total Dissolved TDS @ 180 C	3520	mg/L	10	96.4	90	110			
Sample ID: C05100291-001AMSD	Matrix Spike Duplicate								10/10/05 13:18
Solids, Total Dissolved TDS @ 180 C	3540	mg/L	10	97.1	90	110	0.7	10	
Sample ID: C05100296-001CDUP	Sample Duplicate								10/10/05 13:21
Solids, Total Dissolved TDS @ 180 C	1410	mg/L	10				0.4	10	
Sample ID: C05100296-001CMS	Matrix Spike								10/10/05 13:21
Solids, Total Dissolved TDS @ 180 C	4220	mg/L	10	98.5	90	110			
Sample ID: C05100296-001CMSD	Matrix Spike Duplicate								10/10/05 13:22
Solids, Total Dissolved TDS @ 180 C	4240	mg/L	10	99.2	90	110	0.5	10	
Sample ID: LCS2_051010A	Laboratory Control Spike								10/10/05 13:22
Solids, Total Dissolved TDS @ 180 C	1010	mg/L	10	101	90	110			
Sample ID: MBLK2_051010A	Method Blank								10/10/05 13:23
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05100333-004BMS	Matrix Spike								10/10/05 13:26
Solids, Total Dissolved TDS @ 180 C	10600	mg/L	10	98	90	110			
Sample ID: C05100333-004BMSD	Matrix Spike Duplicate								10/10/05 13:27
Solids, Total Dissolved TDS @ 180 C	10600	mg/L	10	98	90	110	0	10	
Sample ID: C05100333-016BDUP	Sample Duplicate								10/10/05 13:31
Solids, Total Dissolved TDS @ 180 C	4920	mg/L	10				0.3	10	
Sample ID: C05100333-016BMS	Matrix Spike								10/10/05 13:32
Solids, Total Dissolved TDS @ 180 C	9840	mg/L	10	98.1	90	110			
Sample ID: C05100333-016BMSD	Matrix Spike Duplicate								10/10/05 13:32
Solids, Total Dissolved TDS @ 180 C	9850	mg/L	10	98.2	90	110	0	10	
Sample ID: LCS3_051010A	Laboratory Control Spike								10/10/05 13:32
Solids, Total Dissolved TDS @ 180 C	1020	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

Report Date: 10/27/05

Project: Zone 1

Work Order: C05100332

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C							Batch: 051010A-SLDS-TDS-W		
Sample ID: MBLK3_051010A	Method Blank								10/11/05 09:07
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05100244-004ADUP	Sample Duplicate								10/10/05 15:28
Solids, Total Dissolved TDS @ 180 C	85.0	mg/L	10						
Sample ID: C05100244-004ADUP	Sample Duplicate								10/10/05 15:28
Solids, Total Dissolved TDS @ 180 C	100	mg/L	10						
Sample ID: C05100244-004ADUP	Sample Duplicate								10/10/05 15:29
Solids, Total Dissolved TDS @ 180 C	95.0	mg/L	10						
Sample ID: LCS4_051010A	Laboratory Control Spike								10/10/05 15:29
Solids, Total Dissolved TDS @ 180 C	1020	mg/L	10	102	90	110			

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: 10/27/05
Work Order: C05100332

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B		Batch: ASIII3114-051012							
Sample ID: MBLK	Method Blank								10/12/05 10:59
Arsenic-III	0.0009	mg/L	0.0005						
Sample ID: C05100333-007AMS	Matrix Spike								10/12/05 11:20
Arsenic-III	0.0466	mg/L	0.0010	90.7	85	115			
Sample ID: C05100333-007AMSD	Matrix Spike Duplicate								10/12/05 11:22
Arsenic-III	0.0477	mg/L	0.0010	92.9	85	115	2.3	10	
Sample ID: C265-91-2	Laboratory Control Spike								10/12/05 11:24
Arsenic-III	0.0472	mg/L	0.0010	92.6	90	110			
Sample ID: MBLK	Method Blank								10/12/05 11:35
Arsenic-III	0.0009	mg/L	0.0005						
Sample ID: C05100333-016AMS	Matrix Spike								10/12/05 11:58
Arsenic-III	0.0485	mg/L	0.0010	94.6	85	115			
Sample ID: C05100333-016AMSD	Matrix Spike Duplicate								10/12/05 12:00
Arsenic-III	0.0483	mg/L	0.0010	94.2	85	115	0.4	10	
Sample ID: C265-91-2	Laboratory Control Spike								10/12/05 12:02
Arsenic-III	0.0502	mg/L	0.0010	98.8	90	110			
Sample ID: MBLK	Method Blank								10/12/05 12:08
Arsenic-III	0.0008	mg/L	0.0005						
Sample ID: C05100338-002AMS	Matrix Spike								10/12/05 12:12
Arsenic-III	0.0492	mg/L	0.0010	96.5	85	115			
Sample ID: C05100338-002AMSD	Matrix Spike Duplicate								10/12/05 12:14
Arsenic-III	0.0480	mg/L	0.0010	94.1	85	115	2.5	10	
Sample ID: C265-91-2	Laboratory Control Spike								10/12/05 12:16
Arsenic-III	0.0481	mg/L	0.0010	94.4	90	110			
Sample ID: MBLK	Method Blank								10/12/05 12:20
Arsenic-III	0.0008	mg/L	0.0005						

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 10/27/05

Work Order: C05100332

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: SEIV3114-051012		
Sample ID: MBLK	Method Blank								10/12/05 14:17
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05100333-007AMS	Matrix Spike								10/12/05 14:38
Selenium-IV	0.0519	mg/L	0.0010	104	85	115			
Sample ID: C05100333-007AMSD	Matrix Spike Duplicate								10/12/05 14:40
Selenium-IV	0.0524	mg/L	0.0010	105	85	115	1.1	10	
Sample ID: C265-91-2	Laboratory Control Spike								10/12/05 14:42
Selenium-IV	0.0521	mg/L	0.0010	104	90	110			
Sample ID: MBLK	Method Blank								10/12/05 14:48
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05100333-016AMS	Matrix Spike								10/12/05 15:09
Selenium-IV	0.0553	mg/L	0.0010	111	85	115			
Sample ID: C05100333-016AMSD	Matrix Spike Duplicate								10/12/05 15:14
Selenium-IV	0.0549	mg/L	0.0010	110	85	115	0.7	10	
Sample ID: C265-91-2	Laboratory Control Spike								10/12/05 15:17
Selenium-IV	0.0516	mg/L	0.0010	103	90	110			
Sample ID: MBLK	Method Blank								10/12/05 15:23
Selenium-IV	ND	mg/L	0.0002						
Method: A4500-H B							Batch: PHSC051010A		
Sample ID: C05100296-001C	Sample Duplicate								10/10/05 16:10
pH	4.99	s.u.	0.010				0.2	10	
Sample ID: C05100333-001B	Sample Duplicate								10/10/05 16:30
pH	7.02	s.u.	0.010				0.1	10	
Sample ID: C05100333-011B	Sample Duplicate								10/10/05 16:44
pH	7.30	s.u.	0.010				0	10	
Sample ID: C05100341-001B	Sample Duplicate								10/10/05 17:00
pH	8.09	s.u.	0.010				0.4	10	
Sample ID: C05100224-004A	Sample Duplicate								10/10/05 17:08
pH	8.11	s.u.	0.010				0.1	10	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 10/27/05

Work Order: C05100332

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G			Batch: A2005-10-10_1_NH3_01						
Sample ID: MBLK-1	Method Blank								10/10/05 14:28
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05100042-001CMS	Matrix Spike								10/10/05 14:41
Nitrogen, Ammonia as N	1.95	mg/L	0.050	96.5	80	120			
Sample ID: C05100042-001CMSD	Matrix Spike Duplicate								10/10/05 14:43
Nitrogen, Ammonia as N	1.95	mg/L	0.050	96.5	80	120	0		20
Sample ID: MBLK-17	Method Blank								10/10/05 14:59
Nitrogen, Ammonia as N	0.03	mg/L	0.02						
Sample ID: C05100120-003AMS	Matrix Spike								10/10/05 15:11
Nitrogen, Ammonia as N	2.03	mg/L	0.050	98.5	80	120			
Sample ID: C05100120-003AMSD	Matrix Spike Duplicate								10/10/05 15:13
Nitrogen, Ammonia as N	2.04	mg/L	0.050	99	80	120	0.5		20
Sample ID: MBLK-32	Method Blank								10/10/05 15:31
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05100146-003BMS	Matrix Spike								10/10/05 15:45
Nitrogen, Ammonia as N	1.95	mg/L	0.050	97.5	80	120			
Sample ID: C05100146-003BMSD	Matrix Spike Duplicate								10/10/05 15:47
Nitrogen, Ammonia as N	2.04	mg/L	0.050	102	80	120	4.5		20
Sample ID: MBLK-50	Method Blank								10/10/05 16:11
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05100333-008DMS	Matrix Spike								10/10/05 16:23
Nitrogen, Ammonia as N	2.25	mg/L	0.050	104	80	120			
Sample ID: C05100333-008DMSD	Matrix Spike Duplicate								10/10/05 16:25
Nitrogen, Ammonia as N	2.34	mg/L	0.050	108	80	120	3.9		20
Sample ID: MBLK-65	Method Blank								10/10/05 16:41
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05100341-001DMS	Matrix Spike								10/10/05 16:59
Nitrogen, Ammonia as N	1.98	mg/L	0.050	99	80	120			
Sample ID: C05100341-001DMSD	Matrix Spike Duplicate								10/10/05 17:01
Nitrogen, Ammonia as N	2.00	mg/L	0.050	100	80	120	1.0		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: 10/27/05

Work Order: C05100332

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R56877		
Sample ID: LFB-010305D-01	Laboratory Fortified Blank						10/17/05 10:00		
Aluminum	0.964	mg/L	0.10	96.4	85	125			
Calcium	50.9	mg/L	0.50	102	85	125			
Magnesium	51.7	mg/L	0.50	103	85	125			
Manganese	0.981	mg/L	0.010	98.1	85	125			
Molybdenum	0.968	mg/L	0.10	96.8	85	125			
Potassium	48.6	mg/L	0.50	97.2	85	125			
Sodium	48.6	mg/L	0.50	97.2	85	125			
Vanadium	0.985	mg/L	0.10	98.5	85	125			
Sample ID: C05100483-001CMS1	Matrix Spike						10/17/05 10:46		
Calcium	655	mg/L	0.57	92.4	70	130			
Magnesium	641	mg/L	0.53	96.4	70	130			
Potassium	467	mg/L	0.52	92.1	70	130			
Sodium	832	mg/L	0.62	89.9	70	130			
Sample ID: C05100483-001CMS2	Matrix Spike						10/17/05 10:49		
Aluminum	9.65	mg/L	0.10	95.9	70	130			
Manganese	11.5	mg/L	0.010	96.5	70	130			
Molybdenum	9.47	mg/L	0.79	94.7	70	130			
Vanadium	9.69	mg/L	0.10	96.9	70	130			
Sample ID: C05100483-001CMS3	Matrix Spike						10/17/05 10:52		
Chloride	1050	mg/L	8.0	91.8	70	130			
Sulfate	2080	mg/L	8.0	92.3	70	130			
Sample ID: C05100483-001CMSD1	Matrix Spike Duplicate						10/17/05 11:04		
Calcium	679	mg/L	0.57	97.2	70	130	3.6	20	
Magnesium	661	mg/L	0.53	100	70	130	3.1	20	
Potassium	480	mg/L	0.52	94.8	70	130	2.8	20	
Sodium	858	mg/L	0.62	95.1	70	130	3.1	20	
Sample ID: C05100483-001CMSD2	Matrix Spike Duplicate						10/17/05 11:07		
Aluminum	9.43	mg/L	0.10	93.7	70	130	2.3	20	
Manganese	11.3	mg/L	0.010	94.7	70	130	1.6	20	
Molybdenum	9.35	mg/L	0.79	93.5	70	130	1.3	20	
Vanadium	9.56	mg/L	0.10	95.6	70	130	1.4	20	
Sample ID: C05100483-001CMSD3	Matrix Spike Duplicate						10/17/05 11:10		
Chloride	1020	mg/L	8.0	88.5	70	130	3.2	20	
Sulfate	2050	mg/L	8.0	89.6	70	130	1.3	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: 10/27/05

Work Order: C05100332

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R56877		
Sample ID: C05100333-002AMS1	Matrix Spike		10/17/05 14:30						
Calcium	1100	mg/L	0.57	90.6	70	130			
Magnesium	873	mg/L	0.53	92.9	70	130			
Potassium	469	mg/L	0.52	92.4	70	130			
Sodium	600	mg/L	0.62	92.7	70	130			
Sample ID: C05100333-002AMS2	Matrix Spike		10/17/05 14:33						
Aluminum	8.63	mg/L	0.10	86.3	70	130			
Manganese	14.2	mg/L	0.010	89.4	70	130			
Molybdenum	8.94	mg/L	0.79	89.4	70	130			
Vanadium	9.30	mg/L	0.10	93	70	130			
Sample ID: C05100333-002AMS3	Matrix Spike		10/17/05 14:45						
Sulfate	3810	mg/L	8.0	81.9	70	130			
Sample ID: C05100333-002AMSD1	Matrix Spike Duplicate		10/17/05 14:48						
Calcium	1080	mg/L	0.57	85.2	70	130	2.5	20	
Magnesium	852	mg/L	0.53	88.7	70	130	2.4	20	
Potassium	455	mg/L	0.52	89.5	70	130	3.1	20	
Sodium	582	mg/L	0.62	89.1	70	130	3.0	20	
Sample ID: C05100333-002AMSD2	Matrix Spike Duplicate		10/17/05 14:51						
Aluminum	8.50	mg/L	0.10	85	70	130	1.5	20	
Manganese	14.1	mg/L	0.010	88.6	70	130	0.6	20	
Molybdenum	9.13	mg/L	0.79	91.3	70	130	2.1	20	
Vanadium	9.21	mg/L	0.10	92.1	70	130	1.0	20	
Sample ID: C05100333-002AMSD3	Matrix Spike Duplicate		10/17/05 14:54						
Sulfate	3800	mg/L	8.0	81.6	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 1

Report Date: 10/27/05

Work Order: C05100332

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R57131
Sample ID: LRB	Method Blank								10/20/05 14:28
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: LFB	Laboratory Fortified Blank								10/20/05 14:35
Beryllium	0.0498	mg/L	0.0010	99.6	85	115			
Cadmium	0.0510	mg/L	0.0010	102	85	115			
Cobalt	0.0507	mg/L	0.0010	101	85	115			
Lead	0.0516	mg/L	0.0010	103	85	115			
Nickel	0.0517	mg/L	0.0010	103	85	115			
Uranium	0.0516	mg/L	0.00030	103	85	115			
Sample ID: C05100643-001AMS4	Post Digestion Spike								10/20/05 16:14
Beryllium	0.0467	mg/L	0.010	93.3	70	130			
Cadmium	0.0480	mg/L	0.010	95.6	70	130			
Cobalt	0.0491	mg/L	0.010	98.1	70	130			
Lead	0.0514	mg/L	0.050	102	70	130			
Nickel	0.0461	mg/L	0.050	91.1	70	130			
Uranium	0.0505	mg/L	0.00030	100	70	130			
Sample ID: C05100643-001AMSD4	Post Digestion Spike Dup								10/20/05 16:21
Beryllium	0.0469	mg/L	0.010	93.9	70	130	0.6	20	
Cadmium	0.0494	mg/L	0.010	98.5	70	130	2.9	20	
Cobalt	0.0489	mg/L	0.010	97.7	70	130	0.3	20	
Lead	0.0520	mg/L	0.050	103	70	130	1.1	20	
Nickel	0.0484	mg/L	0.050	95.6	70	130	0	20	
Uranium	0.0523	mg/L	0.00030	104	70	130	3.6	20	
Sample ID: C05100641-004AMS4	Post Digestion Spike								10/20/05 18:14
Beryllium	0.212	mg/L	0.010	84.9	70	130			
Cadmium	0.244	mg/L	0.010	97.7	70	130			
Cobalt	0.255	mg/L	0.010	99.1	70	130			
Lead	0.250	mg/L	0.050	100	70	130			
Nickel	0.243	mg/L	0.050	93.5	70	130			
Uranium	0.352	mg/L	0.00030	95.4	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 10/27/05

Work Order: C05100332

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R57131
Sample ID: C05100641-004AMSD4 Post Digestion Spike Dup									10/20/05 18:47
Beryllium	0.224	mg/L	0.010	89.5	70	130	5.3	20	
Cadmium	0.244	mg/L	0.010	97.7	70	130	0	20	
Cobalt	0.254	mg/L	0.010	98.7	70	130	0.4	20	
Lead	0.256	mg/L	0.050	102	70	130	2.1	20	
Nickel	0.243	mg/L	0.050	93.3	70	130	0.2	20	
Uranium	0.368	mg/L	0.00030	102	70	130	4.7	20	
Sample ID: C05100332-003AMS4 Post Digestion Spike									10/20/05 22:07
Beryllium	0.258	mg/L	0.010	100	70	130			
Cadmium	0.253	mg/L	0.010	99.6	70	130			
Cobalt	0.532	mg/L	0.010	104	70	130			
Lead	0.261	mg/L	0.050	104	70	130			
Nickel	0.596	mg/L	0.050	102	70	130			
Uranium	0.258	mg/L	0.00030	102	70	130			
Sample ID: C05100332-003AMSD4 Post Digestion Spike Dup									10/20/05 22:14
Beryllium	0.256	mg/L	0.010	99.4	70	130	1.1	20	
Cadmium	0.255	mg/L	0.010	100	70	130	0.6	20	
Cobalt	0.538	mg/L	0.010	107	70	130	1.3	20	
Lead	0.265	mg/L	0.050	105	70	130	1.6	20	
Nickel	0.596	mg/L	0.050	102	70	130	0	20	
Uranium	0.272	mg/L	0.00030	108	70	130	5.6	20	
Sample ID: C05100333-010AMS4 Post Digestion Spike									10/21/05 00:07
Beryllium	0.231	mg/L	0.010	92.3	70	130			
Cadmium	0.245	mg/L	0.010	98.1	70	130			
Cobalt	0.246	mg/L	0.010	98	70	130			
Lead	0.256	mg/L	0.050	102	70	130			
Nickel	0.254	mg/L	0.050	101	70	130			
Uranium	0.296	mg/L	0.00030	106	70	130			
Sample ID: C05100333-010AMSD4 Post Digestion Spike Dup									10/21/05 00:41
Beryllium	0.250	mg/L	0.010	100	70	130	8.0	20	
Cadmium	0.243	mg/L	0.010	97.1	70	130	1.0	20	
Cobalt	0.244	mg/L	0.010	97.5	70	130	0.5	20	
Lead	0.260	mg/L	0.050	104	70	130	1.7	20	
Nickel	0.254	mg/L	0.050	100	70	130	0.2	20	
Uranium	0.309	mg/L	0.00030	111	70	130	4.3	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: 10/27/05

Work Order: C05100332

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R57131		
Sample ID: C05100338-001AMS4 Post Digestion Spike							10/21/05 02:34		
Beryllium	0.621	mg/L	0.010	81.5	70	130			
Cadmium	0.523	mg/L	0.010	97.2	70	130			
Cobalt	2.52	mg/L	0.010		70	130			A
Lead	0.513	mg/L	0.050	102	70	130			
Nickel	2.38	mg/L	0.050		70	130			A
Sample ID: C05100338-001AMSD4 Post Digestion Spike Dup							10/21/05 02:40		
Beryllium	0.625	mg/L	0.010	82.2	70	130	0.6	20	
Cadmium	0.519	mg/L	0.010	96.5	70	130	0.7	20	
Cobalt	2.54	mg/L	0.010		70	130	0.8	20	A
Lead	0.520	mg/L	0.050	103	70	130	1.3	20	
Nickel	2.39	mg/L	0.050		70	130	0.4	20	A
Sample ID: C05100746-001HMS4 Post Digestion Spike							10/21/05 03:40		
Beryllium	0.0453	mg/L	0.010	90.5	70	130			
Cadmium	0.0447	mg/L	0.010	89.3	70	130			
Cobalt	0.0471	mg/L	0.010	94	70	130			
Lead	0.0506	mg/L	0.050	101	70	130			
Nickel	0.0474	mg/L	0.050	94.4	70	130			
Uranium	0.0537	mg/L	0.00030	107	70	130			
Sample ID: C05100746-001HMSD4 Post Digestion Spike Dup							10/21/05 03:47		
Beryllium	0.0467	mg/L	0.010	93.5	70	130	3.2	20	
Cadmium	0.0447	mg/L	0.010	89.5	70	130	0.2	20	
Cobalt	0.0479	mg/L	0.010	95.7	70	130	1.7	20	
Lead	0.0519	mg/L	0.050	103	70	130	2.4	20	
Nickel	0.0485	mg/L	0.050	96.5	70	130	0	20	
Uranium	0.0553	mg/L	0.00030	110	70	130	2.8	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: 10/27/05

Work Order: C05100332

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2							Batch: A2005-10-10_1_NO3_01		
Sample ID: MBLK-1	Method Blank								10/10/05 10:16
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: MBLK-17	Method Blank								10/10/05 11:01
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05100296-002DMS	Matrix Spike								10/10/05 11:16
Nitrogen, Nitrate+Nitrite as N	1.99	mg/L	0.10	99.5	90	110			
Sample ID: C05100296-002DMSD	Matrix Spike Duplicate								10/10/05 11:18
Nitrogen, Nitrate+Nitrite as N	2.03	mg/L	0.10	102	90	110	2.0	10	
Sample ID: MBLK-32	Method Blank								10/10/05 11:38
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05100333-006DMS	Matrix Spike								10/10/05 11:56
Nitrogen, Nitrate+Nitrite as N	2.13	mg/L	0.10	94.5	90	110			
Sample ID: C05100333-006DMSD	Matrix Spike Duplicate								10/10/05 11:58
Nitrogen, Nitrate+Nitrite as N	2.13	mg/L	0.10	94.5	90	110	0	10	
Sample ID: MBLK-48	Method Blank								10/10/05 12:18
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						

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: 10/27/05

Work Order: C05100332

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624 Batch: R56788									
Sample ID: 13-Oct-05_LCS_2	Laboratory Control Spike								10/13/05 09:45
Chloroform	11.0	ug/L	1.0	110	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	96.4	80	120			
Surr: Dibromofluoromethane			1.0	98	70	130			
Surr: p-Bromofluorobenzene			1.0	111	75	125			
Surr: Toluene-d8			1.0	100	80	120			
Sample ID: 13-Oct-05_MBLK_5	Method Blank								10/13/05 11:40
Chloroform	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			0.5	98.4	80	120			
Surr: Dibromofluoromethane			0.5	97.6	70	130			
Surr: p-Bromofluorobenzene			0.5	97.2	75	125			
Surr: Toluene-d8			0.5	101	80	120			
Sample ID: C05100332-001EMS	Matrix Spike								10/13/05 21:26
Chloroform	314	ug/L	5.0	112	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	98.8	80	120			
Surr: Dibromofluoromethane			5.0	102	70	130			
Surr: p-Bromofluorobenzene			5.0	99.6	75	125			
Surr: Toluene-d8			5.0	100	80	120			
Sample ID: C05100332-001EMSD	Matrix Spike Duplicate								10/13/05 22:03
Chloroform	278	ug/L	5.0	76	70	130	12	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	104	80	120	0	10	
Surr: Dibromofluoromethane			5.0	101	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	99.2	75	125	0	10	
Surr: Toluene-d8			5.0	102	80	120	0	10	
Sample ID: C05100338-001EMS	Matrix Spike								10/14/05 09:26
Chloroform	249	ug/L	5.0	113	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	102	80	120			
Surr: Dibromofluoromethane			5.0	113	70	130			
Surr: p-Bromofluorobenzene			5.0	115	75	125			
Surr: Toluene-d8			5.0	94	80	120			
Sample ID: C05100338-001EMSD	Matrix Spike Duplicate								10/14/05 10:05
Chloroform	250	ug/L	5.0	114	70	130	0.5	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	101	80	120	0	10	
Surr: Dibromofluoromethane			5.0	112	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	116	75	125	0	10	
Surr: Toluene-d8			5.0	96	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: 10/27/05

Work Order: C05100332

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1							Batch: R57111		
Sample ID: C05100332-002A	Matrix Spike						10/14/05 13:00		
Gross Alpha minus Rn & U	30.0	pCi/L	1.0	84.9	70	130			
Sample ID: MB-R57111	Method Blank						10/14/05 13:00		
Gross Alpha minus Rn & U	ND	pCi/L	1						
Sample ID: LCS-R57111	Laboratory Control Spike						10/14/05 13:00		
Gross Alpha minus Rn & U	36.9	pCi/L	1.0	116	70	130			
Method: E903.0							Batch: RA226-1265		
Sample ID: C05100321-001AMS	Matrix Spike						10/12/05 15:15		
Radium 226	20	pCi/L	0.20	95.1	70	130			
Sample ID: C05100321-001AMSD	Matrix Spike Duplicate						10/12/05 15:15		
Radium 226	21	pCi/L	0.20	98.8	70	130	3.8	29.1	
Sample ID: MB-RA226-1265	Method Blank						10/12/05 15:15		
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-1265	Laboratory Control Spike						10/12/05 15:15		
Radium 226	12	pCi/L	0.20	97.8	70	130			
Method: E907.0							Batch: R57261		
Sample ID: MB-R57261	Method Blank						10/11/05 10:30		
Thorium 230	ND	pCi/L	0.2						
Sample ID: LCS-R57261	Laboratory Control Spike						10/11/05 10:30		
Thorium 230	25.4	pCi/L	0.20	102	70	130			
Sample ID: C05100333-016AMS	Matrix Spike						10/11/05 10:30		
Thorium 230	119	pCi/L	0.20	95	70	130			
Sample ID: C05100333-016AMSD	Matrix Spike Duplicate						10/11/05 10:30		
Thorium 230	119	pCi/L	0.20	95.4	70	130	0	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: 10/27/05

Work Order: C05100332

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: NERHL-65-4									Batch: R57271
Sample ID: MB-R57271	Method Blank								10/14/05 10:30
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R57271									10/14/05 10:30
Lead 210	86	pCi/L	1.0	100	70	130			
Sample ID: C05100333-015ADUP									10/14/05 10:30
Lead 210	ND	pCi/L	1.0				0	30	
Sample ID: C05100338-001AMS									10/14/05 10:30
Lead 210	140	pCi/L	1.0	100	70	130			
Method: RA-05									Batch: RA228-1045
Sample ID: LCS-228-RA226-1265									10/12/05 15:50
Radium 228	7.2	pCi/L	1.0	76.7	70	130			
Sample ID: MB-RA226-1265									10/12/05 15:50
Radium 228	ND	pCi/L	1						
Sample ID: C05100441-001AMS									10/12/05 15:50
Radium 228	15	pCi/L	1.0	97.9	70	130			
Sample ID: C05100441-001AMSD									10/12/05 15:50
Radium 228	15	pCi/L	1.0	94.2	70	130	3.8	40.4	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



ANALYTICAL SUMMARY REPORT

November 04, 2005

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

Workorder No.: C05100643

Quote ID: C129 - Quarterly Long List

Project Name: Zone 1

Energy Laboratories Inc. received the following 7 samples from United Nuclear Corp on 10/14/2005 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C05100643-001	TWQ-142	10/10/05 9:00	10/14/05	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
C05100643-002	EPA-2	10/11/05 11:15	10/14/05	Aqueous	Same As Above
C05100643-003	EPA-2 Duplicate	10/11/05 11:43	10/14/05	Aqueous	Same As Above
C05100643-004	EPA-4	10/11/05 13:47	10/14/05	Aqueous	Same As Above
C05100643-005	EPA-5	10/11/05 14:29	10/14/05	Aqueous	Same As Above
C05100643-006	EPA-7	10/11/05 15:02	10/14/05	Aqueous	Same As Above
C05100643-007	Field Blank	10/11/05 15:55	10/14/05	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:


ROGER A. LASHLEY
LABORATORY SUPERVISOR



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 11/04/05

Work Order: C05100643

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B							Batch: 051017_1_ALK-W		
Sample ID: MBLK1_051017_1	Method Blank								10/17/05 15:52
Bicarbonate as HCO ₃	ND	mg/L		1					
Sample ID: MBLK2_051017_1	Method Blank								10/17/05 15:52
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: 11/04/05

Work Order: C05100643

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C			Batch: 051017A-SLDS-TDS-W						
Sample ID: LCS1_051017A	Laboratory Control Spike								10/17/05 13:28
Solids, Total Dissolved TDS @ 180 C	1010	mg/L	10	101	90	110			
Sample ID: MBLK1_051017A	Method Blank								10/17/05 13:28
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05100619-001BMS	Matrix Spike								10/17/05 14:58
Solids, Total Dissolved TDS @ 180 C	5950	mg/L	10	98.2	90	110			
Sample ID: C05100619-001BMSD	Matrix Spike Duplicate								10/17/05 13:32
Solids, Total Dissolved TDS @ 180 C	5950	mg/L	10	98.2	90	110	0	10	
Sample ID: C05100641-004BDUP	Sample Duplicate								10/17/05 13:36
Solids, Total Dissolved TDS @ 180 C	3510	mg/L	10				0.1	10	
Sample ID: C05100641-004BMS	Matrix Spike								10/17/05 13:37
Solids, Total Dissolved TDS @ 180 C	8390	mg/L	10	97.5	90	110			
Sample ID: C05100641-004BMSD	Matrix Spike Duplicate								10/17/05 13:37
Solids, Total Dissolved TDS @ 180 C	8100	mg/L	10	91.7	90	110	3.5	10	
Sample ID: LCS2_051017A	Laboratory Control Spike								10/17/05 13:38
Solids, Total Dissolved TDS @ 180 C	1010	mg/L	10	101	90	110			
Sample ID: MBLK2_051017A	Method Blank								10/17/05 13:38
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05100642-001BMS	Matrix Spike								10/17/05 13:42
Solids, Total Dissolved TDS @ 180 C	15900	mg/L	10	95.4	90	110			
Sample ID: C05100642-001BMSD	Matrix Spike Duplicate								10/17/05 13:42
Solids, Total Dissolved TDS @ 180 C	16100	mg/L	10	98.1	90	110	1.1	10	
Sample ID: C05100647-006ADUP	Sample Duplicate								10/17/05 13:45
Solids, Total Dissolved TDS @ 180 C	305	mg/L	10				1.6	10	
Sample ID: C05100647-006AMS	Matrix Spike								10/17/05 13:45
Solids, Total Dissolved TDS @ 180 C	5220	mg/L	10	98.3	90	110			
Sample ID: C05100647-006AMSD	Matrix Spike Duplicate								10/17/05 13:48
Solids, Total Dissolved TDS @ 180 C	5210	mg/L	10	98	90	110	0.3	10	
Sample ID: LCS3_051017A	Laboratory Control Spike								10/17/05 13:46
Solids, Total Dissolved TDS @ 180 C	1010	mg/L	10	101	90	110			

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: 11/04/05

Work Order: C05100643

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C			Batch: 051017A-SLDS-TDS-W						
Sample ID: MBLK3_051017A	Method Blank								10/17/05 13:48
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05100654-006BDUP	Sample Duplicate								10/17/05 13:51
Solids, Total Dissolved TDS @ 180 C	695	mg/L	10				0.7	10	
Sample ID: C05100654-006BMS	Matrix Spike								10/17/05 13:51
Solids, Total Dissolved TDS @ 180 C	5520	mg/L	10	96.7	90	110			
Sample ID: C05100654-006BMSD	Matrix Spike Duplicate								10/17/05 13:51
Solids, Total Dissolved TDS @ 180 C	5500	mg/L	10	96.2	90	110	0.5	10	
Sample ID: LCS4_051017A	Laboratory Control Spike								10/17/05 13:51
Solids, Total Dissolved TDS @ 180 C	998	mg/L	10	99.8	90	110			
Method: A3114 B			Batch: ASI113114-051020						
Sample ID: MBLK	Method Blank								10/20/05 14:21
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05100641-002AMS	Matrix Spike								10/20/05 15:00
Arsenic-III	0.0501	mg/L	0.0010	100	85	115			
Sample ID: C05100641-002AMSD	Matrix Spike Duplicate								10/20/05 15:02
Arsenic-III	0.0486	mg/L	0.0010	97.1	85	115	3.1	10	
Sample ID: C265-94-3	Laboratory Control Spike								10/20/05 15:03
Arsenic-III	0.0478	mg/L	0.0010	95.6	90	110			
Sample ID: MBLK	Method Blank								10/20/05 15:09
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05100643-007AMS	Matrix Spike								10/20/05 15:51
Arsenic-III	0.0455	mg/L	0.0010	91.1	85	115			
Sample ID: C05100643-007AMSD	Matrix Spike Duplicate								10/20/05 15:53
Arsenic-III	0.0466	mg/L	0.0010	93.3	85	115	2.4	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: 11/04/05

Work Order: C05100643

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: SEIV3114-051020		
Sample ID: MBLK Selenium-IV	Method Blank ND	mg/L	0.0002						10/20/05 11:46
Sample ID: C05100641-002AMS Selenium-IV	Matrix Spike 0.0551	mg/L	0.0010	110	85	115			10/20/05 12:07
Sample ID: C05100641-002AMSD Selenium-IV	Matrix Spike Duplicate 0.0547	mg/L	0.0010	109	85	115	0.7	10	10/20/05 12:09
Sample ID: C265-94-3 Selenium-IV	Laboratory Control Spike 0.0536	mg/L	0.0010	107	90	110			10/20/05 12:11
Sample ID: MBLK Selenium-IV	Method Blank ND	mg/L	0.0002						10/20/05 12:17
Method: A4500-H B							Batch: PHSC051017A		
Sample ID: C05100641-008B pH	Sample Duplicate 6.58	s.u.	0.010				0.3	10	10/17/05 13:31
Sample ID: C05100643-006B pH	Sample Duplicate 6.80	s.u.	0.010				0.3	10	10/17/05 14:20
Sample ID: C05100644-009E pH	Sample Duplicate 7.65	s.u.	0.010				0.1	10	10/17/05 15:05
Sample ID: C05100647-001A pH	Sample Duplicate 8.05	s.u.	0.010				0.1	10	10/17/05 15:12
Sample ID: C05100672-001ADUP pH	Sample Duplicate 7.98	s.u.	0.010				0.1	10	10/17/05 15:33

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: 11/04/05

Work Order: C05100643

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G			Batch: A2005-10-18_1_NH3_01						
Sample ID: MBLK-1	Method Blank								10/18/05 09:22
Nitrogen, Ammonia as N	0.03	mg/L	0.02						
Sample ID: C05100393-001KMS	Matrix Spike								10/18/05 09:36
Nitrogen, Ammonia as N	1.90	mg/L	0.050	92	80	120			
Sample ID: C05100393-001KMSD	Matrix Spike Duplicate								10/18/05 09:40
Nitrogen, Ammonia as N	2.03	mg/L	0.050	98.5	80	120	6.6	20	
Sample ID: MBLK-17	Method Blank								10/18/05 09:56
Nitrogen, Ammonia as N	0.03	mg/L	0.02						
Sample ID: C05100473-001BMS	Matrix Spike								10/18/05 10:14
Nitrogen, Ammonia as N	1.78	mg/L	0.050	88	80	120			
Sample ID: C05100473-001BMSD	Matrix Spike Duplicate								10/18/05 10:16
Nitrogen, Ammonia as N	1.91	mg/L	0.050	94.5	80	120	7.0	20	
Sample ID: MBLK-32	Method Blank								10/18/05 10:32
Nitrogen, Ammonia as N	0.03	mg/L	0.02						
Sample ID: C05100612-002CMS	Matrix Spike								10/18/05 10:50
Nitrogen, Ammonia as N	2.60	mg/L	0.050	111	80	120			
Sample ID: C05100612-002CMSD	Matrix Spike Duplicate								10/18/05 10:52
Nitrogen, Ammonia as N	2.45	mg/L	0.050	104	80	120	5.9	20	
Sample ID: MBLK-48	Method Blank								10/18/05 11:13
Nitrogen, Ammonia as N	0.04	mg/L	0.02						
Sample ID: MBLK-63	Method Blank								10/18/05 11:42
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05100643-004DMS	Matrix Spike								10/18/05 12:13
Nitrogen, Ammonia as N	3.00	mg/L	0.050	112	80	120			
Sample ID: C05100643-004DMSD	Matrix Spike Duplicate								10/18/05 12:15
Nitrogen, Ammonia as N	2.91	mg/L	0.050	108	80	120	3.0	20	
Sample ID: MBLK-79	Method Blank								10/18/05 12:31
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05100644-008CMS	Matrix Spike								10/18/05 12:43
Nitrogen, Ammonia as N	2.17	mg/L	0.050	107	80	120			

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: 11/04/05

Work Order: C05100643

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G							Batch: A2005-10-18_1_NH3_01		
Sample ID: C05100644-008CMSD	Matrix Spike Duplicate								10/18/05 12:45
Nitrogen, Ammonia as N	2.03	mg/L	0.050	100	80	120	6.7	20	
Sample ID: MBLK-94	Method Blank								10/18/05 13:04
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05100647-004BMS	Matrix Spike								10/18/05 13:17
Nitrogen, Ammonia as N	2.00	mg/L	0.050	98	80	120			
Sample ID: C05100647-004BMSD	Matrix Spike Duplicate								10/18/05 13:18
Nitrogen, Ammonia as N	2.08	mg/L	0.050	102	80	120	3.9	20	
Sample ID: MBLK-110	Method Blank								10/18/05 13:35
Nitrogen, Ammonia as N	0.04	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: 11/04/05

Work Order: C05100643

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R57084		
Sample ID: LFB-101805-07A Laboratory Fortified Blank							10/19/05 14:01		
Aluminum	1.92	mg/L	0.10	96	85	125			
Calcium	50.6	mg/L	0.50	101	85	125			
Magnesium	52.2	mg/L	0.50	104	85	125			
Manganese	1.96	mg/L	0.010	97.9	85	125			
Molybdenum	1.93	mg/L	0.10	96.5	85	125			
Potassium	50.4	mg/L	0.50	101	85	125			
Sodium	50.9	mg/L	0.50	102	85	125			
Sulfate	0.571	mg/L	1.0	0	85	125			
Vanadium	1.99	mg/L	0.10	99.6	85	125			
Sample ID: C05100296-001AMS1 Matrix Spike							10/19/05 14:19		
Calcium	713	mg/L	0.50	92.1	70	130			
Magnesium	521	mg/L	0.50	104	70	130			
Potassium	469	mg/L	0.50	93.8	70	130			
Sodium	533	mg/L	0.50	94.1	70	130			
Sample ID: C05100296-001AMS2 Matrix Spike							10/19/05 14:22		
Aluminum	9.37	mg/L	0.10	90	70	130			
Manganese	10.9	mg/L	0.010	92.7	70	130			
Molybdenum	9.05	mg/L	0.10	90.5	70	130			
Vanadium	9.33	mg/L	0.10	93.3	70	130			
Sample ID: C05100296-001AMS3 Matrix Spike							10/19/05 14:25		
Sulfate	1780	mg/L	1.0	91.4	70	130			
Sample ID: C05100296-001AMSD1 Matrix Spike Duplicate							10/19/05 14:28		
Calcium	732	mg/L	0.50	95.9	70	130	2.6	20	
Magnesium	536	mg/L	0.50	107	70	130	2.8	20	
Potassium	490	mg/L	0.50	98	70	130	4.4	20	
Sodium	557	mg/L	0.50	98.9	70	130	4.4	20	
Sample ID: C05100296-001AMSD2 Matrix Spike Duplicate							10/19/05 14:32		
Aluminum	9.33	mg/L	0.10	89.6	70	130	0.4	20	
Manganese	10.8	mg/L	0.010	92.1	70	130	0.6	20	
Molybdenum	9.33	mg/L	0.10	93.3	70	130	3.0	20	
Vanadium	9.24	mg/L	0.10	92.4	70	130	1.0	20	
Sample ID: C05100296-001AMSD3 Matrix Spike Duplicate							10/19/05 14:35		
Sulfate	1770	mg/L	1.0	90.6	70	130	0.5	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: 11/04/05

Work Order: C05100643

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R57084		
Sample ID: C05100641-001AMS1	Matrix Spike						10/19/05 15:57		
Calcium	1070	mg/L	0.57	92	70	130			
Magnesium	794	mg/L	0.53	95	70	130			
Potassium	480	mg/L	0.52	95.1	70	130			
Sodium	604	mg/L	0.62	94.1	70	130			
Sample ID: C05100641-001AMS2	Matrix Spike						10/19/05 16:00		
Aluminum	9.06	mg/L	0.10	90.6	70	130			
Manganese	14.9	mg/L	0.010	92.2	70	130			
Molybdenum	10.1	mg/L	0.79	90.3	70	130			
Vanadium	9.54	mg/L	0.10	95.4	70	130			
Sample ID: C05100641-001AMS3	Matrix Spike						10/19/05 16:12		
Chloride	948	mg/L	1.0	89.4	70	130			
Sulfate	3460	mg/L	8.0	81.8	70	130			
Sample ID: C05100641-001AMSD1	Matrix Spike Duplicate						10/19/05 16:15		
Calcium	1060	mg/L	0.57	90.2	70	130	0.8	20	
Magnesium	788	mg/L	0.53	93.8	70	130	0.8	20	
Potassium	484	mg/L	0.52	95.8	70	130	0.7	20	
Sodium	612	mg/L	0.62	95.7	70	130	1.3	20	
Sample ID: C05100641-001AMSD2	Matrix Spike Duplicate						10/19/05 16:18		
Aluminum	8.97	mg/L	0.10	89.7	70	130	1.0	20	
Manganese	14.7	mg/L	0.010	90.2	70	130	1.3	20	
Molybdenum	10.1	mg/L	0.79	90.4	70	130	0	20	
Vanadium	9.50	mg/L	0.10	95	70	130	0.4	20	
Sample ID: C05100641-001AMSD3	Matrix Spike Duplicate						10/19/05 16:21		
Chloride	955	mg/L	1.0	90	70	130	0.7	20	
Sulfate	3450	mg/L	8.0	80.9	70	130	0.3	20	
Sample ID: C05100643-001AMS1	Matrix Spike						10/19/05 18:03		
Calcium	513	mg/L	0.57	98	70	130			
Magnesium	511	mg/L	0.53	100	70	130			
Potassium	484	mg/L	0.52	96.2	70	130			
Sodium	791	mg/L	0.62	95.8	70	130			
Sample ID: C05100643-001AMS2	Matrix Spike						10/19/05 18:06		
Aluminum	9.38	mg/L	0.10	93.5	70	130			
Manganese	9.33	mg/L	0.010	93.3	70	130			
Molybdenum	9.20	mg/L	0.79	92	70	130			

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: 11/04/05

Work Order: C05100643

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R57084
Sample ID: C05100643-001AMS2 Matrix Spike									10/19/05 18:06
Vanadium	9.32	mg/L	0.10	93.2	70	130			
Sample ID: C05100643-001AMS3 Matrix Spike									10/19/05 18:09
Chloride	938	mg/L	1.0	92	70	130			
Sulfate	1470	mg/L	8.0	91.5	70	130			
Sample ID: C05100643-001AMSD1 Matrix Spike Duplicate									10/19/05 18:12
Calcium	521	mg/L	0.57	99.6	70	130	1.5	20	
Magnesium	519	mg/L	0.53	102	70	130	1.6	20	
Potassium	495	mg/L	0.52	98.3	70	130	2.1	20	
Sodium	801	mg/L	0.62	97.8	70	130	1.3	20	
Sample ID: C05100643-001AMSD2 Matrix Spike Duplicate									10/19/05 18:15
Aluminum	9.42	mg/L	0.10	93.9	70	130	0.4	20	
Manganese	9.35	mg/L	0.010	93.5	70	130	0.2	20	
Molybdenum	9.38	mg/L	0.79	93.8	70	130	1.9	20	
Vanadium	9.34	mg/L	0.10	93.4	70	130	0.2	20	
Sample ID: C05100643-001AMSD3 Matrix Spike Duplicate									10/19/05 18:18
Chloride	924	mg/L	1.0	90.6	70	130	1.5	20	
Sulfate	1480	mg/L	8.0	92	70	130	0.3	20	
Sample ID: LFB-101805-07A Laboratory Fortified Blank									10/20/05 09:02
Aluminum	1.95	mg/L	0.10	97.6	85	125			
Calcium	51.7	mg/L	0.50	103	85	125			
Magnesium	52.4	mg/L	0.50	105	85	125			
Manganese	1.98	mg/L	0.010	98.9	85	125			
Molybdenum	1.96	mg/L	0.10	98.2	85	125			
Potassium	50.1	mg/L	0.50	100	85	125			
Sodium	50.1	mg/L	0.50	100	85	125			
Sulfate	0.599	mg/L	1.0	0	85	125			
Vanadium	2.01	mg/L	0.10	100	85	125			

Qualifiers:

- Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 11/04/05

Work Order: C05100643

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R57314
Sample ID: C05100617-002BMS3	Matrix Spike								10/24/05 11:50
Chloride	975	mg/L	8.0	93.3	70	130			
Sample ID: C05100617-002BMSD3	Matrix Spike Duplicate								10/24/05 12:00
Chloride	947	mg/L	8.0	90.5	70	130	2.9		20
Sample ID: C05100623-010BMS3	Matrix Spike								10/25/05 09:36
Chloride	268	mg/L	1.0	92.1	70	130			
Sample ID: C05100623-010BMSD3	Matrix Spike Duplicate								10/25/05 09:45
Chloride	267	mg/L	1.0	91.5	70	130	0.2		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: 11/04/05

Work Order: C05100643

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									
Batch: R57131									
Sample ID: LRB	Method Blank								10/20/05 14:28
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: LFB	Laboratory Fortified Blank								10/20/05 14:35
Beryllium	0.0498	mg/L	0.0010	99.6	85	115			
Cadmium	0.0510	mg/L	0.0010	102	85	115			
Cobalt	0.0507	mg/L	0.0010	101	85	115			
Lead	0.0516	mg/L	0.0010	103	85	115			
Nickel	0.0517	mg/L	0.0010	103	85	115			
Uranium	0.0516	mg/L	0.00030	103	85	115			
Sample ID: C05100643-001AMS4	Post Digestion Spike								10/20/05 16:14
Beryllium	0.0467	mg/L	0.010	93.3	70	130			
Cadmium	0.0480	mg/L	0.010	95.6	70	130			
Cobalt	0.0491	mg/L	0.010	98.1	70	130			
Lead	0.0514	mg/L	0.050	102	70	130			
Nickel	0.0461	mg/L	0.050	91.1	70	130			
Uranium	0.0505	mg/L	0.00030	100	70	130			
Sample ID: C05100643-001AMSD4	Post Digestion Spike Dup								10/20/05 16:21
Beryllium	0.0469	mg/L	0.010	93.9	70	130	0.6	20	
Cadmium	0.0494	mg/L	0.010	98.5	70	130	2.9	20	
Cobalt	0.0489	mg/L	0.010	97.7	70	130	0.3	20	
Lead	0.0520	mg/L	0.050	103	70	130	1.1	20	
Nickel	0.0484	mg/L	0.050	95.6	70	130	0	20	
Uranium	0.0523	mg/L	0.00030	104	70	130	3.6	20	
Sample ID: C05100641-004AMS4	Post Digestion Spike								10/20/05 18:14
Beryllium	0.212	mg/L	0.010	84.9	70	130			
Cadmium	0.244	mg/L	0.010	97.7	70	130			
Cobalt	0.255	mg/L	0.010	99.1	70	130			
Lead	0.250	mg/L	0.050	100	70	130			
Nickel	0.243	mg/L	0.050	93.5	70	130			
Uranium	0.352	mg/L	0.00030	95.4	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 1

Report Date: 11/04/05

Work Order: C05100643

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R57131		
Sample ID: C05100641-004AMSD4 Post Digestion Spike Dup							10/20/05 18:47		
Beryllium	0.224	mg/L	0.010	89.5	70	130	5.3	20	
Cadmium	0.244	mg/L	0.010	97.7	70	130	0	20	
Cobalt	0.254	mg/L	0.010	98.7	70	130	0.4	20	
Lead	0.256	mg/L	0.050	102	70	130	2.1	20	
Nickel	0.243	mg/L	0.050	93.3	70	130	0.2	20	
Uranium	0.368	mg/L	0.00030	102	70	130	4.7	20	
Sample ID: C05100332-003AMS4 Post Digestion Spike							10/20/05 22:07		
Beryllium	0.258	mg/L	0.010	100	70	130			
Cadmium	0.253	mg/L	0.010	99.6	70	130			
Cobalt	0.532	mg/L	0.010	104	70	130			
Lead	0.261	mg/L	0.050	104	70	130			
Nickel	0.596	mg/L	0.050	102	70	130			
Uranium	0.258	mg/L	0.00030	102	70	130			
Sample ID: C05100332-003AMSD4 Post Digestion Spike Dup							10/20/05 22:14		
Beryllium	0.256	mg/L	0.010	99.4	70	130	1.1	20	
Cadmium	0.255	mg/L	0.010	100	70	130	0.6	20	
Cobalt	0.538	mg/L	0.010	107	70	130	1.3	20	
Lead	0.265	mg/L	0.050	105	70	130	1.6	20	
Nickel	0.596	mg/L	0.050	102	70	130	0	20	
Uranium	0.272	mg/L	0.00030	108	70	130	5.6	20	
Sample ID: C05100333-010AMS4 Post Digestion Spike							10/21/05 00:07		
Beryllium	0.231	mg/L	0.010	92.3	70	130			
Cadmium	0.245	mg/L	0.010	98.1	70	130			
Cobalt	0.246	mg/L	0.010	98	70	130			
Lead	0.256	mg/L	0.050	102	70	130			
Nickel	0.254	mg/L	0.050	101	70	130			
Uranium	0.296	mg/L	0.00030	106	70	130			
Sample ID: C05100333-010AMSD4 Post Digestion Spike Dup							10/21/05 00:41		
Beryllium	0.250	mg/L	0.010	100	70	130	8.0	20	
Cadmium	0.243	mg/L	0.010	97.1	70	130	1.0	20	
Cobalt	0.244	mg/L	0.010	97.5	70	130	0.5	20	
Lead	0.260	mg/L	0.050	104	70	130	1.7	20	
Nickel	0.254	mg/L	0.050	100	70	130	0.2	20	
Uranium	0.309	mg/L	0.00030	111	70	130	4.3	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: 11/04/05

Work Order: C05100643

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.3							Batch: R57131		
Sample ID: C05100338-001AMS4		Post Digestion Spike					10/21/05 02:34		
Beryllium	0.621	mg/L	0.010	81.5	70	130			
Cadmium	0.523	mg/L	0.010	97.2	70	130			
Cobalt	2.52	mg/L	0.010		70	130			A
Lead	0.513	mg/L	0.050	102	70	130			
Nickel	2.38	mg/L	0.050		70	130			A
Sample ID: C05100338-001AMSD4		Post Digestion Spike Dup					10/21/05 02:40		
Beryllium	0.625	mg/L	0.010	82.2	70	130	0.6	20	
Cadmium	0.519	mg/L	0.010	96.5	70	130	0.7	20	
Cobalt	2.54	mg/L	0.010		70	130	0.8	20	A
Lead	0.520	mg/L	0.050	103	70	130	1.3	20	
Nickel	2.39	mg/L	0.050		70	130	0.4	20	A
Sample ID: C05100746-001HMS4		Post Digestion Spike					10/21/05 03:40		
Beryllium	0.0453	mg/L	0.010	90.5	70	130			
Cadmium	0.0447	mg/L	0.010	89.3	70	130			
Cobalt	0.0471	mg/L	0.010	94	70	130			
Lead	0.0506	mg/L	0.050	101	70	130			
Nickel	0.0474	mg/L	0.050	94.4	70	130			
Uranium	0.0537	mg/L	0.00030	107	70	130			
Sample ID: C05100746-001HMSD4		Post Digestion Spike Dup					10/21/05 03:47		
Beryllium	0.0467	mg/L	0.010	93.5	70	130	3.2	20	
Cadmium	0.0447	mg/L	0.010	89.5	70	130	0.2	20	
Cobalt	0.0479	mg/L	0.010	95.7	70	130	1.7	20	
Lead	0.0519	mg/L	0.050	103	70	130	2.4	20	
Nickel	0.0485	mg/L	0.050	96.5	70	130	0	20	
Uranium	0.0553	mg/L	0.00030	110	70	130	2.8	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: 11/04/05

Work Order: C05100643

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2			Batch: A2005-10-17_1_NO3_01						
Sample ID: MBLK-1	Method Blank								10/17/05 10:50
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: LCS-2	Laboratory Control Spike								10/17/05 10:53
Nitrogen, Nitrate+Nitrite as N	2.46	mg/L	0.10	98.4	90	110			
Sample ID: C05100641-003DMS	Matrix Spike								10/17/05 11:08
Nitrogen, Nitrate+Nitrite as N	2.14	mg/L	0.10	107	90	110			
Sample ID: C05100641-003DMSD	Matrix Spike Duplicate								10/17/05 11:10
Nitrogen, Nitrate+Nitrite as N	2.11	mg/L	0.10	106	90	110	1.4	10	
Sample ID: MBLK-17	Method Blank								10/17/05 11:30
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05100643-003DMS	Matrix Spike								10/17/05 11:45
Nitrogen, Nitrate+Nitrite as N	2.07	mg/L	0.10	104	90	110			
Sample ID: C05100643-003DMSD	Matrix Spike Duplicate								10/17/05 11:48
Nitrogen, Nitrate+Nitrite as N	2.15	mg/L	0.10	108	90	110	3.8	10	
Sample ID: MBLK-32	Method Blank								10/17/05 12:08
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: LCS-33	Laboratory Control Spike								10/17/05 12:10
Nitrogen, Nitrate+Nitrite as N	2.43	mg/L	0.10	97.2	90	110			
Sample ID: C05100647-004BMS	Matrix Spike								10/17/05 12:25
Nitrogen, Nitrate+Nitrite as N	3.15	mg/L	0.10	99	90	110			
Sample ID: C05100647-004BMSD	Matrix Spike Duplicate								10/17/05 12:28
Nitrogen, Nitrate+Nitrite as N	3.18	mg/L	0.10	101	90	110	0.9	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: 11/04/05

Work Order: C05100643

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R56895
Sample ID: 17-Oct-05_LCS_3	Laboratory Control Spike								10/17/05 12:36
Chloroform	11.4	ug/L	1.0	114	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	96.8	80	120			
Surr: Dibromofluoromethane			1.0	114	70	130			
Surr: p-Bromofluorobenzene			1.0	108	75	125			
Surr: Toluene-d8			1.0	95.2	80	120			
Sample ID: 17-Oct-05_MBLK_6	Method Blank								10/17/05 14:32
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	93.6	75	125			
Surr: Toluene-d8			0.5	96	80	120			
Sample ID: C05100641-001EMS	Matrix Spike								10/17/05 21:59
Chloroform	111	ug/L	5.0	111	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	101	80	120			
Surr: Dibromofluoromethane			5.0	119	70	130			
Surr: p-Bromofluorobenzene			5.0	118	75	125			
Surr: Toluene-d8			5.0	94	80	120			
Sample ID: C05100641-001EMSD	Matrix Spike Duplicate								10/17/05 22:38
Chloroform	114	ug/L	5.0	114	70	130	2.1	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	103	80	120	0	10	
Surr: Dibromofluoromethane			5.0	117	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	116	75	125	0	10	
Surr: Toluene-d8			5.0	94.4	80	120	0	10	
Sample ID: C05100643-001EMS	Matrix Spike								10/18/05 09:25
Chloroform	106	ug/L	5.0	106	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	104	80	120			
Surr: Dibromofluoromethane			5.0	116	70	130			
Surr: p-Bromofluorobenzene			5.0	121	75	125			
Surr: Toluene-d8			5.0	94	80	120			
Sample ID: C05100643-001EMSD	Matrix Spike Duplicate								10/18/05 10:03
Chloroform	111	ug/L	5.0	111	70	130	4.1	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	102	80	120	0	10	
Surr: Dibromofluoromethane			5.0	118	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	116	75	125	0	10	
Surr: Toluene-d8			5.0	92.4	80	120	0	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: 11/04/05
Work Order: C05100643

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							Batch: R57063		
Sample ID: 19-Oct-05_LCS_3	Laboratory Control Spike		10/19/05 11:28						
Chloroform	4.24	ug/L	1.0	84.8	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	93.6	80	120			
Surr: Dibromofluoromethane			1.0	100	70	130			
Surr: p-Bromofluorobenzene			1.0	101	75	125			
Surr: Toluene-d8			1.0	91.2	80	120			
Sample ID: 19-Oct-05_MBLK_8	Method Blank		10/19/05 15:10						
Chloroform	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			0.5	110	80	120			
Surr: Dibromofluoromethane			0.5	100	70	130			
Surr: p-Bromofluorobenzene			0.5	100	75	125			
Surr: Toluene-d8			0.5	92.8	80	120			
Sample ID: C05100719-001BMS	Matrix Spike		10/19/05 21:15						
Chloroform	108	ug/L	5.0	108	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	122	80	120			S
Surr: Dibromofluoromethane			5.0	109	70	130			
Surr: p-Bromofluorobenzene			5.0	120	75	125			
Surr: Toluene-d8			5.0	109	80	120			
- S=Surrogate recovery outside QC advisory limits. Since the remainder of the QA is acceptable, the batch is approved.									
Sample ID: C05100719-001BMSD	Matrix Spike Duplicate		10/19/05 21:54						
Chloroform	96.0	ug/L	5.0	96	70	130	11	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	115	80	120	0	10	
Surr: Dibromofluoromethane			5.0	99.2	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	120	75	125	0	10	
Surr: Toluene-d8			5.0	99.2	80	120	0	10	
Method: E900.1							Batch: R57367		
Sample ID: C05100608-001A	Matrix Spike		10/20/05 16:55						
Gross Alpha minus Rn & U	36.7	pCi/L	1.0	83.3	70	130			
Sample ID: MB-R57367	Method Blank		10/20/05 16:55						
Gross Alpha minus Rn & U	ND	pCi/L	1						
Sample ID: LCS-R57367	Laboratory Control Spike		10/20/05 16:55						
Gross Alpha minus Rn & U	36.2	pCi/L	1.0	114	70	130			

Qualifiers:

RL - 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: 11/04/05

Work Order: C05100643

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0							Batch: RA226-1270		
Sample ID: C05100641-003AMS	Matrix Spike								10/17/05 15:15
Radium 226	24	pCi/L	0.20	94.6	70	130			
Sample ID: C05100641-003AMSD	Matrix Spike Duplicate								10/17/05 15:15
Radium 226	25	pCi/L	0.20	99.4	70	130	4.1	27.1	
Sample ID: MB-RA226-1270	Method Blank								10/17/05 15:15
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-1270	Laboratory Control Spike								10/17/05 15:15
Radium 226	12	pCi/L	0.20	95.5	70	130			
Method: E907.0							Batch: R57468		
Sample ID: MB-R57468	Method Blank								10/25/05 10:30
Thorium 230	ND	pCi/L	0.2						
Sample ID: LCS-R57468	Laboratory Control Spike								10/25/05 10:30
Thorium 230	24.2	pCi/L	0.20	96.8	70	130			
Sample ID: C05100643-007AMS	Matrix Spike								10/25/05 10:30
Thorium 230	108	pCi/L	0.20	86.6	70	130			
Sample ID: C05100643-007AMSD	Matrix Spike Duplicate								10/25/05 10:30
Thorium 230	129	pCi/L	0.20	103	70	130	18	30	
Method: NERHL-65-4							Batch: R57467		
Sample ID: MB-R57467	Method Blank								10/25/05 10:30
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R57467	Laboratory Control Spike								10/25/05 10:30
Lead 210	73	pCi/L	1.0	85.7	70	130			
Sample ID: C05100643-005ADUP	Sample Duplicate								10/25/05 10:30
Lead 210	ND	pCi/L	1.0				0	30	
Sample ID: C05100643-006AMS	Matrix Spike								10/25/05 10:30
Lead 210	240	pCi/L	1.0	114	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: 11/04/05

Work Order: C05100643

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05							Batch: RA228-1050		
Sample ID: LCS-228-RA226-1270	Laboratory Control Spike								10/17/05 15:15
Radium 228	7.2	pCi/L	1.0	77	70	130			
Sample ID: MB-RA226-1270	Method Blank								10/17/05 15:15
Radium 228	ND	pCi/L	1						
Sample ID: C05100641-009AMS	Matrix Spike								10/17/05 15:15
Radium 228	28	pCi/L	1.0	84.3	70	130			
Sample ID: C05100641-009AMSD	Matrix Spike Duplicate								10/17/05 15:15
Radium 228	31	pCi/L	1.0	98.9	70	130	7.7	28.5	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



ANALYTICAL SUMMARY REPORT

November 03, 2005

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

Workorder No.: C05100338

Quote ID: C129 - Quarterly Long List

Project Name: Zone 3

Energy Laboratories Inc. received the following 2 samples from United Nuclear Corp on 10/7/2005 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C05100338-001	613	10/05/05 10:55	10/07/05	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
C05100338-002	Field Blank	10/05/05 11:35	10/07/05	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:

P.A. Loring
ROGER GARDNER
LABORATORY SUPERVISOR



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 11/03/05

Work Order: C05100338

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B							Batch: 051010_1_ALK-W		
Sample ID: MBLK1_051010_1	Method Blank								10/10/05 17:43
Bicarbonate as HCO ₃	ND	mg/L		1					
Sample ID: MBLK2_051010_1	Method Blank								10/10/05 17:43
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: 11/03/05

Work Order: C05100338

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C			Batch: 051010A-SLDS-TDS-W						
Sample ID: LCS1_051010A	Laboratory Control Spike								10/10/05 13:14
Solids, Total Dissolved TDS @ 180 C	1020	mg/L	10	102	90	110			
Sample ID: MBLK1_051010A	Method Blank								10/10/05 13:14
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05100291-001AMS	Matrix Spike								10/10/05 13:17
Solids, Total Dissolved TDS @ 180 C	3520	mg/L	10	96.4	90	110			
Sample ID: C05100291-001AMSD	Matrix Spike Duplicate								10/10/05 13:18
Solids, Total Dissolved TDS @ 180 C	3540	mg/L	10	97.1	90	110	0.7	10	
Sample ID: C05100296-001CDUP	Sample Duplicate								10/10/05 13:21
Solids, Total Dissolved TDS @ 180 C	1410	mg/L	10				0.4	10	
Sample ID: C05100296-001CMS	Matrix Spike								10/10/05 13:21
Solids, Total Dissolved TDS @ 180 C	4220	mg/L	10	98.5	90	110			
Sample ID: C05100296-001CMSD	Matrix Spike Duplicate								10/10/05 13:22
Solids, Total Dissolved TDS @ 180 C	4240	mg/L	10	99.2	90	110	0.5	10	
Sample ID: LCS2_051010A	Laboratory Control Spike								10/10/05 13:22
Solids, Total Dissolved TDS @ 180 C	1010	mg/L	10	101	90	110			
Sample ID: MBLK2_051010A	Method Blank								10/10/05 13:23
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05100333-004BMS	Matrix Spike								10/10/05 13:26
Solids, Total Dissolved TDS @ 180 C	10600	mg/L	10	98	90	110			
Sample ID: C05100333-004BMSD	Matrix Spike Duplicate								10/10/05 13:27
Solids, Total Dissolved TDS @ 180 C	10600	mg/L	10	98	90	110	0	10	
Sample ID: C05100333-016BDUP	Sample Duplicate								10/10/05 13:31
Solids, Total Dissolved TDS @ 180 C	4920	mg/L	10				0.3	10	
Sample ID: C05100333-016BMS	Matrix Spike								10/10/05 13:32
Solids, Total Dissolved TDS @ 180 C	9840	mg/L	10	98.1	90	110			
Sample ID: C05100333-016BMSD	Matrix Spike Duplicate								10/10/05 13:32
Solids, Total Dissolved TDS @ 180 C	9850	mg/L	10	98.2	90	110	0	10	
Sample ID: LCS3_051010A	Laboratory Control Spike								10/10/05 13:32
Solids, Total Dissolved TDS @ 180 C	1020	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 3

Report Date: 11/03/05

Work Order: C05100338

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C							Batch: 051010A-SLDS-TDS-W		
Sample ID: MBLK3_051010A	Method Blank								10/11/05 09:07
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05100244-004ADUP	Sample Duplicate								10/10/05 15:28
Solids, Total Dissolved TDS @ 180 C	85.0	mg/L	10						
Sample ID: C05100244-004ADUP	Sample Duplicate								10/10/05 15:28
Solids, Total Dissolved TDS @ 180 C	100	mg/L	10						
Sample ID: C05100244-004ADUP	Sample Duplicate								10/10/05 15:29
Solids, Total Dissolved TDS @ 180 C	95.0	mg/L	10						
Sample ID: LCS4_051010A	Laboratory Control Spike								10/10/05 15:29
Solids, Total Dissolved TDS @ 180 C	1020	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 3

Report Date: 11/03/05

Work Order: C05100338

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B			Batch: ASIII3114-051012						
Sample ID: MBLK	Method Blank								10/12/05 10:59
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05100333-007AMS	Matrix Spike								10/12/05 11:20
Arsenic-III	0.0466	mg/L	0.0010	93.1	85	115			
Sample ID: C05100333-007AMSD	Matrix Spike Duplicate								10/12/05 11:22
Arsenic-III	0.0477	mg/L	0.0010	95.3	85	115	2.3	10	
Sample ID: C265-91-2	Laboratory Control Spike								10/12/05 11:24
Arsenic-III	0.0472	mg/L	0.0010	92.6	90	110			
Sample ID: MBLK	Method Blank								10/12/05 11:35
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05100333-016AMS	Matrix Spike								10/12/05 11:58
Arsenic-III	0.0485	mg/L	0.0010	97	85	115			
Sample ID: C05100333-016AMSD	Matrix Spike Duplicate								10/12/05 12:00
Arsenic-III	0.0483	mg/L	0.0010	96.6	85	115	0.4	10	
Sample ID: C265-91-2	Laboratory Control Spike								10/12/05 12:02
Arsenic-III	0.0502	mg/L	0.0010	98.8	90	110			
Sample ID: MBLK	Method Blank								10/12/05 12:08
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05100338-002AMS	Matrix Spike								10/12/05 12:12
Arsenic-III	0.0492	mg/L	0.0010	98.5	85	115			
Sample ID: C05100338-002AMSD	Matrix Spike Duplicate								10/12/05 12:14
Arsenic-III	0.0480	mg/L	0.0010	96	85	115	2.5	10	
Sample ID: C265-91-2	Laboratory Control Spike								10/12/05 12:16
Arsenic-III	0.0481	mg/L	0.0010	94.4	90	110			
Sample ID: MBLK	Method Blank								10/12/05 12:20
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: 11/03/05

Work Order: C05100338

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B		Batch: SEIV3114-051012							
Sample ID: MBLK	Method Blank								10/12/05 14:17
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05100333-007AMS	Matrix Spike								10/12/05 14:38
Selenium-IV	0.0519	mg/L	0.0010	104	85	115			
Sample ID: C05100333-007AMSD	Matrix Spike Duplicate								10/12/05 14:40
Selenium-IV	0.0524	mg/L	0.0010	105	85	115	1.1	10	
Sample ID: C265-91-2	Laboratory Control Spike								10/12/05 14:42
Selenium-IV	0.0521	mg/L	0.0010	104	90	110			
Sample ID: MBLK	Method Blank								10/12/05 14:48
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05100333-016AMS	Matrix Spike								10/12/05 15:09
Selenium-IV	0.0553	mg/L	0.0010	111	85	115			
Sample ID: C05100333-016AMSD	Matrix Spike Duplicate								10/12/05 15:14
Selenium-IV	0.0549	mg/L	0.0010	110	85	115	0.7	10	
Sample ID: C265-91-2	Laboratory Control Spike								10/12/05 15:17
Selenium-IV	0.0516	mg/L	0.0010	103	90	110			
Sample ID: MBLK	Method Blank								10/12/05 15:23
Selenium-IV	ND	mg/L	0.0002						
Method: A4500-H B		Batch: PHSC051010A							
Sample ID: C05100296-001C	Sample Duplicate								10/10/05 16:10
pH	4.99	s.u.	0.010				0.2	10	
Sample ID: C05100333-001B	Sample Duplicate								10/10/05 16:30
pH	7.02	s.u.	0.010				0.1	10	
Sample ID: C05100333-011B	Sample Duplicate								10/10/05 16:44
pH	7.30	s.u.	0.010				0	10	
Sample ID: C05100341-001B	Sample Duplicate								10/10/05 17:00
pH	8.09	s.u.	0.010				0.4	10	
Sample ID: C05100224-004A	Sample Duplicate								10/10/05 17:08
pH	8.11	s.u.	0.010				0.1	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: 11/03/05

Work Order: C05100338

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G			Batch: A2005-10-10_1_NH3_01						
Sample ID: MBLK-1	Method Blank								10/10/05 14:28
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05100042-001CMS	Matrix Spike								10/10/05 14:41
Nitrogen, Ammonia as N	1.95	mg/L	0.050	96.5	80	120			
Sample ID: C05100042-001CMSD	Matrix Spike Duplicate								10/10/05 14:43
Nitrogen, Ammonia as N	1.95	mg/L	0.050	96.5	80	120	0	20	
Sample ID: MBLK-17	Method Blank								10/10/05 14:59
Nitrogen, Ammonia as N	0.03	mg/L	0.02						
Sample ID: C05100120-003AMS	Matrix Spike								10/10/05 15:11
Nitrogen, Ammonia as N	2.03	mg/L	0.050	98.5	80	120			
Sample ID: C05100120-003AMSD	Matrix Spike Duplicate								10/10/05 15:13
Nitrogen, Ammonia as N	2.04	mg/L	0.050	99	80	120	0.5	20	
Sample ID: MBLK-32	Method Blank								10/10/05 15:31
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05100146-003BMS	Matrix Spike								10/10/05 15:45
Nitrogen, Ammonia as N	1.95	mg/L	0.050	97.5	80	120			
Sample ID: C05100146-003BMSD	Matrix Spike Duplicate								10/10/05 15:47
Nitrogen, Ammonia as N	2.04	mg/L	0.050	102	80	120	4.5	20	
Sample ID: MBLK-50	Method Blank								10/10/05 16:11
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05100333-008DMS	Matrix Spike								10/10/05 16:23
Nitrogen, Ammonia as N	2.25	mg/L	0.050	104	80	120			
Sample ID: C05100333-008DMSD	Matrix Spike Duplicate								10/10/05 16:25
Nitrogen, Ammonia as N	2.34	mg/L	0.050	108	80	120	3.9	20	
Sample ID: MBLK-65	Method Blank								10/10/05 16:41
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05100341-001DMS	Matrix Spike								10/10/05 16:59
Nitrogen, Ammonia as N	1.98	mg/L	0.050	99	80	120			
Sample ID: C05100341-001DMSD	Matrix Spike Duplicate								10/10/05 17:01
Nitrogen, Ammonia as N	2.00	mg/L	0.050	100	80	120	1.0	20	

Qualifiers:

- Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 11/03/05

Work Order: C05100338

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R57084
Sample ID: LFB-101805-07A	Laboratory Fortified Blank								10/19/05 14:01
Aluminum	1.92	mg/L	0.10	96	85	125			
Calcium	50.6	mg/L	0.50	101	85	125			
Magnesium	52.2	mg/L	0.50	104	85	125			
Manganese	1.96	mg/L	0.010	97.9	85	125			
Potassium	50.4	mg/L	0.50	101	85	125			
Sodium	50.9	mg/L	0.50	102	85	125			
Sulfate	0.571	mg/L	1.0	0	85	125			
Sample ID: C05100296-001AMS1	Matrix Spike								10/19/05 14:19
Calcium	713	mg/L	0.50	92.1	70	130			
Magnesium	521	mg/L	0.50	104	70	130			
Potassium	469	mg/L	0.50	93.8	70	130			
Sodium	533	mg/L	0.50	94.1	70	130			
Sample ID: C05100296-001AMS2	Matrix Spike								10/19/05 14:22
Aluminum	9.37	mg/L	0.10	90	70	130			
Manganese	10.9	mg/L	0.010	92.7	70	130			
Sample ID: C05100296-001AMS3	Matrix Spike								10/19/05 14:25
Sulfate	1780	mg/L	1.0	91.4	70	130			
Sample ID: C05100296-001AMSD1	Matrix Spike Duplicate								10/19/05 14:28
Calcium	732	mg/L	0.50	95.9	70	130	2.6	20	
Magnesium	536	mg/L	0.50	107	70	130	2.8	20	
Potassium	490	mg/L	0.50	98	70	130	4.4	20	
Sodium	557	mg/L	0.50	98.9	70	130	4.4	20	
Sample ID: C05100296-001AMSD2	Matrix Spike Duplicate								10/19/05 14:32
Aluminum	9.33	mg/L	0.10	89.6	70	130	0.4	20	
Manganese	10.8	mg/L	0.010	92.1	70	130	0.6	20	
Sample ID: C05100296-001AMSD3	Matrix Spike Duplicate								10/19/05 14:35
Sulfate	1770	mg/L	1.0	90.6	70	130	0.5	20	
Sample ID: C05100641-001AMS1	Matrix Spike								10/19/05 15:57
Calcium	1070	mg/L	0.57	92	70	130			
Magnesium	794	mg/L	0.53	95	70	130			
Potassium	480	mg/L	0.52	95.1	70	130			
Sodium	604	mg/L	0.62	94.1	70	130			
Sample ID: C05100641-001AMS2	Matrix Spike								10/19/05 16:00
Aluminum	9.06	mg/L	0.10	90.6	70	130			
Manganese	14.9	mg/L	0.010	92.2	70	130			

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: 11/03/05

Work Order: C05100338

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R57084
Sample ID: C05100641-001AMS3 Matrix Spike									10/19/05 16:12
Chloride	948	mg/L	1.0	89.4	70	130			
Sulfate	3460	mg/L	8.0	81.8	70	130			
Sample ID: C05100641-001AMSD1 Matrix Spike Duplicate									10/19/05 16:15
Calcium	1060	mg/L	0.57	90.2	70	130	0.8	20	
Magnesium	788	mg/L	0.53	93.8	70	130	0.8	20	
Potassium	484	mg/L	0.52	95.8	70	130	0.7	20	
Sodium	612	mg/L	0.62	95.7	70	130	1.3	20	
Sample ID: C05100641-001AMSD2 Matrix Spike Duplicate									10/19/05 16:18
Aluminum	8.97	mg/L	0.10	89.7	70	130	1.0	20	
Manganese	14.7	mg/L	0.010	90.2	70	130	1.3	20	
Sample ID: C05100641-001AMSD3 Matrix Spike Duplicate									10/19/05 16:21
Chloride	955	mg/L	1.0	90	70	130	0.7	20	
Sulfate	3450	mg/L	8.0	80.9	70	130	0.3	20	
Sample ID: C05100643-001AMS1 Matrix Spike									10/19/05 18:03
Calcium	513	mg/L	0.57	98	70	130			
Magnesium	511	mg/L	0.53	100	70	130			
Potassium	484	mg/L	0.52	96.2	70	130			
Sodium	791	mg/L	0.62	95.8	70	130			
Sample ID: C05100643-001AMS2 Matrix Spike									10/19/05 18:06
Aluminum	9.38	mg/L	0.10	93.5	70	130			
Manganese	9.33	mg/L	0.010	93.3	70	130			
Sample ID: C05100643-001AMS3 Matrix Spike									10/19/05 18:09
Chloride	938	mg/L	1.0	92	70	130			
Sulfate	1470	mg/L	8.0	91.5	70	130			
Sample ID: C05100643-001AMSD1 Matrix Spike Duplicate									10/19/05 18:12
Calcium	521	mg/L	0.57	99.6	70	130	1.5	20	
Magnesium	519	mg/L	0.53	102	70	130	1.6	20	
Potassium	495	mg/L	0.52	98.3	70	130	2.1	20	
Sodium	801	mg/L	0.62	97.8	70	130	1.3	20	
Sample ID: C05100643-001AMSD2 Matrix Spike Duplicate									10/19/05 18:15
Aluminum	9.42	mg/L	0.10	93.9	70	130	0.4	20	
Manganese	9.35	mg/L	0.010	93.5	70	130	0.2	20	
Sample ID: C05100643-001AMSD3 Matrix Spike Duplicate									10/19/05 18:18
Chloride	924	mg/L	1.0	90.6	70	130	1.5	20	
Sulfate	1480	mg/L	8.0	92	70	130	0.3	20	

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: 11/03/05

Work Order: C05100338

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R57084		
Sample ID: LFB-101805-07A Laboratory Fortified Blank							10/20/05 09:02		
Aluminum	1.95	mg/L	0.10	97.6	85	125			
Calcium	51.7	mg/L	0.50	103	85	125			
Magnesium	52.4	mg/L	0.50	105	85	125			
Manganese	1.98	mg/L	0.010	98.9	85	125			
Potassium	50.1	mg/L	0.50	100	85	125			
Sodium	50.1	mg/L	0.50	100	85	125			
Sulfate	0.599	mg/L	1.0	0	85	125			

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: 11/03/05
Work Order: C05100338

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R57314
Sample ID: LFB-101805-07A	Laboratory Fortified Blank:								10/24/05 10:49
Aluminum	1.93	mg/L	0.10	96.5	85	125			
Sodium	49.7	mg/L	0.50	99.4	85	125			
Sample ID: C05100617-002BMS3	Matrix Spike								10/24/05 11:50
Sulfate	924	mg/L	8.0	91.4	70	130			
Sample ID: C05100617-002BMSD1	Matrix Spike Duplicate								10/24/05 11:54
Sodium	620	mg/L	0.62	92.7	70	130	1.8	20	
Sample ID: C05100617-002BMSD3	Matrix Spike Duplicate								10/24/05 12:00
Sulfate	912	mg/L	8.0	90.2	70	130	1.3	20	
Sample ID: C05100909-001BMS1	Matrix Spike								10/24/05 15:22
Sodium	588	mg/L	0.62	91.7	70	130			
Sample ID: C05100909-001BMS2	Matrix Spike								10/24/05 15:25
Aluminum	9.32	mg/L	0.10	92.8	70	130			
Sample ID: C05100909-001BMSD2	Matrix Spike Duplicate								10/24/05 15:34
Aluminum	9.36	mg/L	0.10	93.2	70	130	0.4	20	
Sample ID: LFB-101805-07A	Laboratory Fortified Blank								10/25/05 08:46
Aluminum	1.93	mg/L	0.10	96.7	85	125			
Sodium	50.1	mg/L	0.50	100	85	125			
Sample ID: C05100623-010BMS2	Matrix Spike								10/25/05 09:33
Aluminum	0.926	mg/L	0.10	92.6	70	130			
Sample ID: C05100623-010BMS3	Matrix Spike								10/25/05 09:36
Sulfate	97.0	mg/L	1.0	92.5	70	130			
Sample ID: C05100623-010BMSD2	Matrix Spike Duplicate								10/25/05 09:42
Aluminum	0.896	mg/L	0.10	89.6	70	130	3.3	20	
Sample ID: C05100623-010BMSD3	Matrix Spike Duplicate								10/25/05 09:45
Sulfate	98.7	mg/L	1.0	94.2	70	130	1.7	20	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 11/03/05

Work Order: C05100338

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R57131
Sample ID: LRB	Method Blank								10/20/05 14:28
Beryllium	ND	mg/L	0.00003						
Cadmium	ND	mg/L	0.0002						
Cobalt	ND	mg/L	0.00003						
Lead	ND	mg/L	0.00002						
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: LFB	Laboratory Fortified Blank								10/20/05 14:35
Beryllium	0.0498	mg/L	0.0010	99.6	85	115			
Cadmium	0.0510	mg/L	0.0010	102	85	115			
Cobalt	0.0507	mg/L	0.0010	101	85	115			
Lead	0.0516	mg/L	0.0010	103	85	115			
Molybdenum	0.0515	mg/L	0.0010	103	85	115			
Nickel	0.0517	mg/L	0.0010	103	85	115			
Uranium	0.0516	mg/L	0.00030	103	85	115			
Vanadium	0.0506	mg/L	0.0010	101	85	115			
Sample ID: C05100643-001AMS4	Post Digestion Spike								10/20/05 16:14
Beryllium	0.0467	mg/L	0.010	93.3	70	130			
Cadmium	0.0480	mg/L	0.010	95.6	70	130			
Cobalt	0.0491	mg/L	0.010	98.1	70	130			
Lead	0.0514	mg/L	0.050	102	70	130			
Molybdenum	0.0537	mg/L	0.10	101	70	130			
Nickel	0.0461	mg/L	0.050	91.1	70	130			
Uranium	0.0505	mg/L	0.00030	100	70	130			
Vanadium	0.0518	mg/L	0.10	102	70	130			
Sample ID: C05100643-001AMSD4	Post Digestion Spike Dup								10/20/05 16:21
Beryllium	0.0469	mg/L	0.010	93.9	70	130	0.6	20	
Cadmium	0.0494	mg/L	0.010	98.5	70	130	2.9	20	
Cobalt	0.0489	mg/L	0.010	97.7	70	130	0.3	20	
Lead	0.0520	mg/L	0.050	103	70	130	1.1	20	
Molybdenum	0.0562	mg/L	0.10	106	70	130	0	20	
Nickel	0.0484	mg/L	0.050	95.6	70	130	0	20	
Uranium	0.0523	mg/L	0.00030	104	70	130	3.6	20	
Vanadium	0.0520	mg/L	0.10	103	70	130	0	20	
Sample ID: C05100641-004AMS4	Post Digestion Spike								10/20/05 18:14
Beryllium	0.212	mg/L	0.010	84.9	70	130			
Cadmium	0.244	mg/L	0.010	97.7	70	130			

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 11/03/05

Work Order: C05100338

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R57131		
Sample ID: C05100641-004AMS4 Post Digestion Spike							10/20/05 18:14		
Cobalt	0.255	mg/L	0.010	99.1	70	130			
Lead	0.250	mg/L	0.050	100	70	130			
Molybdenum	0.418	mg/L	0.10	101	70	130			
Nickel	0.243	mg/L	0.050	93.5	70	130			
Uranium	0.352	mg/L	0.00030	95.4	70	130			
Vanadium	0.256	mg/L	0.10	101	70	130			
Sample ID: C05100641-004AMSD4 Post Digestion Spike Dup							10/20/05 18:47		
Beryllium	0.224	mg/L	0.010	89.5	70	130	5.3	20	
Cadmium	0.244	mg/L	0.010	97.7	70	130	0	20	
Cobalt	0.254	mg/L	0.010	98.7	70	130	0.4	20	
Lead	0.256	mg/L	0.050	102	70	130	2.1	20	
Molybdenum	0.411	mg/L	0.10	98.4	70	130	1.8	20	
Nickel	0.243	mg/L	0.050	93.3	70	130	0.2	20	
Uranium	0.368	mg/L	0.00030	102	70	130	4.7	20	
Vanadium	0.257	mg/L	0.10	102	70	130	0.4	20	
Sample ID: C05100332-003AMS4 Post Digestion Spike							10/20/05 22:07		
Beryllium	0.258	mg/L	0.010	100	70	130			
Cadmium	0.253	mg/L	0.010	99.6	70	130			
Cobalt	0.532	mg/L	0.010	104	70	130			
Lead	0.261	mg/L	0.050	104	70	130			
Molybdenum	0.262	mg/L	0.10	105	70	130			
Nickel	0.596	mg/L	0.050	102	70	130			
Uranium	0.258	mg/L	0.00030	102	70	130			
Vanadium	0.256	mg/L	0.10	103	70	130			
Sample ID: C05100332-003AMSD4 Post Digestion Spike Dup							10/20/05 22:14		
Beryllium	0.256	mg/L	0.010	99.4	70	130	1.1	20	
Cadmium	0.255	mg/L	0.010	100	70	130	0.6	20	
Cobalt	0.538	mg/L	0.010	107	70	130	1.3	20	
Lead	0.265	mg/L	0.050	105	70	130	1.6	20	
Molybdenum	0.265	mg/L	0.10	106	70	130	0.8	20	
Nickel	0.596	mg/L	0.050	102	70	130	0	20	
Uranium	0.272	mg/L	0.00030	108	70	130	5.6	20	
Vanadium	0.257	mg/L	0.10	103	70	130	0.1	20	
Sample ID: C05100333-010AMS4 Post Digestion Spike							10/21/05 00:07		
Beryllium	0.231	mg/L	0.010	92.3	70	130			
Cadmium	0.245	mg/L	0.010	98.1	70	130			
Cobalt	0.246	mg/L	0.010	98	70	130			
Lead	0.256	mg/L	0.050	102	70	130			

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp

Report Date: 11/03/05

Project: Zone 3

Work Order: C05100338

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R57131		
Sample ID: C05100333-010AMS4 Post Digestion Spike							10/21/05 00:07		
Molybdenum	0.265	mg/L	0.10	106	70	130			
Nickel	0.254	mg/L	0.050	101	70	130			
Uranium	0.296	mg/L	0.00030	106	70	130			
Vanadium	0.256	mg/L	0.10	102	70	130			
Sample ID: C05100333-010AMSD4 Post Digestion Spike Dup							10/21/05 00:41		
Beryllium	0.250	mg/L	0.010	100	70	130	8.0	20	
Cadmium	0.243	mg/L	0.010	97.1	70	130	1.0	20	
Cobalt	0.244	mg/L	0.010	97.5	70	130	0.5	20	
Lead	0.260	mg/L	0.050	104	70	130	1.7	20	
Molybdenum	0.259	mg/L	0.10	104	70	130	2.3	20	
Nickel	0.254	mg/L	0.050	100	70	130	0.2	20	
Uranium	0.309	mg/L	0.00030	111	70	130	4.3	20	
Vanadium	0.255	mg/L	0.10	102	70	130	0.4	20	
Sample ID: C05100338-001AMS4 Post Digestion Spike							10/21/05 02:34		
Beryllium	0.621	mg/L	0.010	81.5	70	130			
Cadmium	0.523	mg/L	0.010	97.2	70	130			
Cobalt	2.52	mg/L	0.010		70	130			A
Lead	0.513	mg/L	0.050	102	70	130			
Molybdenum	0.526	mg/L	0.10	102	70	130			
Nickel	2.38	mg/L	0.050		70	130			A
Vanadium	3.33	mg/L	0.10		70	130			A
Sample ID: C05100338-001AMSD4 Post Digestion Spike Dup							10/21/05 02:40		
Beryllium	0.625	mg/L	0.010	82.2	70	130	0.6	20	
Cadmium	0.519	mg/L	0.010	96.5	70	130	0.7	20	
Cobalt	2.54	mg/L	0.010		70	130	0.8	20	A
Lead	0.520	mg/L	0.050	103	70	130	1.3	20	
Molybdenum	0.527	mg/L	0.10	102	70	130	0.2	20	
Nickel	2.39	mg/L	0.050		70	130	0.4	20	A
Vanadium	3.35	mg/L	0.10		70	130	0.6	20	A
Sample ID: C05100746-001HMS4 Post Digestion Spike							10/21/05 03:40		
Beryllium	0.0453	mg/L	0.010	90.5	70	130			
Cadmium	0.0447	mg/L	0.010	89.3	70	130			
Cobalt	0.0471	mg/L	0.010	94	70	130			
Lead	0.0506	mg/L	0.050	101	70	130			
Molybdenum	0.0527	mg/L	0.10	105	70	130			
Nickel	0.0474	mg/L	0.050	94.4	70	130			
Uranium	0.0537	mg/L	0.00030	107	70	130			
Vanadium	0.0578	mg/L	0.10	99.6	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

Report Date: 11/03/05

Project: Zone 3

Work Order: C05100338

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R57131
Sample ID: C05100746-001HMSD4 Post Digestion Spike Dup									10/21/05 03:47
Beryllium	0.0467	mg/L	0.010	93.5	70	130	3.2	20	
Cadmium	0.0447	mg/L	0.010	89.5	70	130	0.2	20	
Cobalt	0.0479	mg/L	0.010	95.7	70	130	1.7	20	
Lead	0.0519	mg/L	0.050	103	70	130	2.4	20	
Molybdenum	0.0531	mg/L	0.10	106	70	130	0	20	
Nickel	0.0485	mg/L	0.050	96.5	70	130	0	20	
Uranium	0.0553	mg/L	0.00030	110	70	130	2.8	20	
Vanadium	0.0592	mg/L	0.10	102	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: 11/03/05

Work Order: C05100338

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2								Batch: A2005-10-10_1_NO3_01	
Sample ID: MBLK-1	Method Blank								10/10/05 10:16
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: MBLK-17	Method Blank								10/10/05 11:01
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05100296-002DMS	Matrix Spike								10/10/05 11:16
Nitrogen, Nitrate+Nitrite as N	1.99	mg/L	0.10	99.5	90	110			
Sample ID: C05100296-002DMSD	Matrix Spike Duplicate								10/10/05 11:18
Nitrogen, Nitrate+Nitrite as N	2.03	mg/L	0.10	102	90	110	2.0	10	
Sample ID: MBLK-32	Method Blank								10/10/05 11:38
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05100333-006DMS	Matrix Spike								10/10/05 11:56
Nitrogen, Nitrate+Nitrite as N	2.13	mg/L	0.10	94.5	90	110			
Sample ID: C05100333-006DMSD	Matrix Spike Duplicate								10/10/05 11:58
Nitrogen, Nitrate+Nitrite as N	2.13	mg/L	0.10	94.5	90	110	0	10	
Sample ID: MBLK-48	Method Blank								10/10/05 12:18
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: United Nuclear Corp

Report Date: 11/03/05

Project: Zone 3

Work Order: C05100338

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									
Batch: R56788									
Sample ID: 13-Oct-05_LCS_2	Laboratory Control Spike								10/13/05 09:45
Chloroform	11.0	ug/L	1.0	110	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	96.4	80	120			
Surr: Dibromofluoromethane			1.0	98	70	130			
Surr: p-Bromofluorobenzene			1.0	111	75	125			
Surr: Toluene-d8			1.0	100	80	120			
Sample ID: 13-Oct-05_MBLK_5									
Method Blank									
10/13/05 11:40									
Chloroform	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			0.5	98.4	80	120			
Surr: Dibromofluoromethane			0.5	97.6	70	130			
Surr: p-Bromofluorobenzene			0.5	97.2	75	125			
Surr: Toluene-d8			0.5	101	80	120			
Sample ID: C05100332-001EMS									
Matrix Spike									
10/13/05 21:26									
Chloroform	314	ug/L	5.0	112	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	98.8	80	120			
Surr: Dibromofluoromethane			5.0	102	70	130			
Surr: p-Bromofluorobenzene			5.0	99.6	75	125			
Surr: Toluene-d8			5.0	100	80	120			
Sample ID: C05100332-001EMSD									
Matrix Spike Duplicate									
10/13/05 22:03									
Chloroform	278	ug/L	5.0	76	70	130	12	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	104	80	120	0	10	
Surr: Dibromofluoromethane			5.0	101	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	99.2	75	125	0	10	
Surr: Toluene-d8			5.0	102	80	120	0	10	
Sample ID: C05100338-001EMS									
Matrix Spike									
10/14/05 09:26									
Chloroform	249	ug/L	5.0	113	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	102	80	120			
Surr: Dibromofluoromethane			5.0	113	70	130			
Surr: p-Bromofluorobenzene			5.0	115	75	125			
Surr: Toluene-d8			5.0	94	80	120			
Sample ID: C05100338-001EMSD									
Matrix Spike Duplicate									
10/14/05 10:05									
Chloroform	250	ug/L	5.0	114	70	130	0.5	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	101	80	120	0	10	
Surr: Dibromofluoromethane			5.0	112	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	116	75	125	0	10	
Surr: Toluene-d8			5.0	96	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: 11/03/05

Work Order: C05100338

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1 Batch: R57111									
Sample ID: C05100332-002A	Matrix Spike								10/14/05 13:00
Gross Alpha minus Rn & U	30.0	pCi/L	1.0	84.9	70	130			
Sample ID: MB-R57111	Method Blank								10/14/05 13:00
Gross Alpha minus Rn & U	ND	pCi/L	1						
Sample ID: LCS-R57111	Laboratory Control Spike								10/14/05 13:00
Gross Alpha minus Rn & U	36.9	pCi/L	1.0	116	70	130			
Method: E903.0 Batch: RA226-1265									
Sample ID: C05100321-001AMS	Matrix Spike								10/12/05 15:15
Radium 226	20	pCi/L	0.20	95.1	70	130			
Sample ID: C05100321-001AMSD	Matrix Spike Duplicate								10/12/05 15:15
Radium 226	21	pCi/L	0.20	98.8	70	130	3.8	29.1	
Sample ID: MB-RA226-1265	Method Blank								10/12/05 15:15
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-1265	Laboratory Control Spike								10/12/05 15:15
Radium 226	12	pCi/L	0.20	97.8	70	130			
Method: E907.0 Batch: R57468									
Sample ID: MB-R57468	Method Blank								10/25/05 10:30
Thorium 230	ND	pCi/L	0.2						
Sample ID: LCS-R57468	Laboratory Control Spike								10/25/05 10:30
Thorium 230	24.2	pCi/L	0.20	96.8	70	130			
Sample ID: C05100643-007AMS	Matrix Spike								10/25/05 10:30
Thorium 230	108	pCi/L	0.20	86.6	70	130			
Sample ID: C05100643-007AMSD	Matrix Spike Duplicate								10/25/05 10:30
Thorium 230	129	pCi/L	0.20	103	70	130	18	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: 11/03/05

Work Order: C05100338

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: NERHL-65-4									Batch: R57271
Sample ID: MB-R57271	Method Blank								10/14/05 10:30
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R57271	Laboratory Control Spike								10/14/05 10:30
Lead 210	86	pCi/L	1.0	100	70	130			
Sample ID: C05100333-015ADUP	Sample Duplicate								10/14/05 10:30
Lead 210	ND	pCi/L	1.0				0	30	
Sample ID: C05100338-001AMS	Matrix Spike								10/14/05 10:30
Lead 210	140	pCi/L	1.0	100	70	130			
Method: RA-05									Batch: RA228-1045
Sample ID: LCS-228-RA226-1265	Laboratory Control Spike								10/12/05 15:50
Radium 228	7.2	pCi/L	1.0	76.7	70	130			
Sample ID: MB-RA226-1265	Method Blank								10/12/05 15:50
Radium 228	ND	pCi/L	1						
Sample ID: C05100441-001AMS	Matrix Spike								10/12/05 15:50
Radium 228	15	pCi/L	1.0	97.9	70	130			
Sample ID: C05100441-001AMSD	Matrix Spike Duplicate								10/12/05 15:50
Radium 228	15	pCi/L	1.0	94.2	70	130	3.8	40.4	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

ANALYTICAL SUMMARY REPORT

November 04, 2005

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

Workorder No.: C05100641

Quote ID: C129 - Quarterly Long List

Project Name: Zone 3

Energy Laboratories Inc. received the following 11 samples from United Nuclear Corp on 10/14/2005 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C05100641-001	NBL-1	10/10/05 9:00 9:30	10/14/05	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
C05100641-002	504-B	10/10/05 10:43	10/14/05	Aqueous	Same As Above
C05100641-003	719	10/10/05 11:15	10/14/05	Aqueous	Same As Above
C05100641-004	420	10/10/05 13:30	10/14/05	Aqueous	Same As Above
C05100641-005	717	10/10/05 14:03	10/14/05	Aqueous	Same As Above
C05100641-006	EPA-14	10/10/05 14:33	10/14/05	Aqueous	Same As Above
C05100641-007	517	10/10/05 15:05	10/14/05	Aqueous	Same As Above
C05100641-008	EPA-13	10/11/05 9:15	10/14/05	Aqueous	Same As Above
C05100641-009	711	10/11/05 9:57	10/14/05	Aqueous	Same As Above
C05100641-010	711 Duplicate	10/11/05 10:22	10/14/05	Aqueous	Same As Above
C05100641-011	708	10/11/05 10:40	10/14/05	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:


ROGER CAPLAN
LABORATORY SUPERVISOR



QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 11/04/05

Work Order: C05100641

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B							Batch: 051017_1_ALK-W		
Sample ID: MBLK1_051017_1	Method Blank								10/17/05 15:52
Bicarbonate as HCO ₃	ND	mg/L		1					
Sample ID: MBLK2_051017_1	Method Blank								10/17/05 15:52
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: 11/04/05

Work Order: C05100641

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C			Batch: 051017A-SLDS-TDS-W						
Sample ID: LCS1_051017A	Laboratory Control Spike								10/17/05 13:28
Solids, Total Dissolved TDS @ 180 C	1010	mg/L	10	101	90	110			
Sample ID: MBLK1_051017A	Method Blank								10/17/05 13:28
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05100619-001BMS	Matrix Spike								10/17/05 14:58
Solids, Total Dissolved TDS @ 180 C	5950	mg/L	10	98.2	90	110			
Sample ID: C05100619-001BMSD	Matrix Spike Duplicate								10/17/05 13:32
Solids, Total Dissolved TDS @ 180 C	5950	mg/L	10	98.2	90	110	0	10	
Sample ID: C05100641-004BDUP	Sample Duplicate								10/17/05 13:36
Solids, Total Dissolved TDS @ 180 C	3510	mg/L	10				0.1	10	
Sample ID: C05100641-004BMS	Matrix Spike								10/17/05 13:37
Solids, Total Dissolved TDS @ 180 C	8390	mg/L	10	97.5	90	110			
Sample ID: C05100641-004BMSD	Matrix Spike Duplicate								10/17/05 13:37
Solids, Total Dissolved TDS @ 180 C	8100	mg/L	10	91.7	90	110	3.5	10	
Sample ID: LCS2_051017A	Laboratory Control Spike								10/17/05 13:38
Solids, Total Dissolved TDS @ 180 C	1010	mg/L	10	101	90	110			
Sample ID: MBLK2_051017A	Method Blank								10/17/05 13:38
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05100642-001BMS	Matrix Spike								10/17/05 13:42
Solids, Total Dissolved TDS @ 180 C	15900	mg/L	10	95.4	90	110			
Sample ID: C05100642-001BMSD	Matrix Spike Duplicate								10/17/05 13:42
Solids, Total Dissolved TDS @ 180 C	16100	mg/L	10	98.1	90	110	1.1	10	
Sample ID: C05100647-006ADUP	Sample Duplicate								10/17/05 13:45
Solids, Total Dissolved TDS @ 180 C	305	mg/L	10				1.6	10	
Sample ID: C05100647-006AMS	Matrix Spike								10/17/05 13:45
Solids, Total Dissolved TDS @ 180 C	5220	mg/L	10	98.3	90	110			
Sample ID: C05100647-006AMSD	Matrix Spike Duplicate								10/17/05 13:48
Solids, Total Dissolved TDS @ 180 C	5210	mg/L	10	98	90	110	0.3	10	
Sample ID: LCS3_051017A	Laboratory Control Spike								10/17/05 13:46
Solids, Total Dissolved TDS @ 180 C	1010	mg/L	10	101	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: 11/04/05
Work Order: C05100641

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C			Batch: 051017A-SLDS-TDS-W						
Sample ID: MBLK3_051017A	Method Blank								10/17/05 13:48
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C05100654-006BDUP	Sample Duplicate								10/17/05 13:51
Solids, Total Dissolved TDS @ 180 C	695	mg/L	10				0.7	10	
Sample ID: C05100654-006BMS	Matrix Spike								10/17/05 13:51
Solids, Total Dissolved TDS @ 180 C	5520	mg/L	10	96.7	90	110			
Sample ID: C05100654-006BMSD	Matrix Spike Duplicate								10/17/05 13:51
Solids, Total Dissolved TDS @ 180 C	5500	mg/L	10	96.2	90	110	0.5	10	
Sample ID: LCS4_051017A	Laboratory Control Spike								10/17/05 13:51
Solids, Total Dissolved TDS @ 180 C	998	mg/L	10	99.8	90	110			
Method: A3114 B			Batch: ASI113114-051020						
Sample ID: MBLK	Method Blank								10/20/05 14:21
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05100641-002AMS	Matrix Spike								10/20/05 15:00
Arsenic-III	0.0501	mg/L	0.0010	100	85	115			
Sample ID: C05100641-002AMSD	Matrix Spike Duplicate								10/20/05 15:02
Arsenic-III	0.0486	mg/L	0.0010	97.1	85	115	3.1	10	
Sample ID: C265-94-3	Laboratory Control Spike								10/20/05 15:03
Arsenic-III	0.0478	mg/L	0.0010	95.6	90	110			
Sample ID: MBLK	Method Blank								10/20/05 15:09
Arsenic-III	ND	mg/L	0.0005						
Sample ID: C05100643-007AMS	Matrix Spike								10/20/05 15:51
Arsenic-III	0.0455	mg/L	0.0010	91.1	85	115			
Sample ID: C05100643-007AMSD	Matrix Spike Duplicate								10/20/05 15:53
Arsenic-III	0.0466	mg/L	0.0010	93.3	85	115	2.4	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: 11/04/05

Work Order: C05100641

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: SEIV3114-051020		
Sample ID: MBLK	Method Blank								10/20/05 11:46
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C05100641-002AMS	Matrix Spike								10/20/05 12:07
Selenium-IV	0.0551	mg/L	0.0010	110	85	115			
Sample ID: C05100641-002AMSD	Matrix Spike Duplicate								10/20/05 12:09
Selenium-IV	0.0547	mg/L	0.0010	109	85	115	0.7	10	
Sample ID: C265-94-3	Laboratory Control Spike								10/20/05 12:11
Selenium-IV	0.0536	mg/L	0.0010	107	90	110			
Sample ID: MBLK	Method Blank								10/20/05 12:17
Selenium-IV	ND	mg/L	0.0002						
Method: A4500-H B							Batch: PHSC051017A		
Sample ID: C05100641-008B	Sample Duplicate								10/17/05 13:31
pH	6.58	s.u.	0.010				0.3	10	
Sample ID: C05100643-006B	Sample Duplicate								10/17/05 14:20
pH	6.80	s.u.	0.010				0.3	10	
Sample ID: C05100644-009E	Sample Duplicate								10/17/05 15:05
pH	7.65	s.u.	0.010				0.1	10	
Sample ID: C05100647-001A	Sample Duplicate								10/17/05 15:12
pH	8.05	s.u.	0.010				0.1	10	
Sample ID: C05100672-001ADUP	Sample Duplicate								10/17/05 15:33
pH	7.98	s.u.	0.010				0.1	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: 11/04/05

Work Order: C05100641

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G			Batch: A2005-10-18_1_NH3_01						
Sample ID: MBLK-1	Method Blank								10/18/05 09:22
Nitrogen, Ammonia as N	0.03	mg/L	0.02						
Sample ID: C05100393-001KMS	Matrix Spike								10/18/05 09:36
Nitrogen, Ammonia as N	1.90	mg/L	0.050	92	80	120			
Sample ID: C05100393-001KMSD	Matrix Spike Duplicate								10/18/05 09:40
Nitrogen, Ammonia as N	2.03	mg/L	0.050	98.5	80	120	6.6		20
Sample ID: MBLK-17	Method Blank								10/18/05 09:56
Nitrogen, Ammonia as N	0.03	mg/L	0.02						
Sample ID: C05100473-001BMS	Matrix Spike								10/18/05 10:14
Nitrogen, Ammonia as N	1.78	mg/L	0.050	88	80	120			
Sample ID: C05100473-001BMSD	Matrix Spike Duplicate								10/18/05 10:16
Nitrogen, Ammonia as N	1.91	mg/L	0.050	94.5	80	120	7.0		20
Sample ID: MBLK-32	Method Blank								10/18/05 10:32
Nitrogen, Ammonia as N	0.03	mg/L	0.02						
Sample ID: C05100612-002CMS	Matrix Spike								10/18/05 10:50
Nitrogen, Ammonia as N	2.60	mg/L	0.050	111	80	120			
Sample ID: C05100612-002CMSD	Matrix Spike Duplicate								10/18/05 10:52
Nitrogen, Ammonia as N	2.45	mg/L	0.050	104	80	120	5.9		20
Sample ID: MBLK-48	Method Blank								10/18/05 11:13
Nitrogen, Ammonia as N	0.04	mg/L	0.02						
Sample ID: MBLK-63	Method Blank								10/18/05 11:42
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05100643-004DMS	Matrix Spike								10/18/05 12:13
Nitrogen, Ammonia as N	3.00	mg/L	0.050	112	80	120			
Sample ID: C05100643-004DMSD	Matrix Spike Duplicate								10/18/05 12:15
Nitrogen, Ammonia as N	2.91	mg/L	0.050	108	80	120	3.0		20
Sample ID: MBLK-79	Method Blank								10/18/05 12:31
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05100644-008CMS	Matrix Spike								10/18/05 12:43
Nitrogen, Ammonia as N	2.17	mg/L	0.050	107	80	120			

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: 11/04/05

Work Order: C05100641

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G			Batch: A2005-10-18_1_NH3_01						
Sample ID: C05100644-008CMSD	Matrix Spike Duplicate								10/18/05 12:45
Nitrogen, Ammonia as N	2.03	mg/L	0.050	100	80	120	6.7	20	
Sample ID: MBLK-94	Method Blank								10/18/05 13:04
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: C05100647-004BMS	Matrix Spike								10/18/05 13:17
Nitrogen, Ammonia as N	2.00	mg/L	0.050	98	80	120			
Sample ID: C05100647-004BMSD	Matrix Spike Duplicate								10/18/05 13:18
Nitrogen, Ammonia as N	2.08	mg/L	0.050	102	80	120	3.9	20	
Sample ID: MBLK-110	Method Blank								10/18/05 13:35
Nitrogen, Ammonia as N	0.04	mg/L	0.02						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Report Date: 11/04/05

Project: Zone 3

Work Order: C05100641

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R57084		
Sample ID: LFB-101805-07A Laboratory Fortified Blank							10/19/05 14:01		
Aluminum	1.92	mg/L	0.10	96	85	125			
Calcium	50.6	mg/L	0.50	101	85	125			
Magnesium	52.2	mg/L	0.50	104	85	125			
Manganese	1.96	mg/L	0.010	97.9	85	125			
Molybdenum	1.93	mg/L	0.10	96.5	85	125			
Potassium	50.4	mg/L	0.50	101	85	125			
Sodium	50.9	mg/L	0.50	102	85	125			
Sulfate	0.571	mg/L	1.0	0	85	125			
Vanadium	1.99	mg/L	0.10	99.6	85	125			
Sample ID: C05100296-001AMS1 Matrix Spike							10/19/05 14:19		
Calcium	713	mg/L	0.50	92.1	70	130			
Magnesium	521	mg/L	0.50	104	70	130			
Potassium	469	mg/L	0.50	93.8	70	130			
Sodium	533	mg/L	0.50	94.1	70	130			
Sample ID: C05100296-001AMS2 Matrix Spike							10/19/05 14:22		
Aluminum	9.37	mg/L	0.10	90	70	130			
Manganese	10.9	mg/L	0.010	92.7	70	130			
Molybdenum	9.05	mg/L	0.10	90.5	70	130			
Vanadium	9.33	mg/L	0.10	93.3	70	130			
Sample ID: C05100296-001AMS3 Matrix Spike							10/19/05 14:25		
Sulfate	1780	mg/L	1.0	91.4	70	130			
Sample ID: C05100296-001AMSD1 Matrix Spike Duplicate							10/19/05 14:28		
Calcium	732	mg/L	0.50	95.9	70	130	2.6	20	
Magnesium	536	mg/L	0.50	107	70	130	2.8	20	
Potassium	490	mg/L	0.50	98	70	130	4.4	20	
Sodium	557	mg/L	0.50	98.9	70	130	4.4	20	
Sample ID: C05100296-001AMSD2 Matrix Spike Duplicate							10/19/05 14:32		
Aluminum	9.33	mg/L	0.10	89.6	70	130	0.4	20	
Manganese	10.8	mg/L	0.010	92.1	70	130	0.6	20	
Molybdenum	9.33	mg/L	0.10	93.3	70	130	3.0	20	
Vanadium	9.24	mg/L	0.10	92.4	70	130	1.0	20	
Sample ID: C05100296-001AMSD3 Matrix Spike Duplicate							10/19/05 14:35		
Sulfate	1770	mg/L	1.0	90.6	70	130	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: 11/04/05

Work Order: C05100641

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: R57084		
Sample ID: C05100641-001AMS1	Matrix Spike								10/19/05 15:57
Calcium	1070	mg/L	0.57	92	70	130			
Magnesium	794	mg/L	0.53	95	70	130			
Potassium	480	mg/L	0.52	95.1	70	130			
Sodium	604	mg/L	0.62	94.1	70	130			
Sample ID: C05100641-001AMS2	Matrix Spike								10/19/05 16:00
Aluminum	9.06	mg/L	0.10	90.6	70	130			
Manganese	14.9	mg/L	0.010	92.2	70	130			
Molybdenum	10.1	mg/L	0.79	90.3	70	130			
Vanadium	9.54	mg/L	0.10	95.4	70	130			
Sample ID: C05100641-001AMS3	Matrix Spike								10/19/05 16:12
Chloride	948	mg/L	1.0	89.4	70	130			
Sulfate	3460	mg/L	8.0	81.8	70	130			
Sample ID: C05100641-001AMSD1	Matrix Spike Duplicate								10/19/05 16:15
Calcium	1060	mg/L	0.57	90.2	70	130	0.8	20	
Magnesium	788	mg/L	0.53	93.8	70	130	0.8	20	
Potassium	484	mg/L	0.52	95.8	70	130	0.7	20	
Sodium	612	mg/L	0.62	95.7	70	130	1.3	20	
Sample ID: C05100641-001AMSD2	Matrix Spike Duplicate								10/19/05 16:18
Aluminum	8.97	mg/L	0.10	89.7	70	130	1.0	20	
Manganese	14.7	mg/L	0.010	90.2	70	130	1.3	20	
Molybdenum	10.1	mg/L	0.79	90.4	70	130	0	20	
Vanadium	9.50	mg/L	0.10	95	70	130	0.4	20	
Sample ID: C05100641-001AMSD3	Matrix Spike Duplicate								10/19/05 16:21
Chloride	955	mg/L	1.0	90	70	130	0.7	20	
Sulfate	3450	mg/L	8.0	80.9	70	130	0.3	20	
Sample ID: C05100643-001AMS1	Matrix Spike								10/19/05 18:03
Calcium	513	mg/L	0.57	98	70	130			
Magnesium	511	mg/L	0.53	100	70	130			
Potassium	484	mg/L	0.52	96.2	70	130			
Sodium	791	mg/L	0.62	95.8	70	130			
Sample ID: C05100643-001AMS2	Matrix Spike								10/19/05 18:06
Aluminum	9.38	mg/L	0.10	93.5	70	130			
Manganese	9.33	mg/L	0.010	93.3	70	130			
Molybdenum	9.20	mg/L	0.79	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 3

Report Date: 11/04/05

Work Order: C05100641

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R57084
Sample ID: C05100643-001AMS2	Matrix Spike								10/19/05 18:06
Vanadium	9.32	mg/L	0.10	93.2	70	130			
Sample ID: C05100643-001AMS3	Matrix Spike								10/19/05 18:09
Chloride	938	mg/L	1.0	92	70	130			
Sulfate	1470	mg/L	8.0	91.5	70	130			
Sample ID: C05100643-001AMSD1	Matrix Spike Duplicate								10/19/05 18:12
Calcium	521	mg/L	0.57	99.6	70	130	1.5	20	
Magnesium	519	mg/L	0.53	102	70	130	1.6	20	
Potassium	495	mg/L	0.52	98.3	70	130	2.1	20	
Sodium	801	mg/L	0.62	97.8	70	130	1.3	20	
Sample ID: C05100643-001AMSD2	Matrix Spike Duplicate								10/19/05 18:15
Aluminum	9.42	mg/L	0.10	93.9	70	130	0.4	20	
Manganese	9.35	mg/L	0.010	93.5	70	130	0.2	20	
Molybdenum	9.38	mg/L	0.79	93.8	70	130	1.9	20	
Vanadium	9.34	mg/L	0.10	93.4	70	130	0.2	20	
Sample ID: C05100643-001AMSD3	Matrix Spike Duplicate								10/19/05 18:18
Chloride	924	mg/L	1.0	90.6	70	130	1.5	20	
Sulfate	1480	mg/L	8.0	92	70	130	0.3	20	
Sample ID: LFB-101805-07A	Laboratory Fortified Blank								10/20/05 09:02
Aluminum	1.95	mg/L	0.10	97.6	85	125			
Calcium	51.7	mg/L	0.50	103	85	125			
Magnesium	52.4	mg/L	0.50	105	85	125			
Manganese	1.98	mg/L	0.010	98.9	85	125			
Molybdenum	1.96	mg/L	0.10	98.2	85	125			
Potassium	50.1	mg/L	0.50	100	85	125			
Sodium	50.1	mg/L	0.50	100	85	125			
Sulfate	0.599	mg/L	1.0	0	85	125			
Vanadium	2.01	mg/L	0.10	100	85	125			

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: 11/04/05

Work Order: C05100641

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R57131		
Sample ID: LRB Method Blank							10/20/05 14:28		
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: LFB Laboratory Fortified Blank							10/20/05 14:35		
Beryllium	0.0498	mg/L	0.0010	99.6	85	115			
Cadmium	0.0510	mg/L	0.0010	102	85	115			
Cobalt	0.0507	mg/L	0.0010	101	85	115			
Lead	0.0516	mg/L	0.0010	103	85	115			
Nickel	0.0517	mg/L	0.0010	103	85	115			
Uranium	0.0516	mg/L	0.00030	103	85	115			
Sample ID: C05100643-001AMS4 Post Digestion Spike							10/20/05 16:14		
Beryllium	0.0467	mg/L	0.010	93.3	70	130			
Cadmium	0.0480	mg/L	0.010	95.6	70	130			
Cobalt	0.0491	mg/L	0.010	98.1	70	130			
Lead	0.0514	mg/L	0.050	102	70	130			
Nickel	0.0461	mg/L	0.050	91.1	70	130			
Uranium	0.0505	mg/L	0.00030	100	70	130			
Sample ID: C05100643-001AMSD4 Post Digestion Spike Dup							10/20/05 16:21		
Beryllium	0.0469	mg/L	0.010	93.9	70	130	0.6	20	
Cadmium	0.0494	mg/L	0.010	98.5	70	130	2.9	20	
Cobalt	0.0489	mg/L	0.010	97.7	70	130	0.3	20	
Lead	0.0520	mg/L	0.050	103	70	130	1.1	20	
Nickel	0.0484	mg/L	0.050	95.6	70	130	0	20	
Uranium	0.0523	mg/L	0.00030	104	70	130	3.6	20	
Sample ID: C05100641-004AMS4 Post Digestion Spike							10/20/05 18:14		
Beryllium	0.212	mg/L	0.010	84.9	70	130			
Cadmium	0.244	mg/L	0.010	97.7	70	130			
Cobalt	0.255	mg/L	0.010	99.1	70	130			
Lead	0.250	mg/L	0.050	100	70	130			
Nickel	0.243	mg/L	0.050	93.5	70	130			
Uranium	0.352	mg/L	0.00030	95.4	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: 11/04/05

Work Order: C05100641

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R57131		
Sample ID: C05100641-004AMSD4 Post Digestion Spike Dup							10/20/05 18:47		
Beryllium	0.224	mg/L	0.010	89.5	70	130	5.3	20	
Cadmium	0.244	mg/L	0.010	97.7	70	130	0	20	
Cobalt	0.254	mg/L	0.010	98.7	70	130	0.4	20	
Lead	0.256	mg/L	0.050	102	70	130	2.1	20	
Nickel	0.243	mg/L	0.050	93.3	70	130	0.2	20	
Uranium	0.368	mg/L	0.00030	102	70	130	4.7	20	
Sample ID: C05100332-003AMS4 Post Digestion Spike							10/20/05 22:07		
Beryllium	0.258	mg/L	0.010	100	70	130			
Cadmium	0.253	mg/L	0.010	99.6	70	130			
Cobalt	0.532	mg/L	0.010	104	70	130			
Lead	0.261	mg/L	0.050	104	70	130			
Nickel	0.596	mg/L	0.050	102	70	130			
Uranium	0.258	mg/L	0.00030	102	70	130			
Sample ID: C05100332-003AMSD4 Post Digestion Spike Dup							10/20/05 22:14		
Beryllium	0.256	mg/L	0.010	99.4	70	130	1.1	20	
Cadmium	0.255	mg/L	0.010	100	70	130	0.6	20	
Cobalt	0.538	mg/L	0.010	107	70	130	1.3	20	
Lead	0.265	mg/L	0.050	105	70	130	1.6	20	
Nickel	0.596	mg/L	0.050	102	70	130	0	20	
Uranium	0.272	mg/L	0.00030	108	70	130	5.6	20	
Sample ID: C05100333-010AMS4 Post Digestion Spike							10/21/05 00:07		
Beryllium	0.231	mg/L	0.010	92.3	70	130			
Cadmium	0.245	mg/L	0.010	98.1	70	130			
Cobalt	0.246	mg/L	0.010	98	70	130			
Lead	0.256	mg/L	0.050	102	70	130			
Nickel	0.254	mg/L	0.050	101	70	130			
Uranium	0.296	mg/L	0.00030	106	70	130			
Sample ID: C05100333-010AMSD4 Post Digestion Spike Dup							10/21/05 00:41		
Beryllium	0.250	mg/L	0.010	100	70	130	8.0	20	
Cadmium	0.243	mg/L	0.010	97.1	70	130	1.0	20	
Cobalt	0.244	mg/L	0.010	97.5	70	130	0.5	20	
Lead	0.260	mg/L	0.050	104	70	130	1.7	20	
Nickel	0.254	mg/L	0.050	100	70	130	0.2	20	
Uranium	0.309	mg/L	0.00030	111	70	130	4.3	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: 11/04/05
Work Order: C05100641

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: R57131		
Sample ID: C05100338-001AMS4	Post Digestion Spike								10/21/05 02:34
Beryllium	0.621	mg/L	0.010	81.5	70	130			
Cadmium	0.523	mg/L	0.010	97.2	70	130			
Cobalt	2.52	mg/L	0.010		70	130			A
Lead	0.513	mg/L	0.050	102	70	130			
Nickel	2.38	mg/L	0.050		70	130			A
Sample ID: C05100338-001AMSD4	Post Digestion Spike Dup								10/21/05 02:40
Beryllium	0.625	mg/L	0.010	82.2	70	130	0.6	20	
Cadmium	0.519	mg/L	0.010	96.5	70	130	0.7	20	
Cobalt	2.54	mg/L	0.010		70	130	0.8	20	A
Lead	0.520	mg/L	0.050	103	70	130	1.3	20	
Nickel	2.39	mg/L	0.050		70	130	0.4	20	A
Sample ID: C05100746-001HMS4	Post Digestion Spike								10/21/05 03:40
Beryllium	0.0453	mg/L	0.010	90.5	70	130			
Cadmium	0.0447	mg/L	0.010	89.3	70	130			
Cobalt	0.0471	mg/L	0.010	94	70	130			
Lead	0.0506	mg/L	0.050	101	70	130			
Nickel	0.0474	mg/L	0.050	94.4	70	130			
Uranium	0.0537	mg/L	0.00030	107	70	130			
Sample ID: C05100746-001HMSD4	Post Digestion Spike Dup								10/21/05 03:47
Beryllium	0.0467	mg/L	0.010	93.5	70	130	3.2	20	
Cadmium	0.0447	mg/L	0.010	89.5	70	130	0.2	20	
Cobalt	0.0479	mg/L	0.010	95.7	70	130	1.7	20	
Lead	0.0519	mg/L	0.050	103	70	130	2.4	20	
Nickel	0.0485	mg/L	0.050	96.5	70	130	0	20	
Uranium	0.0553	mg/L	0.00030	110	70	130	2.8	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: 11/04/05

Work Order: C05100641

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2		Batch: A2005-10-17_1_NO3_01							
Sample ID: MBLK-1	Method Blank								10/17/05 10:50
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: LCS-2	Laboratory Control Spike								10/17/05 10:53
Nitrogen, Nitrate+Nitrite as N	2.46	mg/L	0.10	98.4	90	110			
Sample ID: C05100641-003DMS	Matrix Spike								10/17/05 11:08
Nitrogen, Nitrate+Nitrite as N	2.14	mg/L	0.10	107	90	110			
Sample ID: C05100641-003DMSD	Matrix Spike Duplicate								10/17/05 11:10
Nitrogen, Nitrate+Nitrite as N	2.11	mg/L	0.10	106	90	110	1.4	10	
Sample ID: MBLK-17	Method Blank								10/17/05 11:30
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: C05100643-003DMS	Matrix Spike								10/17/05 11:45
Nitrogen, Nitrate+Nitrite as N	2.07	mg/L	0.10	104	90	110			
Sample ID: C05100643-003DMSD	Matrix Spike Duplicate								10/17/05 11:48
Nitrogen, Nitrate+Nitrite as N	2.15	mg/L	0.10	108	90	110	3.8	10	
Sample ID: MBLK-32	Method Blank								10/17/05 12:08
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: LCS-33	Laboratory Control Spike								10/17/05 12:10
Nitrogen, Nitrate+Nitrite as N	2.43	mg/L	0.10	97.2	90	110			
Sample ID: C05100647-004BMS	Matrix Spike								10/17/05 12:25
Nitrogen, Nitrate+Nitrite as N	3.15	mg/L	0.10	99	90	110			
Sample ID: C05100647-004BMSD	Matrix Spike Duplicate								10/17/05 12:28
Nitrogen, Nitrate+Nitrite as N	3.18	mg/L	0.10	101	90	110	0.9	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: 11/04/05

Work Order: C05100641

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							Batch: R56895		
Sample ID: 17-Oct-05_LCS_3	Laboratory Control Spike						10/17/05 12:36		
Chloroform	11.4	ug/L	1.0	114	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	96.8	80	120			
Surr: Dibromofluoromethane			1.0	114	70	130			
Surr: p-Bromofluorobenzene			1.0	108	75	125			
Surr: Toluene-d8			1.0	95.2	80	120			
Sample ID: 17-Oct-05_MBLK_6	Method Blank						10/17/05 14:32		
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	93.6	75	125			
Surr: Toluene-d8			0.5	96	80	120			
Sample ID: C05100641-001EMS	Matrix Spike						10/17/05 21:59		
Chloroform	111	ug/L	5.0	111	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	101	80	120			
Surr: Dibromofluoromethane			5.0	119	70	130			
Surr: p-Bromofluorobenzene			5.0	118	75	125			
Surr: Toluene-d8			5.0	94	80	120			
Sample ID: C05100641-001EMSD	Matrix Spike Duplicate						10/17/05 22:38		
Chloroform	114	ug/L	5.0	114	70	130	2.1	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	103	80	120	0	10	
Surr: Dibromofluoromethane			5.0	117	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	116	75	125	0	10	
Surr: Toluene-d8			5.0	94.4	80	120	0	10	
Sample ID: C05100643-001EMS	Matrix Spike						10/18/05 09:25		
Chloroform	106	ug/L	5.0	106	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	104	80	120			
Surr: Dibromofluoromethane			5.0	116	70	130			
Surr: p-Bromofluorobenzene			5.0	121	75	125			
Surr: Toluene-d8			5.0	94	80	120			
Sample ID: C05100643-001EMSD	Matrix Spike Duplicate						10/18/05 10:03		
Chloroform	111	ug/L	5.0	111	70	130	4.1	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	102	80	120	0	10	
Surr: Dibromofluoromethane			5.0	118	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	116	75	125	0	10	
Surr: Toluene-d8			5.0	92.4	80	120	0	10	

Qualifiers:

ND - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 11/04/05

Work Order: C05100641

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R57063
Sample ID: 19-Oct-05_LCS_3	Laboratory Control Spike								10/19/05 11:28
Chloroform	4.24	ug/L	1.0	84.8	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	93.6	80	120			
Surr: Dibromofluoromethane			1.0	100	70	130			
Surr: p-Bromofluorobenzene			1.0	101	75	125			
Surr: Toluene-d8			1.0	91.2	80	120			
Sample ID: 19-Oct-05_MBLK_8									10/19/05 15:10
Chloroform	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			0.5	110	80	120			
Surr: Dibromofluoromethane			0.5	100	70	130			
Surr: p-Bromofluorobenzene			0.5	100	75	125			
Surr: Toluene-d8			0.5	92.8	80	120			
Sample ID: C05100719-001BMS									10/19/05 21:15
Chloroform	108	ug/L	5.0	108	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	122	80	120			S
Surr: Dibromofluoromethane			5.0	109	70	130			
Surr: p-Bromofluorobenzene			5.0	120	75	125			
Surr: Toluene-d8			5.0	109	80	120			
- S=Surrogate recovery outside QC advisory limits. Since the remainder of the QA is acceptable, the batch is approved.									
Sample ID: C05100719-001BMSD									10/19/05 21:54
Chloroform	96.0	ug/L	5.0	96	70	130	11	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	115	80	120	0	10	
Surr: Dibromofluoromethane			5.0	99.2	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	120	75	125	0	10	
Surr: Toluene-d8			5.0	99.2	80	120	0	10	
Method: E900.1									Batch: R57367
Sample ID: C05100608-001A	Matrix Spike								10/20/05 16:55
Gross Alpha minus Rn & U	36.7	pCi/L	1.0	83.3	70	130			
Sample ID: MB-R57367	Method Blank								10/20/05 16:55
Gross Alpha minus Rn & U	ND	pCi/L	1						
Sample ID: LCS-R57367	Laboratory Control Spike								10/20/05 16:55
Gross Alpha minus Rn & U	36.2	pCi/L	1.0	114	70	130			

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: United Nuclear Corp

Project: Zone 3

Report Date: 11/04/05

Work Order: C05100641

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0							Batch: RA226-1270		
Sample ID: C05100641-003AMS	Matrix Spike								10/17/05 15:15
Radium 226	24	pCi/L	0.20	94.6	70	130			
Sample ID: C05100641-003AMSD	Matrix Spike Duplicate								10/17/05 15:15
Radium 226	25	pCi/L	0.20	99.4	70	130	4.1	27.1	
Sample ID: MB-RA226-1270	Method Blank								10/17/05 15:15
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-1270	Laboratory Control Spike								10/17/05 15:15
Radium 226	12	pCi/L	0.20	95.5	70	130			
Method: E907.0							Batch: R57468		
Sample ID: MB-R57468	Method Blank								10/25/05 10:30
Thorium 230	ND	pCi/L	0.2						
Sample ID: LCS-R57468	Laboratory Control Spike								10/25/05 10:30
Thorium 230	24.2	pCi/L	0.20	96.8	70	130			
Sample ID: C05100643-007AMS	Matrix Spike								10/25/05 10:30
Thorium 230	108	pCi/L	0.20	86.6	70	130			
Sample ID: C05100643-007AMSD	Matrix Spike Duplicate								10/25/05 10:30
Thorium 230	129	pCi/L	0.20	103	70	130	18	30	
Method: NERHL-65-4							Batch: R57467		
Sample ID: MB-R57467	Method Blank								10/25/05 10:30
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R57467	Laboratory Control Spike								10/25/05 10:30
Lead 210	73	pCi/L	1.0	85.7	70	130			
Sample ID: C05100643-005ADUP	Sample Duplicate								10/25/05 10:30
Lead 210	ND	pCi/L	1.0				0	30	
Sample ID: C05100643-006AMS	Matrix Spike								10/25/05 10:30
Lead 210	240	pCi/L	1.0	114	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: 11/04/05

Work Order: C05100641

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05							Batch: RA228-1050		
Sample ID: LCS-228-RA226-1270	Laboratory Control Spike								10/17/05 15:15
Radium 228	7.2	pCi/L	1.0	77	70	130			
Sample ID: MB-RA226-1270	Method Blank								10/17/05 15:15
Radium 228	ND	pCi/L	1						
Sample ID: C05100641-009AMS	Matrix Spike								10/17/05 15:15
Radium 228	28	pCi/L	1.0	84.3	70	130			
Sample ID: C05100641-009AMSD	Matrix Spike Duplicate								10/17/05 15:15
Radium 228	31	pCi/L	1.0	98.9	70	130	7.7	28.5	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.