SEMI – ANNUAL QUALITY ASSURANCE

CHURCH ROCK SITE

JULY AND OCTOBER OF 2008 SAMPLING EVENTS

FEBRUARY - 2009

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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 July3, 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 2008 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 B.

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 of 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 (1 of 2 and 2 of 2).

5.0 DATA EVALUATION

Analytical reports are reviewed by the Remedial Project Managers and site 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

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer	4.05	7-7-08@0920	MC
7-Buffer	7.07	7-7-08@0918	MC

GROUND WATER MONITORING FIELD DATA SHEET

3RD QUARTER 2008

SAMPLING

Cond. Standard Verification Check

STD.	µS/cm Reading	Date/Time	Initial
1413 µS/cm	1415	7-7-08@0922	MC

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	509-D	76.60'	76.70'	1st Cond. 5,960	2nd Cond. 6,020	Stable Cond. 6,070	Ending Cond. 6,500
7-7-08				1st pH 6.36	2nd pH 6.36	Stable pH 6.38	Ending pH 6.19
	Time	Bubbler Start	Bubbler End	1st Temp. 15.7	2nd Temp. 15.5	Stable Temp. 15.2	Ending Temp. 14.6
	0950	3.839'	3.749'	Comments: Conductivity is in uS/cm Temperature is in °C ph is in std. units			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	EPA-23	53.10'	53.40'	1st Cond. 4,140	2nd Cond. 4,360	Stable Cond. 4,480	Ending Cond. 4,880
7-7-08				1st pH 6.70	2nd pH 6.64	Stable pH 6.55	Ending pH 6.38
	Time	Bubbler Start	Bubbler End	1st Temp. 15.8	2nd Temp. 16.0	Stable Temp. 15.3	Ending Temp. 14.9
	1030	8.849'	8.577'	Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	803	60.60'	60.70'	1st Cond. 4,860	2nd Cond. 5,290	Stable Cond. 6,380	Ending Cond. 6,780
7-7-08				1st pH 6.95	2nd pH 6.63	Stable pH 6.32	Ending pH 6.22
	Time	Bubbler Start	Bubbler End	1st Temp. 16.4	2nd Temp. 16.8	Stable Temp. 15.2	Ending Temp. 15.2
	1105	16.208'	16.098'	Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	808	47.95'	48.15'	1st Cond. 5,480	2nd Cond. 5,880	Stable Cond. 6,050	Ending Cond. 6,700
7-7-08				1st pH 6.39	2nd pH 6.37	Stable pH 6.35	Ending pH 6.26
	Time	Bubbler Start	Bubbler End	1st Temp. 20.3	2nd Temp. 20.1	Stable Temp. 19.7	Ending Temp. 15.8
	1145	16.669'	15.526'	Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	802	46.50'	46.55'	1st Cond. 6,700	2nd Cond. 6,830	Stable Cond. 7,360	Ending Cond. 7,830
7-7-08				1st pH 6.32	2nd pH 6.33	Stable pH 6.28	Ending pH 6.25
	Time	Bubbler Start	Bubbler End	1st Temp. 18.1	2nd Temp. 17.2	Stable Temp. 16.9	Ending Temp. 15.9
	1225	21.218'	21.512'	Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	801	50.10'	51.10'	1st Cond. 5,520	2nd Cond. 5,900	Stable Cond. 6,290	Ending Cond. 6,480
7-7-08				1st pH 6.33	2nd pH 6.27	Stable pH 6.23	Ending pH 6.18
	Time	Bubbler Start	Bubbler End	1st Temp. 18.1	2nd Temp. 17.7	Stable Temp. 16.8	Ending Temp. 15.6
	1415	11.646'	10.615'	Comments:			

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer	4.05	7-8-08/0825	rc
7-Buffer		7-8-08/0823	rc

GROUND WATER MONITORING FIELD DATA SHEET

3RD QUARTER 2008
SAMPLING

Cond. Standard Verification Check

STD. µS/cm	Reading	Date/Time	Initial
1413 µS/cm	1441	7-8-08/0827	rc

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
				1st Cond. 6,990	2nd Cond. 7,130	Stable Cond. 7,440	Ending Cond. 7,860
7-7-08	GW-2	54.70'	55.45'	1st pH 6.10	2nd pH 6.11	Stable pH 6.10	Ending pH 6.08
	Time	Bubbler Start	Bubbler End	1st Temp. 18.3	2nd Temp. 17.3	Stable Temp. 16.0	Ending Temp. 14.5
	1450	15.982'	15.372'	Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
				1st Cond. 5,590	2nd Cond. 5,800	Stable Cond. 6,830	Ending Cond. 6,830
7-7-08	GW-1	60.45'	60.55'	1st pH 6.82	2nd pH 6.73	Stable pH 6.49	Ending pH 6.42
	Time	Bubbler Start	Bubbler End	1st Temp. 18.4	2nd Temp. 17.4	Stable Temp. 15.5	Ending Temp. 16.5
	1545	10.289'	10.262'	Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
				1st Cond. 6,300	2nd Cond. 6,760	Stable Cond. 7,200	Ending Cond. 7,240
7-7-08	632	43.20'	44.25'	1st pH 6.34	2nd pH 6.28	Stable pH 6.17	Ending pH 6.16
	Time	Bubbler Start	Bubbler End	1st Temp. 15.4	2nd Temp. 14.8	Stable Temp. 14.3	Ending Temp. 15.1
	1620	13.619'	12.705'	Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
				1st Cond. 4,310	2nd Cond. 4,750	Stable Cond. 5,070	Ending Cond. 5,330
7-8-08	624	49.90'	49.95'	1st pH 6.48	2nd pH 6.44	Stable pH 6.43	Ending pH 6.33
	Time	Bubbler Start	Bubbler End	1st Temp. 16.4	2nd Temp. 16.2	Stable Temp. 15.9	Ending Temp. 15.5
	0850	12.645'	12.610'	Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
				1st Cond. 6,500	2nd Cond. 7,000	Stable Cond. 7,530	Ending Cond. 7,530
7-8-08	SBL-1	50.20'	50.90'	1st pH 7.02	2nd pH 6.91	Stable pH 6.72	Ending pH 6.42
	Time	Bubbler Start	Bubbler End	1st Temp. 16.8	2nd Temp. 16.6	Stable Temp. 15.6	Ending Temp. 15.5
	0945	9.609'	8.934'	Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
				1st Cond. 4,460	2nd Cond. 4,600	Stable Cond. 4,770	Ending Cond. 5,010
7-8-08	EPA-28	61.95'	62.20'	1st pH 7.09	2nd pH 6.98	Stable pH 6.85	Ending pH 6.53
	Time	Bubbler Start	Bubbler End	1st Temp. 17.4	2nd Temp. 17.1	Stable Temp. 16.8	Ending Temp. 15.5
	1025	8.450'	8.250'	Comments:			

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer			
7-Buffer			

GROUND WATER MONITORING FIELD DATA SHEET

3RD QUARTER 2008

SAMPLING

Cond. Standard Verification Check

STD. µS/cm Reading	Date/Time	Initial
1413 µS/cm		

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
7-8-08	EPA-28 DUPLICATE	62.20'	62.20'	1st Cond. 5,110	2nd Cond. 5,070	Stable Cond. 5,120	Ending Cond. 5,010
	Time	Bubbler Start	Bubbler End	1st pH 6.53	2nd pH 6.54	Stable pH 6.54	Ending pH 6.53
	1100	8.250'	8.165'	1st Temp. 15.3	2nd Temp. 15.2	Stable Temp. 15.2	Ending Temp. 15.9
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
7-8-08	613	79.10'	79.95'	1st Cond. 7,990	2nd Cond. 8,930	Stable Cond. 9,430	Ending Cond. 9,900
	Time	Bubbler Start	Bubbler End	1st pH 3.05	2nd pH 3.02	Stable pH 2.98	Ending pH 2.80
	1145	5.752'	4.913'	1st Temp. 17.3	2nd Temp. 17.0	Stable Temp. 16.2	Ending Temp. 15.3
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
7-8-08	GW-3	51.85'	52.60'	1st Cond. 4,030	2nd Cond. 4,440	Stable Cond. 4,610	Ending Cond. 5,430
	Time	Bubbler Start	Bubbler End	1st pH 6.74	2nd pH 6.57	Stable pH 6.44	Ending pH 6.28
	1330	3.835'	3.148'	1st Temp. 19.3	2nd Temp. 19.0	Stable Temp. 18.7	Ending Temp. 17.9
				Comments: Need to inspect bladder pump check valve due to a slow discharge.			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
7-8-08	EPA-25	52.60'	52.70'	1st Cond. 3,830	2nd Cond. 4,010	Stable Cond. 4,240	Ending Cond. 4,480
	Time	Bubbler Start	Bubbler End	1st pH 6.65	2nd pH 6.64	Stable pH 6.64	Ending pH 6.54
	1425	8.303'	8.211'	1st Temp. 18.6	2nd Temp. 17.9	Stable Temp. 17.2	Ending Temp. 16.7
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
7-8-08	627	57.75'	57.85'	1st Cond. 4,200	2nd Cond. 4,580	Stable Cond. 4,640	Ending Cond. 4,950
	Time	Bubbler Start	Bubbler End	1st pH 6.95	2nd pH 6.89	Stable pH 6.83	Ending pH 6.68
	1515	4.800'	4.728'	1st Temp. 20.2	2nd Temp. 20.7	Stable Temp. 19.5	Ending Temp. 17.5
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
7-9-08	614	102.80'	103.55'	1st Cond. 5,780	2nd Cond. 6,180	Stable Cond. 6,260	Ending Cond. 6,390
	Time	Bubbler Start	Bubbler End	1st pH 6.90	2nd pH 7.00	Stable pH 7.03	Ending pH 7.49
	0840	3.640'	2.971'	1st Temp. 16.7	2nd Temp. 15.9	Stable Temp. 16.0	Ending Temp. 16.0
				Comments:			

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer	3.99	7-9-08/0815	rc
7-Buffer	7.01	7-9-08/0800	rc

GROUND WATER MONITORING FIELD DATA SHEET
3RD QUARTER 2008
SAMPLING

Cond. Standard Verification Check

STD.	μS/cm Reading	Date/Time	Initial
1413 μS/cm	1436	7-9-08/0820	rc

Date	Well Number / Time	WL w/Probe Pre-Sample / Bubbler Start	WL w/Probe Post Sample / Bubbler End	Reading	Reading	Reading	Reading
7-9-08	515-A	102.75'	108.50'	1st Cond. 7,170	2nd Cond. 7,410	Stable Cond. 7,460	Ending Cond. 7,530
				1st pH 6.71	2nd pH 6.65	Stable pH 6.61	Ending pH 5.44
				1st Temp. 16.1	2nd Temp. 16.3	Stable Temp. 15.6	Ending Temp. 17.0
	Time 0930	Bubbler Start 6.520'	Bubbler End 0.682'	Comments:			
7-9-08	604	101.80'	102.45'	1st Cond. 5,890	2nd Cond. 6,250	Stable Cond. 6,420	Ending Cond. 6,680
				1st pH 5.68	2nd pH 5.50	Stable pH 5.36	Ending pH 4.95
				1st Temp. 17.1	2nd Temp. 16.3	Stable Temp. 16.0	Ending Temp. 15.7
	Time 1015	Bubbler Start 7.649'	Bubbler End 7.070'	Comments:			
7-9-08	FIELD BLANK			1st Cond. 62	2nd Cond.	Stable Cond.	Ending Cond.
				1st pH 8.58	2nd pH	Stable pH	Ending pH
				1st Temp. 21.9	2nd Temp.	Stable Temp.	Ending Temp.
	Time 1130	Bubbler Start	Bubbler End	Comments:			
Date	Well Number			1st Cond.	2nd Cond.	Stable Cond.	Ending Cond.
				1st pH	2nd pH	Stable pH	Ending pH
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
	Time	Bubbler Start	Bubbler End	Comments:			
Date	Well Number			1st Cond.	2nd Cond.	Stable Cond.	Ending Cond.
				1st pH	2nd pH	Stable pH	Ending pH
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
	Time	Bubbler Start	Bubbler End	Comments:			
Date	Well Number			1st Cond.	2nd Cond.	Stable Cond.	Ending Cond.
				1st pH	2nd pH	Stable pH	Ending pH
				1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
	Time	Bubbler Start	Bubbler End	Comments:			

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer	4.04	7-14-08/0820	MC
7-Buffer	7.01	7-14-08/0817	MC

GROUND WATER MONITORING FIELD DATA SHEET

3RD QUARTER 2008
SAMPLING

Cond. Standard Verification Check

STD. µS/cm	Reading	Date/Time	Initial
1413 µS/cm	1385	7-14-08/0825	MC

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	EPA-7	113.70'	114.95'	1st Cond. 6,700	2nd Cond. 7,050	Stable Cond. 7,190	Ending Cond. 7,250
				1st pH 7.17	2nd pH 6.98	Stable pH 6.65	Ending pH 6.13
7-14-08	Time	Bubbler Start	Bubbler End	1st Temp. 15.4	2nd Temp. 15.1	Stable Temp. 14.7	Ending Temp. 13.4
	0850	13.380'	12.187'	Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	EPA-5	123.95'	124.45'	1st Cond. 4,080	2nd Cond. 4,150	Stable Cond. 4,330	Ending Cond. 4,480
				1st pH 6.52	2nd pH 6.54	Stable pH 6.54	Ending pH 6.02
7-14-08	Time	Bubbler Start	Bubbler End	1st Temp. 16.4	2nd Temp. 16.0	Stable Temp. 15.1	Ending Temp. 14.2
	0945	6.924'	6.441'	Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	EPA-4	205.50'	206.00'	1st Cond. 3,710	2nd Cond. 3,980	Stable Cond. 3,970	Ending Cond. 4,310
				1st pH 6.70	2nd pH 6.82	Stable pH 6.92	Ending pH 6.77
7-14-08	Time	Bubbler Start	Bubbler End	1st Temp. 15.3	2nd Temp. 14.7	Stable Temp. 14.1	Ending Temp. 14.0
	1030	17.363'	16.985'	Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	EPA-2	172.50'	173.10'	1st Cond. 2,630	2nd Cond. 2,640	Stable Cond. 2,650	Ending Cond. 2,670
				1st pH 7.20	2nd pH 7.20	Stable pH 7.20	Ending pH 6.89
7-14-08	Time	Bubbler Start	Bubbler End	1st Temp. 16.1	2nd Temp. 15.9	Stable Temp. 15.8	Ending Temp. 14.2
	1125	9.057'	8.482'	Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	EPA-2 DUPLICATE	173.10'	172.35'	1st Cond. 2,670	2nd Cond. 2,670	Stable Cond. 2,680	Ending Cond. 2,680
				1st pH 6.86	2nd pH 6.85	Stable pH 6.83	Ending pH 6.84
7-14-08	Time	Bubbler Start	Bubbler End	1st Temp. 14.2	2nd Temp. 14.1	Stable Temp. 14.0	Ending Temp. 14.3
	1205	8.482'	8.151'	Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	708	152.00'	153.00'	1st Cond. 4,940	2nd Cond. 5,180	Stable Cond. 5,350	Ending Cond. 5,090
				1st pH 3.09	2nd pH 2.98	Stable pH 2.88	Ending pH 3.81
7-14-08	Time	Bubbler Start	Bubbler End	1st Temp. 17.4	2nd Temp. 17.2	Stable Temp. 16.1	Ending Temp. 15.4
	1405	6.520'	5.498'	Comments:			

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer	4.02	7-15-08/0817	RC
7-Buffer	6.99	7-15-08/0815	RC

GROUND WATER MONITORING FIELD DATA SHEET
3RD QUARTER 2008
SAMPLING

Cond. Standard Verification Check

STD. µS/cm	Reading	Date/Time	Initial
1413 µS/cm	1436	7-15-08/0820	RC

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
7-14-08	711	181.05'	181.90'	1st Cond. 3,810	2nd Cond. 4,200	Stable Cond. 4,520	Ending Cond. 4,520
	Time	Bubbler Start	Bubbler End	1st pH 3.36	2nd pH 3.25	Stable pH 3.14	Ending pH 4.58
	1445	11.065'	10.280'	1st Temp. 18.2	2nd Temp. 17.5	Stable Temp. 16.7	Ending Temp. 15.6
				Comments:			
7-14-08	711 DUPLICATE	181.90'	182.30'	1st Cond. 4,520	2nd Cond. 4,530	Stable Cond. 4,540	Ending Cond. 4,470
	Time	Bubbler Start	Bubbler End	1st pH 4.60	2nd pH 4.61	Stable pH 4.62	Ending pH 4.77
	1520	10.280'	8.047'	1st Temp. 15.6	2nd Temp. 15.6	Stable Temp. 15.6	Ending Temp. 15.5
				Comments:			
7-14-08	EPA-13	166.55'	167.60'	1st Cond. 5,120	2nd Cond. 5,210	Stable Cond. 5,400	Ending Cond. 5,600
	Time	Bubbler Start	Bubbler End	1st pH 6.11	2nd pH 6.15	Stable pH 6.22	Ending pH 5.98
	1605	6.391'	5.367'	1st Temp. 16.3	2nd Temp. 16.0	Stable Temp. 15.6	Ending Temp. 14.8
				Comments: Need to inspect bladder pump check valve due to slow discharge.			
7-15-08	TWQ-142	201.25'	201.80'	1st Cond. 1,649	2nd Cond. 1,649	Stable Cond. 1,692	Ending Cond. 1,755
	Time	Bubbler Start	Bubbler End	1st pH 6.41	2nd pH 6.48	Stable pH 6.69	Ending pH 7.42
	0845	19.668'	19.119'	1st Temp. 15.8	2nd Temp. 15.5	Stable Temp. 14.7	Ending Temp. 15.2
				Comments:			
7-15-08	517	103.00'	108.65'	1st Cond. 2,710	2nd Cond. 4,590	Stable Cond. 4,650	Ending Cond. 4,630
	Time	Bubbler Start	Bubbler End	1st pH 3.75	2nd pH 3.74	Stable pH 3.75	Ending pH 4.00
	0935	3.735'	0.330'	1st Temp. 16.4	2nd Temp. 16.2	Stable Temp. 15.8	Ending Temp. 15.4
				Comments: Sampled after replacing faulty bladder pump check valve.			
7-15-08	EPA-14	117.50'	117.65'	1st Cond. 5,830	2nd Cond. 5,930	Stable Cond. 6,020	Ending Cond. 6,060
	Time	Bubbler Start	Bubbler End	1st pH 4.35	2nd pH 4.34	Stable pH 4.33	Ending pH 4.27
	1015	4.870'	4.766'	1st Temp. 15.7	2nd Temp. 15.3	Stable Temp. 15.0	Ending Temp. 15.0
				Comments:			

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer			
7-Buffer			

GROUND WATER MONITORING FIELD DATA SHEET

3RD QUARTER 2008
SAMPLING

Cond. Standard Verification Check

STD. µS/cm	Reading	Date/Time	Initial
1413 µS/cm			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
				1st Cond. 4,760	2nd Cond. 4,930	Stable Cond. 5,030	Ending Cond. 5,270
	717			1st pH 6.02	2nd pH 6.08	Stable pH 6.06	Ending pH 5.27
		127.55'	127.70'	1st Temp. 16.9	2nd Temp. 16.6	Stable Temp. 16.1	Ending Temp. 16.2
7-15-08	Time	Bubbler Start	Bubbler End	Comments:			
	1050	4.063'	3.997'				

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
				1st Cond. 3,010	2nd Cond. 3,210	Stable Cond. 3,250	Ending Cond. 3,380
	420			1st pH 6.93	2nd pH 7.04	Stable pH 7.09	Ending pH 6.64
		146.45'	147.10'	1st Temp. 18.9	2nd Temp. 18.3	Stable Temp. 18.0	Ending Temp. 18.0
7-15-08	Time	Bubbler Start	Bubbler End	Comments:			
	1130	7.829'	7.369'				

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
				1st Cond. 3,220	2nd Cond. 3,540	Stable Cond. 3,590	Ending Cond. 3,850
	NBL-1			1st pH 6.95	2nd pH 6.96	Stable pH 6.98	Ending pH 6.33
		180.75'	180.82'	1st Temp. 18.9	2nd Temp. 18.3	Stable Temp. 17.9	Ending Temp. 17.6
7-15-08	Time	Bubbler Start	Bubbler End	Comments:			
	1330	2.442'	2.284'				

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
				1st Cond. 3,640	2nd Cond. 3,770	Stable Cond. 4,150	Ending Cond. 4,340
	719			1st pH 3.93	2nd pH 3.77	Stable pH 3.60	Ending pH 3.94
		164.60'	165.20'	1st Temp. 18.5	2nd Temp. 18.0	Stable Temp. 16.4	Ending Temp. 15.8
7-15-08	Time	Bubbler Start	Bubbler End	Comments:			
	1535	2.487'	1.922'				

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
				1st Cond. 4,800	2nd Cond. 4,910	Stable Cond. 5,010	Ending Cond. 5,070
	504-B			1st pH 3.58	2nd pH 3.53	Stable pH 3.51	Ending pH 5.26
		166.30'	166.60'	1st Temp. 18.6	2nd Temp. 18.4	Stable Temp. 18.2	Ending Temp. 18.6
7-15-08	Time	Bubbler Start	Bubbler End	Comments:			
	1615	1.002'	0.588'				

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
				1st Cond. 54	2nd Cond.	Stable Cond.	Ending Cond.
	FIELD BLANK			1st pH 6.81	2nd pH	Stable pH	Ending pH
				1st Temp. 29.8	2nd Temp.	Stable Temp.	Ending Temp.
7-15-08	Time	Bubbler Start	Bubbler End	Comments:			
	1730						

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer	4.07	10-6-08/0840	[illegible]
7-Buffer	7.09	10-6-08/0835	[illegible]

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Cond. Standard Verification Check

STD.	µS/cm Reading	Date/Time	Initial
1413 µS/cm	1437	10-6-08/0842	[illegible]

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
10-6-08	509-D	76.90'	76.95'	1st Cond. 6,190	2nd Cond. 6,380	Stable Cond. 6,240	Ending Cond. 6,530
	Time	Bubbler Start	Bubbler End	1st pH 6.52	2nd pH 6.54	Stable pH 6.47	Ending pH 6.30
	0905	3.554'	3.529'	1st Temp. 12.7	2nd Temp. 12.6	Stable Temp. 12.6	Ending Temp. 12.9
				Comments: Conductivity is in uS/cm Temperature is in °C pH is in std. units			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
10-6-08	EPA-23	53.35'	53.65'	1st Cond. 4,310	2nd Cond. 4,540	Stable Cond. 4,640	Ending Cond. 4,640
	Time	Bubbler Start	Bubbler End	1st pH 6.32	2nd pH 6.65	Stable pH 6.57	Ending pH 6.49
	0950	8.574'	8.305'	1st Temp. 15.4	2nd Temp. 14.6	Stable Temp. 14.0	Ending Temp. 13.7
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
10-6-08	803	61.00'	61.70'	1st Cond. 5,560	2nd Cond. 6,460	Stable Cond. 6,540	Ending Cond. 6,440
	Time	Bubbler Start	Bubbler End	1st pH 6.41	2nd pH 6.40	Stable pH 6.39	Ending pH 6.33
	1035	15.782'	14.007'	1st Temp. 14.1	2nd Temp. 13.5	Stable Temp. 13.5	Ending Temp. 14.3
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
10-6-08	808	48.20'	48.49'	1st Cond. 3,910	2nd Cond. 5,290	Stable Cond. 6,250	Ending Cond. 6,580
	Time	Bubbler Start	Bubbler End	1st pH 6.84	2nd pH 6.65	Stable pH 6.50	Ending pH 6.33
	1145	15.252'	15.188'	1st Temp. 14.9	2nd Temp. 14.5	Stable Temp. 14.3	Ending Temp. 14.0
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
10-6-08	802	46.90'	46.96'	1st Cond. 4,510	2nd Cond. 5,430	Stable Cond. 7,430	Ending Cond. 7,830
	Time	Bubbler Start	Bubbler End	1st pH 7.19	2nd pH 6.65	Stable pH 6.43	Ending pH 6.32
	1230	20.833'	20.815'	1st Temp. 15.9	2nd Temp. 15.2	Stable Temp. 14.2	Ending Temp. 14.5
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
10-6-08	801	50.50'	51.50'	1st Cond. 1,240	2nd Cond. 4,970	Stable Cond. 6,240	Ending Cond. 6,410
	Time	Bubbler Start	Bubbler End	1st pH 6.82	2nd pH 6.71	Stable pH 6.45	Ending pH 6.30
	1305	11.232'	10.255'	1st Temp. 16.3	2nd Temp. 15.8	Stable Temp. 14.4	Ending Temp. 13.7
				Comments:			

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer	4.10	10-7-08/0830	~
7-Buffer	7.00	10-7-08/0820	~

GROUND WATER MONITORING FIELD DATA SHEET

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Cond. Standard Verification Check

STD. µS/cm	Reading	Date/Time	Initial
1413 µS/cm	1415	10-7-08/0835	~

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
				1st Cond. 2,690	2nd Cond. 3,870	Stable Cond. 4,250	Ending Cond. 6,770
10-6-08	GW-2	55.20'	55.90'	1st pH 6.22	2nd pH 6.30	Stable pH 6.31	Ending pH 6.22
				1st Temp. 17.2	2nd Temp. 18.5	Stable Temp. 18.7	Ending Temp. 14.4
	Time	Bubbler Start	Bubbler End	Comments:			
	1400	15.620'	15.001'				

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
				1st Cond. 5,500	2nd Cond. 5,620	Stable Cond. 6,240	Ending Cond. 6,240
10-6-08	GW-1	60.90'	60.92'	1st pH 7.32	2nd pH 7.38	Stable pH 6.71	Ending pH 6.42
				1st Temp. 15.4	2nd Temp. 15.2	Stable Temp. 14.5	Ending Temp. 14.4
	Time	Bubbler Start	Bubbler End	Comments:			
	1510	9.909'	9.883'				

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
				1st Cond. 6,310	2nd Cond. 6,520	Stable Cond. 7,200	Ending Cond. 7,290
10-6-08	632	43.70'	45.24'	1st pH 7.05	2nd pH 6.93	Stable pH 6.40	Ending pH 6.21
				1st Temp. 17.9	2nd Temp. 15.3	Stable Temp. 14.3	Ending Temp. 14.0
	Time	Bubbler Start	Bubbler End	Comments:			
	1555	13.396'	11.626'				

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
				1st Cond. 4,450	2nd Cond. 4,840	Stable Cond. 5,000	Ending Cond. 5,240
10-7-08	624	50.15'	50.20'	1st pH 6.38	2nd pH 6.43	Stable pH 6.46	Ending pH 6.46
				1st Temp. 12.5	2nd Temp. 12.4	Stable Temp. 12.2	Ending Temp. 12.8
	Time	Bubbler Start	Bubbler End	Comments:			
	0855	12.400'	12.421'				

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
				1st Cond. 6,480	2nd Cond. 6,920	Stable Cond. 7,080	Ending Cond. 7,500
10-7-08	SBL-1	50.21'	50.95'	1st pH 7.02	2nd pH 6.99	Stable pH 6.93	Ending pH 6.67
				1st Temp. 13.8	2nd Temp. 13.3	Stable Temp. 13.2	Ending Temp. 13.4
	Time	Bubbler Start	Bubbler End	Comments:			
	0940	9.572'	8.895'				

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
				1st Cond. 4,530	2nd Cond. 4,670	Stable Cond. 4,810	Ending Cond. 5,020
10-7-08	EPA-28	62.30'	62.55'	1st pH 6.93	2nd pH 6.89	Stable pH 6.82	Ending pH 6.81
				1st Temp. 14.7	2nd Temp. 14.8	Stable Temp. 14.2	Ending Temp. 13.8
	Time	Bubbler Start	Bubbler End	Comments:			
	1025	8.700'	7.832'				

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer			
7-Buffer			

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Cond. Standard Verification Check

STD. µS/cm Reading	Date/Time	Initial
1413 µS/cm		

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	EPA-28 DUPLICATE	62.55'	62.55'	1st Cond. 5,030	2nd Cond. 5,020	Stable Cond. 5,060	Ending Cond. 5,010
10-7-08	Time	Bubbler Start	Bubbler End	1st pH 6.76	2nd pH 6.74	Stable pH 6.73	Ending pH 6.75
	1055	7.832'	7.710'	1st Temp. 13.8	2nd Temp. 13.5	Stable Temp. 13.5	Ending Temp. 13.8
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	613	79.15'	80.00'	1st Cond. 9,420	2nd Cond. 9,580	Stable Cond. 9,630	Ending Cond. 10,110
10-7-08	Time	Bubbler Start	Bubbler End	1st pH 3.11	2nd pH 3.07	Stable pH 3.03	Ending pH 2.78
	1145	5.587'	4.702'	1st Temp. 15.3	2nd Temp. 15.3	Stable Temp. 14.7	Ending Temp. 13.9
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	GW-3	52.25'	53.10'	1st Cond. 4,970	2nd Cond. 5,100	Stable Cond. 5,280	Ending Cond. 5,350
10-7-08	Time	Bubbler Start	Bubbler End	1st pH 6.41	2nd pH 6.45	Stable pH 6.50	Ending pH 6.59
	1320	3.533'	2.622'	1st Temp. 17.3	2nd Temp. 16.9	Stable Temp. 16.1	Ending Temp. 15.5
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	EPA-25	52.98'	53.07'	1st Cond. 3,670	2nd Cond. 3,780	Stable Cond. 3,900	Ending Cond. 4,350
10-7-08	Time	Bubbler Start	Bubbler End	1st pH 6.98	2nd pH 6.95	Stable pH 6.91	Ending pH 6.82
	1415	7.960'	7.858'	1st Temp. 16.6	2nd Temp. 16.5	Stable Temp. 15.7	Ending Temp. 14.4
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	627	58.23'	58.47'	1st Cond. 4,620	2nd Cond. 4,700	Stable Cond. 4,800	Ending Cond. 4,890
10-7-08	Time	Bubbler Start	Bubbler End	1st pH 7.24	2nd pH 7.19	Stable pH 7.08	Ending pH 6.98
	1505	4.605'	4.526'	1st Temp. 17.1	2nd Temp. 16.6	Stable Temp. 16.0	Ending Temp. 15.4
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	614	103.00'	103.75'	1st Cond. 6,330	2nd Cond. 6,410	Stable Cond. 7,170	Ending Cond. 7,440
10-8-08	Time	Bubbler Start	Bubbler End	1st pH 7.04	2nd pH 7.06	Stable pH 7.07	Ending pH 6.48
	0835	3.505'	2.771'	1st Temp. 13.4	2nd Temp. 13.3	Stable Temp. 13.1	Ending Temp. 13.3
				Comments:			

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer	4.02	10-8-08/0800	MC
7-Buffer	7.09	10-8-08/0805	MC

GROUND WATER MONITORING FIELD DATA SHEET

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Cond. Standard Verification Check

STD. µS/cm	Reading	Date/Time	Initial
1413 µS/cm			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	515-A	102.95'	107.24'	1st Cond. 6,620	2nd Cond. 7,100	Stable Cond. 7,350	Ending Cond. 7,570
10-8-08	Time	Bubbler Start	Bubbler End	1st pH 6.20	2nd pH 6.27	Stable pH 6.33	Ending pH 5.64
	0930	6.392'	0.311'	1st Temp. 14.5	2nd Temp. 14.2	Stable Temp. 13.9	Ending Temp. 14.9
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	FIELD BLANK			1st Cond. 65	2nd Cond.	Stable Cond.	Ending Cond.
10-8-08	Time	Bubbler Start	Bubbler End	1st pH 7.35	2nd pH	Stable pH	Ending pH
	1110			1st Temp. 15.9	2nd Temp.	Stable Temp.	Ending Temp.
				Comments:			

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
	Time	Bubbler Start	Bubbler End	1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	604	101.92'	102.60'	1st Cond. 6,240	2nd Cond. 6,280	Stable Cond. 6,310	Ending Cond. 6,290
10-13-08	Time	Bubbler Start	Bubbler End	1st pH 4.00	2nd pH 4.08	Stable pH 4.20	Ending pH 4.98
	0925	7.540'	6.936'	1st Temp. 11.0	2nd Temp. 10.9	Stable Temp. 10.9	Ending Temp. 12.0
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	EPA-7	113.82'	115.24'	1st Cond. 7,380	2nd Cond. 7,400	Stable Cond. 7,410	Ending Cond. 7,450
10-13-08	Time	Bubbler Start	Bubbler End	1st pH 6.62	2nd pH 6.68	Stable pH 6.70	Ending pH 6.08
	1015	13.274'	11.910'	1st Temp. 12.0	2nd Temp. 11.9	Stable Temp. 11.8	Ending Temp. 12.0
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	EPA-5	124.10'	124.63'	1st Cond. 4,360	2nd Cond. 4,4	Stable Cond. 4,430	Ending Cond. 4,490
10-13-08	Time	Bubbler Start	Bubbler End	1st pH 6.23	2nd pH 6.20	Stable pH 6.17	Ending pH 5.92
	1050	6.821'	6.283'	1st Temp. 13.2	2nd Temp. 13.0	Stable Temp. 13.0	Ending Temp. 12.8
				Comments:			

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer	4.05	10-13-08/0835	[illegible]
7-Buffer	7.03	10-13-08/0828	[illegible]

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Cond. Standard Verification Check

STD. µS/cm	Reading	Date/Time	Initial
1413 µS/cm	1434	10-13-08/0837	[illegible]

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
				1st Cond. 3,800	2nd Cond. 3,950	Stable Cond. 4,020	Ending Cond. 4,330
	EPA-4			1st pH 6.65	2nd pH 6.68	Stable pH 6.71	Ending pH 6.69
		205.72'	206.10'	1st Temp. 13.4	2nd Temp. 13.1	Stable Temp. 12.9	Ending Temp. 12.8
10-13-08	Time	Bubbler Start	Bubbler End	Comments:			
	1137	17.280'	16.900'				

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
				1st Cond. 2,700	2nd Cond. 2,640	Stable Cond. 2,660	Ending Cond. 2,670
	EPA-2			1st pH 7.03	2nd pH 7.05	Stable pH 7.05	Ending pH 6.83
		172.60'	173.30'	1st Temp. 13.4	2nd Temp. 13.3	Stable Temp. 13.3	Ending Temp. 13.1
10-13-08	Time	Bubbler Start	Bubbler End	Comments:			
	1250	8.940'	8.207'				

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
				1st Cond. 2,680	2nd Cond. 2,680	Stable Cond. 2,680	Ending Cond. 2,660
	EPA-2			1st pH 6.81	2nd pH 6.79	Stable pH 6.78	Ending pH 6.69
	DUPLICATE	173.30'	173.56'	1st Temp. 13.2	2nd Temp. 13.0	Stable Temp. 13.0	Ending Temp. 13.4
10-13-08	Time	Bubbler Start	Bubbler End	Comments:			
	1330	8.207'	7.906'				

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
				1st Cond. 4,730	2nd Cond. 4,990	Stable Cond. 5,050	Ending Cond. 4,730
	517			1st pH 3.05	2nd pH 3.01	Stable pH 3.01	Ending pH 3.70
		102.60'	108.23'	1st Temp. 14.3	2nd Temp. 14.3	Stable Temp. 13.8	Ending Temp. 13.7
10-13-08	Time	Bubbler Start	Bubbler End	Comments:			
	1405	4.080'	0.351'				

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
				1st Cond. 5,040	2nd Cond. 5,400	Stable Cond. 5,560	Ending Cond. 5,190
	708			1st pH 2.94	2nd pH 2.79	Stable pH 2.75	Ending pH 3.62
		152.14'	153.20'	1st Temp. 13.4	2nd Temp. 13.3	Stable Temp. 12.9	Ending Temp. 12.8
10-13-08	Time	Bubbler Start	Bubbler End	Comments:			
	1450	6.323'	5.300'				

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
				1st Cond. 4,430	2nd Cond. 4,670	Stable Cond. 4,740	Ending Cond. 4,450
	711			1st pH 2.99	2nd pH 2.98	Stable pH 2.97	Ending pH 4.28
		181.10'	181.95'	1st Temp. 13.8	2nd Temp. 13.7	Stable Temp. 13.5	Ending Temp. 13.3
10-13-08	Time	Bubbler Start	Bubbler End	Comments:			
	1530	10.979'	10.182'				

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer	4.07	10-14-08/0858	MC
7-Buffer	6.95	10-14-08/0855	MC

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Cond. Standard Verification Check

STD. µS/cm	Reading	Date/Time	Initial
1413 µS/cm	1478	10-14-08/0856	MC

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	711			1st Cond. 4,500	2nd Cond. 4,520	Stable Cond. 4,490	Ending Cond. 4,400
	DUPLICATE			1st pH 4.31	2nd pH 4.33	Stable pH 4.34	Ending pH 4.65
10-13-08		181.95'	182.50'	1st Temp. 13.2	2nd Temp. 12.9	Stable Temp. 13.0	Ending Temp. 12.9
	Time	Bubbler Start	Bubbler End	Comments:			
	1610	10.182'	9.660'				

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	EPA-13			1st Cond. 2,700	2nd Cond. 5,370	Stable Cond. 5,480	Ending Cond. 5,610
				1st pH 5.86	2nd pH 5.90	Stable pH 5.92	Ending pH 5.92
10-13-08		166.69'	167.70'	1st Temp. 13.2	2nd Temp. 12.8	Stable Temp. 12.9	Ending Temp. 11.7
	Time	Bubbler Start	Bubbler End	Comments:			
	1650	6.285'	5.263'				

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	719			1st Cond. 4,250	2nd Cond. 4,360	Stable Cond. 4,410	Ending Cond. 4,610
				1st pH 3.82	2nd pH 3.74	Stable pH 3.68	Ending pH 3.87
10-13-08		164.88'	165.45'	1st Temp. 12.5	2nd Temp. 12.3	Stable Temp. 12.1	Ending Temp. 11.6
	Time	Bubbler Start	Bubbler End	Comments:			
	1735	2.180'	1.632'				

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	504-B			1st Cond. 5,190	2nd Cond. 5,220	Stable Cond. 5,220	Ending Cond. 5,220
				1st pH 3.50	2nd pH 3.49	Stable pH 3.47	Ending pH 3.47
10-13-08		166.60'	166.68'	1st Temp. 10.1	2nd Temp. 10.1	Stable Temp. 10.1	Ending Temp. 10.1
	Time	Bubbler Start	Bubbler End	Comments:			
	1810	0.322'	0.548'				

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	EPA-14			1st Cond. 5,870	2nd Cond. 6,060	Stable Cond. 6,120	Ending Cond. 6,040
				1st pH 4.22	2nd pH 4.22	Stable pH 4.22	Ending pH 4.20
10-14-08		118.10'	118.40'	1st Temp. 10.9	2nd Temp. 10.9	Stable Temp. 11.0	Ending Temp. 11.6
	Time	Bubbler Start	Bubbler End	Comments:			
	0930	4.556'	4.474'				

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	717			1st Cond. 5,030	2nd Cond. 5,130	Stable Cond. 5,140	Ending Cond. 5,400
				1st pH 5.49	2nd pH 5.51	Stable pH 5.52	Ending pH 4.89
10-14-08		127.81'	127.98'	1st Temp. 11.5	2nd Temp. 11.6	Stable Temp. 11.6	Ending Temp. 11.8
	Time	Bubbler Start	Bubbler End	Comments:			
	1010	3.739'	3.675'				

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer			
7-Buffer			

GROUND WATER MONITORING FIELD DATA SHEET

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Cond. Standard Verification Check

STD. µS/cm	Reading	Date/Time	Initial
1413 µS/cm			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	420	146.99'	146.61'	1st Cond. 3,310	2nd Cond. 3,410	Stable Cond. 3,450	Ending Cond. 3,430
10-14-08				1st pH 6.38	2nd pH 6.44	Stable pH 6.49	Ending pH 6.49
	Time	Bubbler Start	Bubbler End	1st Temp. 12.0	2nd Temp. 12.0	Stable Temp. 12.0	Ending Temp. 13.0
	1050	7.473'	6.969'	Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	NBL-2	156.58'	157.00'	1st Cond. 3,320	2nd Cond. 3,390	Stable Cond. 3,430	Ending Cond. 3,560
10-14-08				1st pH 6.12	2nd pH 6.72	Stable pH 6.70	Ending pH 6.54
	Time	Bubbler Start	Bubbler End	1st Temp. 12.2	2nd Temp. 12.3	Stable Temp. 11.8	Ending Temp. 12.9
	1135	7.032'	6.530'	Comments: Additional Zone-3 well sample for a full parameter lab analysis as requested by N.A. Water Systems.			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	TWQ-142	201.20'	201.95'	1st Cond. 1,683	2nd Cond. 1,703	Stable Cond. 1,726	Ending Cond. 1,764
10-14-08				1st pH 7.21	2nd pH 7.22	Stable pH 7.21	Ending pH 7.50
	Time	Bubbler Start	Bubbler End	1st Temp. 13.2	2nd Temp. 13.2	Stable Temp. 13.0	Ending Temp. 13.1
	1210	19.711'	19.080'	Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	NBL-1	182.00'	182.00'	1st Cond. 3,720	2nd Cond. 3,730	Stable Cond. 3,740	Ending Cond. 3,820
10-14-08				1st pH 6.76	2nd pH 6.77	Stable pH 6.77	Ending pH 6.31
	Time	Bubbler Start	Bubbler End	1st Temp. 13.8	2nd Temp. 13.8	Stable Temp. 13.6	Ending Temp. 14.3
	1255	1.829'	1.790'	Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	PB-4	178.78'	178.93'	1st Cond. 2,700	2nd Cond. 3,560	Stable Cond. 3,580	Ending Cond. 4,000
10-14-08				1st pH 6.33	2nd pH 6.29	Stable pH 6.23	Ending pH 5.85
	Time	Bubbler Start	Bubbler End	1st Temp. 14.5	2nd Temp. 14.5	Stable Temp. 14.3	Ending Temp. 14.4
	1425			Comments: Same comment as for well NBL-2.			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	PB-2	179.18'		1st Cond. 4,080	2nd Cond.	Stable Cond.	Ending Cond.
10-14-08				1st pH 5.74	2nd pH	Stable pH	Ending pH
	Time	Bubbler Start	Bubbler End	1st Temp. 15.3	2nd Temp.	Stable Temp.	Ending Temp.
	1530			Comments: Same comment as for well NBL-2 and this well is also a Zone 3 pumping/extraction well.			

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer	3.99	10-30-08/0930	MC
7-Buffer	6.96	10-30-08/0933	MC

GROUND WATER MONITORING FIELD DATA SHEET

4TH QUARTER 2008 SAMPLING

Cond. Standard Verification Check

STD. µS/cm	Reading	Date/Time	Initial
1413 µS/cm	1441	10-30-08/0934	MC

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st	Reading 2nd	Reading Stable	Reading Ending
10-14-08	RW-A	168.60'		1st Cond. 3,760	2nd Cond.	Stable Cond.	Ending Cond.
	Time	Bubbler Start	Bubbler End	1st pH 6.37	2nd pH	Stable pH	Ending pH
	1545			1st Temp. 14.5	2nd Temp.	Stable Temp.	Ending Temp.
				Comments: Same comment and status as for well PB-2.			
10-14-08	RW-11	160.14'		1st Cond. 3,720	2nd Cond.	Stable Cond.	Ending Cond.
	Time	Bubbler Start	Bubbler End	1st pH 5.74	2nd pH	Stable pH	Ending pH
	1605			1st Temp. 14.6	2nd Temp.	Stable Temp.	Ending Temp.
				Comments: Same comment and status as for well PB-2.			
10-14-08	FIELD BLANK			1st Cond. 83	2nd Cond.	Stable Cond.	Ending Cond.
	Time	Bubbler Start	Bubbler End	1st pH 7.74	2nd pH	Stable pH	Ending pH
	1715			1st Temp. 14.4	2nd Temp.	Stable Temp.	Ending Temp.
				Comments:			
10-30-08	PB-3	179.25'	179.35'	1st Cond. 3,670	2nd Cond. 3,840	Stable Cond. 4,020	Ending Cond. 4,040
	Time	Bubbler Start	Bubbler End	1st pH 5.99	2nd pH 5.99	Stable pH 5.99	Ending pH 5.98
	1105			1st Temp. 17.5	2nd Temp. 17.4	Stable Temp. 17.0	Ending Temp. 16.5
				Comments: Did not collect enough volume for a full parameter lab analysis on 10-14-08 but resampled today for the required volume after bladder pump is replaced and tubing is extended 8' down the well.			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st	Reading 2nd	Reading Stable	Reading Ending
				1st Cond.	2nd Cond.	Stable Cond.	Ending Cond.
				1st pH	2nd pH	Stable pH	Ending pH
	Time	Bubbler Start	Bubbler End	1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				Comments:			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading 1st	Reading 2nd	Reading Stable	Reading Ending
				1st Cond.	2nd Cond.	Stable Cond.	Ending Cond.
				1st pH	2nd pH	Stable pH	Ending pH
	Time	Bubbler Start	Bubbler End	1st Temp.	2nd Temp.	Stable Temp.	Ending Temp.
				Comments:			

APPENDIX B

QUARTERLY SAMPLING

SEMI-ANNUAL GROUND WATER MONITORING REPORT

JULY AND OCTOBER OF 2008

QA/QC CONTROLS

FIELD BLANKS

EPA-28 AND EPA-28 DUPLICATE FOR SW ALLUVIUM

EPA – 2 AND EPA – 2 DUPLICATE FOR ZONE – 1

711 AND 711 DUPLICATE FOR ZONE - 3

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LABORATORY ANALYTICAL REPORT

Client:	United Nuclear Corp	**Revised Date:**	11/03/08
Project:	Alluvium	**Report Date:**	09/04/08
Lab ID:	C08070627-017	**Collection Date:**	07/09/08 11:30
Client Sample ID:	Field Blank	**DateReceived:**	07/14/08
		Matrix:	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	25	mg/L		1		A2320 B	07/16/08 13:01 / ljl
Calcium	ND	mg/L		1		E200.7	08/29/08 16:29 / cp
Chloride	6	mg/L		1		A4500-Cl B	07/24/08 16:12 / sp
Magnesium	ND	mg/L		1		E200.7	08/29/08 16:29 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	07/23/08 12:07 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/25/08 12:56 / eli-b
Potassium	ND	mg/L		1		E200.7	08/29/08 16:29 / cp
Sodium	11	mg/L		1		E200.7	08/29/08 16:29 / cp
Sulfate	ND	mg/L		1		A4500-SO4 E	07/17/08 15:53 / sp
PHYSICAL PROPERTIES							
pH	8.77	s.u.		0.01		A4500-H B	07/15/08 12:51 / sp
Solids, Total Dissolved TDS @ 180 C	52	mg/L		10		A2540 C	07/15/08 14:47 / dd
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	07/29/08 00:43 / cp
Beryllium	ND	mg/L		0.01		E200.7	07/29/08 00:43 / cp
Cadmium	ND	mg/L		0.005		E200.7	07/29/08 00:43 / cp
Cobalt	ND	mg/L		0.01		E200.7	07/29/08 00:43 / cp
Lead	ND	mg/L		0.05		E200.7	07/29/08 00:43 / cp
Manganese	ND	mg/L		0.01		E200.7	07/29/08 00:43 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/29/08 00:43 / cp
Nickel	ND	mg/L		0.05		E200.7	07/29/08 00:43 / cp
Uranium	ND	mg/L		0.0003		E200.8	07/30/08 00:21 / ts
Vanadium	ND	mg/L		0.1		E200.7	07/29/08 00:43 / cp
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	07/31/08 16:52 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/06/08 14:48 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	0.7	pCi/L	U			E900.1	08/02/08 18:12 / crw
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	08/02/08 18:12 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	08/02/08 18:12 / crw
Lead 210	1.0	pCi/L	U			E909.0M	07/25/08 10:35 / dm
Lead 210 precision (±)	4.6	pCi/L				E909.0M	07/25/08 10:35 / dm
Lead 210 MDC	7.8	pCi/L				E909.0M	07/25/08 10:35 / dm
Radium 226	0.17	pCi/L	U			E903.0	08/12/08 12:59 / trs
Radium 226 precision (±)	0.13	pCi/L				E903.0	08/12/08 12:59 / trs
Radium 226 MDC	0.18	pCi/L				E903.0	08/12/08 12:59 / trs
Radium 228	-0.08	pCi/L	U			RA-05	08/07/08 13:02 / plj
Radium 228 precision (±)	0.74	pCi/L				RA-05	08/07/08 13:02 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	08/07/08 13:02 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08070627-017
Client Sample ID: Field Blank

Revised Date: 11/03/08
Report Date: 09/04/08
Collection Date: 07/09/08 11:30
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.2	pCi/L		0.2		E907.0	08/10/08 12:36 / dmf
Thorium 230 precision (±)	0.5	pCi/L				E907.0	08/10/08 12:36 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-5.72	%				Calculation	09/02/08 14:42 / sdw
Anions	0.579	meq/L				Calculation	09/02/08 14:42 / sdw
Cations	0.517	meq/L				Calculation	09/02/08 14:42 / sdw
Solids, Total Dissolved Calculated	37.0	mg/L				Calculation	09/02/08 14:42 / sdw
TDS Balance (0.80 - 1.20)	1.41					Calculation	09/02/08 14:42 / sdw
- The balance is not appropriate for near blank results.							
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	3.70	ug/L		0.50		E624	07/16/08 03:48 / jlr
Bromoform	3.30	ug/L		0.50		E624	07/16/08 03:48 / jlr
Chlorodibromomethane	4.88	ug/L		0.50		E624	07/16/08 03:48 / jlr
Chloroform	7.04	ug/L		0.50		E624	07/16/08 03:48 / jlr
Trihalomethanes, Total	18.9	ug/L		0.50		E624	07/16/08 03:48 / jlr
Surr: 1,2-Dichlorobenzene-d4	110	%REC		80-120		E624	07/16/08 03:48 / jlr
Surr: Dibromofluoromethane	121	%REC	S	80-120		E624	07/16/08 03:48 / jlr
Surr: p-Bromofluorobenzene	105	%REC		80-120		E624	07/16/08 03:48 / jlr
Surr: Toluene-d8	97.0	%REC		80-120		E624	07/16/08 03:48 / jlr

Report Definitions:
RL - Analyte reporting limit.
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MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08070869-007
Client Sample ID: Field Blank

Report Date: 09/02/08
Collection Date: 07/15/08 17:30
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	43	mg/L		1		A2320 B	07/21/08 23:48 / ljl
Calcium	ND	mg/L		1		E200.7	07/28/08 19:07 / cp
Chloride	ND	mg/L		1		A4500-Cl B	07/25/08 15:23 / jal
Magnesium	ND	mg/L		1		E200.7	07/28/08 19:07 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	07/23/08 13:05 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/28/08 15:34 / eli-b
Potassium	ND	mg/L		1		E200.7	07/28/08 19:07 / cp
Sodium	10	mg/L		1		E200.7	07/28/08 19:07 / cp
Sulfate	4	mg/L		1		A4500-SO4 E	07/24/08 12:19 / jal
PHYSICAL PROPERTIES							
pH	7.56	s.u.		0.01		A4500-H B	07/21/08 11:07 / jh
Solids, Total Dissolved TDS @ 180 C	60	mg/L		10		A2540 C	07/21/08 16:28 / dd
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	07/25/08 02:43 / cp
Beryllium	ND	mg/L		0.01		E200.7	07/25/08 02:43 / cp
Cadmium	ND	mg/L		0.005		E200.7	07/25/08 02:43 / cp
Cobalt	ND	mg/L		0.01		E200.7	07/25/08 02:43 / cp
Lead	ND	mg/L		0.05		E200.7	07/25/08 02:43 / cp
Manganese	ND	mg/L		0.01		E200.7	07/25/08 02:43 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/25/08 02:43 / cp
Nickel	ND	mg/L		0.05		E200.7	07/25/08 02:43 / cp
Uranium	ND	mg/L		0.0003		E200.8	08/02/08 00:20 / sml
Vanadium	ND	mg/L		0.1		E200.7	07/25/08 02:43 / cp
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	08/06/08 11:41 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/07/08 09:55 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	-0.2	pCi/L	U			E900.1	07/31/08 16:19 / crw
Gross Alpha minus Rn & U Precision (±)	0.4	pCi/L				E900.1	07/31/08 16:19 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	07/31/08 16:19 / crw
Lead 210	-3	pCi/L	U			E909.0M	07/25/08 11:45 / dm
Lead 210 precision (±)	5.5	pCi/L				E909.0M	07/25/08 11:45 / dm
Lead 210 MDC	9.2	pCi/L				E909.0M	07/25/08 11:45 / dm
Radium 226	0.28	pCi/L				E903.0	08/26/08 08:40 / trs
Radium 226 precision (±)	0.12	pCi/L				E903.0	08/26/08 08:40 / trs
Radium 226 MDC	0.12	pCi/L				E903.0	08/26/08 08:40 / trs
Radium 228	0.68	pCi/L	U			RA-05	08/19/08 11:01 / plj

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MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08070869-007
Client Sample ID: Field Blank

Report Date: 09/02/08
Collection Date: 07/15/08 17:30
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	0.65	pCi/L				RA-05	08/19/08 11:01 / plj
Radium 228 MDC	1.0	pCi/L				RA-05	08/19/08 11:01 / plj
Thorium 230	0.0	pCi/L	U	0.2		E907.0	08/18/08 21:40 / dmf
Thorium 230 precision (±)	0.4	pCi/L				E907.0	08/18/08 21:40 / dmf
- See Case Narrative regarding Pb210 analysis.							
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	1.76	ug/L		0.50		E624	07/22/08 02:33 / jlr
Bromoform	2.08	ug/L		0.50		E624	07/22/08 02:33 / jlr
Chlorodibromomethane	2.46	ug/L		0.50		E624	07/22/08 02:33 / jlr
Chloroform	1.84	ug/L		0.50		E624	07/22/08 02:33 / jlr
Trihalomethanes, Total	8.13	ug/L		0.50		E624	07/22/08 02:33 / jlr
Surr: 1,2-Dichlorobenzene-d4	100	%REC		80-120		E624	07/22/08 02:33 / jlr
Surr: Dibromofluoromethane	92.0	%REC		80-120		E624	07/22/08 02:33 / jlr
Surr: p-Bromofluorobenzene	89.0	%REC		80-120		E624	07/22/08 02:33 / jlr
Surr: Toluene-d8	93.0	%REC		80-120		E624	07/22/08 02:33 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08100485-003
Client Sample ID: Field Blank

Report Date: 11/14/08
Collection Date: 10/08/08 11:10
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	27	mg/L		1		A2320 B	10/13/08 17:24 / ljl
Calcium	ND	mg/L		1		E200.7	10/28/08 21:43 / cp
Chloride	5	mg/L		1		A4500-Cl B	10/14/08 09:16 / sp
Magnesium	ND	mg/L		1		E200.7	10/28/08 21:43 / cp
Nitrogen, Ammonia as N	0.1	mg/L		0.1		E350.1	10/16/08 16:01 / eli-b
Nitrogen, Nitrate+Nitrite as N	0.7	mg/L		0.1		E353.2	10/15/08 14:03 / eli-b
Potassium	ND	mg/L		1		E200.7	10/28/08 21:43 / cp
Sodium	12	mg/L		1		E200.7	10/28/08 21:43 / cp
Sulfate	5	mg/L		1		A4500-SO4 E	10/16/08 14:40 / jal
PHYSICAL PROPERTIES							
pH	7.03	s.u.		0.01		A4500-H B	10/13/08 13:48 / dd
Solids, Total Dissolved TDS @ 180 C	55	mg/L		10		A2540 C	10/14/08 08:32 / jah
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	10/23/08 03:35 / sml
Beryllium	ND	mg/L		0.01		E200.8	10/23/08 03:35 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/23/08 03:35 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/23/08 03:35 / sml
Lead	ND	mg/L		0.05		E200.8	10/23/08 03:35 / sml
Manganese	ND	mg/L		0.01		E200.8	10/23/08 03:35 / sml
Molybdenum	ND	mg/L		0.1		E200.8	10/23/08 03:35 / sml
Nickel	ND	mg/L		0.05		E200.8	10/23/08 03:35 / sml
Uranium	ND	mg/L		0.0003		E200.8	10/23/08 03:35 / sml
Vanadium	ND	mg/L		0.1		E200.8	10/23/08 03:35 / sml
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/21/08 21:09 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/16/08 10:08 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	0.3	pCi/L	U			E900.1	10/30/08 18:30 / cgr
Gross Alpha minus Rn & U Precision (±)	0.3	pCi/L				E900.1	10/30/08 18:30 / cgr
Gross Alpha minus Rn & U MDC	0.5	pCi/L				E900.1	10/30/08 18:30 / cgr
Lead 210	0.6	pCi/L	U			E909.0M	10/27/08 10:08 / dm
Lead 210 precision (±)	2.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Lead 210 MDC	4.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Radium 226	-0.2	pCi/L	U			E903.0	11/10/08 15:05 / trs
Radium 226 precision (±)	0.09	pCi/L				E903.0	11/10/08 15:05 / trs
Radium 226 MDC	0.22	pCi/L				E903.0	11/10/08 15:05 / trs
Radium 228	0.31	pCi/L	U			RA-05	11/04/08 14:13 / plj
Radium 228 precision (±)	0.79	pCi/L				RA-05	11/04/08 14:13 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 14:13 / plj

Report Definitions:
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QCL - Quality control limit.
MDC - Minimum detectable concentration
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ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08100485-003
Client Sample ID: Field Blank

Report Date: 11/14/08
Collection Date: 10/08/08 11:10
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.1	pCi/L	U	0.2		E907.0	10/30/08 08:06 / dmf
Thorium 230 precision (±)	0.2	pCi/L				E907.0	10/30/08 08:06 / dmf
DATA QUALITY							
A/C Balance (± 5)	-11.7	%				Calculation	11/03/08 18:03 / sdw
Anions	0.725	meq/L				Calculation	11/03/08 18:03 / sdw
Cations	0.573	meq/L				Calculation	11/03/08 18:03 / sdw
Solids, Total Dissolved Calculated	132	mg/L				Calculation	11/03/08 18:03 / sdw
TDS Balance (0.80 - 1.20)	0.420					Calculation	11/03/08 18:03 / sdw
- The ion balance is not appropriate for near blank results.							
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	0.55	ug/L		0.50		E624	10/15/08 10:56 / wen
Bromoform	1.52	ug/L		0.50		E624	10/15/08 10:56 / wen
Chlorodibromomethane	1.45	ug/L		0.50		E624	10/15/08 10:56 / wen
Chloroform	0.67	ug/L		0.50		E624	10/15/08 10:56 / wen
Trihalomethanes, Total	4.19	ug/L		0.50		E624	10/15/08 10:56 / wen
Surr: 1,2-Dichlorobenzene-d4	102	%REC		80-120		E624	10/15/08 10:56 / wen
Surr: Dibromofluoromethane	84.0	%REC		80-120		E624	10/15/08 10:56 / wen
Surr: p-Bromofluorobenzene	104	%REC		80-120		E624	10/15/08 10:56 / wen
Surr: Toluene-d8	98.0	%REC		80-120		E624	10/15/08 10:56 / wen

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Not Indicated
Lab ID: C08100852-007
Client Sample ID: Field Blank

Report Date: 11/19/08
Collection Date: 10/14/08 17:15
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	29	mg/L		1		A2320 B	10/20/08 15:23 / ljl
Calcium	ND	mg/L		1		E200.7	11/04/08 16:05 / cp
Chloride	7	mg/L		1		A4500-Cl B	10/27/08 13:01 / jal
Magnesium	ND	mg/L		1		E200.7	11/04/08 16:05 / cp
Nitrogen, Ammonia as N	ND	mg/L	D	0.4		E350.1	10/27/08 10:46 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/22/08 11:51 / eli-b
Potassium	ND	mg/L		1		E200.7	11/04/08 16:05 / cp
Sodium	16	mg/L		1		E200.7	11/04/08 16:05 / cp
Sulfate	4	mg/L		1		A4500-SO4 E	10/20/08 11:29 / jal
PHYSICAL PROPERTIES							
pH	7.58	s.u.		0.01		A4500-H B	10/20/08 10:48 / dd
Solids, Total Dissolved TDS @ 180 C	35	mg/L		10		A2540 C	10/21/08 09:15 / jah
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	11/04/08 18:53 / ts
Beryllium	ND	mg/L		0.01		E200.8	11/04/08 18:53 / ts
Cadmium	ND	mg/L		0.005		E200.8	11/04/08 18:53 / ts
Cobalt	ND	mg/L		0.01		E200.8	11/04/08 18:53 / ts
Lead	ND	mg/L		0.05		E200.8	11/04/08 18:53 / ts
Manganese	ND	mg/L		0.01		E200.8	11/04/08 18:53 / ts
Molybdenum	ND	mg/L		0.1		E200.8	11/04/08 18:53 / ts
Nickel	ND	mg/L		0.05		E200.8	11/04/08 18:53 / ts
Uranium	ND	mg/L		0.0003		E200.8	11/04/08 18:53 / ts
Vanadium	ND	mg/L		0.1		E200.8	11/04/08 18:53 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/24/08 15:02 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/29/08 16:52 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	0.9	pCi/L				E900.1	10/30/08 16:48 / cgr
Gross Alpha minus Rn & U Precision (±)	0.4	pCi/L				E900.1	10/30/08 16:48 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 16:48 / cgr
Lead 210	0.0	pCi/L	U			E909.0M	10/28/08 10:11 / dm
Lead 210 precision (±)	3.0	pCi/L				E909.0M	10/28/08 10:11 / dm
Lead 210 MDC	5.1	pCi/L				E909.0M	10/28/08 10:11 / dm
Radium 226	-0.09	pCi/L	U			E903.0	11/10/08 15:06 / trs
Radium 226 precision (±)	0.13	pCi/L				E903.0	11/10/08 15:06 / trs
Radium 226 MDC	0.25	pCi/L				E903.0	11/10/08 15:06 / trs
Radium 228	-0.2	pCi/L	U			RA-05	11/04/08 12:09 / plj
Radium 228 precision (±)	0.71	pCi/L				RA-05	11/04/08 12:09 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	11/04/08 12:09 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Not Indicated
Lab ID: C08100852-007
Client Sample ID: Field Blank

Report Date: 11/19/08
Collection Date: 10/14/08 17:15
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.0	pCi/L	U	0.2		E907.0	10/31/08 07:44 / dmf
Thorium 230 precision (±)	0.3	pCi/L				E907.0	10/31/08 07:44 / dmf
DATA QUALITY							
A/C Balance (± 5)	-0.463	%				Calculation	11/07/08 16:48 / sdw
Anions	0.758	meq/L				Calculation	11/07/08 16:48 / sdw
Cations	0.751	meq/L				Calculation	11/07/08 16:48 / sdw
Solids, Total Dissolved Calculated	58.0	mg/L				Calculation	11/07/08 16:48 / sdw
TDS Balance (0.80 - 1.20)	0.600					Calculation	11/07/08 16:48 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	1.28	ug/L		0.50		E624	10/25/08 22:38 / jlr
Bromoform	2.30	ug/L		0.50		E624	10/25/08 22:38 / jlr
Chlorodibromomethane	2.48	ug/L		0.50		E624	10/25/08 22:38 / jlr
Chloroform	1.45	ug/L		0.50		E624	10/25/08 22:38 / jlr
Trihalomethanes, Total	7.50	ug/L		0.50		E624	10/25/08 22:38 / jlr
Surr: 1,2-Dichlorobenzene-d4	110	%REC		80-120		E624	10/25/08 22:38 / jlr
Surr: Dibromofluoromethane	109	%REC		80-120		E624	10/25/08 22:38 / jlr
Surr: p-Bromofluorobenzene	93.0	%REC		80-120		E624	10/25/08 22:38 / jlr
Surr: Toluene-d8	100	%REC		80-120		E624	10/25/08 22:38 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Alluvium Monitor Wells					
Well ID:		EPA-28	EPA-28	EPA-28	EPA-28
Collection Date:		10/7/2008	7/8/2008	4/8/2008	1/15/2008
Receive Date:		10/10/2008	7/14/2008	4/11/2008	1/18/2008
Report Date:		11/20/2008	9/4/2008	6/10/2008	4/1/2008
Analyte	Units	C0810047.1-012	C08070627-012	C08040580-012	C08010860-011
Bicarbonate as HCO3	mg/L	785	715	722	752
Calcium	mg/L	546	542	578	534
Chloride	mg/L	110	121	114	148
Magnesium	mg/L	478	492	546	485
Nitrogen, Ammonia as N	mg/L	0.2	ND(0.05)	ND(0.1)	ND(0.05)
Nitrogen, Nitrate+Nitrite as N	mg/L	51.8	32.9	48.5	34.6
Potassium	mg/L	11	11	13.0	13.6
Sodium	mg/L	204	203	244	215
Sulfate	mg/L	3060	2830	2920	2670
pH	s.u.	7.05	7.30	7.08	6.93
Solids, Total Dissolved TDS @ 180 C	mg/L	4990	4870	4930	5190
Aluminum	mg/L	0.2	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	0.68	0.62	0.60	0.58
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	0.0476	0.0402	0.0445	0.0429
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	ND(0.001)	0.02
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	0.6	0.4	1.5	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.5	0.6	0.4	
Gross Alpha minus Rn & U MDC	pCi/L	0.7	0.8		
Lead 210	pCi/L	-0.6	0.1	-4.5	ND(1.0)
Lead 210 precision (±)	pCi/L	2.9	4.6	2	
Lead 210 MDC	pCi/L	4.9	7.8		
Radium 226	pCi/L	0.20	0.58	0.1	0.6
Radium 226 precision (±)	pCi/L	0.14	0.18	0.1	0.3
Radium 226 MDC	pCi/L	0.19	0.16	0.2	
Radium 228	pCi/L	1.0	1.2	0.7	ND(1.0)
Radium 228 precision (±)	pCi/L	0.83	0.80	0.8	
Radium 228 MDC	pCi/L	1.3	1.3	1.3	
Thorium 230	pCi/L	-0.5	0.4	-0.1	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.7	0.7	0.2	
A/C Balance (± 5)	%	-4.80	0.221	3.30	1.18
Anions	meq/L	83.4	76.3	79.3	74.5
Cations	meq/L	75.8	76.7	84.8	76.3
Solids, Total Dissolved Calculated	mg/L	5150	4700	5000	4590
TDS Balance (0.80 - 1.20)		0.970	1.04	0.990	1.13
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

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

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Alluvium Monitor Wells					
Well ID:		EPA-28 Duplicate	EPA-28 Duplicate	EPA-28 Duplicate	EPA-28 Duplicate
Collection Date:		10/7/2008	7/8/2008	4/8/2008	1/15/2008
Receive Date:		10/10/2008	7/14/2008	4/11/2008	1/18/2008
Report Date:		11/20/2008	9/4/2008	6/10/2008	4/1/2008
Analyte	Units	C08100471-013	C08070627-013	C08040580-013	C08010860-012
Bicarbonate as HCO3	mg/L	764	653	632	688
Calcium	mg/L	541	534	566	517
Chloride	mg/L	110	122	114	145
Magnesium	mg/L	478	478	535	470
Nitrogen, Ammonia as N	mg/L	ND(0.1)	ND(0.05)	ND(0.1)	ND(0.05)
Nitrogen, Nitrate+Nitrite as N	mg/L	45.2	28.9	43.2	28.1
Potassium	mg/L	11	11	12.2	12.9
Sodium	mg/L	207	214	248	219
Sulfate	mg/L	3060	2920	3000	2680
pH	s.u.	7.07	6.94	7.00	6.61
Solids, Total Dissolved TDS @ 180 C	mg/L	4970	4790	4890	5140
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	0.63	0.52	0.52	0.50
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	0.0433	0.0351	0.0398	0.0364
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.003)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	1.5	0.3	1.3	1.2
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.5	0.5	0.4	0.6
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.8		
Lead 210	pCi/L	0.7	1.3	0.0	ND(1.0)
Lead 210 precision (±)	pCi/L	2.9	4.7	1	
Lead 210 MDC	pCi/L	4.9	7.8		
Radium 226	pCi/L	0.17	0.68	0.2	ND(0.2)
Radium 226 precision (±)	pCi/L	0.12	0.18	0.1	
Radium 226 MDC	pCi/L	0.17	0.16	0.2	
Radium 228	pCi/L	0.89	1.3	0.5	ND(1.0)
Radium 228 precision (±)	pCi/L	0.83	0.80	0.8	
Radium 228 MDC	pCi/L	1.3	1.2	1.3	
Thorium 230	pCi/L	0.6	0.0	-0.1	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.9	0.6	0.7	
A/C Balance (± 5)	%	-4.41	-0.950	2.63	0.855
Anions	meq/L	82.6	77.0	79.1	73.1
Cations	meq/L	75.6	75.6	83.4	74.4
Solids, Total Dissolved Calculated	mg/L	5100	4740	4990	4510
TDS Balance (0.80 - 1.20)		0.970	1.01	0.980	1.14
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08070627-013
Client Sample ID: EPA-28 Duplicate

Report Date: 09/04/08
Collection Date: 07/08/08 11:00
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	653	mg/L		1		A2320 B	07/16/08 12:09 / ljl
Calcium	534	mg/L		1		E200.7	08/29/08 16:01 / cp
Chloride	122	mg/L		1		A4500-Cl B	07/24/08 12:53 / sp
Magnesium	478	mg/L		1		E200.7	08/29/08 16:01 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	07/23/08 12:03 / eli-b
Nitrogen, Nitrate+Nitrite as N	28.9	mg/L		0.1		E353.2	07/25/08 09:37 / eli-b
Potassium	11	mg/L		1		E200.7	08/29/08 16:01 / cp
Sodium	214	mg/L	D	8		E200.7	08/29/08 16:01 / cp
Sulfate	2920	mg/L	D	30		A4500-SO4 E	07/17/08 15:13 / sp
PHYSICAL PROPERTIES							
pH	6.94	s.u.		0.01		A4500-H B	07/15/08 12:44 / sp
Solids, Total Dissolved TDS @ 180 C	4790	mg/L		10		A2540 C	07/15/08 14:46 / dd
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	07/29/08 00:15 / cp
Beryllium	ND	mg/L		0.01		E200.8	07/29/08 23:54 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/29/08 23:54 / ts
Cobalt	ND	mg/L		0.01		E200.8	07/29/08 23:54 / ts
Lead	ND	mg/L		0.05		E200.8	07/29/08 23:54 / ts
Manganese	0.52	mg/L		0.01		E200.7	07/29/08 00:15 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/29/08 00:15 / cp
Nickel	ND	mg/L		0.05		E200.8	07/29/08 23:54 / ts
Uranium	0.0351	mg/L		0.0003		E200.8	07/29/08 23:54 / ts
Vanadium	ND	mg/L		0.1		E200.8	07/29/08 23:54 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	07/31/08 16:00 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/06/08 14:36 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	0.3	pCi/L	U			E900.1	08/02/08 14:55 / crw
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	08/02/08 14:55 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	08/02/08 14:55 / crw
Lead 210	1.3	pCi/L	U			E909.0M	07/25/08 10:35 / dm
Lead 210 precision (±)	4.7	pCi/L				E909.0M	07/25/08 10:35 / dm
Lead 210 MDC	7.8	pCi/L				E909.0M	07/25/08 10:35 / dm
Radium 226	0.68	pCi/L				E903.0	08/12/08 12:59 / trs
Radium 226 precision (±)	0.18	pCi/L				E903.0	08/12/08 12:59 / trs
Radium 226 MDC	0.16	pCi/L				E903.0	08/12/08 12:59 / trs
Radium 228	1.3	pCi/L				RA-05	08/07/08 13:01 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08070627-013
Client Sample ID: EPA-28 Duplicate

Report Date: 09/04/08
Collection Date: 07/08/08 11:00
DateReceived: 07/14/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	0.80	pCi/L				RA-05	08/07/08 13:01 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	08/07/08 13:01 / plj
Thorium 230	0.0	pCi/L	U	0.2		E907.0	08/10/08 12:36 / dmf
Thorium 230 precision (±)	0.6	pCi/L				E907.0	08/10/08 12:36 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-0.950	%				Calculation	09/02/08 14:40 / sdw
Anions	77.0	meq/L				Calculation	09/02/08 14:40 / sdw
Cations	75.6	meq/L				Calculation	09/02/08 14:40 / sdw
Solids, Total Dissolved Calculated	4740	mg/L				Calculation	09/02/08 14:40 / sdw
TDS Balance (0.80 - 1.20)	1.01					Calculation	09/02/08 14:40 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/16/08 01:51 / jlr
Bromoform	ND	ug/L		0.50		E624	07/16/08 01:51 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/16/08 01:51 / jlr
Chloroform	ND	ug/L		0.50		E624	07/16/08 01:51 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	07/16/08 01:51 / jlr
Surr: 1,2-Dichlorobenzene-d4	112	%REC		80-120		E624	07/16/08 01:51 / jlr
Surr: Dibromofluoromethane	132	%REC	S	80-120		E624	07/16/08 01:51 / jlr
Surr: p-Bromofluorobenzene	104	%REC		80-120		E624	07/16/08 01:51 / jlr
Surr: Toluene-d8	96.0	%REC		80-120		E624	07/16/08 01:51 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-013
Client Sample ID: EPA-28 Duplicate

Report Date: 11/20/08
Collection Date: 10/07/08 10:55
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	764	mg/L		1		A2320 B	10/13/08 16:20 / ljl
Calcium	541	mg/L		1		E200.7	10/28/08 20:58 / cp
Chloride	110	mg/L		1		A4500-Cl B	10/14/08 08:46 / sp
Magnesium	478	mg/L		1		E200.7	10/28/08 20:58 / cp
Nitrogen, Ammonia as N	ND	mg/L	D	0.1		E350.1	10/16/08 15:50 / eli-b
Nitrogen, Nitrate+Nitrite as N	45.2	mg/L		0.1		E353.2	10/15/08 12:28 / eli-b
Potassium	11	mg/L		1		E200.7	10/28/08 20:58 / cp
Sodium	207	mg/L	D	8		E200.7	10/28/08 20:58 / cp
Sulfate	3060	mg/L	D	60		A4500-SO4 E	10/16/08 14:24 / jal
PHYSICAL PROPERTIES							
pH	7.07	s.u.		0.01		A4500-H B	10/13/08 12:09 / dd
Solids, Total Dissolved TDS @ 180 C	4970	mg/L		10		A2540 C	10/13/08 08:56 / jah
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	10/25/08 18:39 / sml
Beryllium	ND	mg/L		0.01		E200.8	10/24/08 02:31 / sml
Cadmium	ND	mg/L		0.005		E200.8	10/24/08 02:31 / sml
Cobalt	ND	mg/L		0.01		E200.8	10/24/08 02:31 / sml
Lead	ND	mg/L		0.05		E200.8	10/24/08 02:31 / sml
Manganese	0.63	mg/L		0.01		E200.8	10/25/08 15:53 / sml
Molybdenum	ND	mg/L		0.1		E200.8	10/24/08 02:31 / sml
Nickel	ND	mg/L		0.05		E200.8	10/24/08 02:31 / sml
Uranium	0.0433	mg/L		0.0003		E200.8	10/24/08 02:31 / sml
Vanadium	ND	mg/L		0.1		E200.8	10/24/08 02:31 / sml
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/21/08 19:55 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/17/08 09:08 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.5	pCi/L				E900.1	10/30/08 11:23 / cgr
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	10/30/08 11:23 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 11:23 / cgr
Lead 210	0.7	pCi/L	U			E909.0M	10/27/08 10:08 / dm
Lead 210 precision (±)	2.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Lead 210 MDC	4.9	pCi/L				E909.0M	10/27/08 10:08 / dm
Radium 226	0.17	pCi/L	U			E903.0	11/10/08 11:34 / trs
Radium 226 precision (±)	0.12	pCi/L				E903.0	11/10/08 11:34 / trs
Radium 226 MDC	0.17	pCi/L				E903.0	11/10/08 11:34 / trs
Radium 228	0.89	pCi/L	U			RA-05	11/04/08 10:04 / plj
Radium 228 precision (±)	0.83	pCi/L				RA-05	11/04/08 10:04 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 10:04 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08100471-013
Client Sample ID: EPA-28 Duplicate

Report Date: 11/20/08
Collection Date: 10/07/08 10:55
DateReceived: 10/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.6	pCi/L		0.2		E907.0	10/29/08 12:06 / dmf
Thorium 230 precision (±)	0.9	pCi/L				E907.0	10/29/08 12:06 / dmf
DATA QUALITY							
A/C Balance (± 5)	-4.41	%				Calculation	11/01/08 10:34 / sdw
Anions	82.6	meq/L				Calculation	11/01/08 10:34 / sdw
Cations	75.6	meq/L				Calculation	11/01/08 10:34 / sdw
Solids, Total Dissolved Calculated	5100	mg/L				Calculation	11/01/08 10:34 / sdw
TDS Balance (0.80 - 1.20)	0.970					Calculation	11/01/08 10:34 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/15/08 06:23 / wen
Bromoform	ND	ug/L		0.50		E624	10/15/08 06:23 / wen
Chlorodibromomethane	ND	ug/L		0.50		E624	10/15/08 06:23 / wen
Chloroform	ND	ug/L		0.50		E624	10/15/08 06:23 / wen
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/15/08 06:23 / wen
Surr: 1,2-Dichlorobenzene-d4	107	%REC		80-120		E624	10/15/08 06:23 / wen
Surr: Dibromofluoromethane	112	%REC		80-120		E624	10/15/08 06:23 / wen
Surr: p-Bromofluorobenzene	105	%REC		80-120		E624	10/15/08 06:23 / wen
Surr: Toluene-d8	95.0	%REC		80-120		E624	10/15/08 06:23 / wen

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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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:		10/13/2008	7/14/2008	4/14/2008	1/21/2008
Receive Date:		10/17/2008	7/18/2008	4/18/2008	1/25/2008
Report Date:		11/19/2008	9/3/2008	6/9/2008	4/3/2008
Analyte	Units	C08100849-005	C08070869-004	C08040890-002	C08011079-004
Bicarbonate as HCO3	mg/L	279	305	335	291
Calcium	mg/L	364	352	369	333
Chloride	mg/L	18	18	18	31
Magnesium	mg/L	165	157	153	145
Nitrogen, Ammonia as N	mg/L	0.3	0.29	0.36	0.37
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	6	6	6.1	6.9
Sodium	mg/L	195	192	198	192
Sulfate	mg/L	1790	1750	1550	1480
pH	s.u.	6.84	6.92	7.16	6.99
Solids, Total Dissolved TDS @ 180 C	mg/L	2780	2550	2520	2580
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	1.55	1.37	1.28	1.21
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	0.0023	0.0016	0.0013	0.0017
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.001	ND(0.003)	0.002	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	2.5	1.2	2.4	1.6
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.6	0.6	0.5	0.7
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.8		
Lead 210	pCi/L	-0.7	1.9	-3.1	ND(1.0)
Lead 210 precision (±)	pCi/L	3.0	4.5	2.1	
Lead 210 MDC	pCi/L	5.1	7.4		
Radium 226	pCi/L	0.86	1.5	1.1	1.6
Radium 226 precision (±)	pCi/L	0.22	0.22	0.2	0.5
Radium 226 MDC	pCi/L	0.22	0.1	0.2	
Radium 228	pCi/L	1.7	3.1	2.7	ND(1.0)
Radium 228 precision (±)	pCi/L	0.85	0.75	0.7	
Radium 228 MDC	pCi/L	1.3	1.0	1.0	
Thorium 230	pCi/L	0.2	-0.1	0.7	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.8	0.2	0.9	
A/C Balance (± 5)	%	-2.46	-3.76		0.863
Anions	meq/L	42.4	42.0		36.6
Cations	meq/L	40.3	39.0		37.2
Solids, Total Dissolved Calculated	mg/L	2680	2640		2340
TDS Balance (0.80 - 1.20)		1.04	0.970		1.10
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

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

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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:		10/13/2008	7/14/2008	4/14/2008	1/21/2008
Receive Date:		10/17/2008	7/18/2008	4/18/2008	1/25/2008
Report Date:		11/19/2008	9/3/2008	6/9/2008	4/3/2008
Analyte	Units	C08100849-006	C08070869-005	C08040890-003	C08011079-005
Bicarbonate as HCO3	mg/L	320	333	329	346
Calcium	mg/L	354	356	358	327
Chloride	mg/L	18	19	18	26
Magnesium	mg/L	161	160	157	146
Nitrogen, Ammonia as N	mg/L	0.3	0.33	0.34	0.35
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	6	6	6.1	6.9
Sodium	mg/L	194	196	199	187
Sulfate	mg/L	1720	1730	1590	1490
pH	s.u.	6.87	6.89	6.94	6.88
Solids, Total Dissolved TDS @ 180 C	mg/L	2710	2610	2550	2520
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	1.44	1.49	1.26	1.23
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	0.0019	0.0017	0.0013	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(0.003)	0.001	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	0.001
Gross Alpha minus Rn & U	pCi/L	2.7	1.6	2.6	2.0
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.6	0.7	0.5	1.6
Gross Alpha minus Rn & U MDC	pCi/L	0.4	0.8		
Lead 210	pCi/L	0.5	3.4	-0.1	ND(1.0)
Lead 210 precision (±)	pCi/L	3.1	4.5	1.8	
Lead 210 MDC	pCi/L	5.1	7.4		
Radium 226	pCi/L	0.96	1.4	1.3	0.5
Radium 226 precision (±)	pCi/L	0.24	0.22	0.2	0.4
Radium 226 MDC	pCi/L	0.23	0.10	0.2	
Radium 228	pCi/L	2.2	3.2	3.0	ND(1.0)
Radium 228 precision (±)	pCi/L	0.86	0.75	0.7	
Radium 228 MDC	pCi/L	1.3	1.0	1.0	
Thorium 230	pCi/L	0.5	0.0	0.7	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.8	0.2	0.9	
A/C Balance (± 5)	%	-2.54	-2.73		-0.799
Anions	meq/L	41.6	41.9		37.3
Cations	meq/L	39.5	39.7		36.7
Solids, Total Dissolved Calculated	mg/L	2610	2640		2350
TDS Balance (0.80 - 1.20)		1.04	0.990		1.07
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08070869-005
Client Sample ID: EPA-2 Duplicate

Report Date: 09/02/08
Collection Date: 07/14/08 12:05
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	333	mg/L		1		A2320 B	07/21/08 23:20 / ljl
Calcium	356	mg/L		1		E200.7	07/28/08 18:59 / cp
Chloride	19	mg/L		1		A4500-Cl B	07/25/08 15:10 / jal
Magnesium	160	mg/L		1		E200.7	07/28/08 18:59 / cp
Nitrogen, Ammonia as N	0.33	mg/L		0.05		E350.1	07/23/08 13:03 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/28/08 15:42 / eli-b
Potassium	6	mg/L		1		E200.7	07/28/08 18:59 / cp
Sodium	196	mg/L	D	4		E200.7	07/28/08 18:59 / cp
Sulfate	1730	mg/L	D	60		A4500-SO4 E	07/24/08 12:07 / jal
PHYSICAL PROPERTIES							
pH	6.89	s.u.		0.01		A4500-H B	07/21/08 11:03 / jh
Solids, Total Dissolved TDS @ 180 C	2610	mg/L		10		A2540 C	07/21/08 09:01 / dd
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	07/25/08 02:34 / cp
Beryllium	ND	mg/L		0.01		E200.8	08/02/08 00:07 / sml
Cadmium	ND	mg/L		0.005		E200.8	08/02/08 00:07 / sml
Cobalt	ND	mg/L		0.01		E200.8	08/02/08 00:07 / sml
Lead	ND	mg/L		0.05		E200.8	08/02/08 00:07 / sml
Manganese	1.49	mg/L		0.01		E200.7	07/25/08 02:34 / cp
Molybdenum	ND	mg/L		0.1		E200.7	07/25/08 02:34 / cp
Nickel	ND	mg/L		0.05		E200.8	08/05/08 22:51 / ts
Uranium	0.0017	mg/L	D	0.0006		E200.8	08/02/08 00:07 / sml
Vanadium	ND	mg/L		0.1		E200.7	07/25/08 02:34 / cp
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.003		E1632AM	08/06/08 11:06 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/07/08 09:50 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.6	pCi/L				E900.1	07/31/08 16:19 / crw
Gross Alpha minus Rn & U Precision (±)	0.7	pCi/L				E900.1	07/31/08 16:19 / crw
Gross Alpha minus Rn & U MDC	0.8	pCi/L				E900.1	07/31/08 16:19 / crw
Lead 210	3.4	pCi/L	U			E909.0M	08/11/08 10:51 / dm
Lead 210 precision (±)	4.5	pCi/L				E909.0M	08/11/08 10:51 / dm
Lead 210 MDC	7.4	pCi/L				E909.0M	08/11/08 10:51 / dm
Radium 226	1.4	pCi/L				E903.0	08/26/08 08:40 / trs
Radium 226 precision (±)	0.22	pCi/L				E903.0	08/26/08 08:40 / trs
Radium 226 MDC	0.10	pCi/L				E903.0	08/26/08 08:40 / trs
Radium 228	3.2	pCi/L				RA-05	08/19/08 11:01 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08070869-005
Client Sample ID: EPA-2 Duplicate

Report Date: 09/02/08
Collection Date: 07/14/08 12:05
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	0.75	pCi/L				RA-05	08/19/08 11:01 / plj
Radium 228 MDC	1.0	pCi/L				RA-05	08/19/08 11:01 / plj
Thorium 230	0.0	pCi/L	U	0.2		E907.0	08/18/08 21:40 / dmf
Thorium 230 precision (±)	0.2	pCi/L				E907.0	08/18/08 21:40 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-2.73	%				Calculation	07/29/08 19:45 / lab
Anions	41.9	meq/L				Calculation	07/29/08 19:45 / lab
Cations	39.7	meq/L				Calculation	07/29/08 19:45 / lab
Solids, Total Dissolved Calculated	2640	mg/L				Calculation	07/29/08 19:45 / lab
TDS Balance (0.80 - 1.20)	0.990					Calculation	07/29/08 19:45 / lab
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/22/08 01:17 / jlr
Bromoform	ND	ug/L		0.50		E624	07/22/08 01:17 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/22/08 01:17 / jlr
Chloroform	ND	ug/L		0.50		E624	07/22/08 01:17 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	07/22/08 01:17 / jlr
Surr: 1,2-Dichlorobenzene-d4	102	%REC		80-120		E624	07/22/08 01:17 / jlr
Surr: Dibromofluoromethane	101	%REC		80-120		E624	07/22/08 01:17 / jlr
Surr: p-Bromofluorobenzene	90.0	%REC		80-120		E624	07/22/08 01:17 / jlr
Surr: Toluene-d8	95.0	%REC		80-120		E624	07/22/08 01:17 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08100849-006
Client Sample ID: EPA-2 Duplicate

Report Date: 11/17/08
Collection Date: 10/13/08 13:30
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	320	mg/L		1		A2320 B	10/20/08 14:15 / ljl
Calcium	354	mg/L		1		E200.7	11/04/08 14:45 / cp
Chloride	18	mg/L		1		A4500-Cl B	10/27/08 12:30 / jal
Magnesium	161	mg/L		1		E200.7	11/04/08 14:45 / cp
Nitrogen, Ammonia as N	0.3	mg/L		0.1		E350.1	10/23/08 13:52 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/22/08 13:54 / eli-b
Potassium	6	mg/L		1		E200.7	11/04/08 14:45 / cp
Sodium	194	mg/L	D	4		E200.7	11/04/08 14:45 / cp
Sulfate	1720	mg/L	D	60		A4500-SO4 E	10/20/08 11:04 / jal
PHYSICAL PROPERTIES							
pH	6.87	s.u.		0.01		A4500-H B	10/20/08 10:33 / dd
Solids, Total Dissolved TDS @ 180 C	2710	mg/L	H	10		A2540 C	10/21/08 09:11 / jah
- H - Sample was analyzed beyond recommended hold time due to receiving it with insufficient hold time remaining.							
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	11/04/08 18:06 / ts
Beryllium	ND	mg/L		0.01		E200.8	11/04/08 18:06 / ts
Cadmium	ND	mg/L		0.005		E200.8	11/04/08 18:06 / ts
Cobalt	ND	mg/L		0.01		E200.8	11/04/08 18:06 / ts
Lead	ND	mg/L		0.05		E200.8	11/04/08 18:06 / ts
Manganese	1.44	mg/L		0.01		E200.8	11/04/08 18:06 / ts
Molybdenum	ND	mg/L		0.1		E200.8	11/04/08 18:06 / ts
Nickel	ND	mg/L		0.05		E200.8	11/04/08 18:06 / ts
Uranium	0.0019	mg/L		0.0003		E200.8	11/04/08 18:06 / ts
Vanadium	ND	mg/L		0.1		E200.8	11/04/08 18:06 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		E1632AM	10/27/08 17:26 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/29/08 16:25 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	2.7	pCi/L				E900.1	10/30/08 15:09 / cgr
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	10/30/08 15:09 / cgr
Gross Alpha minus Rn & U MDC	0.4	pCi/L				E900.1	10/30/08 15:09 / cgr
Lead 210	0.5	pCi/L	U			E909.0M	10/28/08 10:11 / dm
Lead 210 precision (±)	3.1	pCi/L				E909.0M	10/28/08 10:11 / dm
Lead 210 MDC	5.1	pCi/L				E909.0M	10/28/08 10:11 / dm
Radium 226	0.96	pCi/L				E903.0	11/10/08 16:41 / trs
Radium 226 precision (±)	0.24	pCi/L				E903.0	11/10/08 16:41 / trs
Radium 226 MDC	0.23	pCi/L				E903.0	11/10/08 16:41 / trs
Radium 228	2.2	pCi/L				RA-05	11/04/08 14:13 / plj
Radium 228 precision (±)	0.86	pCi/L				RA-05	11/04/08 14:13 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 14:13 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client:	United Nuclear Corp	**Report Date:**	11/17/08
Project:	Zone 1	**Collection Date:**	10/13/08 13:30
Lab ID:	C08100849-006	**DateReceived:**	10/17/08
Client Sample ID:	EPA-2 Duplicate	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.5	pCi/L		0.2		E907.0	10/30/08 15:45 / dmf
Thorium 230 precision (±)	0.8	pCi/L				E907.0	10/30/08 15:45 / dmf
DATA QUALITY							
A/C Balance (± 5)	-2.54	%				Calculation	11/07/08 16:46 / sdw
Anions	41.6	meq/L				Calculation	11/07/08 16:46 / sdw
Cations	39.5	meq/L				Calculation	11/07/08 16:46 / sdw
Solids, Total Dissolved Calculated	2610	mg/L				Calculation	11/07/08 16:46 / sdw
TDS Balance (0.80 - 1.20)	1.04					Calculation	11/07/08 16:46 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/25/08 13:49 / jlr
Bromoform	ND	ug/L		0.50		E624	10/25/08 13:49 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	10/25/08 13:49 / jlr
Chloroform	ND	ug/L		0.50		E624	10/25/08 13:49 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/25/08 13:49 / jlr
Surr: 1,2-Dichlorobenzene-d4	105	%REC		80-120		E624	10/25/08 13:49 / jlr
Surr: Dibromofluoromethane	104	%REC		80-120		E624	10/25/08 13:49 / jlr
Surr: p-Bromofluorobenzene	94.0	%REC		80-120		E624	10/25/08 13:49 / jlr
Surr: Toluene-d8	74.0	%REC	S	80-120		E624	10/25/08 13:49 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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UNC Mining and Milling ChurchRock Operations					
GroundWater Monitoring Summary: Zone 3 Monitor Wells					
Well ID:		711	711	711	711
Collection Date:		10/13/2008	7/14/2008	4/14/2008	1/21/2008
Receive Date:		10/17/2008	7/18/2008	4/18/2008	1/25/2008
Report Date:		11/20/2008	9/5/2008	6/9/2008	4/2/2008
Analyte	Units	C08100853-002	C08070864-002	C08040891-008	C08011074-003
Bicarbonate as HCO3	mg/L	ND(1)	ND(1)	ND(1)	ND(1)
Calcium	mg/L	430	464	479	460
Chloride	mg/L	15	13	15	23
Magnesium	mg/L	442	463	492	475
Nitrogen, Ammonia as N	mg/L	0.7	0.32	0.36	0.51
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	9	10	10.7	12.1
Sodium	mg/L	86	91	98	98.6
Sulfate	mg/L	3270	3230	3470	3190
pH	s.u.	3.78	4.15	3.91	3.54
Solids, Total Dissolved TDS @ 180 C	mg/L	5040	4870	4770	4850
Aluminum	mg/L	0.3	0.4	0.5	0.4
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	0.36	0.34	0.38	0.38
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	6.18	6.12	6.59	6.34
Molybdenum	mg/L	0.1	0.2	0.2	0.2
Nickel	mg/L	0.32	0.33	0.35	0.35
Uranium	mg/L	0.0214	0.0206	0.0248	0.0241
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.006	0.005	0.01	0.045
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	10.3	6.4	8.4	9.1
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.2	0.8	0.8	1.0
Gross Alpha minus Rn & U MDC	pCi/L	0.5	0.3		
Lead 210	pCi/L	2.1	2.3	0.0	ND(1.0)
Lead 210 precision (±)	pCi/L	5.0	6.8	1.9	0
Lead 210 MDC	pCi/L	8.3	11.3		
Radium 226	pCi/L	4.4	3.7	4.0	7.0
Radium 226 precision (±)	pCi/L	0.52	0.37	0.3	0.9
Radium 226 MDC	pCi/L	0.32	0.17	0.1	
Radium 228	pCi/L	7.5	9.8	18.4	15.3
Radium 228 precision (±)	pCi/L	1.1	0.89	1.5	1.4
Radium 228 MDC	pCi/L	1.3	0.91	1.4	
Thorium 230	pCi/L	0.1	0.2	0.4	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.5	0.7	0.8	
A/C Balance (± 5)	%	-3.28	-1.63		0.089
Anions	meq/L	68.6	67.7		67.1
Cations	meq/L	64.2	65.5		67.2
Solids, Total Dissolved Calculated	mg/L	4270	4270		4260
TDS Balance (0.80 - 1.20)		1.18	1.14		1.14
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

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

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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:		10/13/2008	7/14/2008	4/14/2008	1/21/2008
Receive Date:		10/17/2008	7/18/2008	4/18/2008	1/25/2008
Report Date:		11/20/2008	9/5/2008	6/9/2008	4/2/2008
Analyte	Units	C08100853-003	C08070864-003	C08040891-009	C08011074-004
Bicarbonate as HCO3	mg/L	ND(1)	2	5	4
Calcium	mg/L	478	456	482	464
Chloride	mg/L	16	13	15	22
Magnesium	mg/L	476	457	496	474
Nitrogen, Ammonia as N	mg/L	0.7	0.32	0.36	0.52
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	0.1
Potassium	mg/L	10	10	10.7	11.9
Sodium	mg/L	91	92	98	91.1
Sulfate	mg/L	3690	3390	3510	3220
pH	s.u.	4.54	5.07	4.68	4.73
Solids, Total Dissolved TDS @ 180 C	mg/L	5050	4960	4740	5030
Aluminum	mg/L	0.3	0.4	0.5	0.4
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	0.36	0.34	0.37	0.37
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	6.15	6.27	6.76	6.24
Molybdenum	mg/L	0.2	0.2	0.2	0.1
Nickel	mg/L	0.32	0.40	0.35	0.34
Uranium	mg/L	0.0195	0.0196	0.0227	0.0224
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.008	0.006	0.01	0.038
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	10.4	6.4	8.1	8.2
Gross Alpha minus Rn & U Precision (±)	pCi/L	1.2	0.8	0.8	0.9
Gross Alpha minus Rn & U MDC	pCi/L	0.5	0.3		
Lead 210	pCi/L	0.2	6.0	0.0	ND(1.0)
Lead 210 precision (±)	pCi/L	2.5	6.9	2.0	
Lead 210 MDC	pCi/L	4.2	11.3		
Radium 226	pCi/L	4.6	3.8	4.0	7.4
Radium 226 precision (±)	pCi/L	0.46	0.37	0.3	1.0
Radium 226 MDC	pCi/L	0.25	0.17	0.1	
Radium 228	pCi/L	9.2	11	17.4	14.6
Radium 228 precision (±)	pCi/L	1.1	0.94	1.4	1.4
Radium 228 MDC	pCi/L	1.3	0.91	1.4	
Thorium 230	pCi/L	-0.1	-0.5	0.4	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.5	0.5	0.6	
A/C Balance (± 5)	%	-3.51	-4.77		-0.653
Anions	meq/L	77.3	71.1		67.8
Cations	meq/L	72.1	64.6		66.9
Solids, Total Dissolved Calculated	mg/L	4760	4420		4290
TDS Balance (0.80 - 1.20)		1.06	1.12		1.17
Trihalomethanes, Total	ug/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08070864-003
Client Sample ID: 711 Duplicate

Report Date: 09/05/08
Collection Date: 07/14/08 15:20
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	2	mg/L		1		A2320 B	07/21/08 19:45 / ljl
Calcium	456	mg/L		1		E200.7	08/01/08 15:49 / cp
Chloride	13	mg/L		1		A4500-Cl B	07/25/08 13:13 / jal
Magnesium	457	mg/L		1		E200.7	08/01/08 15:49 / cp
Nitrogen, Ammonia as N	0.32	mg/L		0.05		E350.1	07/23/08 12:42 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/28/08 15:23 / eli-b
Potassium	10	mg/L		1		E200.7	08/01/08 15:49 / cp
Sodium	92	mg/L	D	8		E200.7	08/01/08 15:49 / cp
Sulfate	3390	mg/L	D	60		A4500-SO4 E	07/31/08 11:34 / jal
PHYSICAL PROPERTIES							
pH	5.07	s.u.		0.01		A4500-H B	07/21/08 11:02 / jah
Solids, Total Dissolved TDS @ 180 C	4960	mg/L		10		A2540 C	07/21/08 16:24 / dd
METALS - TOTAL							
Aluminum	0.4	mg/L		0.1		E200.8	08/02/08 07:37 / sml
Beryllium	ND	mg/L		0.01		E200.8	07/30/08 08:35 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/30/08 08:35 / ts
Cobalt	0.34	mg/L		0.01		E200.8	07/30/08 08:35 / ts
Lead	ND	mg/L		0.05		E200.8	07/30/08 08:35 / ts
Manganese	6.27	mg/L		0.01		E200.8	07/30/08 08:35 / ts
Molybdenum	0.2	mg/L		0.1		E200.8	07/30/08 08:35 / ts
Nickel	0.40	mg/L		0.05		E200.8	07/30/08 08:35 / ts
Uranium	0.0196	mg/L		0.0003		E200.8	07/30/08 08:35 / ts
Vanadium	ND	mg/L		0.1		E200.8	07/30/08 08:35 / ts
METALS - SPECIATED							
Arsenic-III	0.006	mg/L		0.003		E1632AM	07/31/08 18:37 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	08/07/08 09:00 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	6.4	pCi/L				E900.1	08/11/08 10:19 / crw
Gross Alpha minus Rn & U Precision (±)	0.8	pCi/L				E900.1	08/11/08 10:19 / crw
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	08/11/08 10:19 / crw
Lead 210	6.0	pCi/L	U			E909.0M	07/28/08 08:15 / dm
Lead 210 precision (±)	6.9	pCi/L				E909.0M	07/28/08 08:15 / dm
Lead 210 MDC	11.3	pCi/L				E909.0M	07/28/08 08:15 / dm
Radium 226	3.8	pCi/L				E903.0	08/25/08 18:19 / trs
Radium 226 precision (±)	0.37	pCi/L				E903.0	08/25/08 18:19 / trs
Radium 226 MDC	0.17	pCi/L				E903.0	08/25/08 18:19 / trs
Radium 228	11	pCi/L				RA-05	08/19/08 06:40 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08070864-003
Client Sample ID: 711 Duplicate

Report Date: 09/05/08
Collection Date: 07/14/08 15:20
DateReceived: 07/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	0.94	pCi/L				RA-05	08/19/08 06:40 / plj
Radium 228 MDC	0.91	pCi/L				RA-05	08/19/08 06:40 / plj
Thorium 230	-0.5	pCi/L	U	0.2		E907.0	08/18/08 17:27 / dmf
Thorium 230 precision (±)	0.5	pCi/L				E907.0	08/18/08 17:27 / dmf
- See Case Narrative regarding Pb210 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-4.77	%				Calculation	09/05/08 11:11 / sec
Anions	71.1	meq/L				Calculation	09/05/08 11:11 / sec
Cations	64.6	meq/L				Calculation	09/05/08 11:11 / sec
Solids, Total Dissolved Calculated	4420	mg/L				Calculation	09/05/08 11:11 / sec
TDS Balance (0.80 - 1.20)	1.12					Calculation	09/05/08 11:11 / sec
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	07/21/08 13:52 / jlr
Bromoform	ND	ug/L		0.50		E624	07/21/08 13:52 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	07/21/08 13:52 / jlr
Chloroform	ND	ug/L		0.50		E624	07/21/08 13:52 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	07/21/08 13:52 / jlr
Surr: 1,2-Dichlorobenzene-d4	96.0	%REC		80-120		E624	07/21/08 13:52 / jlr
Surr: Dibromofluoromethane	103	%REC		80-120		E624	07/21/08 13:52 / jlr
Surr: p-Bromofluorobenzene	89.0	%REC		80-120		E624	07/21/08 13:52 / jlr
Surr: Toluene-d8	92.0	%REC		80-120		E624	07/21/08 13:52 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08100853-003
Client Sample ID: 711 Duplicate

Report Date: 11/19/08
Collection Date: 10/13/08 16:10
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	10/20/08 15:34 / ljl
Calcium	478	mg/L		1		E200.7	11/05/08 12:17 / cp
Chloride	16	mg/L		1		A4500-Cl B	10/27/08 13:23 / jal
Magnesium	476	mg/L		1		E200.7	11/05/08 12:17 / cp
Nitrogen, Ammonia as N	0.7	mg/L	D	0.4		E350.1	10/27/08 11:59 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/22/08 15:06 / eli-b
Potassium	10	mg/L		1		E200.7	11/05/08 12:17 / cp
Sodium	91	mg/L	D	8		E200.7	11/05/08 12:17 / cp
Sulfate	3690	mg/L	D	60		A4500-SO4 E	10/20/08 12:00 / jal
PHYSICAL PROPERTIES							
pH	4.54	s.u.	H	0.01		A4500-H B	10/21/08 10:39 / dd
Solids, Total Dissolved TDS @ 180 C	5050	mg/L		10		A2540 C	10/20/08 15:16 / jah
METALS - TOTAL							
Aluminum	0.3	mg/L		0.1		E200.8	11/04/08 19:41 / ts
Beryllium	ND	mg/L		0.01		E200.8	11/04/08 19:41 / ts
Cadmium	ND	mg/L		0.005		E200.8	11/04/08 19:41 / ts
Cobalt	0.36	mg/L		0.01		E200.8	11/04/08 19:41 / ts
Lead	ND	mg/L		0.05		E200.8	11/04/08 19:41 / ts
Manganese	6.15	mg/L		0.01		E200.8	11/04/08 19:41 / ts
Molybdenum	0.2	mg/L		0.1		E200.8	11/04/08 19:41 / ts
Nickel	0.32	mg/L		0.05		E200.8	11/04/08 19:41 / ts
Uranium	0.0195	mg/L		0.0003		E200.8	11/04/08 19:41 / ts
Vanadium	ND	mg/L		0.1		E200.8	11/04/08 19:41 / ts
METALS - SPECIATED							
Arsenic-III	0.008	mg/L		0.001		E1632AM	10/24/08 15:27 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	10/30/08 10:25 / aae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	10.4	pCi/L				E900.1	10/30/08 18:30 / cgr
Gross Alpha minus Rn & U Precision (±)	1.2	pCi/L				E900.1	10/30/08 18:30 / cgr
Gross Alpha minus Rn & U MDC	0.5	pCi/L				E900.1	10/30/08 18:30 / cgr
Lead 210	0.2	pCi/L	U			E909.0M	10/29/08 10:30 / dm
Lead 210 precision (±)	2.5	pCi/L				E909.0M	10/29/08 10:30 / dm
Lead 210 MDC	4.2	pCi/L				E909.0M	10/29/08 10:30 / dm
Radium 226	4.6	pCi/L				E903.0	11/11/08 00:34 / trs
Radium 226 precision (±)	0.46	pCi/L				E903.0	11/11/08 00:34 / trs
Radium 226 MDC	0.25	pCi/L				E903.0	11/11/08 00:34 / trs
Radium 228	9.2	pCi/L				RA-05	11/04/08 16:22 / plj
Radium 228 precision (±)	1.1	pCi/L				RA-05	11/04/08 16:22 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	11/04/08 16:22 / plj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.
U - Not detected at minimum detectable concentration

ENERGY LABORATORIES, INC. • 2393 Salt Creek Highway (82601) • P.O. Box 3258 • Casper, WY 82602
Toll Free 888.235.0515 • 307.235.0515 • Fax 307.234.1639 • casper@energylab.com • www.energylab.com

LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08100853-003
Client Sample ID: 711 Duplicate

Report Date: 11/19/08
Collection Date: 10/13/08 16:10
DateReceived: 10/17/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	-0.1	pCi/L	U	0.2		E907.0	10/31/08 07:44 / dmf
Thorium 230 precision (±)	0.5	pCi/L				E907.0	10/31/08 07:44 / dmf
DATA QUALITY							
A/C Balance (± 5)	-3.51	%				Calculation	11/07/08 16:48 / sdw
Anions	77.3	meq/L				Calculation	11/07/08 16:48 / sdw
Cations	72.1	meq/L				Calculation	11/07/08 16:48 / sdw
Solids, Total Dissolved Calculated	4760	mg/L				Calculation	11/07/08 16:48 / sdw
TDS Balance (0.80 - 1.20)	1.06					Calculation	11/07/08 16:48 / sdw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	10/26/08 00:32 / jlr
Bromoform	ND	ug/L		0.50		E624	10/26/08 00:32 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	10/26/08 00:32 / jlr
Chloroform	ND	ug/L		0.50		E624	10/26/08 00:32 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	10/26/08 00:32 / jlr
Surr: 1,2-Dichlorobenzene-d4	102	%REC		80-120		E624	10/26/08 00:32 / jlr
Surr: Dibromofluoromethane	118	%REC		80-120		E624	10/26/08 00:32 / jlr
Surr: p-Bromofluorobenzene	90.0	%REC		80-120		E624	10/26/08 00:32 / jlr
Surr: Toluene-d8	99.0	%REC		80-120		E624	10/26/08 00:32 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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

Zone 3

CHAIN OF CUSTODY

Energy Laboratories, Inc.
Laboratory

393 N. Salt Creek Highway
Address

Casper WY 82601
City State Zip

307-235-0515
Phone No.

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

UNC Submittal No. TE-5-7-2008 (Pg. 1 of 2)

Sample Description	Date	Time	Filter 0.45u	PRESERVATION plain	HNO_3	H_2SO_4	$Na_2S_2O_3$	NaOH	Preserved By	Analysis Required (For all samples listed)
509-D	7-7-08	0950		✓	✓	✓	✓		M. Chischilly	As, Be, Ca, Cd, Cl, HCO_3,
EPA-23		1030								K, Mg, Mn, Na, NH_4, Ni,
803		1105								NO_3, Pb, Pb-210, pH, Se,
808		1145								SO_4, TDS, Th-230, U, V,
802		1225								Chloroform, Gross
801		1415								Alpha (-) U & Rn,
GW-2		1450								Combined Ra-226 & Ra-228, Al,
GW-1		1545								Co, Mo & Total Trihalomethanes (TTHMs)
632	↓	1620						NA		
624	7-8-08	0850								
SBL-1		0945								
EPA-28		1025								
EPA-28 DUPLICATE		1100								
613		1145								C080700631
GW-3	↓	1330		↓	↓	↓	↓		↓	

Sampled by: Maf Chischilly Jr.
Dispatched by: [signature]
Carrier: UPS - Ground
6 Iced Cooler
Method of Shipment

Received by Ronald B. Sam
7-9-08 12:22
Date Time

7-7-08 @ 1310 & 1700
7-8-08 @ 1230 & 1600
Date Time
[signature]
Lab Receipt Signature
7-14-08 9:40
Date Time

The above analysis to be performed is authorized by:
Maf Chischilly Jr.
Signature
7-9-08
Date

UPS Grnd
Le° Ice
Seals

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

CHAIN OF CUSTODY

Energy Laboratories, Inc.
Laboratory

2393 N. Salt Creek Highway
Address

Casper WY 82601
City State Zip

307-235-0515
Phone No.

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

UNC Submittal No. TE- 5-7-2008 (Pg. 2 of 2)

Sample Description	Date	Time	Filter 0.45u	PRESERVATION plain	HNO_3	H_2SO_4	$Na_2S_2O_3$	NaOH	Preserved By	Analysis Required (For all samples listed)
EPA-25	7-8-08	1425		✓	✓	✓	✓		M. Chischilly	As, Be, Ca, Cd, Cl, HCO_3,
627	7-8-08	1515								K, Mg, Mn, Na, NH_4, Ni,
614	7-9-08	0840								NO_3, Pb, Pb-210, pH, Se,
515-A	7-9-08	0930								SO_4, TDS, Th-230, U, V,
604	7-9-08	1015								Chloroform, Gross
FIELD BLANK	7-9-08	1130								Alpha (-) U & Rn,
										Combined Ra-226 & Ra-228, Al,
										Co, Mo & Total Trihalomethanes (TTHMs)
								N A		
										0807063 1

Sampled by: Marf Chischilly Jr.
Dispatched by: [signature]
Carrier: UPS - Ground
6 Iced Cooler
Method of Shipment

Received by Ronald B. Lam
7-9-08 12:22
Date Time

7-8-08 @ 1600
7-9-08 @ 1130
Date Time
[signature]
Lab Receipt Signature
7-14-08 9:40
Date Time

UPS Grnd
6° ice
Seals

The above analysis to be performed is authorized by:
Marf Chischilly Jr.
Signature
7-9-08
Date

Energy Laboratories Inc
Workorder Receipt Checklist

C08070627

United Nuclear Corporation

Login completed by: Jennifer McVay

Date and Time Received: 7/14/2008 9:40 AM

Reviewed by:

Received by: jm

Reviewed Date:

Carrier name: Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	6°C On Ice
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

Sample split in lab for metals on 7/14/08.

Energy Laboratories Inc
Workorder Receipt Checklist

C08070631

United Nuclear Corporation

Login completed by: Jennifer McVay

Date and Time Received: 7/14/2008 9:40 AM

Reviewed by:

Received by: jm

Reviewed Date:

Carrier name: Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	6°C On Ice
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

Samples split in lab for metals 7/14/08.

Energy Laboratories Inc
Workorder Receipt Checklist

C08070632

United Nuclear Corporation

Login completed by: Jennifer McVay

Date and Time Received: 7/14/2008 9:40 AM

Reviewed by:

Received by: jm

Reviewed Date:

Carrier name: Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☐	No ☑	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	6°C On Ice
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

Samples split in lab for metals on 7/14/08. 1 VOA vial for sample 604 received broken 7/14/08.

UNITED NUCLEAR CORPORATION
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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

Zone 1

UNC Submittal No. TE- 6-7-2008 (PG. 1 OF 2)

Sample Description	Date	Time	Filter 0.45u	PRESERVATION plain	HNO_3	H_2SO_4	$Na_2S_2O_3$	NaOH	Preserved By	Analysis Required (For all samples listed)
EPA-7	7-14-08	0850		✓	✓	✓	✓		M. Chischilly	As, Be, Ca, Cd, Cl, HCO_3,
EPA-5		0945								K, Mg, Mn, Na, NH_4, Ni,
EPA-4		1030								NO_3, Pb, Pb-210, pH, Se,
EPA-2		1125								SO_4, TDS, Th-230, U, V,
EPA-2 DUPLICATE		1205								Chloroform, Gross
708		1405								Alpha (-) U & Rn,
711		1445								Combined Ra-226 & Ra-228, Al,
711 DUPLICATE		1520								Co, Mo & Total Trihalomethanes (TTHMs)
EPA-13	↓	1605						NA		
TWQ-142	7-15-08	0845								
517		0935								
EPA-14		1015								
717		1050								
420		1130								
NBL-1	↓	1330		↓	↓	↓	↓		↓	

Sampled by: Mac Chischilly Jr.

Dispatched by:

Carrier: UPS- GROUND

6 ICED COOLER
Method of Shipment

Received by Ronald B. Lee
7-16-08 10:36
Date Time

7-14-08 @ 1300 & 1700
7-15-08 @ 1230 & 1730
Date Time

Lab Receipt Signature

7-18-08 9:36
Date Time

The above analysis to be performed is authorized by:

Signature

7-16-08
Date

C0807089

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

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Laboratory

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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- 6-7-2008 (PG. 2 OF 2)

Sample Description	Date	Time	Filter 0.45u	PRESERVATION plain	HNO_3	H_2SO_4	$Na_2S_2O_3$	NaOH	Preserved By	Analysis Required (For all samples listed)
719	7-15-08	1535		✓ MC	✓ MC	✓ MC	✓ MC		M. Chischilly	As, Be, Ca, Cd, Cl, HCO_3,
504-B	7-15-08	1615		✓ MC	✓ MC	✓ MC	✓ MC		↓	K, Mg, Mn, Na, NH_4, Ni,
FIELD BLANK	7-15-08	1730		✓ MC	✓ MC	✓ MC	✓ MC			NO_3, Pb, Pb-210, pH, Se,
										SO_4, TDS, Th-230, U, V,
										Chloroform, Gross
										Alpha (-) U & Rn,
										Combined Ra-226 & Ra-228, Al,
										Co, Mo & Total Trihalomethanes (TTHMs)
								N A		

Sampled by: Mark Chischilly Jr.
Dispatched by:
Carrier: UPS - GROUND
6 ICED COOLER
Method of Shipment

Received by Ronald B. Sam
7-16-08 10:37
Date Time

7-15-08 @ 1730
Date Time
Lab Receipt Signature
7-18-08 9:36
Date Time

The above analysis to be performed is authorized by:
Signature
7-16-08
Date

Energy Laboratories Inc
Workorder Receipt Checklist

C08070864

United Nuclear Corporation

Login completed by: Corinne Wagner

Date and Time Received: 7/18/2008 9:30 AM

Reviewed by:

Received by: jm

Reviewed Date:

Carrier name: Ground

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

Contact and Corrective Action Comments:

None

Energy Laboratories Inc
Workorder Receipt Checklist

C08070869

United Nuclear Corporation

Login completed by: Corinne Wagner

Date and Time Received: 7/18/2008 9:30 AM

Reviewed by:

Received by: jm

Reviewed Date:

Carrier name: Ground

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

Contact and Corrective Action Comments:

None

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- 7-10-2008 (Pg. 1 of 2)

Sample Description	Date	Time	Filter 0.45u	PRESERVATION plain	HNO_3	H_2SO_4	$Na_2S_2O_3$	NaOH	Preserved By	Analysis Required (For all samples listed)
509-D	10-6-08	0905		✓	✓	✓	✓		M. Chischilly	As, Be, Ca, Cd, Cl, HCO_3,
EPA-23		0950								K, Mg, Mn, Na, NH_4, Ni,
803		1035								NO_3, Pb, Pb-210, pH, Se,
808		1145								SO_4, TDS, Th-230, U, V,
802		1230								Chloroform, Gross
801		1305								Alpha (-) U & Rn,
GW-2		1400								Combined Ra-226 & Ra-228, Al,
GW-1		1510								Co, Mo & Total Trihalomethanes (TTHMs)
632		1555						NA		
624	10-7-08	0855								
SBL-1		0940								
EPA-28		1025								
EPA-28 DUPLICATE		1055								
613		1145								
GW-3		1320								

Sampled by: Max Chischilly Jr.

Dispatched by:

Carrier: UPS - Ground

7 Iced cooler
Method of Shipment

Received by Ronald B. Sam
10-8-08 Date
12:15 Time

10-6-08 @ 1700.
10-7-08 @ 1220 & 1600
Date Time

Lab Receipt Signature

10.10.08 9:30
Date Time

The above analysis to be performed is authorized by:

Signature

10-8-2008
Date

6°

C0810047S

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- 7-10-2008 (Pg. 2 of 2)

Sample Description	Date	Time	Filter 0.45u	PRESERVATION plain	HNO_3	H_2SO_4	$Na_2S_2O_3$	NaOH	Preserved By	Analysis Required (For all samples listed)
EPA-25	10-7-08	1415		✓ MC	✓ MC	✓ MC	✓ MC		M. Chischilly	As, Be, Ca, Cd, Cl, HCO_3,
627	10-7-08	1505		✓ MC	✓ MC	✓ MC	✓ MC			K, Mg, Mn, Na, NH_4, Ni,
614	10-8-08	0835		✓ MC	✓ MC	✓ MC	✓ MC			NO_3, Pb, Pb-210, pH, Se,
515-A	10-8-08	0930		✓ MC	✓ MC	✓ MC	✓ MC			SO_4, TDS, Th-230, U, V,
FIELD BLANK	10-8-08	1110		✓ MC	✓ MC	✓ MC	✓ MC			Chloroform, Gross
										Alpha (-) U & Rn,
										Combined Ra-226 & Ra-228, Al,
										Co, Mo & Total Trihalomethanes (TTHMs)
								NA		

Sampled by: Mat Chischilly Jr.
Dispatched by: [signature]
Carrier: UPS- Ground
7 Iced cooler
Method of Shipment

Received by Ronald B. [illegible]
10-8-08 12:15
Date Time

10-7-08 @ 1600
10-8-08 @ 1110
Date Time
[signature]
Lab Receipt Signature
10-10-08 9:20
Date Time

The above analysis to be performed is authorized by:
[signature]
Signature
10-8-2008
Date

Energy Laboratories Inc
Workorder Receipt Checklist

C08100478

United Nuclear Corporation

Login completed by: Corinne Wagner

Date and Time Received: 10/10/2008 9:30 AM

Reviewed by:

Received by: cm

Reviewed Date:

Carrier name: Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	6°C		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

Energy Laboratories Inc
Workorder Receipt Checklist

C08100485

United Nuclear Corporation

Login completed by: Corinne Wagner

Date and Time Received: 10/10/2008 9:30 AM

Reviewed by:

Received by: cm

Reviewed Date:

Carrier name: Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	6°C		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

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-8-10-2008 (Pg. 1 of 2)

Sample Description	Date	Time	Filter 0.45u	PRESERVATION plain	HNO_3	H_2SO_4	$Na_2S_2O_3$	NaOH	Preserved By	Analysis Required (For all samples listed)
604	10-13-08	0925		✓ MC	✓ MC	✓ MC	✓ MC		M.CHISCHILLY	As, Be, Ca, Cd, Cl, HCO_3,
EPA-7		1015								K, Mg, Mn, Na, NH_4, Ni,
EPA-5		1050								NO_3, Pb, Pb-210, pH, Se,
EPA-4		1137								SO_4, TDS, Th-230, U, V,
EPA-2		1250								Chloroform, Gross
EPA-2 DUPLICATE		1330								Alpha (-) U & Rn,
517		1405								Combined Ra-226 & Ra-228, Al,
708		1450								Co, Mo & Total Trihalomethanes (TTHMs)
711		1530						N A		
711 DUPLICATE		1610								
EPA-13		1650								
719		1735								
504-B	↓	1810								
EPA-14	10-14-08	0930								
717	10-14-08	1010		↓	↓	↓	↓		↓	

Sampled by: Map Chischilly Jr.
Dispatched by: [signature] 10-15-08 Date 11:54 Time
Carrier: UPS-Ground
9 Iced Cooler
Method of Shipment

Received by Map Chischilly Jr.
10-13-08 @ 1900
10-14-08 @ 1715
Date Time
[signature]
Lab Receipt Signature
10/17/08 9.30
Date Time
5° ICE
UPS ARS Grd

The above analysis to be performed is authorized by:
[signature]
Signature
10-15-2008
Date

C08100852

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- 8-10-2008 (Pg. 2 of 2)

Sample Description	Date	Time	Filter 0.45u	PRESERVATION plain	HNO_3	H_2SO_4	$Na_2S_2O_3$	NaOH	Preserved By	Analysis Required (For all samples listed)
420	10-14-08	1050		✓	✓	✓	✓		M. CHISCHILLY	As, Be, Ca, Cd, Cl, HCO_3,
NBL-2		1135								K, Mg, Mn, Na, NH_4, Ni,
TWQ-142		1210								NO_3, Pb, Pb-210, pH, Se,
NBL-1		1255								SO_4, TDS, Th-230, U, V,
PB-4		1425								Chloroform, Gross
PB-2		1530								Alpha (-) U & Rn,
RW-A		1545								Combined Ra-226 & Ra-228, Al,
RW-11		1605								Co, Mo & Total Trihalomethanes (TTHMs)
FIELD BLANK	↓	1715		↓	↓	↓	↓	NA	↓	

Sampled by: Mac Chischilly Jr.
Dispatched by: [signature]
Carrier: UPS - Ground
9 Iced cooler
Method of Shipment

Received by Mac Chischilly Jr.
10-15-08 11:54
Date Time

10-14-08 @ 1715
Date Time
[signature]
Lab Receipt Signature
10/17/08 930
Date Time

The above analysis to be performed is authorized by:
[signature]
Signature
10-15-2008
Date

5D

CO010852

Energy Laboratories Inc
Workorder Receipt Checklist

C08100849

United Nuclear Corporation

Login completed by: Edith McPike
Date and Time Received: 10/17/2008 9:30 AM

Reviewed by: Tabitha Edwards
Received by: ah

Reviewed Date: 10/22/2008 8:01:00 AM
Carrier name: Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	5°C On Ice		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

Energy Laboratories Inc
Workorder Receipt Checklist

C08100852

United Nuclear Corporation

Login completed by: Corinne Wagner

Date and Time Received: 10/17/2008 9:30 AM

Reviewed by:

Received by: ckw

Reviewed Date:

Carrier name: Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	5°C		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

Energy Laboratories Inc
Workorder Receipt Checklist

C08100853

United Nuclear Corporation

Login completed by: Edith McPike

Date and Time Received: 10/17/2008 9:30 AM

Reviewed by:

Received by: ah

Reviewed Date:

Carrier name: Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	5°C On Ice		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

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- 9-10-2008

Sample Description	Date	Time	Filter 0.45u	PRESERVATION plain	HNO_3	H_2SO_4	$Na_2S_2O_3$	NaOH	Preserved By	Analysis Required (For all samples listed)
PB-3	10-30-08	1105		✓ MC	✓ MC	✓ MC	✓ MC		M. CHISCHILLY	As, Be, Ca, Cd, Cl, HCO_3,
										K, Mg, Mn, Na, NH_4, Ni,
										NO_3, Pb, Pb-210, pH, Se,
										SO_4, TDS, Th-230, U, V,
										Chloroform, Gross
										Alpha (-) U & Rn,
										Combined Ra-226 & Ra-228, Al,
										Co, Mo & Total Trihalomethanes (TTHMs)
								NA		

Sampled by: Maf Chischilly Jr.
Dispatched by: Maf Chischilly Jr. 10-30-08 1400
Date Time
Carrier: UPS NEXT DAY AIR
1 ICED COOLER
Method of Shipment

Received by Maf Chischilly Jr. 10-30-08 1200
Date Time
Lab Receipt Signature
10-31-08 9:20 A.
Date Time

The above analysis to be performed is authorized by:
Maf Chischilly Jr.
Signature
10-30-08
Date

(108)(123)

Energy Laboratories Inc
Workorder Receipt Checklist

C08101336

United Nuclear Corporation

Login completed by: Edith McPike

Date and Time Received: 10/31/2008 9:20 AM

Reviewed by:

Received by: pb

Reviewed Date:

Carrier name: Next Day Air

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	12°C On Ice		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

Samples for dissolved metals were subsampled, filtered and preserved with 2 mL HNO3 in lab upon receipt to pH <2.

APPENDIX – D (1 OF 2)

THIRD QUARTER

LABORATORY QUALITY CONTROL AND

PERFORMANCE REPORT

ENERGY LABORATORIES, INC. • 2393 Salt Creek Highway (82601) • P.O. Box 3258 • Casper, WY 82602
Toll Free 888.235.0515 • 307.235.0515 • Fax 307.234.1639 • casper@energylab.com • www.energylab.com

ANALYTICAL SUMMARY REPORT

September 04, 2008

United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C08070627 Quote ID: C129 - Quarterly Long List

Project Name: Alluvium

Energy Laboratories, Inc. received the following 17 samples from United Nuclear Corp on 7/14/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08070627-001	509-D	07/07/08 09:50	07/14/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity QA Calculations Chloride Arsenic Speciation Selenium-IV, Total Sample Filtering Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics
C08070627-002	EPA-23	07/07/08 10:30	07/14/08	Aqueous	Same As Above
C08070627-003	803	07/07/08 11:05	07/14/08	Aqueous	Same As Above
C08070627-004	808	07/07/08 11:45	07/14/08	Aqueous	Same As Above
C08070627-005	802	07/07/08 12:25	07/14/08	Aqueous	Same As Above
C08070627-006	801	07/07/08 14:15	07/14/08	Aqueous	Same As Above
C08070627-007	GW-2	07/07/08 14:50	07/14/08	Aqueous	Same As Above
C08070627-008	GW-1	07/07/08 15:45	07/14/08	Aqueous	Same As Above
C08070627-009	632	07/07/08 16:20	07/14/08	Aqueous	Same As Above
C08070627-010	624	07/08/08 08:50	07/14/08	Aqueous	Same As Above
C08070627-011	SBL-1	07/08/08 09:45	07/14/08	Aqueous	Same As Above
C08070627-012	EPA-28	07/08/08 10:25	07/14/08	Aqueous	Same As Above
C08070627-013	EPA-28 Duplicate	07/08/08 11:00	07/14/08	Aqueous	Same As Above
C08070627-014	GW-3	07/08/08 13:30	07/14/08	Aqueous	Same As Above
C08070627-015	EPA-25	07/08/08 14:25	07/14/08	Aqueous	Same As Above
C08070627-016	627	07/08/08 15:15	07/14/08	Aqueous	Same As Above

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C08070627-017 Field Blank	07/09/08 11:30	07/14/08	Aqueous	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

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

Report Approved By: Lisa Bradley

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Toll Free 888.235.0515 • 307.235.0515 • Fax 307.234.1639 • casper@energylab.com • www.energylab.com

CLIENT: United Nuclear Corp
Project: Alluvium
Sample Delivery Group: C08070627

Date: 25-Sep-08

CASE NARRATIVE

The following Case Narrative contains exceptions or comments pertaining to the analysis of samples submitted by United Nuclear Corp on 7/14/2008 09:40:00. These samples were assigned ELI Workorder Number C08070627.

PB210 ANALYSIS
The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of 5 pCi/L if there is sufficient sample to process 1.0 L, and this is reported on a sample specific basis.

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

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.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

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.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
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

CERTFICATIONS:
USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

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

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

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Toll Free 888.235.0515 • 307.235.0515 • Fax 307.234.1639 • casper@energylab.com • www.energylab.com

QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 09/04/08
Work Order: C08070627

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: R104281
Sample ID: MBLK	Method Blank				Run: MANTECH_080715A				07/15/08 19:39
Alkalinity, Total as CaCO3	ND	mg/L	0.2						
Bicarbonate as HCO3	ND	mg/L	1						
Sample ID: LCS	Laboratory Control Sample				Run: MANTECH_080715A				07/15/08 19:47
Alkalinity, Total as CaCO3	202	mg/L	1.0	101	90	110			
Sample ID: C08070624-001AMS	Sample Matrix Spike				Run: MANTECH_080715A				07/15/08 20:36
Alkalinity, Total as CaCO3	366	mg/L	1.0	99	80	120			
Sample ID: C08070624-001AMSD	Sample Matrix Spike Duplicate				Run: MANTECH_080715A				07/15/08 20:43
Alkalinity, Total as CaCO3	366	mg/L	1.0	99	80	120	0.1	10	
Method: A2320 B									Batch: R104362
Sample ID: MBLK-1	Method Blank				Run: MANTECH_080716A				07/16/08 10:21
Alkalinity, Total as CaCO3	ND	mg/L	0.2						
Bicarbonate as HCO3	ND	mg/L	1						
Sample ID: C08070627-006AMS	Sample Matrix Spike				Run: MANTECH_080716A				07/16/08 11:02
Alkalinity, Total as CaCO3	1550	mg/L	1.0	93	80	120			
Sample ID: C08070627-006AMSD	Sample Matrix Spike Duplicate				Run: MANTECH_080716A				07/16/08 11:11
Alkalinity, Total as CaCO3	1560	mg/L	1.0	96	80	120	0.8	10	
Sample ID: C08070627-015AMS	Sample Matrix Spike				Run: MANTECH_080716A				07/16/08 12:41
Alkalinity, Total as CaCO3	1210	mg/L	1.0	96	80	120			
Sample ID: C08070627-015AMSD	Sample Matrix Spike Duplicate				Run: MANTECH_080716A				07/16/08 12:48
Alkalinity, Total as CaCO3	1210	mg/L	1.0	97	80	120	0.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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Toll Free 888.235.0515 • 307.235.0515 • Fax 307.234.1639 • casper@energylab.com • www.energylab.com

QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 09/04/08
Work Order: C08070627

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C								Batch: 080715_1_SLDS-TDS-W	
Sample ID: MBLK1_080715	Method Blank				Run: BAL-1_080715C			07/15/08 09:58	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: LCS1_080715	Laboratory Control Sample				Run: BAL-1_080715C			07/15/08 09:58	
Solids, Total Dissolved TDS @ 180 C	996	mg/L	10	100	90	110			
Sample ID: C08070627-005AMS	Sample Matrix Spike				Run: BAL-1_080715C			07/15/08 14:44	
Solids, Total Dissolved TDS @ 180 C	12000	mg/L	10	97	90	110			
Sample ID: C08070627-005AMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080715C			07/15/08 14:44	
Solids, Total Dissolved TDS @ 180 C	12100	mg/L	10	98	90	110	0.4	10	
Sample ID: C08070627-015AMS	Sample Matrix Spike				Run: BAL-1_080715C			07/15/08 14:46	
Solids, Total Dissolved TDS @ 180 C	6580	mg/L	10	99	90	110			
Sample ID: C08070627-015AMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080715C			07/15/08 14:47	
Solids, Total Dissolved TDS @ 180 C	6600	mg/L	10	100	90	110	0.4	10	
Method: A3114 B								Batch: SE3114-080806B	
Sample ID: MBLK	Method Blank				Run: CVAA-C202_080806B			08/06/08 13:52	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-114-6	Laboratory Control Sample				Run: CVAA-C202_080806B			08/06/08 13:54	
Selenium-IV	0.0475	mg/L	0.0010	95	90	110			
Sample ID: C08070627-001CMS	Sample Matrix Spike				Run: CVAA-C202_080806B			08/06/08 13:58	
Selenium-IV	0.0493	mg/L	0.0010	99	85	115			
Sample ID: C08070627-001CMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_080806B			08/06/08 14:00	
Selenium-IV	0.0502	mg/L	0.0010	100	85	115	1.9	10	
Sample ID: C08070627-011CMS	Sample Matrix Spike				Run: CVAA-C202_080806B			08/06/08 14:28	
Selenium-IV	0.0490	mg/L	0.0010	98	85	115			
Sample ID: C08070627-011CMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_080806B			08/06/08 14:30	
Selenium-IV	0.0534	mg/L	0.0010	107	85	115	8.5	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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Toll Free 888.235.0515 • 307.235.0515 • Fax 307.234.1639 • casper@energylab.com • www.energylab.com

QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 09/04/08
Work Order: C08070627

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-Cl B									Batch: 080724A-CL-TTR-W
Sample ID: MBLK9-080724A	Method Blank				Run: TITRATION_080724B				07/24/08 10:22
Chloride	ND	mg/L	0.4						
Sample ID: C08070627-010AMS	Sample Matrix Spike				Run: TITRATION_080724B				07/24/08 11:43
Chloride	367	mg/L	1.0	103	90	110			
Sample ID: C08070627-010AMSD	Sample Matrix Spike Duplicate				Run: TITRATION_080724B				07/24/08 11:45
Chloride	365	mg/L	1.0	102	90	110	0.5	10	
Sample ID: C08070632-002AMS	Sample Matrix Spike				Run: TITRATION_080724B				07/24/08 16:25
Chloride	624	mg/L	1.0	101	90	110			
Sample ID: C08070632-002AMSD	Sample Matrix Spike Duplicate				Run: TITRATION_080724B				07/24/08 16:26
Chloride	617	mg/L	1.0	99	90	110	1.1	10	
Sample ID: LCS35-080724A	Laboratory Control Sample				Run: TITRATION_080724B				07/24/08 16:27
Chloride	3510	mg/L	1.0	99	90	110			
Method: A4500-H B									Analytical Run: ORION555A_080715A
Sample ID: ICV1_080715_1	Initial Calibration Verification Standard								07/15/08 12:09
pH	6.90	s.u.	0.010	101	98	102			
Method: A4500-H B									Batch: 080715_1_PH-W_555A-1
Sample ID: C08070627-010ADUP	Sample Duplicate				Run: ORION555A_080715A				07/15/08 12:39
pH	6.85	s.u.	0.010				0.4	10	
Sample ID: C08070632-002ADUP	Sample Duplicate				Run: ORION555A_080715A				07/15/08 12:58
pH	6.16	s.u.	0.010				1.0	10	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 09/04/08
Work Order: C08070627

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-SO4 E								Batch: 080717_1_SO4-TURB-W	
Sample ID: LCS-1_080717	Laboratory Control Sample				Run: TURB-2_080717A			07/17/08 13:16	
Sulfate	5010	mg/L	59	104	90	110			
Sample ID: MBLK-1_080717	Method Blank				Run: TURB-2_080717A			07/17/08 13:18	
Sulfate	ND	mg/L	0.6						
Sample ID: C08070627-004AMS	Sample Matrix Spike				Run: TURB-2_080717A			07/17/08 14:26	
Sulfate	4900	mg/L	59	104	90	110			
Sample ID: C08070627-004AMSD	Sample Matrix Spike Duplicate				Run: TURB-2_080717A			07/17/08 14:28	
Sulfate	4870	mg/L	59	103	90	110	0.6	10	
Sample ID: C08070627-013AMS	Sample Matrix Spike				Run: TURB-2_080717A			07/17/08 15:16	
Sulfate	4880	mg/L	59	102	90	110			
Sample ID: C08070627-013AMSD	Sample Matrix Spike Duplicate				Run: TURB-2_080717A			07/17/08 15:19	
Sulfate	4920	mg/L	59	104	90	110	0.8	10	
Method: A4500-SO4 E								Batch: 080731_1_SO4-TURB-W	
Sample ID: LCS-1_080731	Laboratory Control Sample				Run: TURB-2_080731A			07/31/08 09:53	
Sulfate	4610	mg/L	59	96	90	110			
Sample ID: MBLK-1_080731	Method Blank				Run: TURB-2_080731A			07/31/08 09:55	
Sulfate	ND	mg/L	0.6						
Sample ID: C08070897-003AMS	Sample Matrix Spike				Run: TURB-2_080731A			07/31/08 12:38	
Sulfate	1290	mg/L	15	99	90	110			
Sample ID: C08070897-003AMSD	Sample Matrix Spike Duplicate				Run: TURB-2_080731A			07/31/08 12:40	
Sulfate	1300	mg/L	15	101	90	110	0.7	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 09/04/08
Work Order: C08070627

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E1632AM									Batch: H_R47209
Sample ID: MBLK_14r	Method Blank				Run: SUB-H47209				07/31/08 14:48
Arsenic-III	ND	mg/L	0.0003						
Sample ID: AS080731-LCS	Laboratory Control Sample				Run: SUB-H47209				07/31/08 14:57
Arsenic-III	0.0526	mg/L	0.0030	105	90	110			
Sample ID: C08070627-014B	Sample Matrix Spike				Run: SUB-H47209				07/31/08 16:18
Arsenic-III	0.0377	mg/L	0.0030	75	80	120			S
Sample ID: C08070627-014B	Sample Matrix Spike Duplicate				Run: SUB-H47209				07/31/08 16:26
Arsenic-III	0.0382	mg/L	0.0030	76	80	120	1.3	20	S
Sample ID: C08070864-002D	Sample Matrix Spike				Run: SUB-H47209				07/31/08 18:20
Arsenic-III	0.0418	mg/L	0.0030	74	80	120			S
Sample ID: C08070864-002D	Sample Matrix Spike Duplicate				Run: SUB-H47209				07/31/08 18:28
Arsenic-III	0.0432	mg/L	0.0030	76	80	120	3.2	20	S
Sample ID: C08070627-012B	Sample Duplicate				Run: SUB-H47209				07/31/08 15:51
Arsenic-III	ND	mg/L	0.0030				0.0	20	
Method: E1632AM									Batch: H_R47244
Sample ID: MBLK_13r	Method Blank				Run: SUB-H47244				07/30/08 12:58
Arsenic-III	ND	mg/L	0.0003						
Sample ID: AS080730-LCS	Laboratory Control Sample				Run: SUB-H47244				07/30/08 13:06
Arsenic-III	0.0490	mg/L	0.0030	98	90	110			
Sample ID: C08070627-003B	Sample Duplicate				Run: SUB-H47244				07/30/08 14:00
Arsenic-III	ND	mg/L	0.0030				0.0	20	
Sample ID: C08070627-006B	Sample Matrix Spike				Run: SUB-H47244				07/30/08 14:33
Arsenic-III	0.0435	mg/L	0.0030	87	80	120			
Sample ID: C08070627-006B	Sample Matrix Spike Duplicate				Run: SUB-H47244				07/30/08 14:42
Arsenic-III	0.0457	mg/L	0.0030	91	80	120	5.1	20	

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S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 09/04/08
Work Order: C08070627

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: 19155
Sample ID: MB-19155	Method Blank				Run: ICP2-C_080728A				07/28/08 23:02
Aluminum	ND	mg/L	0.002						
Beryllium	ND	mg/L	0.002						
Cadmium	ND	mg/L	0.001						
Cobalt	ND	mg/L	0.003						
Lead	ND	mg/L	0.009						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.007						
Nickel	ND	mg/L	0.005						
Vanadium	0.01	mg/L	0.005						
Sample ID: LCS3-19155	Laboratory Control Sample				Run: ICP2-C_080728A				07/28/08 23:06
Aluminum	2.57	mg/L	0.10	103	85	115			
Beryllium	0.270	mg/L	0.010	108	85	115			
Cadmium	0.271	mg/L	0.010	108	85	115			
Cobalt	0.551	mg/L	0.010	110	85	115			
Lead	0.557	mg/L	0.050	111	85	115			
Manganese	2.67	mg/L	0.010	107	85	115			
Molybdenum	0.535	mg/L	0.10	107	85	115			
Nickel	0.540	mg/L	0.050	108	85	115			
Vanadium	0.532	mg/L	0.10	104	85	115			
Sample ID: C08070719-003CMS3	Sample Matrix Spike				Run: ICP2-C_080728A				07/29/08 01:00
Aluminum	2.48	mg/L	0.10	99	70	130			
Beryllium	0.258	mg/L	0.010	103	70	130			
Cadmium	0.258	mg/L	0.010	103	70	130			
Cobalt	0.522	mg/L	0.010	104	70	130			
Lead	0.538	mg/L	0.050	108	70	130			
Manganese	2.59	mg/L	0.010	103	70	130			
Molybdenum	0.522	mg/L	0.10	104	70	130			
Nickel	0.521	mg/L	0.050	104	70	130			
Vanadium	0.512	mg/L	0.10	102	70	130			
Sample ID: C08070719-003CMSD3	Sample Matrix Spike Duplicate				Run: ICP2-C_080728A				07/29/08 01:04
Aluminum	2.55	mg/L	0.10	101	70	130	2.7	20	
Beryllium	0.261	mg/L	0.010	104	70	130	0.8	20	
Cadmium	0.260	mg/L	0.010	104	70	130	0.7	20	
Cobalt	0.529	mg/L	0.010	106	70	130	1.3	20	
Lead	0.542	mg/L	0.050	108	70	130	0.7	20	
Manganese	2.57	mg/L	0.010	103	70	130	0.5	20	
Molybdenum	0.529	mg/L	0.10	106	70	130	1.3	20	
Nickel	0.523	mg/L	0.050	105	70	130	0.4	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 09/04/08
Work Order: C08070627

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: 19155	
Sample ID: C08070719-003CMSD3	Sample Matrix Spike Duplicate				Run: ICP2-C_080728A			07/29/08 01:04	
Vanadium	0.507	mg/L	0.10	101	70	130	1.0	20	
Method: E200.7								Batch: R105101	
Sample ID: MB-080730A	Method Blank				Run: ICP2-C_080730A			07/30/08 16:59	
Calcium	0.01	mg/L							
Magnesium	-0.001	mg/L							
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Sample ID: LFB-080730A	Laboratory Fortified Blank				Run: ICP2-C_080730A			07/30/08 17:03	
Calcium	50.6	mg/L	0.50	101	85	125			
Magnesium	51.4	mg/L	0.50	103	85	125			
Potassium	46.6	mg/L	0.50	93	85	125			
Sodium	49.5	mg/L	0.77	99	85	125			
Sample ID: C08070268-001EMS2	Sample Matrix Spike				Run: ICP2-C_080730A			07/30/08 17:11	
Calcium	128	mg/L	1.0	101	70	130			
Magnesium	106	mg/L	1.0	104	70	130			
Potassium	96.2	mg/L	1.0	94	70	130			
Sodium	520	mg/L	1.5		70	130			A
Sample ID: C08070268-001EMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_080730A			07/30/08 17:15	
Calcium	127	mg/L	1.0	100	70	130	0.5	20	
Magnesium	106	mg/L	1.0	104	70	130	0.6	20	
Potassium	94.5	mg/L	1.0	92	70	130	1.8	20	
Sodium	513	mg/L	1.5		70	130	1.4	20	A

Qualifiers:

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

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QA/QC Summary Report

Client: United Nuclear Corp
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Report Date: 09/04/08
Work Order: C08070627

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R106793
Sample ID: MB-080829A	Method Blank				Run: ICP2-C_080829A				08/29/08 13:59
Calcium	ND	mg/L	0.1						
Magnesium	ND	mg/L	0.04						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Sample ID: LFB-080829A	Laboratory Fortified Blank				Run: ICP2-C_080829A				08/29/08 14:03
Calcium	52.2	mg/L	0.50	104	85	125			
Magnesium	51.7	mg/L	0.50	103	85	125			
Potassium	44.1	mg/L	0.50	88	85	125			
Sodium	47.6	mg/L	0.77	95	85	125			
Sample ID: C08070627-002GMS2	Sample Matrix Spike				Run: ICP2-C_080829A				08/29/08 14:16
Calcium	1100	mg/L	1.1	96	70	130			
Magnesium	868	mg/L	1.0	96	70	130			
Potassium	435	mg/L	1.0	85	70	130			
Sodium	590	mg/L	7.7	91	70	130			
Sample ID: C08070627-002GMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_080829A				08/29/08 14:20
Calcium	1090	mg/L	1.1	95	70	130	0.6	20	
Magnesium	873	mg/L	1.0	97	70	130	0.6	20	
Potassium	435	mg/L	1.0	85	70	130	0.0	20	
Sodium	592	mg/L	7.7	91	70	130	0.3	20	
Sample ID: C08070627-012GMS2	Sample Matrix Spike				Run: ICP2-C_080829A				08/29/08 15:53
Calcium	1040	mg/L	1.1	99	70	130			
Magnesium	983	mg/L	1.0	98	70	130			
Potassium	454	mg/L	1.0	89	70	130			
Sodium	667	mg/L	7.7	93	70	130			
Sample ID: C08070627-012GMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_080829A				08/29/08 15:57
Calcium	1050	mg/L	1.1	102	70	130	1.6	20	
Magnesium	988	mg/L	1.0	99	70	130	0.5	20	
Potassium	457	mg/L	1.0	89	70	130	0.5	20	
Sodium	676	mg/L	7.7	95	70	130	1.4	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 09/04/08
Work Order: C08070627

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: 19155
Sample ID: MB-19155	Method Blank				Run: ICPMS2-C_080729A				07/29/08 20:24
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	3E-05						
Cobalt	ND	mg/L	2E-05						
Lead	6E-05	mg/L	5E-05						
Nickel	ND	mg/L	6E-05						
Uranium	6E-05	mg/L	3E-05						
Vanadium	0.003	mg/L	6E-05						
Sample ID: LCS3-19155	Laboratory Control Sample				Run: ICPMS2-C_080729A				07/29/08 22:00
Beryllium	0.254	mg/L	0.010	102	85	115			
Cadmium	0.253	mg/L	0.010	101	85	115			
Cobalt	0.510	mg/L	0.010	102	85	115			
Lead	0.518	mg/L	0.050	104	85	115			
Nickel	0.506	mg/L	0.050	101	85	115			
Uranium	0.534	mg/L	0.00032	107	85	115			
Vanadium	0.520	mg/L	0.10	104	85	115			
Sample ID: C08070719-003CMS3	Sample Matrix Spike				Run: ICPMS2-C_080729A				07/30/08 01:02
Beryllium	0.256	mg/L	0.010	103	70	130			
Cadmium	0.251	mg/L	0.010	100	70	130			
Cobalt	0.501	mg/L	0.010	100	70	130			
Lead	0.503	mg/L	0.050	101	70	130			
Nickel	0.493	mg/L	0.050	98	70	130			
Uranium	0.534	mg/L	0.00032	105	70	130			
Vanadium	0.514	mg/L	0.10	102	70	130			
Sample ID: C08070719-003CMSD3	Sample Matrix Spike Duplicate				Run: ICPMS2-C_080729A				07/30/08 01:09
Beryllium	0.240	mg/L	0.010	96	70	130	6.6	20	
Cadmium	0.247	mg/L	0.010	99	70	130	1.6	20	
Cobalt	0.498	mg/L	0.010	100	70	130	0.5	20	
Lead	0.510	mg/L	0.050	102	70	130	1.4	20	
Nickel	0.495	mg/L	0.050	98	70	130	0.3	20	
Uranium	0.537	mg/L	0.00032	106	70	130	0.7	20	
Vanadium	0.512	mg/L	0.10	102	70	130	0.4	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 09/04/08
Work Order: C08070627

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E350.1									Batch: B_R114545
Sample ID: MBLK	Method Blank				Run: SUB-B114545				07/23/08 11:37
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B114545				07/23/08 11:38
Nitrogen, Ammonia as N	1.03	mg/L	0.10	104	90	110			
Sample ID: B08072128-001DMS	Sample Matrix Spike				Run: SUB-B114545				07/23/08 14:14
Nitrogen, Ammonia as N	1.80	mg/L	0.10	91	90	110			
Sample ID: B08072128-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-B114545				07/23/08 14:15
Nitrogen, Ammonia as N	1.80	mg/L	0.10	91	90	110	0.1	10	
Sample ID: C08070627-010E	Sample Matrix Spike				Run: SUB-B114545				07/23/08 11:58
Nitrogen, Ammonia as N	0.747	mg/L	0.10	75	90	110			S
Sample ID: C08070627-010E	Sample Matrix Spike Duplicate				Run: SUB-B114545				07/23/08 11:59
Nitrogen, Ammonia as N	0.763	mg/L	0.10	76	90	110	2.1	10	S
Method: E353.2									Batch: B_R114613
Sample ID: MBLK	Method Blank				Run: SUB-B114613				07/24/08 13:09
Nitrogen, Nitrate+Nitrite as N	0.006	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B114613				07/24/08 13:10
Nitrogen, Nitrate+Nitrite as N	0.985	mg/L	0.050	100	90	110			
Sample ID: B08071730-001BMS	Sample Matrix Spike				Run: SUB-B114613				07/24/08 15:15
Nitrogen, Nitrate+Nitrite as N	1.09	mg/L	0.050	98	90	110			
Sample ID: B08071730-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-B114613				07/24/08 15:16
Nitrogen, Nitrate+Nitrite as N	1.10	mg/L	0.050	98	90	110	0.5	10	

Qualifiers:

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ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 09/04/08
Work Order: C08070627

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2									Batch: B_R114659
Sample ID: MBLK	Method Blank				Run: SUB-B114659				07/25/08 08:52
Nitrogen, Nitrate+Nitrite as N	0.005	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B114659				07/25/08 08:53
Nitrogen, Nitrate+Nitrite as N	0.981	mg/L	0.050	100	90	110			
Sample ID: B08071842-001AMS	Sample Matrix Spike				Run: SUB-B114659				07/25/08 08:59
Nitrogen, Nitrate+Nitrite as N	1.03	mg/L	0.050	100	90	110			
Sample ID: B08071842-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-B114659				07/25/08 09:00
Nitrogen, Nitrate+Nitrite as N	1.02	mg/L	0.050	99	90	110	0.4	10	
Sample ID: B08071639-010EMS	Sample Matrix Spike				Run: SUB-B114659				07/25/08 09:32
Nitrogen, Nitrate+Nitrite as N	174	mg/L	0.16	101	90	110			
Sample ID: B08071639-010EMSD	Sample Matrix Spike Duplicate				Run: SUB-B114659				07/25/08 09:34
Nitrogen, Nitrate+Nitrite as N	175	mg/L	0.16	102	90	110	0.2	10	

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QA/QC Summary Report

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Project: Alluvium

Report Date: 09/04/08
Work Order: C08070627

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R104276
Sample ID: 15-Jul-08_LCS_4	Laboratory Control Sample				Run: GCMS2_080715A				07/15/08 11:00
Bromodichloromethane	9.28	ug/L	1.0	93	70	130			
Bromoform	9.12	ug/L	1.0	91	70	130			
Chlorodibromomethane	9.60	ug/L	1.0	96	70	130			
Chloroform	9.56	ug/L	1.0	96	70	130			
Trihalomethanes, Total	37.6	ug/L	1.0	94	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	98	80	120			
Surr: Dibromofluoromethane			1.0	94	80	120			
Surr: p-Bromofluorobenzene			1.0	97	80	120			
Surr: Toluene-d8			1.0	103	80	120			
Sample ID: 15-Jul-08_MBLK_8	Method Blank				Run: GCMS2_080715A				07/15/08 13:35
Bromodichloromethane	ND	ug/L	0.5						
Bromoform	ND	ug/L	0.5						
Chlorodibromomethane	ND	ug/L	0.5						
Chloroform	ND	ug/L	0.5						
Trihalomethanes, Total	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4				103	80	120			
Surr: Dibromofluoromethane				96	80	120			
Surr: p-Bromofluorobenzene				100	80	120			
Surr: Toluene-d8				96	80	120			
Sample ID: C08070627-016FMS	Sample Matrix Spike				Run: GCMS2_080715A				07/15/08 19:24
Bromodichloromethane	97.6	ug/L	5.0	98	70	130			
Bromoform	96.4	ug/L	5.0	96	70	130			
Chlorodibromomethane	101	ug/L	5.0	101	70	130			
Chloroform	122	ug/L	5.0	122	70	130			
Trihalomethanes, Total	417	ug/L	5.0	104	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	103	80	120			
Surr: Dibromofluoromethane			1.0	120	80	120			
Surr: p-Bromofluorobenzene			1.0	104	80	120			
Surr: Toluene-d8			1.0	100	80	120			
Sample ID: C08070627-016FMSD	Sample Matrix Spike Duplicate				Run: GCMS2_080715A				07/15/08 20:02
Bromodichloromethane	101	ug/L	5.0	101	70	130	3.2	20	
Bromoform	100	ug/L	5.0	100	70	130	3.7	20	
Chlorodibromomethane	104	ug/L	5.0	104	70	130	2.7	20	
Chloroform	115	ug/L	5.0	115	70	130	5.8	20	
Trihalomethanes, Total	420	ug/L	5.0	105	70	130	0.7	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	98	80	120			
Surr: Dibromofluoromethane			1.0	107	80	120			
Surr: p-Bromofluorobenzene			1.0	99	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 09/04/08
Work Order: C08070627

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R104276
Sample ID: C08070627-016FMSD	Sample Matrix Spike Duplicate				Run: GCMS2_080715A				07/15/08 20:02
Surr: Toluene-d8			1.0	100	80	120			
Method: E900.1									Batch: GA-0149
Sample ID: MB-GA-0149	Method Blank				Run: BERTHOLD 770_080731A				08/02/08 14:51
Gross Alpha minus Rn & U	0.6	pCi/L							U
Sample ID: LCS-GA-0149	Laboratory Control Sample				Run: BERTHOLD 770_080731A				08/02/08 14:51
Gross Alpha minus Rn & U	30.8	pCi/L		115	70	130			
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770_080731A				08/02/08 18:12
Gross Alpha minus Rn & U	29.5	pCi/L		110	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080731A				08/02/08 18:12
Gross Alpha minus Rn & U	27.5	pCi/L		103	70	130	6.7	26.5	
Method: E903.0									Batch: RA226-2978
Sample ID: TAP-WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770_080801C				08/12/08 16:45
Radium 226	7.1	pCi/L		92	70	130			
Sample ID: TAP-WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080801C				08/12/08 16:45
Radium 226	7.0	pCi/L		90	70	130	1.4	25.8	
Sample ID: MB-RA226-2978	Method Blank				Run: BERTHOLD 770_080801C				08/12/08 16:45
Radium 226	-0.2	pCi/L							U
Sample ID: LCS-RA226-2978	Laboratory Control Sample				Run: BERTHOLD 770_080801C				08/12/08 16:45
Radium 226	6.9	pCi/L		89	70	130			
Method: E903.0									Batch: RA226-2979
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_080801F				08/12/08 12:59
Radium 226	8.0	pCi/L		96	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080801F				08/12/08 12:59
Radium 226	8.2	pCi/L		99	70	130	2.0	24.3	
Sample ID: MB-RA226-2979	Method Blank				Run: TENNELEC-3_080801F				08/12/08 12:59
Radium 226	0.1	pCi/L							U
Sample ID: LCS-RA226-2979	Laboratory Control Sample				Run: TENNELEC-3_080801F				08/12/08 12:59
Radium 226	7.2	pCi/L		90	70	130			

Qualifiers:

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ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 09/04/08
Work Order: C08070627

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: RA-TH-ISO-0593
Sample ID: LCS-RA-TH-ISO-0593	Laboratory Control Sample				Run: EGG-ORTEC_080805A				08/08/08 23:57
Thorium 230	11.0	pCi/L	0.20	100	70	130			
Sample ID: C08070627-006DMS	Sample Matrix Spike				Run: EGG-ORTEC_080805A				08/10/08 16:38
Thorium 230	102	pCi/L	0.20	106	70	130			
Sample ID: C08070627-006DMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_080805A				08/10/08 12:36
Thorium 230	85.5	pCi/L	0.20	90	70	130	17	30	
Sample ID: MB-RA-TH-ISO-0593	Method Blank				Run: EGG-ORTEC_080805A				08/10/08 12:36
Thorium 230	-0.06	pCi/L							U
Method: E907.0									Batch: RA-TH-ISO-0600
Sample ID: LCS-RA-TH-ISO-0600	Laboratory Control Sample				Run: EGG-ORTEC_080814A				08/20/08 16:59
Thorium 230	9.62	pCi/L	0.20	94	70	130			
Sample ID: C08070869-004EMS	Sample Matrix Spike				Run: EGG-ORTEC_080814A				08/20/08 17:03
Thorium 230	14.6	pCi/L	0.20	90	70	130			
Sample ID: C08070869-004EMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_080814A				08/20/08 17:04
Thorium 230	14.9	pCi/L	0.20	91	70	130	2.0	30	
Sample ID: MB-RA-TH-ISO-0600	Method Blank				Run: EGG-ORTEC_080814A				08/18/08 21:40
Thorium 230	-0.04	pCi/L							U
Method: E909.0M									Batch: R105898
Sample ID: C08070627-009DMS	Sample Matrix Spike				Run: PACKARD 3100TR_080725A				07/25/08 10:35
Lead 210	536	pCi/L		91	70	130			
Sample ID: C08070627-009DMSD	Sample Matrix Spike Duplicate				Run: PACKARD 3100TR_080725A				07/25/08 10:35
Lead 210	382	pCi/L		65	70	130	34	30	SR
- Spike response is outside of the acceptance range for this analysis. Since the MB, LCS, and MS are acceptable the batch is approved.									
Sample ID: C08070627-016DDUP	Sample Duplicate				Run: PACKARD 3100TR_080725A				07/25/08 10:35
Lead 210	-3.30	pCi/L					180	30	UR
Lead 210 MDC	7.80	pCi/L							
- High RPD is irrelevant since both samples are below the MDC.									
Sample ID: MB-R105898	Method Blank				Run: PACKARD 3100TR_080725A				07/25/08 10:35
Lead 210	-3	pCi/L							U
Sample ID: LCS-R105898	Laboratory Control Sample				Run: PACKARD 3100TR_080725A				07/25/08 10:35
Lead 210	134	pCi/L		117	70	130			

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
R - RPD exceeds advisory limit.
S - Spike recovery outside of advisory limits.
U - Not detected at minimum detectable concentration

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 09/04/08
Work Order: C08070627

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05									Batch: RA228-2240
Sample ID: LCS-228-RA226-2978	Laboratory Control Sample				Run: TENNELEC-3_080801A				08/07/08 10:37
Radium 228	9.7	pCi/L		99	70	130			
Sample ID: MB-RA226-2978	Method Blank				Run: TENNELEC-3_080801A				08/07/08 10:37
Radium 228	0.1	pCi/L							U
Sample ID: TAP-WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_080801A				08/07/08 10:37
Radium 228	11	pCi/L		107	70	130			
Sample ID: TAP-WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080801A				08/07/08 10:37
Radium 228	12	pCi/L		119	70	130	10	30.1	
Method: RA-05									Batch: RA228-2241
Sample ID: LCS-228-RA226-2979	Laboratory Control Sample				Run: TENNELEC-3_080801B				08/07/08 13:01
Radium 228	8.5	pCi/L		86	70	130			
Sample ID: MB-RA226-2979	Method Blank				Run: TENNELEC-3_080801B				08/07/08 13:01
Radium 228	0.3	pCi/L							U
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_080801B				08/07/08 13:01
Radium 228	9.1	pCi/L		93	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080801B				08/07/08 13:01
Radium 228	8.2	pCi/L		84	70	130	9.8	35	

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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ANALYTICAL SUMMARY REPORT

November 04, 2008

United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C08070627 Quote ID: C129 - Quarterly Long List

Project Name: Alluvium

Energy Laboratories, Inc. received the following 17 samples for United Nuclear Corp on 7/14/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08070627-001	509-D	07/07/08 09:50	07/14/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity QA Calculations Chloride Arsenic Speciation Selenium-IV, Total Sample Filtering Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics
C08070627-002	EPA-23	07/07/08 10:30	07/14/08	Aqueous	Same As Above
C08070627-003	803	07/07/08 11:05	07/14/08	Aqueous	Same As Above
C08070627-004	808	07/07/08 11:45	07/14/08	Aqueous	Same As Above
C08070627-005	802	07/07/08 12:25	07/14/08	Aqueous	Same As Above
C08070627-006	801	07/07/08 14:15	07/14/08	Aqueous	Same As Above
C08070627-007	GW-2	07/07/08 14:50	07/14/08	Aqueous	Same As Above
C08070627-008	GW-1	07/07/08 15:45	07/14/08	Aqueous	Same As Above
C08070627-009	632	07/07/08 16:20	07/14/08	Aqueous	Same As Above
C08070627-010	624	07/08/08 08:50	07/14/08	Aqueous	Same As Above
C08070627-011	SBL-1	07/08/08 09:45	07/14/08	Aqueous	Same As Above
C08070627-012	EPA-28	07/08/08 10:25	07/14/08	Aqueous	Same As Above
C08070627-013	EPA-28 Duplicate	07/08/08 11:00	07/14/08	Aqueous	Same As Above
C08070627-014	GW-3	07/08/08 13:30	07/14/08	Aqueous	Same As Above
C08070627-015	EPA-25	07/08/08 14:25	07/14/08	Aqueous	Same As Above
C08070627-016	627	07/08/08 15:15	07/14/08	Aqueous	Same As Above
C08070627-017	Field Blank	07/09/08 11:30	07/14/08	Aqueous	Same As Above

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ANALYTICAL SUMMARY REPORT

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

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

Report Approved By:

STEVE CARLSTON

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CLIENT: United Nuclear Corp
Project: Alluvium
Sample Delivery Group: C08070627

Date: 04-Nov-08

CASE NARRATIVE

REVISED/SUPPLEMENTAL REPORT
The attached analytical report has been revised from a previously submitted report due to a request by James Ewart in an email communication dated 11/3/2008 for a correction of U flags on Samples 1, 4, 5, 6, 9, 11, 12, 16 and 17. The data presented here reflects this correction to the samples affected. The laboratory apologizes for any inconvenience this may have caused.

PB210 ANALYSIS
The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of 5 pCi/L if there is sufficient sample to process 1.0 L, and this is reported on a sample specific basis.

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

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.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

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.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
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

CERTFICATIONS:
USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

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

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

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ANALYTICAL SUMMARY REPORT

August 19, 2008

United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C08070632 Quote ID: C129 - Quarterly Long List

Project Name: Zone 1

Energy Laboratories, Inc. received the following 3 samples from United Nuclear Corp on 7/14/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08070632-001	614	07/09/08 08:40	07/14/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity QA Calculations Chloride Arsenic Speciation Selenium-IV, Total Sample Filtering Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Digestion by EPA 200.2 Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics
C08070632-002	515-A	07/09/08 09:30	07/14/08	Aqueous	Same As Above
C08070632-003	604	07/09/08 10:15	07/14/08	Aqueous	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

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

Report Approved By: Kristin Bradley

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Date: 03-Sep-08

CLIENT: United Nuclear Corp
Project: Zone 1
Sample Delivery Group: C08070632

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

PB210 ANALYSIS
The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. This value should not be used for regulatory reporting purposes.

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

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.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

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.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
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eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTFICATIONS:
USEPA: WY00002; FL-DOH NELAC: E87641; Arizona: AZ0699; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:
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ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

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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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 08/19/08
Work Order: C08070632

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: R104362
Sample ID: MBLK-1	Method Blank				Run: MANTECH_080716A				07/16/08 10:21
Alkalinity, Total as CaCO3	ND	mg/L	0.2						
Bicarbonate as HCO3	ND	mg/L	1						
Sample ID: LCS-1	Laboratory Control Sample				Run: MANTECH_080716A				07/16/08 10:28
Alkalinity, Total as CaCO3	199	mg/L	1.0	99	90	110			
Sample ID: C08070627-015AMS	Sample Matrix Spike				Run: MANTECH_080716A				07/16/08 12:41
Alkalinity, Total as CaCO3	1210	mg/L	1.0	96	80	120			
Bicarbonate as HCO3	1480	mg/L	1.1	96	80	120			
Sample ID: C08070627-015AMSD	Sample Matrix Spike Duplicate				Run: MANTECH_080716A				07/16/08 12:48
Alkalinity, Total as CaCO3	1210	mg/L	1.0	97	80	120	0.3	10	
Bicarbonate as HCO3	1480	mg/L	1.1	97	80	120			
Method: A2540 C									Batch: 080715_1_SLDS-TDS-W
Sample ID: MBLK1_080715	Method Blank				Run: BAL-1_080715C				07/15/08 09:58
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: LCS1_080715	Laboratory Control Sample				Run: BAL-1_080715C				07/15/08 09:58
Solids, Total Dissolved TDS @ 180 C	996	mg/L	10	100	90	110			
Sample ID: C08070627-015AMS	Sample Matrix Spike				Run: BAL-1_080715C				07/15/08 14:46
Solids, Total Dissolved TDS @ 180 C	6580	mg/L	10	99	90	110			
Sample ID: C08070627-015AMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080715C				07/15/08 14:47
Solids, Total Dissolved TDS @ 180 C	6600	mg/L	10	100	90	110	0.4	10	
Method: A3114 B									Batch: SE3114-080805B
Sample ID: MBLK	Method Blank				Run: CVAA-C202_080805B				08/05/08 14:47
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-114-6	Laboratory Control Sample				Run: CVAA-C202_080805B				08/05/08 14:49
Selenium-IV	0.0495	mg/L	0.0010	99	90	110			
Sample ID: C08070631-001CMS	Sample Matrix Spike				Run: CVAA-C202_080805B				08/05/08 15:22
Selenium-IV	0.0459	mg/L	0.0010	92	85	115			
Sample ID: C08070631-001CMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_080805B				08/05/08 15:24
Selenium-IV	0.0463	mg/L	0.0010	93	85	115	0.9	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 08/19/08
Work Order: C08070632

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-Cl B								Batch: 080724A-CL-TTR-W	
Sample ID: MBLK9-080724A	Method Blank				Run: TITRATION_080724B			07/24/08 10:22	
Chloride	ND	mg/L	0.4						
Sample ID: C08070632-002AMS	Sample Matrix Spike				Run: TITRATION_080724B			07/24/08 16:25	
Chloride	624	mg/L	1.0	101	90	110			
Sample ID: C08070632-002AMSD	Sample Matrix Spike Duplicate				Run: TITRATION_080724B			07/24/08 16:26	
Chloride	617	mg/L	1.0	99	90	110	1.1	10	
Sample ID: LCS35-080724A	Laboratory Control Sample				Run: TITRATION_080724B			07/24/08 16:27	
Chloride	3510	mg/L	1.0	99	90	110			
Method: A4500-H B								Analytical Run: ORION555A_080715A	
Sample ID: ICV1_080715_1	Initial Calibration Verification Standard							07/15/08 12:09	
pH	6.90	s.u.	0.010	101	98	102			
Method: A4500-H B								Batch: 080715_1_PH-W_555A-1	
Sample ID: C08070632-002ADUP	Sample Duplicate				Run: ORION555A_080715A			07/15/08 12:58	
pH	6.16	s.u.	0.010				1.0	10	
Method: A4500-SO4 E								Batch: 080717_1_SO4-TURB-W	
Sample ID: LCS-1_080717	Laboratory Control Sample				Run: TURB-2_080717A			07/17/08 13:16	
Sulfate	5010	mg/L	59	104	90	110			
Sample ID: MBLK-1_080717	Method Blank				Run: TURB-2_080717A			07/17/08 13:18	
Sulfate	ND	mg/L	0.6						
Sample ID: C08070670-002AMS	Sample Matrix Spike				Run: TURB-2_080717A			07/17/08 16:36	
Sulfate	270	mg/L	2.9	104	90	110			
Sample ID: C08070670-002AMSD	Sample Matrix Spike Duplicate				Run: TURB-2_080717A			07/17/08 16:38	
Sulfate	269	mg/L	2.9	103	90	110	0.5	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 08/19/08
Work Order: C08070632

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E1632AM									Batch: H_R47209
Sample ID: MBLK_14r	Method Blank				Run: SUB-H47209				07/31/08 14:48
Arsenic-III	ND	mg/L	0.0003						
Sample ID: AS080731-LCS	Laboratory Control Sample				Run: SUB-H47209				07/31/08 14:57
Arsenic-III	0.0526	mg/L	0.0030	105	90	110			
Sample ID: C08070627-014B	Sample Matrix Spike				Run: SUB-H47209				07/31/08 16:18
Arsenic-III	0.0377	mg/L	0.0030	75	80	120			S
Sample ID: C08070627-014B	Sample Matrix Spike Duplicate				Run: SUB-H47209				07/31/08 16:26
Arsenic-III	0.0382	mg/L	0.0030	76	80	120	1.3	20	S

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S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 08/19/08
Work Order: C08070632

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: 19156
Sample ID: MB-19156	Method Blank				Run: ICP2-C_080724A				07/24/08 20:09
Calcium	ND	mg/L	0.08						
Magnesium	ND	mg/L	0.08						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.007						
Potassium	ND	mg/L	0.04						
Sodium	ND	mg/L	0.5						
Vanadium	ND	mg/L	0.005						
Sample ID: LCS3-19156	Laboratory Control Sample				Run: ICP2-C_080724A				07/24/08 20:13
Calcium	25.4	mg/L	1.0	102	85	115			
Magnesium	25.5	mg/L	1.0	102	85	115			
Manganese	2.53	mg/L	0.010	101	85	115			
Molybdenum	0.508	mg/L	0.10	102	85	115			
Potassium	25.2	mg/L	1.0	101	85	115			
Sodium	25.5	mg/L	1.0	102	85	115			
Vanadium	0.483	mg/L	0.10	97	85	115			
Sample ID: C08070737-011DMS3	Sample Matrix Spike				Run: ICP2-C_080724A				07/25/08 00:33
Calcium	27.4	mg/L	1.0	108	70	130			
Magnesium	26.7	mg/L	1.0	107	70	130			
Manganese	2.66	mg/L	0.010	106	70	130			
Molybdenum	0.519	mg/L	0.10	104	70	130			
Potassium	26.3	mg/L	1.0	105	70	130			
Sodium	25.0	mg/L	1.1	100	70	130			
Vanadium	0.535	mg/L	0.10	107	70	130			
Sample ID: C08070737-011DMSD3	Sample Matrix Spike Duplicate				Run: ICP2-C_080724A				07/25/08 00:37
Calcium	27.9	mg/L	1.0	110	70	130	2.0	20	
Magnesium	26.8	mg/L	1.0	107	70	130	0.5	20	
Manganese	2.68	mg/L	0.010	107	70	130	0.6	20	
Molybdenum	0.525	mg/L	0.10	105	70	130	1.1	20	
Potassium	26.1	mg/L	1.0	105	70	130	0.8	20	
Sodium	24.7	mg/L	1.1	99	70	130	0.9	20	
Vanadium	0.548	mg/L	0.10	110	70	130	2.4	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 08/19/08
Work Order: C08070632

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: 19156
Sample ID: MB-19156	Method Blank				Run: ICPMS2-C_080729A				07/30/08 01:16
Aluminum	ND	mg/L	0.0002						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	3E-05						
Cobalt	ND	mg/L	2E-05						
Lead	0.005	mg/L	5E-05						
Nickel	8E-05	mg/L	6E-05						
Uranium	ND	mg/L	3E-05						
Vanadium	0.003	mg/L	6E-05						
Sample ID: LCS3-19156	Laboratory Control Sample				Run: ICPMS2-C_080729A				07/30/08 01:22
Aluminum	2.35	mg/L	0.10	94	85	115			
Beryllium	0.247	mg/L	0.010	99	85	115			
Cadmium	0.251	mg/L	0.010	101	85	115			
Cobalt	0.500	mg/L	0.010	100	85	115			
Lead	0.511	mg/L	0.050	101	85	115			
Nickel	0.500	mg/L	0.050	100	85	115			
Uranium	0.527	mg/L	0.00032	105	85	115			
Vanadium	0.514	mg/L	0.10	102	85	115			
Sample ID: C08070737-011DMS3	Sample Matrix Spike				Run: ICPMS2-C_080729A				07/30/08 05:40
Aluminum	2.18	mg/L	0.10	87	70	130			
Beryllium	0.247	mg/L	0.010	99	70	130			
Cadmium	0.249	mg/L	0.010	100	70	130			
Cobalt	0.479	mg/L	0.010	96	70	130			
Lead	0.501	mg/L	0.050	100	70	130			
Nickel	0.488	mg/L	0.050	98	70	130			
Uranium	0.528	mg/L	0.00032	106	70	130			
Vanadium	0.496	mg/L	0.10	99	70	130			
Sample ID: C08070737-011DMSD3	Sample Matrix Spike Duplicate				Run: ICPMS2-C_080729A				07/30/08 05:46
Aluminum	2.09	mg/L	0.10	84	70	130	4.4	20	
Beryllium	0.242	mg/L	0.010	97	70	130	2.1	20	
Cadmium	0.248	mg/L	0.010	99	70	130	0.5	20	
Cobalt	0.479	mg/L	0.010	96	70	130	0.2	20	
Lead	0.499	mg/L	0.050	100	70	130	0.4	20	
Nickel	0.487	mg/L	0.050	97	70	130	0.1	20	
Uranium	0.520	mg/L	0.00032	104	70	130	1.4	20	
Vanadium	0.493	mg/L	0.10	99	70	130	0.7	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 08/19/08
Work Order: C08070632

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E350.1									Batch: B_R114545
Sample ID: MBLK	Method Blank				Run: SUB-B114545				07/23/08 11:37
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B114545				07/23/08 11:38
Nitrogen, Ammonia as N	1.03	mg/L	0.10	104	90	110			
Sample ID: C08070864-001F	Sample Matrix Spike				Run: SUB-B114545				07/23/08 12:39
Nitrogen, Ammonia as N	1.46	mg/L	0.10	68	90	110			S
Sample ID: C08070864-001F	Sample Matrix Spike Duplicate				Run: SUB-B114545				07/23/08 12:40
Nitrogen, Ammonia as N	1.45	mg/L	0.10	67	90	110	0.5	10	S
Method: E350.1									Batch: B_R114917
Sample ID: MBLK	Method Blank				Run: SUB-B114917				07/29/08 15:12
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B114917				07/29/08 15:13
Nitrogen, Ammonia as N	1.02	mg/L	0.10	103	90	110			
Sample ID: B08072714-001DMS	Sample Matrix Spike				Run: SUB-B114917				07/29/08 15:19
Nitrogen, Ammonia as N	1.74	mg/L	0.10	89	90	110			S
Sample ID: B08072714-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-B114917				07/29/08 15:20
Nitrogen, Ammonia as N	1.67	mg/L	0.10	82	90	110	4.3	10	S
Method: E353.2									Batch: B_R114659
Sample ID: MBLK	Method Blank				Run: SUB-B114659				07/25/08 08:52
Nitrogen, Nitrate+Nitrite as N	0.005	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B114659				07/25/08 08:53
Nitrogen, Nitrate+Nitrite as N	0.981	mg/L	0.050	100	90	110			
Sample ID: B08071871-001BMS	Sample Matrix Spike				Run: SUB-B114659				07/25/08 09:16
Nitrogen, Nitrate+Nitrite as N	0.974	mg/L	0.050	99	90	110			
Sample ID: B08071871-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-B114659				07/25/08 09:17
Nitrogen, Nitrate+Nitrite as N	0.970	mg/L	0.050	99	90	110	0.4	10	

Qualifiers:

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ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 08/19/08
Work Order: C08070632

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R104358
Sample ID: 071608_LCS_3	Laboratory Control Sample				Run: SATURNCA_080716E				07/16/08 10:58
Bromodichloromethane	8.08	ug/L	1.0	81	70	130			
Bromoform	8.80	ug/L	1.0	88	70	130			
Chlorodibromomethane	8.96	ug/L	1.0	90	70	130			
Chloroform	8.96	ug/L	1.0	90	70	130			
Trihalomethanes, Total	34.8	ug/L	1.0	87	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	97	80	120			
Surr: Dibromofluoromethane			1.0	99	80	120			
Surr: p-Bromofluorobenzene			1.0	97	80	120			
Surr: Toluene-d8			1.0	95	80	120			
Sample ID: 071608_MBLK_6	Method Blank				Run: SATURNCA_080716E				07/16/08 12:52
Bromodichloromethane	ND	ug/L	0.5						
Bromoform	ND	ug/L	0.5						
Chlorodibromomethane	ND	ug/L	0.5						
Chloroform	ND	ug/L	0.5						
Trihalomethanes, Total	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4				104	80	120			
Surr: Dibromofluoromethane				107	80	120			
Surr: p-Bromofluorobenzene				95	80	120			
Surr: Toluene-d8				92	80	120			
Sample ID: C08070631-001FMS	Sample Matrix Spike				Run: SATURNCA_080716E				07/16/08 21:00
Bromodichloromethane	92.0	ug/L	5.0	92	70	130			
Bromoform	92.0	ug/L	5.0	92	70	130			
Chlorodibromomethane	92.4	ug/L	5.0	92	70	130			
Chloroform	195	ug/L	5.0	97	70	130			
Trihalomethanes, Total	472	ug/L	5.0	93	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	99	80	120			
Surr: Dibromofluoromethane			1.0	98	80	120			
Surr: p-Bromofluorobenzene			1.0	97	80	120			
Surr: Toluene-d8			1.0	98	80	120			
Sample ID: C08070631-001FMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_080716E				07/16/08 21:38
Bromodichloromethane	88.4	ug/L	5.0	88	70	130	4.0	20	
Bromoform	92.0	ug/L	5.0	92	70	130	0.0	20	
Chlorodibromomethane	92.0	ug/L	5.0	92	70	130	0.4	20	
Chloroform	206	ug/L	5.0	108	70	130	5.2	20	
Trihalomethanes, Total	478	ug/L	5.0	95	70	130	1.3	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	105	80	120			
Surr: Dibromofluoromethane			1.0	104	80	120			
Surr: p-Bromofluorobenzene			1.0	100	80	120			

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 08/19/08
Work Order: C08070632

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R104358
Sample ID: C08070631-001FMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_080716E				07/16/08 21:38
Surr: Toluene-d8			1.0	96	80	120			
Method: E900.1									Batch: GA-0148
Sample ID: MB-GA-0148	Method Blank				Run: BERTHOLD 770_080729A				07/31/08 16:16
Gross Alpha minus Rn & U	0.4	pCi/L							U
Sample ID: LCS-GA-0148	Laboratory Control Sample				Run: BERTHOLD 770_080729A				07/31/08 16:16
Gross Alpha minus Rn & U	26.5	pCi/L		99	70	130			
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770_080729A				07/31/08 16:19
Gross Alpha minus Rn & U	22.7	pCi/L		86	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080729A				07/31/08 16:19
Gross Alpha minus Rn & U	22.7	pCi/L		86	70	130	0.2	27.8	
Method: E903.0									Batch: RA226-2973
Sample ID: C08070600-012AMS	Sample Matrix Spike				Run: BERTHOLD 770_080731D				08/11/08 17:38
Radium 226	12	pCi/L		41	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the MB, LCS and the MSD are acceptable the batch is approved.									
Sample ID: C08070600-012AMSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080731D				08/11/08 17:38
Radium 226	27	pCi/L		101	70	130	81	25.1	R
Sample ID: MB-RA226-2973	Method Blank				Run: BERTHOLD 770_080731D				08/11/08 23:20
Radium 226	-0.2	pCi/L							U
Sample ID: LCS-RA226-2973	Laboratory Control Sample				Run: BERTHOLD 770_080731D				08/11/08 23:20
Radium 226	8.3	pCi/L		106	70	130			
Method: E907.0									Batch: RA-TH-ISO-0592
Sample ID: LCS-RA-TH-ISO-0592	Laboratory Control Sample				Run: EGG-ORTEC_080731D				08/10/08 16:42
Thorium 230	6.2	pCi/L	0.20	103	70	130			
Sample ID: C08070547-006HMS	Sample Matrix Spike				Run: EGG-ORTEC_080731D				08/10/08 16:46
Thorium 230	17	pCi/L	0.20	105	70	130			
Sample ID: C08070547-006HMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_080731D				08/10/08 16:47
Thorium 230	16	pCi/L	0.20	98	70	130	7.3	30	
Sample ID: MB-RA-TH-ISO-0592	Method Blank				Run: EGG-ORTEC_080731D				08/08/08 23:51
Thorium 230	-0.05	pCi/L							U

Qualifiers:

RL - Analyte reporting limit.
R - RPD exceeds advisory limit.
U - Not detected at minimum detectable concentration
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 08/19/08
Work Order: C08070632

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: R105993
Sample ID: C08070632-002DMS	Sample Matrix Spike				Run: PACKARD 3100TR_080728C				07/28/08 08:15
Lead 210	740	pCi/L		125	70	130			
Sample ID: C08070632-002DMSD	Sample Matrix Spike Duplicate				Run: PACKARD 3100TR_080728C				07/28/08 08:15
Lead 210	680	pCi/L		114	70	130	9.0	30	
Sample ID: C08070864-009EDUP	Sample Duplicate				Run: PACKARD 3100TR_080728C				07/28/08 08:15
Lead 210	2.7	pCi/L					40	30	R
Lead 210 MDC	11	pCi/L							
- RPD is above limits but both samples are below the MDC.									
Sample ID: MB-R105993	Method Blank				Run: PACKARD 3100TR_080728C				07/28/08 08:15
Lead 210	-2	pCi/L							U
Sample ID: LCS-R105993	Laboratory Control Sample				Run: PACKARD 3100TR_080728C				07/28/08 08:15
Lead 210	120	pCi/L		100	70	130			
Method: RA-05									Batch: RA228-2237
Sample ID: LCS-228-RA226-2973	Laboratory Control Sample				Run: TENNELEC-3_080731B				08/05/08 10:40
Radium 228	7.9	pCi/L		85	70	130			
Sample ID: MB-RA226-2973	Method Blank				Run: TENNELEC-3_080731B				08/05/08 10:40
Radium 228	-0.3	pCi/L							U
Sample ID: C08070600-015AMS	Sample Matrix Spike				Run: TENNELEC-3_080731B				08/05/08 10:40
Radium 228	28	pCi/L		85	70	130			
Sample ID: C08070600-015AMSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080731B				08/05/08 10:40
Radium 228	27	pCi/L		83	70	130	2.6	33.5	

Qualifiers:

RL - Analyte reporting limit.
R - RPD exceeds advisory limit.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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ANALYTICAL SUMMARY REPORT

September 02, 2008

United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C08070869 Quote ID: C129 - Quarterly Long List

Project Name: Zone 1

Energy Laboratories, Inc. received the following 7 samples from United Nuclear Corp on 7/18/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08070869-001	EPA-7	07/14/08 08:50	07/18/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity QA Calculations Chloride Arsenic Speciation Selenium-IV, Total Sample Filtering Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics
C08070869-002	EPA-5	07/14/08 09:45	07/18/08	Aqueous	Same As Above
C08070869-003	EPA-4	07/14/08 10:30	07/18/08	Aqueous	Same As Above
C08070869-004	EPA-2	07/14/08 11:25	07/18/08	Aqueous	Same As Above
C08070869-005	EPA-2 Duplicate	07/14/08 12:05	07/18/08	Aqueous	Same As Above
C08070869-006	TWQ-142	07/15/08 08:45	07/18/08	Aqueous	Same As Above

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C08070869-007	Field Blank	07/15/08 17:30 07/18/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity Chloride Arsenic Speciation Selenium-IV, Total Sample Filtering Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

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

Report Approved By: Kristen Bradley

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Date: 03-Sep-08

CLIENT: United Nuclear Corp
Project: Zone 1
Sample Delivery Group: C08070869

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

PB210 ANALYSIS
The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. This value should not be used for regulatory reporting purposes.

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

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.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

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.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
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

CERTFICATIONS:
USEPA: WY00002; FL-DOH NELAC: E87641; Arizona: AZ0699; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

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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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 09/02/08
Work Order: C08070869

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: R104601
Sample ID: MBLK	Method Blank				Run: MANTECH_080721A				07/21/08 20:48
Alkalinity, Total as CaCO3	ND	mg/L	0.2						
Bicarbonate as HCO3	ND	mg/L	1						
Sample ID: LCS	Laboratory Control Sample				Run: MANTECH_080721A				07/21/08 20:56
Alkalinity, Total as CaCO3	199	mg/L	1.0	99	90	110			
Sample ID: C08070869-006AMS	Sample Matrix Spike				Run: MANTECH_080721A				07/21/08 23:36
Alkalinity, Total as CaCO3	588	mg/L	1.0	99	80	120			
Sample ID: C08070869-006AMSD	Sample Matrix Spike Duplicate				Run: MANTECH_080721A				07/21/08 23:43
Alkalinity, Total as CaCO3	596	mg/L	1.0	101	80	120	1.5	10	
Method: A2540 C									Batch: 080721_1_SLDS-TDS-W
Sample ID: MBLK1_080721	Method Blank				Run: BAL-1_080721A				07/21/08 08:59
Solids, Total Dissolved TDS @ 180 C	7	mg/L	6						
Sample ID: LCS1_080721	Laboratory Control Sample				Run: BAL-1_080721A				07/21/08 08:59
Solids, Total Dissolved TDS @ 180 C	1000	mg/L	10	99	90	110			
Sample ID: C08070844-001AMS	Sample Matrix Spike				Run: BAL-1_080721A				07/21/08 08:59
Solids, Total Dissolved TDS @ 180 C	2100	mg/L	10	100	90	110			
Sample ID: C08070844-001AMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080721A				07/21/08 08:59
Solids, Total Dissolved TDS @ 180 C	2090	mg/L	10	99	90	110	0.7	10	
Method: A2540 C									Batch: 080721_2_SLDS-TDS-W
Sample ID: MBLK1_080721	Method Blank				Run: BAL-1_080721B				07/21/08 16:15
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: LCS1_080721	Laboratory Control Sample				Run: BAL-1_080721B				07/21/08 16:15
Solids, Total Dissolved TDS @ 180 C	1030	mg/L	10	103	90	110			
Sample ID: C08070864-011BMS	Sample Matrix Spike				Run: BAL-1_080721B				07/21/08 16:27
Solids, Total Dissolved TDS @ 180 C	8720	mg/L	10	103	90	110			
Sample ID: C08070864-011BMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080721B				07/21/08 16:27
Solids, Total Dissolved TDS @ 180 C	8690	mg/L	10	102	90	110	0.4	10	

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: Zone 1

Report Date: 09/02/08
Work Order: C08070869

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: SE3114-080807A	
Sample ID: MBLK	Method Blank				Run: CVAA-C202_080807A			08/07/08 08:47	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-114-6	Laboratory Control Sample				Run: CVAA-C202_080807A			08/07/08 08:50	
Selenium-IV	0.0517	mg/L	0.0010	103	90	110			
Sample ID: C08070869-007DMS	Sample Matrix Spike				Run: CVAA-C202_080807A			08/07/08 09:57	
Selenium-IV	0.0484	mg/L	0.0010	97	85	115			
Sample ID: C08070869-007DMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_080807A			08/07/08 09:59	
Selenium-IV	0.0496	mg/L	0.0010	99	85	115	2.5	10	
Method: A4500-Cl B								Batch: 080725A-CL-TTR-W	
Sample ID: MBLK9-080725A	Method Blank				Run: TITRATION_080725A			07/25/08 10:11	
Chloride	ND	mg/L	0.4						
Sample ID: LCS35-080725A	Laboratory Control Sample				Run: TITRATION_080725A			07/25/08 12:49	
Chloride	3580	mg/L	1.0	101	90	110			
Sample ID: C08070864-010AMS	Sample Matrix Spike				Run: TITRATION_080725A			07/25/08 13:46	
Chloride	120	mg/L	1.0	102	90	110			
Sample ID: C08070864-010AMSD	Sample Matrix Spike Duplicate				Run: TITRATION_080725A			07/25/08 13:47	
Chloride	120	mg/L	1.0	102	90	110	0.0	10	
Method: A4500-H B								Analytical Run: ORION555A_080721B	
Sample ID: ICV1_080721_1	Initial Calibration Verification Standard							07/21/08 10:50	
pH	6.91	s.u.	0.010	101	98	102			
Method: A4500-H B								Batch: 080721_1_PH-W_555A-2	
Sample ID: C08070876-003ADUP	Sample Duplicate				Run: ORION555A_080721B			07/21/08 11:18	
pH	7.74	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: 09/02/08
Work Order: C08070869

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-SO4 E								Batch: 080724_1_SO4-TURB-W	
Sample ID: LCS-1_080724	Laboratory Control Sample				Run: TURB-2_080724A			07/24/08 10:35	
Sulfate	5060	mg/L	59	105	90	110			
Sample ID: MBLK-1_080724	Method Blank				Run: TURB-2_080724A			07/24/08 10:37	
Sulfate	ND	mg/L	0.6						
Sample ID: C08070869-005AMS	Sample Matrix Spike				Run: TURB-2_080724A			07/24/08 12:15	
Sulfate	2730	mg/L	30	105	90	110			
Sample ID: C08070869-005AMSD	Sample Matrix Spike Duplicate				Run: TURB-2_080724A			07/24/08 12:15	
Sulfate	2710	mg/L	30	103	90	110	0.5	10	
Method: E1632AM								Batch: H_R47217	
Sample ID: MBLK_13r	Method Blank				Run: SUB-H47217			08/01/08 10:28	
Arsenic-III	ND	mg/L	0.0003						
Sample ID: AS080801-LCS	Laboratory Control Sample				Run: SUB-H47217			08/01/08 10:37	
Arsenic-III	0.0517	mg/L	0.0030	103	90	110			
Sample ID: C08070869-001D	Sample Matrix Spike				Run: SUB-H47217			08/01/08 11:57	
Arsenic-III	0.0468	mg/L	0.0030	94	80	120			
Sample ID: C08070869-001D	Sample Matrix Spike Duplicate				Run: SUB-H47217			08/01/08 12:06	
Arsenic-III	0.0479	mg/L	0.0030	96	80	120	2.3	20	
Method: E1632AM								Batch: H_R47330	
Sample ID: MBLK_13r	Method Blank				Run: SUB-H47330			08/06/08 10:26	
Arsenic-III	ND	mg/L	0.0003						
Sample ID: AS080806-LCS	Laboratory Control Sample				Run: SUB-H47330			08/06/08 10:35	
Arsenic-III	0.0526	mg/L	0.0030	105	90	110			
Sample ID: C08070869-006D	Sample Matrix Spike				Run: SUB-H47330			08/06/08 11:23	
Arsenic-III	0.0513	mg/L	0.0030	100	80	120			
Sample ID: C08070869-006D	Sample Matrix Spike Duplicate				Run: SUB-H47330			08/06/08 11:32	
Arsenic-III	0.0498	mg/L	0.0030	97	80	120	3.0	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: Zone 1

Report Date: 09/02/08
Work Order: C08070869

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: 19199
Sample ID: MB-19199	Method Blank				Run: ICP2-C_080724A				07/25/08 00:53
Aluminum	ND	mg/L	0.002						
Beryllium	ND	mg/L	0.002						
Cadmium	ND	mg/L	0.001						
Cobalt	ND	mg/L	0.003						
Lead	ND	mg/L	0.009						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.007						
Nickel	ND	mg/L	0.005						
Vanadium	ND	mg/L	0.005						
Sample ID: LCS3-19199	Laboratory Control Sample				Run: ICP2-C_080724A				07/25/08 00:57
Aluminum	2.68	mg/L	0.10	107	85	115			
Beryllium	0.261	mg/L	0.010	104	85	115			
Cadmium	0.260	mg/L	0.010	104	85	115			
Cobalt	0.518	mg/L	0.010	104	85	115			
Lead	0.538	mg/L	0.050	108	85	115			
Manganese	2.61	mg/L	0.010	104	85	115			
Molybdenum	0.520	mg/L	0.10	104	85	115			
Nickel	0.514	mg/L	0.050	103	85	115			
Vanadium	0.531	mg/L	0.10	106	85	115			
Sample ID: C08070865-002BMS3	Sample Matrix Spike				Run: ICP2-C_080724A				07/25/08 01:58
Aluminum	10.9	mg/L	0.10	82	70	130			
Beryllium	0.251	mg/L	0.010	100	70	130			
Cadmium	0.248	mg/L	0.010	99	70	130			
Cobalt	0.498	mg/L	0.010	99	70	130			
Lead	0.534	mg/L	0.050	103	70	130			
Manganese	2.96	mg/L	0.010	98	70	130			
Molybdenum	0.500	mg/L	0.10	100	70	130			
Nickel	0.504	mg/L	0.050	98	70	130			
Vanadium	0.513	mg/L	0.10	103	70	130			
Sample ID: C08070865-002BMSD3	Sample Matrix Spike Duplicate				Run: ICP2-C_080724A				07/25/08 02:02
Aluminum	10.5	mg/L	0.10	67	70	130	3.7	20	S
Beryllium	0.257	mg/L	0.010	103	70	130	2.4	20	
Cadmium	0.258	mg/L	0.010	103	70	130	4.0	20	
Cobalt	0.515	mg/L	0.010	102	70	130	3.4	20	
Lead	0.541	mg/L	0.050	105	70	130	1.3	20	
Manganese	3.05	mg/L	0.010	102	70	130	2.7	20	
Molybdenum	0.509	mg/L	0.10	102	70	130	1.8	20	
Nickel	0.518	mg/L	0.050	101	70	130	2.7	20	

Qualifiers:

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ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 09/02/08
Work Order: C08070869

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: 19199
Sample ID: C08070865-002BMSD3	Sample Matrix Spike Duplicate				Run: ICP2-C_080724A				07/25/08 02:02
Vanadium	0.538	mg/L	0.10	108	70	130	4.8	20	
Method: E200.7									Batch: R104966
Sample ID: MB-080728A	Method Blank				Run: ICP2-C_080728A				07/28/08 16:33
Calcium	ND	mg/L	0.1						
Magnesium	ND	mg/L	0.04						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Sample ID: LFB-080728A	Laboratory Fortified Blank				Run: ICP2-C_080728A				07/28/08 16:37
Calcium	52.6	mg/L	0.50	105	85	125			
Magnesium	52.1	mg/L	0.50	104	85	125			
Potassium	46.5	mg/L	0.50	93	85	125			
Sodium	49.8	mg/L	0.77	100	85	125			
Sample ID: C08070869-001CMS2	Sample Matrix Spike				Run: ICP2-C_080728A				07/28/08 17:58
Calcium	974	mg/L	1.1	102	70	130			
Magnesium	1400	mg/L	1.0	102	70	130			
Potassium	467	mg/L	1.0	92	70	130			
Sodium	821	mg/L	7.7	96	70	130			
Sample ID: C08070869-001CMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_080728A				07/28/08 18:02
Calcium	967	mg/L	1.1	100	70	130	0.7	20	
Magnesium	1400	mg/L	1.0	103	70	130	0.1	20	
Potassium	461	mg/L	1.0	91	70	130	1.4	20	
Sodium	833	mg/L	7.7	98	70	130	1.5	20	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 09/02/08
Work Order: C08070869

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: 19199	
Sample ID: MB-19199	Method Blank				Run: ICPMS4-C_080723A			07/23/08 20:04	
Uranium	0.0004	mg/L	3E-05						
Sample ID: LCS3-19199	Laboratory Control Sample				Run: ICPMS4-C_080723A			07/23/08 20:11	
Uranium	0.518	mg/L	0.00030	103	85	115			
Sample ID: MB-19199	Method Blank				Run: ICPMS4-C_080801A			08/01/08 17:38	
Beryllium	ND	mg/L	2E-05						
Cadmium	7E-06	mg/L	5E-06						
Cobalt	0.0004	mg/L	9E-05						
Lead	2E-05	mg/L	2E-05						
Nickel	0.0002	mg/L	2E-05						
Sample ID: LCS3-19199	Laboratory Control Sample				Run: ICPMS4-C_080801A			08/01/08 17:45	
Beryllium	0.278	mg/L	0.0010	111	85	115			
Cadmium	0.267	mg/L	0.0010	107	85	115			
Cobalt	0.536	mg/L	0.0010	107	85	115			
Lead	0.521	mg/L	0.0010	104	85	115			
Nickel	0.541	mg/L	0.0010	108	85	115			
Sample ID: C08070865-002BMS3	Sample Matrix Spike				Run: ICPMS4-C_080801A			08/01/08 18:38	
Beryllium	0.261	mg/L	0.0010	104	70	130			
Cadmium	0.287	mg/L	0.0010	115	70	130			
Cobalt	0.550	mg/L	0.0010	109	70	130			
Lead	0.568	mg/L	0.0010	110	70	130			
Nickel	0.566	mg/L	0.0010	110	70	130			
Uranium	0.569	mg/L	0.00030	57	70	130			S
Sample ID: C08070865-002BMSD3	Sample Matrix Spike Duplicate				Run: ICPMS4-C_080801A			08/01/08 18:45	
Beryllium	0.246	mg/L	0.0010	98	70	130	6.2	20	
Cadmium	0.272	mg/L	0.0010	109	70	130	5.3	20	
Cobalt	0.520	mg/L	0.0010	103	70	130	5.5	20	
Lead	0.539	mg/L	0.0010	104	70	130	5.2	20	
Nickel	0.554	mg/L	0.0010	108	70	130	2.2	20	
Uranium	0.535	mg/L	0.00030	53	70	130	6.1	20	S

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 09/02/08
Work Order: C08070869

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E350.1									Batch: B_R114545
Sample ID: MBLK	Method Blank				Run: SUB-B114545				07/23/08 11:37
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B114545				07/23/08 11:38
Nitrogen, Ammonia as N	1.03	mg/L	0.10	104	90	110			
Sample ID: C08070899-006C	Sample Matrix Spike				Run: SUB-B114545				07/23/08 13:59
Nitrogen, Ammonia as N	1.01	mg/L	0.10	101	90	110			
Sample ID: C08070899-006C	Sample Matrix Spike Duplicate				Run: SUB-B114545				07/23/08 14:00
Nitrogen, Ammonia as N	1.01	mg/L	0.10	101	90	110	0.1	10	
Method: E350.1									Batch: B_R114782
Sample ID: MBLK	Method Blank				Run: SUB-B114782				07/28/08 12:40
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B114782				07/28/08 12:42
Nitrogen, Ammonia as N	1.01	mg/L	0.10	102	90	110			
Sample ID: B08072609-002CMS	Sample Matrix Spike				Run: SUB-B114782				07/28/08 14:34
Nitrogen, Ammonia as N	5.49	mg/L	0.10	111	90	110			S
Sample ID: B08072609-002CMSD	Sample Matrix Spike Duplicate				Run: SUB-B114782				07/28/08 14:35
Nitrogen, Ammonia as N	5.40	mg/L	0.10	103	90	110	1.5	10	
Method: E353.2									Batch: B_R114808
Sample ID: MBLK	Method Blank				Run: SUB-B114808				07/28/08 14:54
Nitrogen, Nitrate+Nitrite as N	0.005	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B114808				07/28/08 14:56
Nitrogen, Nitrate+Nitrite as N	1.01	mg/L	0.050	102	90	110			
Sample ID: C08070869-007F	Sample Matrix Spike				Run: SUB-B114808				07/28/08 15:35
Nitrogen, Nitrate+Nitrite as N	0.997	mg/L	0.050	99	90	110			
Sample ID: C08070869-007F	Sample Matrix Spike Duplicate				Run: SUB-B114808				07/28/08 15:36
Nitrogen, Nitrate+Nitrite as N	0.992	mg/L	0.050	99	90	110	0.5	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 09/02/08
Work Order: C08070869

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R104585
Sample ID: 072108_LCS_3	Laboratory Control Sample				Run: SATURNCA_080721A				07/21/08 10:04
Bromodichloromethane	4.20	ug/L	1.0	84	70	130			
Bromoform	3.96	ug/L	1.0	79	70	130			
Chlorodibromomethane	3.92	ug/L	1.0	78	70	130			
Chloroform	4.52	ug/L	1.0	90	70	130			
Trihalomethanes, Total	16.6	ug/L	1.0	83	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	98	80	120			
Surr: Dibromofluoromethane			1.0	97	80	120			
Surr: p-Bromofluorobenzene			1.0	95	80	120			
Surr: Toluene-d8			1.0	95	80	120			
Sample ID: 072108_MBLK_6	Method Blank				Run: SATURNCA_080721A				07/21/08 11:59
Bromodichloromethane	ND	ug/L	0.5						
Bromoform	ND	ug/L	0.5						
Chlorodibromomethane	ND	ug/L	0.5						
Chloroform	ND	ug/L	0.5						
Trihalomethanes, Total	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4				102	80	120			
Surr: Dibromofluoromethane				98	80	120			
Surr: p-Bromofluorobenzene				94	80	120			
Surr: Toluene-d8				93	80	120			
Sample ID: C08070869-001GMS	Sample Matrix Spike				Run: SATURNCA_080721A				07/21/08 17:41
Bromodichloromethane	89.2	ug/L	5.0	89	70	130			
Bromoform	92.8	ug/L	5.0	93	70	130			
Chlorodibromomethane	94.4	ug/L	5.0	94	70	130			
Chloroform	99.6	ug/L	5.0	100	70	130			
Trihalomethanes, Total	376	ug/L	5.0	94	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	97	80	120			
Surr: Dibromofluoromethane			1.0	99	80	120			
Surr: p-Bromofluorobenzene			1.0	99	80	120			
Surr: Toluene-d8			1.0	96	80	120			
Sample ID: C08070869-001GMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_080721A				07/21/08 18:19
Bromodichloromethane	81.6	ug/L	5.0	82	70	130	8.9	20	
Bromoform	83.2	ug/L	5.0	83	70	130	11	20	
Chlorodibromomethane	84.8	ug/L	5.0	85	70	130	11	20	
Chloroform	92.0	ug/L	5.0	92	70	130	7.9	20	
Trihalomethanes, Total	342	ug/L	5.0	85	70	130	9.6	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	103	80	120			
Surr: Dibromofluoromethane			1.0	106	80	120			
Surr: p-Bromofluorobenzene			1.0	100	80	120			

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 09/02/08
Work Order: C08070869

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R104585
Sample ID: C08070869-001GMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_080721A				07/21/08 18:19
Surr: Toluene-d8			1.0	96	80	120			
Method: E900.1									Batch: GA-0148
Sample ID: MB-GA-0148	Method Blank				Run: BERTHOLD 770_080729A				07/31/08 16:16
Gross Alpha minus Rn & U	0.4	pCi/L							U
Sample ID: LCS-GA-0148	Laboratory Control Sample				Run: BERTHOLD 770_080729A				07/31/08 16:16
Gross Alpha minus Rn & U	26.5	pCi/L		99	70	130			
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770_080729A				07/31/08 16:19
Gross Alpha minus Rn & U	22.7	pCi/L		86	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080729A				07/31/08 16:19
Gross Alpha minus Rn & U	22.7	pCi/L		86	70	130	0.2	27.8	
Method: E903.0									Batch: RA226-2994
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_080808G				08/26/08 17:11
Radium 226	8.4	pCi/L		104	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080808G				08/26/08 17:11
Radium 226	8.6	pCi/L		106	70	130	2.2	22.1	
Sample ID: MB-RA226-2994	Method Blank				Run: TENNELEC-3_080808G				08/26/08 17:11
Radium 226	0.2	pCi/L							
Sample ID: LCS-RA226-2994	Laboratory Control Sample				Run: TENNELEC-3_080808G				08/26/08 17:11
Radium 226	7.9	pCi/L		97	70	130			
Method: E903.0									Batch: RA226-2995
Sample ID: C08070875-001AMS	Sample Matrix Spike				Run: TENNELEC-3_080808F				08/26/08 08:40
Radium 226	26	pCi/L		99	70	130			
Sample ID: C08070875-001AMSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080808F				08/26/08 08:40
Radium 226	21	pCi/L		80	70	130	20	23	
Sample ID: MB-RA226-2995	Method Blank				Run: TENNELEC-3_080808F				08/26/08 08:40
Radium 226	0.2	pCi/L							
Sample ID: LCS-RA226-2995	Laboratory Control Sample				Run: TENNELEC-3_080808F				08/26/08 08:40
Radium 226	7.4	pCi/L		91	70	130			

Qualifiers:

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U - Not detected at minimum detectable concentration

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 09/02/08
Work Order: C08070869

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: RA-TH-ISO-0600
Sample ID: LCS-RA-TH-ISO-0600	Laboratory Control Sample				Run: EGG-ORTEC_080814A				08/20/08 16:59
Thorium 230	9.62	pCi/L	0.20	94	70	130			
Sample ID: C08070869-004EMS	Sample Matrix Spike				Run: EGG-ORTEC_080814A				08/20/08 17:03
Thorium 230	14.6	pCi/L	0.20	90	70	130			
Sample ID: C08070869-004EMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_080814A				08/20/08 17:04
Thorium 230	14.9	pCi/L	0.20	91	70	130	2.0	30	
Sample ID: MB-RA-TH-ISO-0600	Method Blank				Run: EGG-ORTEC_080814A				08/18/08 21:40
Thorium 230	-0.04	pCi/L							U
Method: E909.0M									Batch: R105965
Sample ID: C08070737-003HMS	Sample Matrix Spike				Run: PACKARD 3100TR_080725B				07/25/08 11:45
Lead 210	510	pCi/L		88	70	130			
Sample ID: C08070737-003HMSD	Sample Matrix Spike Duplicate				Run: PACKARD 3100TR_080725B				07/25/08 11:45
Lead 210	560	pCi/L		95	70	130	8.0	30	
Sample ID: C08070737-006HDUP	Sample Duplicate				Run: PACKARD 3100TR_080725B				07/25/08 11:45
Lead 210	-3.1	pCi/L					43	30	R
Lead 210 MDC	9.2	pCi/L							
- RPD is above limits but both samples are below the MDC.									
Sample ID: MB-R105965	Method Blank				Run: PACKARD 3100TR_080725B				07/25/08 11:45
Lead 210	-1	pCi/L							U
Sample ID: LCS-R105965	Laboratory Control Sample				Run: PACKARD 3100TR_080725B				07/25/08 11:45
Lead 210	130	pCi/L		110	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: Zone 1

Report Date: 09/02/08
Work Order: C08070869

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: R106578
Sample ID: C08070869-003EMS	Sample Matrix Spike				Run: PACKARD 3100TR_080811B				08/11/08 10:51
Lead 210	600	pCi/L		102	70	130			
Sample ID: C08070869-003EMSD	Sample Matrix Spike Duplicate				Run: PACKARD 3100TR_080811B				08/11/08 10:51
Lead 210	540	pCi/L		92	70	130	10	30	
Sample ID: C08071003-001JDUP	Sample Duplicate				Run: PACKARD 3100TR_080811B				08/11/08 10:51
Lead 210	4.6	pCi/L					71	30	UR
- Original sample and Duplicate are both below the MDC.									
Sample ID: MB-R106578	Method Blank				Run: PACKARD 3100TR_080811B				08/11/08 10:51
Lead 210	6	pCi/L							U
Sample ID: LCS-R106578	Laboratory Control Sample				Run: PACKARD 3100TR_080811B				08/11/08 10:51
Lead 210	100	pCi/L		83	70	130			
Method: RA-05									Batch: RA228-2249
Sample ID: LCS-228-RA226-2994	Laboratory Control Sample				Run: TENNELEC-3_080808D				08/19/08 08:46
Radium 228	9.9	pCi/L		103	70	130			
Sample ID: MB-RA226-2994	Method Blank				Run: TENNELEC-3_080808D				08/19/08 08:46
Radium 228	0.1	pCi/L							U
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_080808D				08/19/08 08:46
Radium 228	11	pCi/L		98	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080808D				08/19/08 08:46
Radium 228	10	pCi/L		97	70	130	1.2	30.3	
Method: RA-05									Batch: RA228-2250
Sample ID: LCS-228-RA226-2995	Laboratory Control Sample				Run: TENNELEC-3_080808E				08/19/08 11:01
Radium 228	9.4	pCi/L		97	70	130			
Sample ID: MB-RA226-2995	Method Blank				Run: TENNELEC-3_080808E				08/19/08 11:01
Radium 228	0.08pCi/L								U
Sample ID: C08070875-002AMS	Sample Matrix Spike				Run: TENNELEC-3_080808E				08/19/08 11:01
Radium 228	30	pCi/L		90	70	130			
Sample ID: C08070875-002AMSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080808E				08/19/08 11:01
Radium 228	30	pCi/L		93	70	130	1.7	31.1	

Qualifiers:

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ND - Not detected at the reporting limit.
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ANALYTICAL SUMMARY REPORT

November 04, 2008

United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C08070869 Quote ID: C129 - Quarterly Long List

Project Name: Zone 1

Energy Laboratories, Inc. received the following 7 samples for United Nuclear Corp on 7/18/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08070869-001	EPA-7	07/14/08 08:50	07/18/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity QA Calculations Chloride Arsenic Speciation Selenium-IV, Total Sample Filtering Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics
C08070869-002	EPA-5	07/14/08 09:45	07/18/08	Aqueous	Same As Above
C08070869-003	EPA-4	07/14/08 10:30	07/18/08	Aqueous	Same As Above
C08070869-004	EPA-2	07/14/08 11:25	07/18/08	Aqueous	Same As Above
C08070869-005	EPA-2 Duplicate	07/14/08 12:05	07/18/08	Aqueous	Same As Above
C08070869-006	TWQ-142	07/15/08 08:45	07/18/08	Aqueous	Same As Above
C08070869-007	Field Blank	07/15/08 17:30	07/18/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity Chloride Arsenic Speciation Selenium-IV, Total Sample Filtering Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics

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ANALYTICAL SUMMARY REPORT

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

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

Report Approved By: STEVE CARLSTON

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CLIENT: United Nuclear Corp
Project: Zone 1
Sample Delivery Group: C08070869

Date: 04-Nov-08

CASE NARRATIVE

REVISED/SUPPLEMENTAL REPORT
The attached analytical report has been revised from a previously submitted report due to a request by James Ewart in an email communication dated 11/3/2008 for a correction of U flags on Sample 1. The data presented here reflects this correction to the sample affected. The laboratory apologizes for any inconvenience this may have caused.

PB210 ANALYSIS
The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. This value should not be used for regulatory reporting purposes.

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

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.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

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.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
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

CERTFICATIONS:
USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

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

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

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ANALYTICAL SUMMARY REPORT

September 05, 2008

United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C08070864 Quote ID: C129 - Quarterly Long List

Project Name: Zone 3

Energy Laboratories, Inc. received the following 11 samples from United Nuclear Corp on 7/18/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08070864-001	708	07/14/08 14:05	07/18/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity QA Calculations Chloride Arsenic Speciation Selenium-IV, Total Sample Filtering Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics
C08070864-002	711	07/14/08 14:45	07/18/08	Aqueous	Same As Above
C08070864-003	711 Duplicate	07/14/08 15:20	07/18/08	Aqueous	Same As Above
C08070864-004	EPA-13	07/14/08 16:05	07/18/08	Aqueous	Same As Above
C08070864-005	517	07/15/08 09:35	07/18/08	Aqueous	Same As Above
C08070864-006	EPA-14	07/15/08 10:15	07/18/08	Aqueous	Same As Above
C08070864-007	717	07/15/08 10:50	07/18/08	Aqueous	Same As Above
C08070864-008	420	07/15/08 11:30	07/18/08	Aqueous	Same As Above
C08070864-009	NBL-1	07/15/08 13:30	07/18/08	Aqueous	Same As Above
C08070864-010	719	07/15/08 15:35	07/18/08	Aqueous	Same As Above
C08070864-011	504-B	07/15/08 16:15	07/18/08	Aqueous	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

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

Report Approved By: STEVE CARLSTON

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Date: 05-Sep-08

CLIENT: United Nuclear Corp
Project: Zone 3
Sample Delivery Group: C08070864

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

ANALYTICAL COMMENTS
The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of 5 pCi/L if there is sufficient sample to process 1.0 L, and this is reported on a sample specific basis.

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

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.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

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.

BRANCH LABORATORY LOCATIONS
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eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTFICATIONS:
USEPA: WY00002; FL-DOH NELAC: E87641; Arizona: AZ0699; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

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The results of this Analytical Report relate only to the items submitted for analysis.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 09/05/08
Work Order: C08070864

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: R104601
Sample ID: MBLK	Method Blank				Run: MANTECH_080721A				07/21/08 18:03
Alkalinity, Total as CaCO3	ND	mg/L	0.2						
Bicarbonate as HCO3	ND	mg/L	1						
Sample ID: LCS	Laboratory Control Sample				Run: MANTECH_080721A				07/21/08 18:10
Alkalinity, Total as CaCO3	200	mg/L	1.0	100	90	110			
Sample ID: C08070864-009AMS	Sample Matrix Spike				Run: MANTECH_080721A				07/21/08 20:25
Alkalinity, Total as CaCO3	555	mg/L	1.0	94	80	120			
Sample ID: C08070864-009AMSD	Sample Matrix Spike Duplicate				Run: MANTECH_080721A				07/21/08 20:31
Alkalinity, Total as CaCO3	549	mg/L	1.0	93	80	120	0.9	10	
Method: A2540 C									Batch: 080721_2_SLDS-TDS-W
Sample ID: MBLK1_080721	Method Blank				Run: BAL-1_080721B				07/21/08 16:15
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: LCS1_080721	Laboratory Control Sample				Run: BAL-1_080721B				07/21/08 16:15
Solids, Total Dissolved TDS @ 180 C	1030	mg/L	10	103	90	110			
Sample ID: C08070864-001BMS	Sample Matrix Spike				Run: BAL-1_080721B				07/21/08 16:22
Solids, Total Dissolved TDS @ 180 C	8750	mg/L	10	99	90	110			
Sample ID: C08070864-001BMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080721B				07/21/08 16:23
Solids, Total Dissolved TDS @ 180 C	8740	mg/L	10	99	90	110	0.1	10	
Sample ID: C08070864-011BMS	Sample Matrix Spike				Run: BAL-1_080721B				07/21/08 16:27
Solids, Total Dissolved TDS @ 180 C	8720	mg/L	10	103	90	110			
Sample ID: C08070864-011BMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080721B				07/21/08 16:27
Solids, Total Dissolved TDS @ 180 C	8690	mg/L	10	102	90	110	0.4	10	

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QA/QC Summary Report

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Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B									Batch: SE3114-080807A
Sample ID: MBLK	Method Blank				Run: CVAA-C202_080807A				08/07/08 08:47
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-114-6	Laboratory Control Sample				Run: CVAA-C202_080807A				08/07/08 08:50
Selenium-IV	0.0517	mg/L	0.0010	103	90	110			
Sample ID: C08070864-002DMS	Sample Matrix Spike				Run: CVAA-C202_080807A				08/07/08 08:56
Selenium-IV	0.0534	mg/L	0.0010	105	85	115			
Sample ID: C08070864-002DMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_080807A				08/07/08 08:58
Selenium-IV	0.0520	mg/L	0.0010	102	85	115	2.6	10	
Sample ID: C08070869-007DMS	Sample Matrix Spike				Run: CVAA-C202_080807A				08/07/08 09:57
Selenium-IV	0.0484	mg/L	0.0010	97	85	115			
Sample ID: C08070869-007DMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_080807A				08/07/08 09:59
Selenium-IV	0.0496	mg/L	0.0010	99	85	115	2.5	10	
Method: A4500-Cl B									Batch: 080725A-CL-TTR-W
Sample ID: MBLK9-080725A	Method Blank				Run: TITRATION_080725A				07/25/08 10:11
Chloride	ND	mg/L	0.4						
Sample ID: C08070854-001BMS	Sample Matrix Spike				Run: TITRATION_080725A				07/25/08 12:47
Chloride	886	mg/L	1.0	101	90	110			
Sample ID: C08070854-001BMSD	Sample Matrix Spike Duplicate				Run: TITRATION_080725A				07/25/08 12:48
Chloride	883	mg/L	1.0	100	90	110	0.4	10	
Sample ID: LCS35-080725A	Laboratory Control Sample				Run: TITRATION_080725A				07/25/08 12:49
Chloride	3580	mg/L	1.0	101	90	110			
Sample ID: C08070864-010AMS	Sample Matrix Spike				Run: TITRATION_080725A				07/25/08 13:46
Chloride	120	mg/L	1.0	102	90	110			
Sample ID: C08070864-010AMSD	Sample Matrix Spike Duplicate				Run: TITRATION_080725A				07/25/08 13:47
Chloride	120	mg/L	1.0	102	90	110	0.0	10	
Method: A4500-H B									Analytical Run: ORION555A_080721A
Sample ID: ICV1_080721_1	Initial Calibration Verification Standard								07/21/08 09:38
pH	6.95	s.u.	0.010	101	98	102			
Method: A4500-H B									Batch: 080721_1_PH-W_555A-1
Sample ID: C08070864-002BDUP	Sample Duplicate				Run: ORION555A_080721A				07/21/08 10:48
pH	4.15	s.u.	0.010				0.0	10	

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QA/QC Summary Report

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Project: Zone 3

Report Date: 09/05/08
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Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-SO4 E								Batch: 080721_1_SO4-TURB-W	
Sample ID: LCS-1_080721	Laboratory Control Sample				Run: TURB-2_080721A			07/21/08 13:36	
Sulfate	5000	mg/L	59	104	90	110			
Sample ID: MBLK-1_080721	Method Blank				Run: TURB-2_080721A			07/21/08 13:37	
Sulfate	ND	mg/L	0.6						
Sample ID: C08070851-009AMS	Sample Matrix Spike				Run: TURB-2_080721A			07/21/08 15:36	
Sulfate	736	mg/L	15	106	90	110			
Sample ID: C08070851-009AMSD	Sample Matrix Spike Duplicate				Run: TURB-2_080721A			07/21/08 15:36	
Sulfate	727	mg/L	15	104	90	110	1.3	10	
Sample ID: C08070864-008AMS	Sample Matrix Spike				Run: TURB-2_080721A			07/21/08 16:08	
Sulfate	7440	mg/L	150	106	90	110			
Sample ID: C08070864-008AMSD	Sample Matrix Spike Duplicate				Run: TURB-2_080721A			07/21/08 16:09	
Sulfate	7390	mg/L	150	105	90	110	0.7	10	
Method: A4500-SO4 E								Batch: 080731_1_SO4-TURB-W	
Sample ID: LCS-1_080731	Laboratory Control Sample				Run: TURB-2_080731A			07/31/08 09:53	
Sulfate	4610	mg/L	59	96	90	110			
Sample ID: MBLK-1_080731	Method Blank				Run: TURB-2_080731A			07/31/08 09:55	
Sulfate	ND	mg/L	0.6						
Sample ID: C08070897-003AMS	Sample Matrix Spike				Run: TURB-2_080731A			07/31/08 12:38	
Sulfate	1290	mg/L	15	99	90	110			
Sample ID: C08070897-003AMSD	Sample Matrix Spike Duplicate				Run: TURB-2_080731A			07/31/08 12:40	
Sulfate	1300	mg/L	15	101	90	110	0.7	10	
Method: E1632AM								Batch: H_R47209	
Sample ID: MBLK_14r	Method Blank				Run: SUB-H47209			07/31/08 14:48	
Arsenic-III	ND	mg/L	0.0003						
Sample ID: AS080731-LCS	Laboratory Control Sample				Run: SUB-H47209			07/31/08 14:57	
Arsenic-III	0.0526	mg/L	0.0030	105	90	110			
Sample ID: H08070525-002C DUP	Sample Duplicate				Run: SUB-H47209			07/31/08 17:36	
Arsenic-III	ND	mg/L	0.0030				0.0	20	
Sample ID: C08070864-002D	Sample Matrix Spike				Run: SUB-H47209			07/31/08 18:20	
Arsenic-III	0.0418	mg/L	0.0030	74	80	120			S
Sample ID: C08070864-002D	Sample Matrix Spike Duplicate				Run: SUB-H47209			07/31/08 18:28	
Arsenic-III	0.0432	mg/L	0.0030	76	80	120	3.2	20	S

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 09/05/08
Work Order: C08070864

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E1632AM									Batch: H_R47217
Sample ID: MBLK_13r	Method Blank				Run: SUB-H47217				08/01/08 10:28
Arsenic-III	ND	mg/L	0.0003						
Sample ID: AS080801-LCS	Laboratory Control Sample				Run: SUB-H47217				08/01/08 10:37
Arsenic-III	0.0517	mg/L	0.0030	103	90	110			
Sample ID: H08070510-009D DUP	Sample Duplicate				Run: SUB-H47217				08/01/08 11:22
Arsenic-III	0.0533	mg/L	0.0030				3.1	20	
Sample ID: C08070869-001D	Sample Matrix Spike				Run: SUB-H47217				08/01/08 11:57
Arsenic-III	0.0468	mg/L	0.0030	94	80	120			
Sample ID: C08070869-001D	Sample Matrix Spike Duplicate				Run: SUB-H47217				08/01/08 12:06
Arsenic-III	0.0479	mg/L	0.0030	96	80	120	2.3	20	

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QA/QC Summary Report

Client: United Nuclear Corp
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Report Date: 09/05/08
Work Order: C08070864

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R105265
Sample ID: MB-080801A	Method Blank				Run: ICP2-C_080801A				08/01/08 12:02
Calcium	ND	mg/L	0.1						
Magnesium	ND	mg/L	0.04						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Sample ID: LFB-080801A	Laboratory Fortified Blank				Run: ICP2-C_080801A				08/01/08 12:06
Calcium	52.0	mg/L	0.50	104	85	125			
Magnesium	52.6	mg/L	0.50	105	85	125			
Potassium	46.5	mg/L	0.50	93	85	125			
Sodium	49.3	mg/L	0.77	99	85	125			
Sample ID: C08071154-005BMS2	Sample Matrix Spike				Run: ICP2-C_080801A				08/01/08 13:23
Calcium	302	mg/L	1.0	101	70	130			
Magnesium	177	mg/L	1.0	110	70	130			
Potassium	94.9	mg/L	1.0	92	70	130			
Sodium	203	mg/L	1.5	102	70	130			
Sample ID: C08071154-005BMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_080801A				08/01/08 13:27
Calcium	298	mg/L	1.0	97	70	130	1.3	20	
Magnesium	175	mg/L	1.0	107	70	130	1.4	20	
Potassium	95.0	mg/L	1.0	92	70	130	0.1	20	
Sodium	201	mg/L	1.5	100	70	130	1.2	20	
Sample ID: C08071198-001EMS2	Sample Matrix Spike				Run: ICP2-C_080801A				08/01/08 17:30
Calcium	235	mg/L	1.0	100	70	130			
Magnesium	228	mg/L	1.0	102	70	130			
Potassium	97.6	mg/L	1.0	93	70	130			
Sodium	225	mg/L	1.5	101	70	130			
Sample ID: C08071198-001EMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_080801A				08/01/08 17:34
Calcium	235	mg/L	1.0	100	70	130	0.2	20	
Magnesium	228	mg/L	1.0	102	70	130	0.0	20	
Potassium	98.4	mg/L	1.0	94	70	130	0.9	20	
Sodium	221	mg/L	1.5	97	70	130	1.7	20	

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Client: United Nuclear Corp
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Report Date: 09/05/08
Work Order: C08070864

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R106948
Sample ID: MB-080903A	Method Blank				Run: ICP2-C_080903A				09/03/08 14:05
Calcium	ND	mg/L	0.1						
Magnesium	ND	mg/L	0.04						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Sample ID: LFB-080903A	Laboratory Fortified Blank				Run: ICP2-C_080903A				09/03/08 14:09
Calcium	53.1	mg/L	0.50	106	85	125			
Magnesium	51.8	mg/L	0.50	104	85	125			
Potassium	46.3	mg/L	0.50	93	85	125			
Sodium	51.2	mg/L	0.77	102	85	125			
Sample ID: C08090070-002BMS2	Sample Matrix Spike				Run: ICP2-C_080903A				09/03/08 14:46
Calcium	675	mg/L	1.0	109	70	130			
Magnesium	547	mg/L	1.0	107	70	130			
Potassium	458	mg/L	1.0	91	70	130			
Sodium	509	mg/L	7.6	102	70	130			
Sample ID: C08090070-002BMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_080903A				09/03/08 14:50
Calcium	646	mg/L	1.0	103	70	130	4.4	20	
Magnesium	531	mg/L	1.0	104	70	130	3.0	20	
Potassium	454	mg/L	1.0	90	70	130	0.7	20	
Sodium	508	mg/L	7.6	102	70	130	0.2	20	

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Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: 19185
Sample ID: MB-19185	Method Blank				Run: ICPMS2-C_080729A				07/30/08 05:53
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	3E-05						
Cobalt	5E-05	mg/L	2E-05						
Lead	ND	mg/L	5E-05						
Manganese	ND	mg/L	3E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	8E-05	mg/L	6E-05						
Uranium	8E-05	mg/L	3E-05						
Vanadium	0.002	mg/L	6E-05						
Sample ID: LCS3-19185	Laboratory Control Sample				Run: ICPMS2-C_080729A				07/30/08 06:00
Beryllium	0.241	mg/L	0.010	97	85	115			
Cadmium	0.243	mg/L	0.010	97	85	115			
Cobalt	0.474	mg/L	0.010	95	85	115			
Lead	0.494	mg/L	0.050	99	85	115			
Manganese	2.54	mg/L	0.010	101	85	115			
Molybdenum	0.496	mg/L	0.10	99	85	115			
Nickel	0.480	mg/L	0.050	96	85	115			
Uranium	0.517	mg/L	0.00032	103	85	115			
Vanadium	0.495	mg/L	0.10	98	85	115			
Sample ID: C08070851-010CMS3	Sample Matrix Spike				Run: ICPMS2-C_080729A				07/30/08 07:41
Beryllium	0.254	mg/L	0.010	101	70	130			
Cadmium	0.245	mg/L	0.010	98	70	130			
Cobalt	0.469	mg/L	0.010	94	70	130			
Lead	0.521	mg/L	0.050	104	70	130			
Manganese	2.41	mg/L	0.010	96	70	130			
Molybdenum	0.533	mg/L	0.10	107	70	130			
Nickel	0.470	mg/L	0.050	94	70	130			
Uranium	0.589	mg/L	0.00030	118	70	130			
Vanadium	0.510	mg/L	0.10	99	70	130			
Sample ID: C08070851-010CMSD3	Sample Matrix Spike Duplicate				Run: ICPMS2-C_080729A				07/30/08 07:48
Beryllium	0.257	mg/L	0.010	103	70	130	1.3	20	
Cadmium	0.250	mg/L	0.010	100	70	130	2.0	20	
Cobalt	0.477	mg/L	0.010	95	70	130	1.6	20	
Lead	0.531	mg/L	0.050	106	70	130	2.1	20	
Manganese	2.48	mg/L	0.010	99	70	130	2.9	20	
Molybdenum	0.543	mg/L	0.10	109	70	130	1.9	20	
Nickel	0.475	mg/L	0.050	95	70	130	1.2	20	
Uranium	0.591	mg/L	0.00030	118	70	130	0.3	20	
Vanadium	0.527	mg/L	0.10	103	70	130	3.2	20	

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Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: 19185
Sample ID: C08070851-010CMS3	Sample Matrix Spike				Run: ICPMS4-C_080811A				08/11/08 15:25
Aluminum	3.05	mg/L	0.10	120	70	130			
Beryllium	0.247	mg/L	0.010	99	70	130			
Cadmium	0.274	mg/L	0.010	109	70	130			
Cobalt	0.484	mg/L	0.010	97	70	130			
Lead	0.526	mg/L	0.050	105	70	130			
Manganese	2.61	mg/L	0.010	104	70	130			
Molybdenum	0.507	mg/L	0.10	101	70	130			
Nickel	0.503	mg/L	0.050	101	70	130			
Uranium	0.559	mg/L	0.00030	112	70	130			
Vanadium	0.559	mg/L	0.10	102	70	130			
Sample ID: C08070851-010CMSD3	Sample Matrix Spike Duplicate				Run: ICPMS4-C_080811A				08/11/08 15:31
Aluminum	3.05	mg/L	0.10	120	70	130	0.2	20	
Beryllium	0.244	mg/L	0.010	97	70	130	1.2	20	
Cadmium	0.283	mg/L	0.010	113	70	130	3.6	20	
Cobalt	0.496	mg/L	0.010	99	70	130	2.6	20	
Lead	0.535	mg/L	0.050	107	70	130	1.6	20	
Manganese	2.69	mg/L	0.010	107	70	130	2.9	20	
Molybdenum	0.537	mg/L	0.10	107	70	130	5.7	20	
Nickel	0.521	mg/L	0.050	104	70	130	3.5	20	
Uranium	0.567	mg/L	0.00030	113	70	130	1.5	20	
Vanadium	0.575	mg/L	0.10	105	70	130	3.0	20	

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Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E350.1								Analytical Run: SUB-B114545	
Sample ID: ICV	Initial Calibration Verification Standard							07/23/08 11:36	
Nitrogen, Ammonia as N	5.66	mg/L	0.11	103	90	110			
Method: E350.1								Batch: B_R114545	
Sample ID: MBLK	Method Blank				Run: SUB-B114545			07/23/08 11:37	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B114545			07/23/08 11:38	
Nitrogen, Ammonia as N	1.03	mg/L	0.10	104	90	110			
Sample ID: C08070864-001F	Sample Matrix Spike				Run: SUB-B114545			07/23/08 12:39	
Nitrogen, Ammonia as N	1.46	mg/L	0.10	68	90	110			S
Sample ID: C08070864-001F	Sample Matrix Spike Duplicate				Run: SUB-B114545			07/23/08 12:40	
Nitrogen, Ammonia as N	1.45	mg/L	0.10	67	90	110	0.5	10	S
Sample ID: B08071837-002CMS	Sample Matrix Spike				Run: SUB-B114545			07/23/08 12:54	
Nitrogen, Ammonia as N	8.68	mg/L	0.10	67	90	110			S
Sample ID: B08071837-002CMSD	Sample Matrix Spike Duplicate				Run: SUB-B114545			07/23/08 12:55	
Nitrogen, Ammonia as N	8.68	mg/L	0.10	67	90	110	0.0	10	S
Method: E350.1								Analytical Run: SUB-B114782	
Sample ID: ICV	Initial Calibration Verification Standard							07/28/08 12:39	
Nitrogen, Ammonia as N	5.69	mg/L	0.11	104	90	110			
Method: E350.1								Batch: B_R114782	
Sample ID: MBLK	Method Blank				Run: SUB-B114782			07/28/08 12:40	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B114782			07/28/08 12:42	
Nitrogen, Ammonia as N	1.01	mg/L	0.10	102	90	110			
Sample ID: B08072098-004CMS	Sample Matrix Spike				Run: SUB-B114782			07/28/08 14:19	
Nitrogen, Ammonia as N	1.27	mg/L	0.10	118	90	110			S
Sample ID: B08072098-004CMSD	Sample Matrix Spike Duplicate				Run: SUB-B114782			07/28/08 14:20	
Nitrogen, Ammonia as N	1.27	mg/L	0.10	117	90	110	0.3	10	S
Sample ID: B08072609-002CMS	Sample Matrix Spike				Run: SUB-B114782			07/28/08 14:34	
Nitrogen, Ammonia as N	5.49	mg/L	0.10	111	90	110			S
Sample ID: B08072609-002CMSD	Sample Matrix Spike Duplicate				Run: SUB-B114782			07/28/08 14:35	
Nitrogen, Ammonia as N	5.40	mg/L	0.10	103	90	110	1.5	10	

Qualifiers:

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S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 09/05/08
Work Order: C08070864

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E350.1								Analytical Run: SUB-B114917	
Sample ID: ICV	Initial Calibration Verification Standard							07/29/08 15:11	
Nitrogen, Ammonia as N	5.63	mg/L	0.11	103	90	110			
Method: E350.1								Batch: B_R114917	
Sample ID: MBLK	Method Blank				Run: SUB-B114917			07/29/08 15:12	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B114917			07/29/08 15:13	
Nitrogen, Ammonia as N	1.02	mg/L	0.10	103	90	110			
Sample ID: B08072714-001DMS	Sample Matrix Spike				Run: SUB-B114917			07/29/08 15:19	
Nitrogen, Ammonia as N	1.74	mg/L	0.10	89	90	110			S
Sample ID: B08072714-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-B114917			07/29/08 15:20	
Nitrogen, Ammonia as N	1.67	mg/L	0.10	82	90	110	4.3	10	S
Sample ID: B08072740-001GMS	Sample Matrix Spike				Run: SUB-B114917			07/29/08 15:34	
Nitrogen, Ammonia as N	1.17	mg/L	0.10	105	90	110			
Sample ID: B08072740-001GMSD	Sample Matrix Spike Duplicate				Run: SUB-B114917			07/29/08 15:35	
Nitrogen, Ammonia as N	1.18	mg/L	0.10	106	90	110	0.8	10	
Method: E353.2								Analytical Run: SUB-B114808	
Sample ID: ICV	Initial Calibration Verification Standard							07/28/08 14:53	
Nitrogen, Nitrate+Nitrite as N	37.6	mg/L	0.050	106	90	110			
Method: E353.2								Batch: B_R114808	
Sample ID: MBLK	Method Blank				Run: SUB-B114808			07/28/08 14:54	
Nitrogen, Nitrate+Nitrite as N	0.005	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B114808			07/28/08 14:56	
Nitrogen, Nitrate+Nitrite as N	1.01	mg/L	0.050	102	90	110			
Sample ID: C08070864-007F	Sample Matrix Spike				Run: SUB-B114808			07/28/08 15:18	
Nitrogen, Nitrate+Nitrite as N	141	mg/L	0.16	105	90	110			
Sample ID: C08070864-007F	Sample Matrix Spike Duplicate				Run: SUB-B114808			07/28/08 15:19	
Nitrogen, Nitrate+Nitrite as N	137	mg/L	0.16	102	90	110	2.6	10	
Sample ID: C08070869-007F	Sample Matrix Spike				Run: SUB-B114808			07/28/08 15:35	
Nitrogen, Nitrate+Nitrite as N	0.997	mg/L	0.050	99	90	110			
Sample ID: C08070869-007F	Sample Matrix Spike Duplicate				Run: SUB-B114808			07/28/08 15:36	
Nitrogen, Nitrate+Nitrite as N	0.992	mg/L	0.050	99	90	110	0.5	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 09/05/08
Work Order: C08070864

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R104585
Sample ID: 072108_LCS_3	Laboratory Control Sample				Run: SATURNCA_080721A				07/21/08 10:04
Bromodichloromethane	4.20	ug/L	1.0	84	70	130			
Bromoform	3.96	ug/L	1.0	79	70	130			
Chlorodibromomethane	3.92	ug/L	1.0	78	70	130			
Chloroform	4.52	ug/L	1.0	90	70	130			
Trihalomethanes, Total	16.6	ug/L	1.0	83	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	98	80	120			
Surr: Dibromofluoromethane			1.0	97	80	120			
Surr: p-Bromofluorobenzene			1.0	95	80	120			
Surr: Toluene-d8			1.0	95	80	120			
Sample ID: 072108_MBLK_6	Method Blank				Run: SATURNCA_080721A				07/21/08 11:59
Bromodichloromethane	ND	ug/L	0.5						
Bromoform	ND	ug/L	0.5						
Chlorodibromomethane	ND	ug/L	0.5						
Chloroform	ND	ug/L	0.5						
Trihalomethanes, Total	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4				102	80	120			
Surr: Dibromofluoromethane				98	80	120			
Surr: p-Bromofluorobenzene				94	80	120			
Surr: Toluene-d8				93	80	120			
Sample ID: C08070869-001GMS	Sample Matrix Spike				Run: SATURNCA_080721A				07/21/08 17:41
Bromodichloromethane	89.2	ug/L	5.0	89	70	130			
Bromoform	92.8	ug/L	5.0	93	70	130			
Chlorodibromomethane	94.4	ug/L	5.0	94	70	130			
Chloroform	99.6	ug/L	5.0	100	70	130			
Trihalomethanes, Total	376	ug/L	5.0	94	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	97	80	120			
Surr: Dibromofluoromethane			1.0	99	80	120			
Surr: p-Bromofluorobenzene			1.0	99	80	120			
Surr: Toluene-d8			1.0	96	80	120			
Sample ID: C08070869-001GMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_080721A				07/21/08 18:19
Bromodichloromethane	81.6	ug/L	5.0	82	70	130	8.9	20	
Bromoform	83.2	ug/L	5.0	83	70	130	11	20	
Chlorodibromomethane	84.8	ug/L	5.0	85	70	130	11	20	
Chloroform	92.0	ug/L	5.0	92	70	130	7.9	20	
Trihalomethanes, Total	342	ug/L	5.0	85	70	130	9.6	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	103	80	120			
Surr: Dibromofluoromethane			1.0	106	80	120			
Surr: p-Bromofluorobenzene			1.0	100	80	120			
Surr: Toluene-d8			1.0	96	80	120			

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 09/05/08
Work Order: C08070864

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1									Batch: GA-0150
Sample ID: MB-GA-0150	Method Blank				Run: TENNELEC-3_080806A				08/11/08 10:19
Gross Alpha minus Rn & U	0.4	pCi/L							
Sample ID: LCS-GA-0150	Laboratory Control Sample				Run: TENNELEC-3_080806A				08/11/08 10:19
Gross Alpha minus Rn & U	24.6	pCi/L		92	70	130			
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_080806A				08/11/08 12:02
Gross Alpha minus Rn & U	28.7	pCi/L		107	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080806A				08/11/08 12:02
Gross Alpha minus Rn & U	27.5	pCi/L		102	70	130	4.1	21.6	
Method: E903.0									Batch: RA226-2992
Sample ID: C08070835-001AMS	Sample Matrix Spike				Run: BERTHOLD 770_080808D				08/25/08 09:48
Radium 226	16	pCi/L		103	70	130			
Sample ID: C08070835-001AMSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080808D				08/25/08 09:48
Radium 226	15	pCi/L		98	70	130	4.7	24.5	
Sample ID: MB-RA226-2992	Method Blank				Run: BERTHOLD 770_080808D				08/25/08 18:19
Radium 226	-0.2	pCi/L							U
Sample ID: LCS-RA226-2992	Laboratory Control Sample				Run: BERTHOLD 770_080808D				08/25/08 18:19
Radium 226	15	pCi/L		98	70	130			
Method: E903.0									Batch: RA226-2994
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_080808G				08/26/08 17:11
Radium 226	8.4	pCi/L		104	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080808G				08/26/08 17:11
Radium 226	8.6	pCi/L		106	70	130	2.2	22.1	
Sample ID: MB-RA226-2994	Method Blank				Run: TENNELEC-3_080808G				08/26/08 17:11
Radium 226	0.2	pCi/L							
Sample ID: LCS-RA226-2994	Laboratory Control Sample				Run: TENNELEC-3_080808G				08/26/08 17:11
Radium 226	7.9	pCi/L		97	70	130			

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 09/05/08
Work Order: C08070864

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: RA-TH-ISO-0600
Sample ID: LCS-RA-TH-ISO-0600	Laboratory Control Sample				Run: EGG-ORTEC_080814A				08/20/08 16:59
Thorium 230	9.62	pCi/L	0.20	94	70	130			
Sample ID: C08070869-004EMS	Sample Matrix Spike				Run: EGG-ORTEC_080814A				08/20/08 17:03
Thorium 230	14.6	pCi/L	0.20	90	70	130			
Sample ID: C08070869-004EMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_080814A				08/20/08 17:04
Thorium 230	14.9	pCi/L	0.20	91	70	130	2.0	30	
Sample ID: MB-RA-TH-ISO-0600	Method Blank				Run: EGG-ORTEC_080814A				08/18/08 21:40
Thorium 230	-0.04	pCi/L							U
Method: E909.0M									Batch: R105993
Sample ID: C08070632-002DMS	Sample Matrix Spike				Run: PACKARD 3100TR_080728C				07/28/08 08:15
Lead 210	745	pCi/L		125	70	130			
Sample ID: C08070632-002DMSD	Sample Matrix Spike Duplicate				Run: PACKARD 3100TR_080728C				07/28/08 08:15
Lead 210	681	pCi/L		114	70	130	9.0	30	
Sample ID: MB-R105993	Method Blank				Run: PACKARD 3100TR_080728C				07/28/08 08:15
Lead 210	-2	pCi/L							U
Sample ID: LCS-R105993	Laboratory Control Sample				Run: PACKARD 3100TR_080728C				07/28/08 08:15
Lead 210	116	pCi/L		100	70	130			
Method: RA-05									Batch: RA228-2248
Sample ID: LCS-228-RA226-2992	Laboratory Control Sample				Run: TENNELEC-3_080808C				08/19/08 06:40
Radium 228	8.5	pCi/L		85	70	130			
Sample ID: MB-RA226-2992	Method Blank				Run: TENNELEC-3_080808C				08/19/08 06:40
Radium 228	0.3	pCi/L							U
Sample ID: C08070835-005AMS	Sample Matrix Spike				Run: TENNELEC-3_080808C				08/19/08 06:40
Radium 228	16	pCi/L		81	70	130			
Sample ID: C08070835-005AMSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080808C				08/19/08 06:40
Radium 228	16	pCi/L		82	70	130	1.4	30.8	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 09/05/08
Work Order: C08070864

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05									Batch: RA228-2249
Sample ID: LCS-228-RA226-2994	Laboratory Control Sample				Run: TENNELEC-3_080808D				08/19/08 08:46
Radium 228	9.9	pCi/L		103	70	130			
Sample ID: MB-RA226-2994	Method Blank				Run: TENNELEC-3_080808D				08/19/08 08:46
Radium 228	0.1	pCi/L							U
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_080808D				08/19/08 08:46
Radium 228	11	pCi/L		98	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080808D				08/19/08 08:46
Radium 228	10	pCi/L		97	70	130	1.2	30.3	

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ANALYTICAL SUMMARY REPORT

September 10, 2008

United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C08070631 Quote ID: C129 - Quarterly Long List

Project Name: Zone 3

Energy Laboratories, Inc. received the following 1 sample from United Nuclear Corp on 7/14/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08070631-001	613	07/08/08 11:45	07/14/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity QA Calculations Chloride Arsenic Speciation Selenium-IV, Total Sample Filtering Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

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

Report Approved By: Kristi Bradley

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Date: 10-Sep-08

CLIENT: United Nuclear Corp
Project: Zone 3
Sample Delivery Group: C08070631

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

PB210 ANALYSIS
The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. This value should not be used for regulatory reporting purposes.

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

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.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

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.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
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

CERTFICATIONS:
USEPA: WY00002; FL-DOH NELAC: E87641; Arizona: AZ0699; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample

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CLIENT: United Nuclear Corp
Project: Zone 3
Sample Delivery Group: C08070631

CASE NARRATIVE

state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

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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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 09/10/08
Work Order: C08070631

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: R104362
Sample ID: MBLK-1	Method Blank				Run: MANTECH_080716A				07/16/08 10:21
Alkalinity, Total as CaCO3	ND	mg/L	0.2						
Bicarbonate as HCO3	ND	mg/L	1						
Sample ID: LCS-1	Laboratory Control Sample				Run: MANTECH_080716A				07/16/08 10:28
Alkalinity, Total as CaCO3	199	mg/L	1.0	99	90	110			
Sample ID: C08070627-015AMS	Sample Matrix Spike				Run: MANTECH_080716A				07/16/08 12:41
Alkalinity, Total as CaCO3	1210	mg/L	1.0	96	80	120			
Sample ID: C08070627-015AMSD	Sample Matrix Spike Duplicate				Run: MANTECH_080716A				07/16/08 12:48
Alkalinity, Total as CaCO3	1210	mg/L	1.0	97	80	120	0.3	10	
Method: A2540 C									Batch: 080715_1_SLDS-TDS-W
Sample ID: MBLK2_080715	Method Blank				Run: BAL-1_080715C				07/15/08 14:39
Solids, Total Dissolved TDS @ 180 C	8	mg/L	6						
Sample ID: LCS2_080715	Laboratory Control Sample				Run: BAL-1_080715C				07/15/08 14:40
Solids, Total Dissolved TDS @ 180 C	1010	mg/L	10	101	90	110			
Sample ID: C08070627-005AMS	Sample Matrix Spike				Run: BAL-1_080715C				07/15/08 14:44
Solids, Total Dissolved TDS @ 180 C	12000	mg/L	10	97	90	110			
Sample ID: C08070627-005AMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080715C				07/15/08 14:44
Solids, Total Dissolved TDS @ 180 C	12100	mg/L	10	98	90	110	0.4	10	
Method: A3114 B									Batch: SE3114-080805B
Sample ID: MBLK	Method Blank				Run: CVAA-C202_080805B				08/05/08 14:47
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-114-6	Laboratory Control Sample				Run: CVAA-C202_080805B				08/05/08 14:49
Selenium-IV	0.0495	mg/L	0.0010	99	90	110			
Sample ID: C08070631-001CMS	Sample Matrix Spike				Run: CVAA-C202_080805B				08/05/08 15:22
Selenium-IV	0.0459	mg/L	0.0010	92	85	115			
Sample ID: C08070631-001CMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_080805B				08/05/08 15:24
Selenium-IV	0.0463	mg/L	0.0010	93	85	115	0.9	10	

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: Zone 3

Report Date: 09/10/08
Work Order: C08070631

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-Cl B								Batch: 080724A-CL-TTR-W	
Sample ID: MBLK9-080724A	Method Blank				Run: TITRATION_080724B			07/24/08 10:22	
Chloride	ND	mg/L	0.4						
Sample ID: C08070632-002AMS	Sample Matrix Spike				Run: TITRATION_080724B			07/24/08 16:25	
Chloride	624	mg/L	1.0	101	90	110			
Sample ID: C08070632-002AMSD	Sample Matrix Spike Duplicate				Run: TITRATION_080724B			07/24/08 16:26	
Chloride	617	mg/L	1.0	99	90	110	1.1	10	
Sample ID: LCS35-080724A	Laboratory Control Sample				Run: TITRATION_080724B			07/24/08 16:27	
Chloride	3510	mg/L	1.0	99	90	110			
Method: A4500-H B								Analytical Run: ORION555A_080715A	
Sample ID: ICV1_080715_1	Initial Calibration Verification Standard							07/15/08 12:09	
pH	6.90	s.u.	0.010	101	98	102			
Method: A4500-H B								Batch: 080715_1_PH-W_555A-1	
Sample ID: C08070627-010ADUP	Sample Duplicate				Run: ORION555A_080715A			07/15/08 12:39	
pH	6.85	s.u.	0.010				0.4	10	
Method: A4500-SO4 E								Batch: 080731_1_SO4-TURB-W	
Sample ID: LCS-1_080731	Laboratory Control Sample				Run: TURB-2_080731A			07/31/08 09:53	
Sulfate	4610	mg/L	59	96	90	110			
Sample ID: MBLK-1_080731	Method Blank				Run: TURB-2_080731A			07/31/08 09:55	
Sulfate	ND	mg/L	0.6						
Sample ID: C08070897-003AMS	Sample Matrix Spike				Run: TURB-2_080731A			07/31/08 12:38	
Sulfate	1290	mg/L	15	99	90	110			
Sample ID: C08070897-003AMSD	Sample Matrix Spike Duplicate				Run: TURB-2_080731A			07/31/08 12:40	
Sulfate	1300	mg/L	15	101	90	110	0.7	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 09/10/08
Work Order: C08070631

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E1632AM									Batch: H_R47209
Sample ID: MBLK_14r	Method Blank				Run: SUB-H47209				07/31/08 14:48
Arsenic-III	ND	mg/L	0.0003						
Sample ID: AS080731-LCS	Laboratory Control Sample				Run: SUB-H47209				07/31/08 14:57
Arsenic-III	0.0526	mg/L	0.0030	105	90	110			
Sample ID: C08070864-002D	Sample Matrix Spike				Run: SUB-H47209				07/31/08 18:20
Arsenic-III	0.0418	mg/L	0.0030	74	80	120			S
Sample ID: C08070864-002D	Sample Matrix Spike Duplicate				Run: SUB-H47209				07/31/08 18:28
Arsenic-III	0.0432	mg/L	0.0030	76	80	120	3.2	20	S

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S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 09/10/08
Work Order: C08070631

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: 19156
Sample ID: MB-19156	Method Blank				Run: ICP2-C_080724A				07/24/08 20:09
Aluminum	0.006	mg/L	0.002						
Calcium	ND	mg/L	0.08						
Magnesium	ND	mg/L	0.08						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.007						
Potassium	ND	mg/L	0.04						
Sodium	ND	mg/L	0.5						
Vanadium	ND	mg/L	0.005						
Sample ID: LCS3-19156	Laboratory Control Sample				Run: ICP2-C_080724A				07/24/08 20:13
Aluminum	2.53	mg/L	0.10	101	85	115			
Calcium	25.4	mg/L	1.0	102	85	115			
Magnesium	25.5	mg/L	1.0	102	85	115			
Manganese	2.53	mg/L	0.010	101	85	115			
Molybdenum	0.508	mg/L	0.10	102	85	115			
Potassium	25.2	mg/L	1.0	101	85	115			
Sodium	25.5	mg/L	1.0	102	85	115			
Vanadium	0.483	mg/L	0.10	97	85	115			
Sample ID: C08070737-011DMS3	Sample Matrix Spike				Run: ICP2-C_080724A				07/25/08 00:33
Aluminum	2.65	mg/L	0.10	106	70	130			
Calcium	27.4	mg/L	1.0	108	70	130			
Magnesium	26.7	mg/L	1.0	107	70	130			
Manganese	2.66	mg/L	0.010	106	70	130			
Molybdenum	0.519	mg/L	0.10	104	70	130			
Potassium	26.3	mg/L	1.0	105	70	130			
Sodium	25.0	mg/L	1.1	100	70	130			
Vanadium	0.535	mg/L	0.10	107	70	130			
Sample ID: C08070737-011DMSD3	Sample Matrix Spike Duplicate				Run: ICP2-C_080724A				07/25/08 00:37
Aluminum	2.69	mg/L	0.10	107	70	130	1.6	20	
Calcium	27.9	mg/L	1.0	110	70	130	2.0	20	
Magnesium	26.8	mg/L	1.0	107	70	130	0.5	20	
Manganese	2.68	mg/L	0.010	107	70	130	0.6	20	
Molybdenum	0.525	mg/L	0.10	105	70	130	1.1	20	
Potassium	26.1	mg/L	1.0	105	70	130	0.8	20	
Sodium	24.7	mg/L	1.1	99	70	130	0.9	20	
Vanadium	0.548	mg/L	0.10	110	70	130	2.4	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 09/10/08
Work Order: C08070631

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R106948
Sample ID: MB-080903A	Method Blank				Run: ICP2-C_080903A				09/03/08 14:05
Calcium	ND	mg/L	0.1						
Magnesium	ND	mg/L	0.04						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Sample ID: LFB-080903A	Laboratory Fortified Blank				Run: ICP2-C_080903A				09/03/08 14:09
Calcium	53.1	mg/L	0.50	106	85	125			
Magnesium	51.8	mg/L	0.50	104	85	125			
Potassium	46.3	mg/L	0.50	93	85	125			
Sodium	51.2	mg/L	0.77	102	85	125			
Sample ID: C08070631-001GMS2	Sample Matrix Spike				Run: ICP2-C_080903A				09/03/08 16:03
Calcium	962	mg/L	1.1	110	70	130			
Magnesium	1240	mg/L	1.0	109	70	130			
Potassium	457	mg/L	1.0	91	70	130			
Sodium	768	mg/L	7.7	101	70	130			
Sample ID: C08070631-001GMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_080903A				09/03/08 16:07
Calcium	925	mg/L	1.1	102	70	130	3.9	20	
Magnesium	1230	mg/L	1.0	106	70	130	1.2	20	
Potassium	455	mg/L	1.0	91	70	130	0.4	20	
Sodium	768	mg/L	7.7	101	70	130	0.0	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 09/10/08
Work Order: C08070631

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: 19156
Sample ID: MB-19156	Method Blank				Run: ICPMS2-C_080729A				07/30/08 01:16
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	3E-05						
Cobalt	ND	mg/L	2E-05						
Lead	0.005	mg/L	5E-05						
Nickel	8E-05	mg/L	6E-05						
Uranium	ND	mg/L	3E-05						
Sample ID: LCS3-19156	Laboratory Control Sample				Run: ICPMS2-C_080729A				07/30/08 01:22
Beryllium	0.247	mg/L	0.010	99	85	115			
Cadmium	0.251	mg/L	0.010	101	85	115			
Cobalt	0.500	mg/L	0.010	100	85	115			
Lead	0.511	mg/L	0.050	101	85	115			
Nickel	0.500	mg/L	0.050	100	85	115			
Uranium	0.527	mg/L	0.00032	105	85	115			
Sample ID: C08070737-011DMS3	Sample Matrix Spike				Run: ICPMS2-C_080729A				07/30/08 05:40
Beryllium	0.247	mg/L	0.010	99	70	130			
Cadmium	0.249	mg/L	0.010	100	70	130			
Cobalt	0.479	mg/L	0.010	96	70	130			
Lead	0.501	mg/L	0.050	100	70	130			
Nickel	0.488	mg/L	0.050	98	70	130			
Uranium	0.528	mg/L	0.00032	106	70	130			
Sample ID: C08070737-011DMSD3	Sample Matrix Spike Duplicate				Run: ICPMS2-C_080729A				07/30/08 05:46
Beryllium	0.242	mg/L	0.010	97	70	130	2.1	20	
Cadmium	0.248	mg/L	0.010	99	70	130	0.5	20	
Cobalt	0.479	mg/L	0.010	96	70	130	0.2	20	
Lead	0.499	mg/L	0.050	100	70	130	0.4	20	
Nickel	0.487	mg/L	0.050	97	70	130	0.1	20	
Uranium	0.520	mg/L	0.00032	104	70	130	1.4	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 09/10/08
Work Order: C08070631

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E350.1								Batch: B_R114917	
Sample ID: MBLK	Method Blank				Run: SUB-B114917			07/29/08 15:12	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B114917			07/29/08 15:13	
Nitrogen, Ammonia as N	1.02	mg/L	0.10	103	90	110			
Sample ID: B08072714-001DMS	Sample Matrix Spike				Run: SUB-B114917			07/29/08 15:19	
Nitrogen, Ammonia as N	1.74	mg/L	0.10	89	90	110			S
Sample ID: B08072714-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-B114917			07/29/08 15:20	
Nitrogen, Ammonia as N	1.67	mg/L	0.10	82	90	110	4.3	10	S
Method: E353.2								Batch: B_R114659	
Sample ID: MBLK	Method Blank				Run: SUB-B114659			07/25/08 08:52	
Nitrogen, Nitrate+Nitrite as N	0.005	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B114659			07/25/08 08:53	
Nitrogen, Nitrate+Nitrite as N	0.981	mg/L	0.050	100	90	110			
Sample ID: B08071876-001AMS	Sample Matrix Spike				Run: SUB-B114659			07/25/08 12:40	
Nitrogen, Nitrate+Nitrite as N	1.83	mg/L	0.050	106	90	110			
Sample ID: B08071876-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-B114659			07/25/08 12:41	
Nitrogen, Nitrate+Nitrite as N	1.82	mg/L	0.050	105	90	110	0.5	10	

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S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 09/10/08
Work Order: C08070631

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R104358
Sample ID: 071608_LCS_3	Laboratory Control Sample				Run: SATURNCA_080716E				07/16/08 10:58
Bromodichloromethane	8.08	ug/L	1.0	81	70	130			
Bromoform	8.80	ug/L	1.0	88	70	130			
Chlorodibromomethane	8.96	ug/L	1.0	90	70	130			
Chloroform	8.96	ug/L	1.0	90	70	130			
Trihalomethanes, Total	34.8	ug/L	1.0	87	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	97	80	120			
Surr: Dibromofluoromethane			1.0	99	80	120			
Surr: p-Bromofluorobenzene			1.0	97	80	120			
Surr: Toluene-d8			1.0	95	80	120			
Sample ID: 071608_MBLK_6	Method Blank				Run: SATURNCA_080716E				07/16/08 12:52
Bromodichloromethane	ND	ug/L	0.5						
Bromoform	ND	ug/L	0.5						
Chlorodibromomethane	ND	ug/L	0.5						
Chloroform	ND	ug/L	0.5						
Trihalomethanes, Total	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4				104	80	120			
Surr: Dibromofluoromethane				107	80	120			
Surr: p-Bromofluorobenzene				95	80	120			
Surr: Toluene-d8				92	80	120			
Sample ID: C08070631-001FMS	Sample Matrix Spike				Run: SATURNCA_080716E				07/16/08 21:00
Bromodichloromethane	92.0	ug/L	5.0	92	70	130			
Bromoform	92.0	ug/L	5.0	92	70	130			
Chlorodibromomethane	92.4	ug/L	5.0	92	70	130			
Chloroform	195	ug/L	5.0	97	70	130			
Trihalomethanes, Total	472	ug/L	5.0	93	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	99	80	120			
Surr: Dibromofluoromethane			1.0	98	80	120			
Surr: p-Bromofluorobenzene			1.0	97	80	120			
Surr: Toluene-d8			1.0	98	80	120			
Sample ID: C08070631-001FMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_080716E				07/16/08 21:38
Bromodichloromethane	88.4	ug/L	5.0	88	70	130	4.0	20	
Bromoform	92.0	ug/L	5.0	92	70	130	0.0	20	
Chlorodibromomethane	92.0	ug/L	5.0	92	70	130	0.4	20	
Chloroform	206	ug/L	5.0	108	70	130	5.2	20	
Trihalomethanes, Total	478	ug/L	5.0	95	70	130	1.3	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	105	80	120			
Surr: Dibromofluoromethane			1.0	104	80	120			
Surr: p-Bromofluorobenzene			1.0	100	80	120			

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QA/QC Summary Report

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Work Order: C08070631

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R104358
Sample ID: C08070631-001FMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_080716E				07/16/08 21:38
Surr: Toluene-d8			1.0	96	80	120			
Method: E900.1									Batch: GA-0154
Sample ID: MB-GA-0154	Method Blank				Run: TENNELEC-3_080818B				08/20/08 20:46
Gross Alpha minus Rn & U	0.4	pCi/L							U
Sample ID: LCS-GA-0154	Laboratory Control Sample				Run: TENNELEC-3_080818B				08/20/08 20:46
Gross Alpha minus Rn & U	27.4	pCi/L		102	70	130			
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_080818B				08/20/08 22:36
Gross Alpha minus Rn & U	26.0	pCi/L		96	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080818B				08/20/08 22:36
Gross Alpha minus Rn & U	26.3	pCi/L		97	70	130	1.0	24.2	
Method: E903.0									Batch: RA226-2968
Sample ID: C08070555-001FMS	Sample Matrix Spike				Run: BERTHOLD 770_080730B				08/11/08 15:52
Radium 226	17	pCi/L		109	70	130			
Sample ID: C08070555-001FMSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080730B				08/11/08 15:52
Radium 226	14	pCi/L		91	70	130	18	25.2	
Sample ID: MB-RA226-2968	Method Blank				Run: BERTHOLD 770_080730B				08/11/08 17:36
Radium 226	-0.2	pCi/L							U
Sample ID: LCS-RA226-2968	Laboratory Control Sample				Run: BERTHOLD 770_080730B				08/11/08 17:36
Radium 226	8.7	pCi/L		113	70	130			
Method: E907.0									Batch: RA-TH-ISO-0592
Sample ID: LCS-RA-TH-ISO-0592	Laboratory Control Sample				Run: EGG-ORTEC_080731D				08/10/08 16:42
Thorium 230	6.2	pCi/L	0.20	103	70	130			
Sample ID: C08070547-006HMS	Sample Matrix Spike				Run: EGG-ORTEC_080731D				08/10/08 16:46
Thorium 230	17	pCi/L	0.20	105	70	130			
Sample ID: C08070547-006HMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_080731D				08/10/08 16:47
Thorium 230	16	pCi/L	0.20	98	70	130	7.3	30	
Sample ID: MB-RA-TH-ISO-0592	Method Blank				Run: EGG-ORTEC_080731D				08/08/08 23:51
Thorium 230	-0.05	pCi/L							U

Qualifiers:

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ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 09/10/08
Work Order: C08070631

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: R105993
Sample ID: C08070632-002DMS	Sample Matrix Spike				Run: PACKARD 3100TR_080728C				07/28/08 08:15
Lead 210	745	pCi/L		125	70	130			
Sample ID: C08070632-002DMSD	Sample Matrix Spike Duplicate				Run: PACKARD 3100TR_080728C				07/28/08 08:15
Lead 210	681	pCi/L		114	70	130	9.0	30	
Sample ID: C08070864-009EDUP	Sample Duplicate				Run: PACKARD 3100TR_080728C				07/28/08 08:15
Lead 210	2.70	pCi/L					40	30	R
Lead 210 MDC	11.3	pCi/L							
- RPD is above limits but both samples are below the MDC.									
Sample ID: MB-R105993	Method Blank				Run: PACKARD 3100TR_080728C				07/28/08 08:15
Lead 210	-2	pCi/L							U
Sample ID: LCS-R105993	Laboratory Control Sample				Run: PACKARD 3100TR_080728C				07/28/08 08:15
Lead 210	116	pCi/L		100	70	130			
Method: RA-05									Batch: RA228-2234
Sample ID: LCS-228-RA226-2968	Laboratory Control Sample				Run: TENNELEC-3_080730D				08/05/08 06:30
Radium 228	10.6	pCi/L		113	70	130			
Sample ID: MB-RA226-2968	Method Blank				Run: TENNELEC-3_080730D				08/05/08 06:30
Radium 228	-0.3	pCi/L							U
Sample ID: C08070555-002FMS	Sample Matrix Spike				Run: TENNELEC-3_080730D				08/05/08 06:30
Radium 228	19.0	pCi/L		98	70	130			
Sample ID: C08070555-002FMSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080730D				08/05/08 06:30
Radium 228	19.5	pCi/L		101	70	130	2.7	36.1	

Qualifiers:

RL - Analyte reporting limit.
R - RPD exceeds advisory limit.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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ANALYTICAL SUMMARY REPORT

November 03, 2008

United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C08070864 Quote ID: C129 - Quarterly Long List

Project Name: Zone 3

Energy Laboratories, Inc. received the following 11 samples for United Nuclear Corp on 7/18/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08070864-001	708	07/14/08 14:05	07/18/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity QA Calculations Chloride Arsenic Speciation Selenium-IV, Total Sample Filtering Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics
C08070864-002	711	07/14/08 14:45	07/18/08	Aqueous	Same As Above
C08070864-003	711 Duplicate	07/14/08 15:20	07/18/08	Aqueous	Same As Above
C08070864-004	EPA-13	07/14/08 16:05	07/18/08	Aqueous	Same As Above
C08070864-005	517	07/15/08 09:35	07/18/08	Aqueous	Same As Above
C08070864-006	EPA-14	07/15/08 10:15	07/18/08	Aqueous	Same As Above
C08070864-007	717	07/15/08 10:50	07/18/08	Aqueous	Same As Above
C08070864-008	420	07/15/08 11:30	07/18/08	Aqueous	Same As Above
C08070864-009	NBL-1	07/15/08 13:30	07/18/08	Aqueous	Same As Above
C08070864-010	719	07/15/08 15:35	07/18/08	Aqueous	Same As Above
C08070864-011	504-B	07/15/08 16:15	07/18/08	Aqueous	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

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

Report Approved By:

STEVE CARLSTON

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CLIENT: United Nuclear Corp
Project: Zone 3
Sample Delivery Group: C08070864

Date: 03-Nov-08

CASE NARRATIVE

REVISED/SUPPLEMENTAL REPORT
The attached analytical report has been revised from a previously submitted report due to a request by James Ewart in an email communication dated 11/3/2008 for a correction of U flags on Samples 2, 4, 5 and 6. The data presented here reflects this correction to the samples affected. The laboratory apologizes for any inconvenience this may have caused.

ANALYTICAL COMMENTS
The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of 5 pCi/L if there is sufficient sample to process 1.0 L, and this is reported on a sample specific basis.

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

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.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

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.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
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

CERTFICATIONS:
USEPA: WY00002; FL-DOH NELAC: E87641; Arizona: AZ0699; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

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

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

APPENDIX – D (2 OF 2)

FOURTH QUARTER

LABORATORY QUALITY CONTROL AND

PERFORMANCE REPORT

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ANALYTICAL SUMMARY REPORT

November 20, 2008

United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C08100471 Quote ID: C129 - Quarterly Long List

Project Name: Alluvium

Energy Laboratories, Inc. received the following 16 samples for United Nuclear Corp on 10/10/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08100471-001	509-D	10/06/08 09:05	10/10/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity QA Calculations Chloride Arsenic Speciation Selenium-IV, Total Sample Filtering Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics
C08100471-002	EPA-23	10/06/08 09:50	10/10/08	Aqueous	Same As Above
C08100471-003	803	10/06/08 10:35	10/10/08	Aqueous	Same As Above
C08100471-004	808	10/06/08 11:45	10/10/08	Aqueous	Same As Above
C08100471-005	802	10/06/08 12:30	10/10/08	Aqueous	Same As Above
C08100471-006	801	10/06/08 13:05	10/10/08	Aqueous	Same As Above
C08100471-007	GW-2	10/06/08 14:00	10/10/08	Aqueous	Same As Above
C08100471-008	GW-1	10/06/08 15:10	10/10/08	Aqueous	Same As Above
C08100471-009	632	10/06/08 15:55	10/10/08	Aqueous	Same As Above
C08100471-010	624	10/07/08 08:55	10/10/08	Aqueous	Same As Above
C08100471-011	SBL-1	10/07/08 09:40	10/10/08	Aqueous	Same As Above
C08100471-012	EPA-28	10/07/08 10:25	10/10/08	Aqueous	Same As Above
C08100471-013	EPA-28 Duplicate	10/07/08 10:55	10/10/08	Aqueous	Same As Above
C08100471-014	GW-3	10/07/08 13:20	10/10/08	Aqueous	Same As Above
C08100471-015	EPA-25	10/07/08 14:15	10/10/08	Aqueous	Same As Above
C08100471-016	627	10/07/08 15:05	10/10/08	Aqueous	Same As Above

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ANALYTICAL SUMMARY REPORT

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

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

Report Approved By: Stephanie Waldrop

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CLIENT: United Nuclear Corp
Project: Alluvium
Sample Delivery Group: C08100471

Date: 20-Nov-08

CASE NARRATIVE

PB210 ANALYSIS
The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis.

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

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.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

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.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
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eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTFICATIONS:
USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

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ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 11/20/08
Work Order: C08100471

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: R109167
Sample ID: MBLK-1	Method Blank				Run: MANTECH_081013A				10/13/08 13:02
Alkalinity, Total as CaCO3	ND	mg/L	0.2						
Bicarbonate as HCO3	ND	mg/L	1						
Sample ID: LCS-1	Laboratory Control Sample				Run: MANTECH_081013A				10/13/08 13:08
Alkalinity, Total as CaCO3	197	mg/L	1.0	98	90	110			
Sample ID: C08100471-010BMS	Sample Matrix Spike				Run: MANTECH_081013A				10/13/08 15:50
Alkalinity, Total as CaCO3	1260	mg/L	1.0	95	80	120			
Sample ID: C08100471-010BMSD	Sample Matrix Spike Duplicate				Run: MANTECH_081013A				10/13/08 15:59
Alkalinity, Total as CaCO3	1270	mg/L	1.0	106	80	120	1.1	20	
Method: A2540 C									Batch: 081013_1_SLDS-TDS-W
Sample ID: MBLK1_081013	Method Blank				Run: BAL-1_081013A				10/13/08 08:39
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: LCS1_081013	Laboratory Control Sample				Run: BAL-1_081013A				10/13/08 08:39
Solids, Total Dissolved TDS @ 180 C	988	mg/L	10	99	90	110			
Sample ID: C08100422-001BMS	Sample Matrix Spike				Run: BAL-1_081013A				10/13/08 08:51
Solids, Total Dissolved TDS @ 180 C	2250	mg/L	10	103	90	110			
Sample ID: C08100422-001BMSD	Sample Matrix Spike Duplicate				Run: BAL-1_081013A				10/13/08 08:51
Solids, Total Dissolved TDS @ 180 C	2230	mg/L	10	102	90	110	1	10	
Sample ID: C08100442-001AMS	Sample Matrix Spike				Run: BAL-1_081013A				10/13/08 09:00
Solids, Total Dissolved TDS @ 180 C	2590	mg/L	10	101	90	110			
Sample ID: C08100442-001AMSD	Sample Matrix Spike Duplicate				Run: BAL-1_081013A				10/13/08 09:00
Solids, Total Dissolved TDS @ 180 C	2590	mg/L	10	102	90	110	0.3	10	
Sample ID: C08100471-005AMS	Sample Matrix Spike				Run: BAL-1_081013A				10/13/08 09:13
Solids, Total Dissolved TDS @ 180 C	12700	mg/L	10	95	90	110			
Sample ID: C08100471-005AMSD	Sample Matrix Spike Duplicate				Run: BAL-1_081013A				10/13/08 09:13
Solids, Total Dissolved TDS @ 180 C	12600	mg/L	10	94	90	110	0.2	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 11/20/08
Work Order: C08100471

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C								Batch: 081014_1_SLDS-TDS-W	
Sample ID: MBLK1_081014	Method Blank				Run: BAL-1_081014B				10/14/08 08:30
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: LCS1_081014	Laboratory Control Sample				Run: BAL-1_081014B				10/14/08 08:30
Solids, Total Dissolved TDS @ 180 C	1010	mg/L	10	101	90	110			
Sample ID: C08100501-003AMS	Sample Matrix Spike				Run: BAL-1_081014B				10/14/08 08:33
Solids, Total Dissolved TDS @ 180 C	2400	mg/L	10	100	90	110			
Sample ID: C08100501-003AMSD	Sample Matrix Spike Duplicate				Run: BAL-1_081014B				10/14/08 08:33
Solids, Total Dissolved TDS @ 180 C	2410	mg/L	10	101	90	110	0.3	10	
Method: A3114 B								Batch: SE3114-081017A	
Sample ID: MBLK	Method Blank				Run: CVAA-C202_081017A				10/17/08 08:02
Selenium-IV	ND	mg/L	0.0003						
Sample ID: 288-155-2	Laboratory Control Sample				Run: CVAA-C202_081017A				10/17/08 08:04
Selenium-IV	0.0524	mg/L	0.0010	105	90	110			
Sample ID: C08100145-001EMS	Sample Matrix Spike				Run: CVAA-C202_081017A				10/17/08 08:10
Selenium-IV	0.0539	mg/L	0.0010	108	85	115			
Sample ID: C08100145-001EMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_081017A				10/17/08 08:12
Selenium-IV	0.0551	mg/L	0.0010	110	85	115	2.1	10	
Sample ID: C08100471-011DMS	Sample Matrix Spike				Run: CVAA-C202_081017A				10/17/08 08:56
Selenium-IV	0.0500	mg/L	0.0010	100	85	115			
Sample ID: C08100471-011DMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_081017A				10/17/08 08:59
Selenium-IV	0.0489	mg/L	0.0010	98	85	115	2.2	10	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 11/20/08
Work Order: C08100471

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-Cl B									Batch: 081014A-CL-TTR-W
Sample ID: MBLK9-081014A	Method Blank				Run: TITRATION_081014A				10/14/08 06:55
Chloride	ND	mg/L	0.4						
Sample ID: LCS35-081014A	Laboratory Control Sample				Run: TITRATION_081014A				10/14/08 07:46
Chloride	3570	mg/L	1.0	101	90	110			
Sample ID: C08100471-004BMS	Sample Matrix Spike				Run: TITRATION_081014A				10/14/08 08:28
Chloride	524	mg/L	1.0	101	90	110			
Sample ID: C08100471-004BMSD	Sample Matrix Spike Duplicate				Run: TITRATION_081014A				10/14/08 08:29
Chloride	520	mg/L	1.0	100	90	110	0.7	10	
Sample ID: C08100471-014BMS	Sample Matrix Spike				Run: TITRATION_081014A				10/14/08 08:49
Chloride	492	mg/L	1.0	98	90	110			
Sample ID: C08100471-014BMSD	Sample Matrix Spike Duplicate				Run: TITRATION_081014A				10/14/08 08:49
Chloride	499	mg/L	1.0	100	90	110	1.4	10	
Method: A4500-Cl B									Batch: 081104-CL-TTR-W
Sample ID: MBLK9-081104	Method Blank				Run: TITRATION_081104A				11/04/08 12:16
Chloride	ND	mg/L	0.4						
Sample ID: C08100485-002BMS	Sample Matrix Spike				Run: TITRATION_081104A				11/04/08 13:21
Chloride	605	mg/L	1.0	102	90	110			
Sample ID: C08100485-002BMSD	Sample Matrix Spike Duplicate				Run: TITRATION_081104A				11/04/08 13:21
Chloride	605	mg/L	1.0	102	90	110	0	10	
Sample ID: LCS35-081104	Laboratory Control Sample				Run: TITRATION_081104A				11/04/08 14:27
Chloride	3490	mg/L	1.0	98	90	110			
Method: A4500-H B									Analytical Run: ORION555A_081013A
Sample ID: ICV1_081013_1	Initial Calibration Verification Standard								10/13/08 10:08
pH	6.82	s.u.	0.010	99	98	102			
Method: A4500-H B									Batch: 081013_1_PH-W_555A-1
Sample ID: C08100471-004ADUP	Sample Duplicate				Run: ORION555A_081013A				10/13/08 11:34
pH	6.76	s.u.	0.010				0.9	10	
Sample ID: C08100471-014ADUP	Sample Duplicate				Run: ORION555A_081013A				10/13/08 12:14
pH	6.89	s.u.	0.010				0.3	10	

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: 11/20/08
Work Order: C08100471

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B								Analytical Run: ORION555A_081013B	
Sample ID: ICV1_081013_2	Initial Calibration Verification Standard							10/13/08 13:32	
pH	6.88	s.u.	0.010	100	98	102			
Method: A4500-H B								Batch: 081013_2_PH-W_555A-1	
Sample ID: C08100504-005ADUP	*Sample Duplicate*				Run: ORION555A_081013B			10/13/08 14:17	
pH	8.13	s.u.	0.010				0.2	10	
Sample ID: C08100504-015ADUP	Sample Duplicate				Run: ORION555A_081013B			10/13/08 14:55	
pH	8.13	s.u.	0.010				0.4	10	
Method: A4500-SO4 E								Batch: 081016_1_SO4-TURB-W	
Sample ID: LCS-1_081016	Laboratory Control Sample				Run: TURB-2_081016A			10/16/08 10:49	
Sulfate	5020	mg/L	59	105	90	110			
Sample ID: MBLK-1_081016	Method Blank				Run: TURB-2_081016A			10/16/08 10:49	
Sulfate	ND	mg/L	0.6						
Sample ID: C08100471-007BMS	Sample Matrix Spike				Run: TURB-2_081016A			10/16/08 14:12	
Sulfate	9480	mg/L	150	106	90	110			
Sample ID: C08100471-007BMSD	Sample Matrix Spike Duplicate				Run: TURB-2_081016A			10/16/08 14:12	
Sulfate	9280	mg/L	150	102	90	110	2.1	10	
Method: A4500-SO4 E								Batch: 081106_1_SO4-TURB-W	
Sample ID: LCS-1_081106	Laboratory Control Sample				Run: TURB-2_081106A			11/06/08 15:34	
Sulfate	4980	mg/L	59	104	90	110			
Sample ID: MBLK-1_081106	Method Blank				Run: TURB-2_081106A			11/06/08 15:34	
Sulfate	ND	mg/L	0.6						
Sample ID: C08101294-004AMS	Sample Matrix Spike				Run: TURB-2_081106A			11/06/08 16:05	
Sulfate	850	mg/L	15	102	90	110			
Sample ID: C08101294-004AMSD	Sample Matrix Spike Duplicate				Run: TURB-2_081106A			11/06/08 16:05	
Sulfate	828	mg/L	15	98	90	110	2.7	10	

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: 11/20/08
Work Order: C08100471

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E1632AM									Batch: H_R49346
Sample ID: MBLK_13r	Method Blank				Run: SUB-H49346				10/21/08 17:07
Arsenic-III	ND	ug/L	0.3						
Sample ID: AS081021-LCS	Laboratory Control Sample				Run: SUB-H49346				10/21/08 17:15
Arsenic-III	54.9	ug/L	5.0	110	90	110			
Sample ID: H08100197-005D MS	Sample Matrix Spike				Run: SUB-H49346				10/21/08 18:16
Arsenic-III	66.5	ug/L	5.0	133	80	120			S
Sample ID: H08100197-005D MSD	Sample Matrix Spike Duplicate				Run: SUB-H49346				10/21/08 18:25
Arsenic-III	68.1	ug/L	5.0	136	80	120	2.3	20	S
Sample ID: C08100471-010D	Sample Duplicate				Run: SUB-H49346				10/21/08 19:30
Arsenic-III	ND	ug/L	1.0				0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 11/20/08
Work Order: C08100471

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R109978
Sample ID: MB-081028A	Method Blank				Run: ICP2-C_081028A				10/28/08 13:32
Calcium	ND	mg/L	0.1						
Magnesium	-0.005	mg/L							
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Sample ID: LFB-081028A	Laboratory Fortified Blank				Run: ICP2-C_081028A				10/28/08 13:36
Calcium	52.6	mg/L	0.50	105	85	125			
Magnesium	51.3	mg/L	0.50	103	85	125			
Potassium	45.0	mg/L	0.50	90	85	125			
Sodium	48.7	mg/L	0.77	97	85	125			
Sample ID: C08100471-001CMS2	Sample Matrix Spike				Run: ICP2-C_081028A				10/28/08 19:30
Calcium	1410	mg/L	1.1	98	70	130			
Magnesium	875	mg/L	1.0	102	70	130			
Potassium	469	mg/L	1.0	91	70	130			
Sodium	847	mg/L	7.7	100	70	130			
Sample ID: C08100471-001CMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_081028A				10/28/08 19:34
Calcium	1420	mg/L	1.1	100	70	130	0.6	20	
Magnesium	873	mg/L	1.0	102	70	130	0.2	20	
Potassium	469	mg/L	1.0	91	70	130	0	20	
Sodium	844	mg/L	7.7	99	70	130	0.4	20	
Sample ID: C08100471-011CMS2	Sample Matrix Spike				Run: ICP2-C_081028A				10/28/08 20:42
Calcium	1010	mg/L	1.1	102	70	130			
Magnesium	1610	mg/L	1.0	97	70	130			
Potassium	467	mg/L	1.0	91	70	130			
Sodium	792	mg/L	7.7	100	70	130			
Sample ID: C08100471-011CMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_081028A				10/28/08 20:46
Calcium	986	mg/L	1.1	96	70	130	2.9	20	
Magnesium	1570	mg/L	1.0	89	70	130	2.4	20	
Potassium	474	mg/L	1.0	92	70	130	1.4	20	
Sodium	800	mg/L	7.7	101	70	130	1	20	
Sample ID: C08100504-001CMS2	Sample Matrix Spike				Run: ICP2-C_081028A				10/28/08 21:51
Calcium	341	mg/L	1.0	94	70	130			
Magnesium	250	mg/L	1.0	98	70	130			
Potassium	95.4	mg/L	1.0	92	70	130			
Sodium	100	mg/L	1.5	96	70	130			
Sample ID: C08100504-001CMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_081028A				10/28/08 21:55
Calcium	339	mg/L	1.0	91	70	130	0.8	20	
Magnesium	248	mg/L	1.0	96	70	130	0.7	20	
Potassium	95.5	mg/L	1.0	92	70	130	0	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 11/20/08
Work Order: C08100471

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R109978
Sample ID: C08100504-001CMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_081028A				10/28/08 21:55
Sodium	102	mg/L	1.5	98	70	130	1.6	20	
Method: E200.7									Batch: R110379
Sample ID: MB-081104A	Method Blank				Run: ICP2-C_081104A				11/04/08 13:13
Calcium	ND	mg/L	0.1						
Magnesium	ND	mg/L	0.04						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Sample ID: LFB-081104A	Laboratory Fortified Blank				Run: ICP2-C_081104A				11/04/08 13:18
Calcium	50.7	mg/L	0.50	101	85	125			
Magnesium	50.6	mg/L	0.50	101	85	125			
Potassium	45.5	mg/L	0.50	91	85	125			
Sodium	49.6	mg/L	0.77	99	85	125			
Sample ID: C08100471-010CMS2	Sample Matrix Spike				Run: ICP2-C_081104A				11/04/08 13:52
Calcium	1120	mg/L	1.1	92	70	130			
Magnesium	878	mg/L	1.0	95	70	130			
Potassium	445	mg/L	1.0	88	70	130			
Sodium	731	mg/L	7.7	97	70	130			
Sample ID: C08100471-010CMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_081104A				11/04/08 13:56
Calcium	1140	mg/L	1.1	96	70	130	1.8	20	
Magnesium	902	mg/L	1.0	100	70	130	2.6	20	
Potassium	452	mg/L	1.0	89	70	130	1.5	20	
Sodium	729	mg/L	7.7	96	70	130	0.3	20	
Sample ID: C08100849-005CMS2	Sample Matrix Spike				Run: ICP2-C_081104A				11/04/08 14:37
Calcium	589	mg/L	1.0	90	70	130			
Magnesium	402	mg/L	1.0	95	70	130			
Potassium	224	mg/L	1.0	87	70	130			
Sodium	437	mg/L	3.9	97	70	130			
Sample ID: C08100849-005CMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_081104A				11/04/08 14:41
Calcium	583	mg/L	1.0	88	70	130	1	20	
Magnesium	401	mg/L	1.0	94	70	130	0.4	20	
Potassium	224	mg/L	1.0	87	70	130	0	20	
Sodium	437	mg/L	3.9	97	70	130	0	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 11/20/08
Work Order: C08100471

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: 20117
Sample ID: MB-20117	Method Blank				Run: ICPMS4-C_081023A				10/24/08 01:31
Aluminum	ND	mg/L	0.0003						
Beryllium	ND	mg/L	0.0002						
Cadmium	2E-05	mg/L	2E-05						
Cobalt	ND	mg/L	1E-05						
Lead	ND	mg/L	5E-05						
Manganese	ND	mg/L	2E-05						
Molybdenum	8E-05	mg/L	4E-05						
Nickel	ND	mg/L	3E-05						
Uranium	ND	mg/L	5E-05						
Vanadium	0.009	mg/L	0.0001						
Sample ID: LCS3-20117	Laboratory Control Sample				Run: ICPMS4-C_081023A				10/24/08 02:05
Aluminum	2.41	mg/L	0.10	96	85	115			
Beryllium	0.252	mg/L	0.010	101	85	115			
Cadmium	0.272	mg/L	0.010	109	85	115			
Cobalt	0.529	mg/L	0.010	106	85	115			
Lead	0.511	mg/L	0.050	102	85	115			
Manganese	2.60	mg/L	0.010	104	85	115			
Molybdenum	0.511	mg/L	0.10	102	85	115			
Nickel	0.544	mg/L	0.050	109	85	115			
Uranium	0.492	mg/L	0.00049	98	85	115			
Vanadium	0.534	mg/L	0.10	107	85	115			
Sample ID: C08100528-001BMS3	Sample Matrix Spike				Run: ICPMS4-C_081023A				10/24/08 03:31
Aluminum	2.38	mg/L	0.10	95	70	130			
Beryllium	0.237	mg/L	0.010	95	70	130			
Cadmium	0.266	mg/L	0.010	106	70	130			
Cobalt	0.512	mg/L	0.010	102	70	130			
Lead	0.510	mg/L	0.050	102	70	130			
Manganese	2.52	mg/L	0.010	100	70	130			
Molybdenum	0.499	mg/L	0.10	100	70	130			
Nickel	0.517	mg/L	0.050	103	70	130			
Uranium	0.484	mg/L	0.00049	97	70	130			
Vanadium	0.515	mg/L	0.10	101	70	130			
Sample ID: C08100528-001BMSD3	Sample Matrix Spike Duplicate				Run: ICPMS4-C_081023A				10/24/08 03:38
Aluminum	2.49	mg/L	0.10	100	70	130	4.6	20	
Beryllium	0.251	mg/L	0.010	100	70	130	5.8	20	
Cadmium	0.274	mg/L	0.010	110	70	130	2.9	20	
Cobalt	0.529	mg/L	0.010	106	70	130	3.3	20	
Lead	0.528	mg/L	0.050	106	70	130	3.5	20	
Manganese	2.61	mg/L	0.010	104	70	130	3.6	20	
Molybdenum	0.511	mg/L	0.10	102	70	130	2.3	20	
Nickel	0.567	mg/L	0.050	113	70	130	9.2	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 11/20/08
Work Order: C08100471

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: 20117
Sample ID: C08100528-001BMSD3	Sample Matrix Spike Duplicate				Run: ICPMS4-C_081023A				10/24/08 03:38
Uranium	0.501	mg/L	0.00049	100	70	130	3.6	20	
Vanadium	0.567	mg/L	0.10	111	70	130	9.7	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 11/20/08
Work Order: C08100471

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: R109712	
Sample ID: LRB	Method Blank				Run: ICPMS4-C_081022A			10/22/08 12:38	
Cadmium	1E-05	mg/L	3E-06						
Cobalt	ND	mg/L	5E-06						
Lead	ND	mg/L	3E-06						
Manganese	1E-05	mg/L	6E-06						
Molybdenum	4E-05	mg/L	9E-06						
Nickel	ND	mg/L	3E-05						
Uranium	ND	mg/L	2E-06						
Vanadium	ND	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS4-C_081022A			10/22/08 12:45	
Cadmium	0.0539	mg/L	0.0010	108	85	115			
Cobalt	0.0549	mg/L	0.0010	110	85	115			
Lead	0.0536	mg/L	0.0010	107	85	115			
Manganese	0.0548	mg/L	0.0010	110	85	115			
Molybdenum	0.0535	mg/L	0.0010	107	85	115			
Nickel	0.0548	mg/L	0.0010	110	85	115			
Uranium	0.0511	mg/L	0.00030	102	85	115			
Vanadium	0.0541	mg/L	0.0010	108	85	115			
Sample ID: C08100471-006DMS4	Sample Matrix Spike				Run: ICPMS4-C_081022A			10/22/08 21:12	
Cadmium	0.260	mg/L	0.010	104	70	130			
Cobalt	0.230	mg/L	0.010	91	70	130			
Lead	0.272	mg/L	0.050	109	70	130			
Manganese	4.14	mg/L	0.010		70	130			A
Molybdenum	0.234	mg/L	0.10	94	70	130			
Nickel	0.254	mg/L	0.050	95	70	130			
Uranium	0.301	mg/L	0.00030	105	70	130			
Vanadium	0.222	mg/L	0.10	89	70	130			
Sample ID: C08100471-006DMSD4	Sample Matrix Spike Duplicate				Run: ICPMS4-C_081022A			10/22/08 21:19	
Cadmium	0.264	mg/L	0.010	105	70	130	1.5	20	
Cobalt	0.232	mg/L	0.010	91	70	130	0.9	20	
Lead	0.271	mg/L	0.050	109	70	130	0.1	20	
Manganese	4.14	mg/L	0.010		70	130	0.1	20	A
Molybdenum	0.241	mg/L	0.10	96	70	130	2.9	20	
Nickel	0.258	mg/L	0.050	97	70	130	1.5	20	
Uranium	0.301	mg/L	0.00030	105	70	130	0.1	20	
Vanadium	0.224	mg/L	0.10	89	70	130	0.9	20	
Sample ID: C08100471-016DMS4	Sample Matrix Spike				Run: ICPMS4-C_081022A			10/22/08 22:41	
Cadmium	0.249	mg/L	0.010	100	70	130			
Cobalt	0.242	mg/L	0.010	97	70	130			
Lead	0.256	mg/L	0.050	102	70	130			
Manganese	0.268	mg/L	0.010	93	70	130			

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

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 11/20/08
Work Order: C08100471

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R109712
Sample ID: C08100471-016DMS4	Sample Matrix Spike				Run: ICPMS4-C_081022A				10/22/08 22:41
Molybdenum	0.246	mg/L	0.10	98	70	130			
Nickel	0.243	mg/L	0.050	96	70	130			
Uranium	0.262	mg/L	0.00030	97	70	130			
Vanadium	0.234	mg/L	0.10	94	70	130			
Sample ID: C08100471-016DMSD4	Sample Matrix Spike Duplicate				Run: ICPMS4-C_081022A				10/22/08 22:47
Cadmium	0.249	mg/L	0.010	100	70	130	0.1	20	
Cobalt	0.238	mg/L	0.010	95	70	130	1.8	20	
Lead	0.253	mg/L	0.050	101	70	130	0.9	20	
Manganese	0.266	mg/L	0.010	92	70	130	0.8	20	
Molybdenum	0.244	mg/L	0.10	97	70	130	0.8	20	
Nickel	0.241	mg/L	0.050	96	70	130	0.9	20	
Uranium	0.260	mg/L	0.00030	96	70	130	0.9	20	
Vanadium	0.232	mg/L	0.10	93	70	130	0.7	20	

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QA/QC Summary Report

Client: United Nuclear Corp
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Report Date: 11/20/08
Work Order: C08100471

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R109776
Sample ID: LRB	Method Blank				Run: ICPMS4-C_081023A				10/23/08 13:58
Aluminum	ND	mg/L	0.0001						
Beryllium	ND	mg/L	4E-06						
Sample ID: C08100952-010AMS4	Sample Matrix Spike				Run: ICPMS4-C_081023A				10/23/08 22:24
Aluminum	0.0725	mg/L	0.10	88	70	130			
Beryllium	0.0433	mg/L	0.010	86	70	130			
Sample ID: C08100952-010AMSD4	Sample Matrix Spike Duplicate				Run: ICPMS4-C_081023A				10/23/08 22:30
Aluminum	0.0783	mg/L	0.10	99	70	130	0	20	
Beryllium	0.0433	mg/L	0.010	86	70	130	0.1	20	
Sample ID: C08100471-007DMS4	Sample Matrix Spike				Run: ICPMS4-C_081023A				10/24/08 07:06
Aluminum	0.257	mg/L	0.10	103	70	130			
Beryllium	0.239	mg/L	0.010	95	70	130			
Sample ID: C08100471-007DMSD4	Sample Matrix Spike Duplicate				Run: ICPMS4-C_081023A				10/24/08 07:12
Aluminum	0.249	mg/L	0.10	100	70	130	2.9	20	
Beryllium	0.229	mg/L	0.010	92	70	130	3.9	20	
Sample ID: C08100509-002CMS4	Sample Matrix Spike				Run: ICPMS4-C_081023A				10/24/08 08:32
Aluminum	0.0488	mg/L	0.10	90	70	130			
Beryllium	0.0470	mg/L	0.010	94	70	130			
Sample ID: C08100509-002CMSD4	Sample Matrix Spike Duplicate				Run: ICPMS4-C_081023A				10/24/08 08:39
Aluminum	0.0479	mg/L	0.10	88	70	130	0	20	
Beryllium	0.0460	mg/L	0.010	92	70	130	2.2	20	
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS4-C_081023A				10/24/08 08:48
Aluminum	0.0461	mg/L	0.0010	92	85	115			
Beryllium	0.0494	mg/L	0.0010	99	85	115			

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 11/20/08
Work Order: C08100471

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R111218
Sample ID: LRB	Method Blank				Run: ICPMS4-C_081119A				11/19/08 13:38
Aluminum	0.0009	mg/L	0.0001						
Beryllium	ND	mg/L	4E-06						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS4-C_081119A				11/19/08 13:44
Aluminum	0.055	mg/L	0.0010	107	85	115			
Beryllium	0.054	mg/L	0.0010	107	85	115			
Sample ID: C08110382-002BMS3	Sample Matrix Spike				Run: ICPMS4-C_081119A				11/19/08 14:30
Aluminum	2.8	mg/L	0.10	97	70	130			
Beryllium	0.25	mg/L	0.010	98	70	130			
Sample ID: C08110382-002BMSD3	Sample Matrix Spike Duplicate				Run: ICPMS4-C_081119A				11/19/08 15:02
Aluminum	2.9	mg/L	0.10	99	70	130	1.8	20	
Beryllium	0.25	mg/L	0.010	98	70	130	0	20	
Method: E350.1									Batch: B_R119291
Sample ID: MBLK	Method Blank				Run: SUB-B119291				10/16/08 14:29
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B119291				10/16/08 14:30
Nitrogen, Ammonia as N	1.03	mg/L	0.10	104	90	110			
Sample ID: B08101270-001CMS	Sample Matrix Spike				Run: SUB-B119291				10/16/08 15:28
Nitrogen, Ammonia as N	0.970	mg/L	0.10	97	90	110			
Sample ID: B08101270-001CMSD	Sample Matrix Spike Duplicate				Run: SUB-B119291				10/16/08 15:29
Nitrogen, Ammonia as N	0.970	mg/L	0.10	97	90	110	0.1	10	
Sample ID: C08100471-007E	Sample Matrix Spike				Run: SUB-B119291				10/16/08 15:43
Nitrogen, Ammonia as N	5.59	mg/L	0.11	93	90	110			
Sample ID: C08100471-007E	Sample Matrix Spike Duplicate				Run: SUB-B119291				10/16/08 15:44
Nitrogen, Ammonia as N	5.52	mg/L	0.11	92	90	110	1.3	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 11/20/08
Work Order: C08100471

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2									Batch: B_R119194
Sample ID: MBLK	Method Blank				Run: SUB-B119194				10/15/08 09:38
Nitrogen, Nitrate+Nitrite as N	0.002	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B119194				10/15/08 09:40
Nitrogen, Nitrate+Nitrite as N	0.998	mg/L	0.050	102	90	110			
Sample ID: B08101277-008EMS	Sample Matrix Spike				Run: SUB-B119194				10/15/08 13:51
Nitrogen, Nitrate+Nitrite as N	204	mg/L	0.16	105	90	110			
Sample ID: B08101277-008EMSD	Sample Matrix Spike Duplicate				Run: SUB-B119194				10/15/08 13:53
Nitrogen, Nitrate+Nitrite as N	204	mg/L	0.16	104	90	110	0	10	
Sample ID: B08101354-007BMS	Sample Matrix Spike				Run: SUB-B119194				10/15/08 13:35
Nitrogen, Nitrate+Nitrite as N	2.85	mg/L	0.050	103	90	110			
Sample ID: B08101354-007BMSD	Sample Matrix Spike Duplicate				Run: SUB-B119194				10/15/08 13:36
Nitrogen, Nitrate+Nitrite as N	2.86	mg/L	0.050	104	90	110	0.5	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 11/20/08
Work Order: C08100471

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R109301
Sample ID: MB	Method Blank				Run: GCMS2_081014A				10/14/08 14:27
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Trihalomethanes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4			1.0	101	80	120			
Surr: Dibromofluoromethane			1.0	84	80	120			
Surr: p-Bromofluorobenzene			1.0	104	80	120			
Surr: Toluene-d8			1.0	99	80	120			
Sample ID: 14-Oct-08_LCS_3	Laboratory Control Sample				Run: GCMS2_081014A				10/14/08 17:11
Bromodichloromethane	8.48	ug/L	1.0	85	70	130			
Bromoform	9.72	ug/L	1.0	97	70	130			
Chlorodibromomethane	9.40	ug/L	1.0	94	70	130			
Chloroform	9.04	ug/L	1.0	90	70	130			
Trihalomethanes, Total	36.6	ug/L	1.0	92	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	94	80	120			
Surr: Dibromofluoromethane			1.0	78	80	120			S
Surr: p-Bromofluorobenzene			1.0	100	80	120			
Surr: Toluene-d8			1.0	98	80	120			
Sample ID: C08100485-001GMS	Sample Matrix Spike				Run: GCMS2_081014A				10/15/08 01:00
Bromodichloromethane	81.2	ug/L	5.0	81	70	130			
Bromoform	96.8	ug/L	5.0	97	70	130			
Chlorodibromomethane	89.2	ug/L	5.0	89	70	130			
Chloroform	221	ug/L	5.0	75	70	130			
Trihalomethanes, Total	488	ug/L	5.0	86	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	102	80	120			
Surr: Dibromofluoromethane			1.0	99	80	120			
Surr: p-Bromofluorobenzene			1.0	102	80	120			
Surr: Toluene-d8			1.0	100	80	120			
Sample ID: C08100485-001GMSD	Sample Matrix Spike Duplicate				Run: GCMS2_081014A				10/15/08 01:40
Bromodichloromethane	87.6	ug/L	5.0	88	70	130	7.6	20	
Bromoform	107	ug/L	5.0	107	70	130	9.8	20	
Chlorodibromomethane	98.4	ug/L	5.0	98	70	130	9.8	20	
Chloroform	229	ug/L	5.0	83	70	130	3.4	20	
Trihalomethanes, Total	522	ug/L	5.0	94	70	130	6.6	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	102	80	120			
Surr: Dibromofluoromethane			1.0	99	80	120			
Surr: p-Bromofluorobenzene			1.0	102	80	120			
Surr: Toluene-d8			1.0	100	80	120			

Qualifiers:

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S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 11/20/08
Work Order: C08100471

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1									Batch: GA-0179
Sample ID: MB-GA-0179	Method Blank				Run: G5000W_081027A				10/30/08 11:23
Gross Alpha minus Rn & U	0.8	pCi/L							
Sample ID: LCS-GA-0179	Laboratory Control Sample				Run: G5000W_081027A				10/30/08 11:23
Gross Alpha minus Rn & U	26.7	pCi/L		98	70	130			
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: G5000W_081027A				10/30/08 15:08
Gross Alpha minus Rn & U	26.4	pCi/L		94	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: G5000W_081027A				10/30/08 15:08
Gross Alpha minus Rn & U	29.4	pCi/L		106	70	130	11	22.7	
Method: E900.1									Batch: GA-0187
Sample ID: MB-GA-0187	Method Blank				Run: BERTHOLD 770-2_081112A				11/14/08 18:40
Gross Alpha minus Rn & U	-0.2	pCi/L							U
Sample ID: LCS-GA-0187	Laboratory Control Sample				Run: BERTHOLD 770-2_081112A				11/14/08 18:40
Gross Alpha minus Rn & U	23.3	pCi/L		89	70	130			
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770-2_081112A				11/14/08 18:40
Gross Alpha minus Rn & U	25.3	pCi/L		95	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770-2_081112A				11/14/08 18:40
Gross Alpha minus Rn & U	25.4	pCi/L		95	70	130	0.5	26.3	
Method: E903.0									Batch: RA226-3190
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770_081027E				11/10/08 13:31
Radium 226	7.1	pCi/L		91	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_081027E				11/10/08 13:31
Radium 226	6.8	pCi/L		86	70	130	5.2	24.2	
Sample ID: MB-RA226-3190	Method Blank				Run: BERTHOLD 770_081027E				11/10/08 13:31
Radium 226	-0.2	pCi/L							U
Sample ID: LCS-RA226-3190	Laboratory Control Sample				Run: BERTHOLD 770_081027E				11/10/08 13:31
Radium 226	8.5	pCi/L		110	70	130			

Qualifiers:

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ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 11/20/08
Work Order: C08100471

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: RA226-3191
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770_081027G				11/10/08 13:31
Radium 226	7.4	pCi/L		93	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_081027G				11/10/08 13:31
Radium 226	7.2	pCi/L		90	70	130	2.7	24.7	
Sample ID: MB-RA226-3191	Method Blank				Run: BERTHOLD 770_081027G				11/10/08 13:31
Radium 226	-0.1	pCi/L							U
Sample ID: LCS-RA226-3191	Laboratory Control Sample				Run: BERTHOLD 770_081027G				11/10/08 13:31
Radium 226	7.0	pCi/L		91	70	130			
Method: E907.0									Batch: RA-TH-ISO-0667
Sample ID: LCS-RA-TH-ISO-0667	Laboratory Control Sample				Run: EGG-ORTEC_081022A				10/29/08 07:54
Thorium 230	9.50	pCi/L	0.20	87	70	130			
Sample ID: C08100471-001FMS	Sample Matrix Spike				Run: EGG-ORTEC_081022A				10/29/08 07:54
Thorium 230	45.4	pCi/L	0.20	98	70	130			
Sample ID: C08100471-001FMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_081022A				10/29/08 07:54
Thorium 230	44.4	pCi/L	0.20	93	70	130	2.2	40.4	
Sample ID: MB-RA-TH-ISO-0667	Method Blank				Run: EGG-ORTEC_081022A				10/29/08 12:06
Thorium 230	0.08	pCi/L							U
Method: E909.0M									Batch: R110526
Sample ID: C08100471-003FMS	Sample Matrix Spike				Run: PACKARD 3100TR_081027A				10/27/08 10:08
Lead 210	120	pCi/L		112	70	130			
Sample ID: C08100485-002FDUP	Sample Duplicate				Run: PACKARD 3100TR_081027A				10/27/08 10:08
Lead 210	-1.3	pCi/L					1500	30	UR
- The Sample and the Duplicate are both below the MDC; the RPD is acceptable.									
Sample ID: MB-R110526	Method Blank				Run: PACKARD 3100TR_081027A				10/27/08 10:08
Lead 210	0.6	pCi/L							U
Sample ID: LCS-R110526	Laboratory Control Sample				Run: PACKARD 3100TR_081027A				10/27/08 10:08
Lead 210	61	pCi/L		104	70	130			

Qualifiers:

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R - RPD exceeds advisory limit.
ND - Not detected at the reporting limit.
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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 11/20/08
Work Order: C08100471

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05									Batch: RA228-2366
Sample ID: LCS-228-RA226-3190	Laboratory Control Sample				Run: TENNELEC-3_081027A				11/03/08 15:38
Radium 228	7.9	pCi/L		88	70	130			
Sample ID: MB-RA226-3190	Method Blank				Run: TENNELEC-3_081027A				11/03/08 15:38
Radium 228	-0.2	pCi/L							U
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_081027A				11/03/08 15:38
Radium 228	7.1	pCi/L		78	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_081027A				11/03/08 15:38
Radium 228	7.4	pCi/L		81	70	130	4	38.8	
Method: RA-05									Batch: RA228-2367
Sample ID: LCS-228-RA226-3191	Laboratory Control Sample				Run: TENNELEC-3_081027B				11/04/08 10:04
Radium 228	9.4	pCi/L		98	70	130			
Sample ID: MB-RA226-3191	Method Blank				Run: TENNELEC-3_081027B				11/04/08 10:04
Radium 228	0.3	pCi/L							U
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_081027B				11/04/08 10:04
Radium 228	8.5	pCi/L		87	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_081027B				11/04/08 10:04
Radium 228	8.7	pCi/L		89	70	130	2.3	35.8	

Qualifiers:

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ANALYTICAL SUMMARY REPORT

November 14, 2008

United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C08100485 Quote ID: C129 - Quarterly Long List

Project Name: Zone 1

Energy Laboratories, Inc. received the following 3 samples for United Nuclear Corp on 10/10/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08100485-001	614	10/08/08 08:35	10/10/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity QA Calculations Chloride Arsenic Speciation Selenium-IV, Total Sample Filtering Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics
C08100485-002	515-A	10/08/08 09:30	10/10/08	Aqueous	Same As Above
C08100485-003	Field Blank	10/08/08 11:10	10/10/08	Aqueous	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

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

Report Approved By: STEVE CARLSTON

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CLIENT: United Nuclear Corp
Project: Zone 1
Sample Delivery Group: C08100485

Date: *14-Nov-08*

CASE NARRATIVE

PB210 ANALYSIS
The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis.

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

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.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

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.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
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

CERTFICATIONS:
USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

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

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 11/14/08
Work Order: C08100485

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: R109167
Sample ID: MBLK-1	Method Blank				Run: MANTECH_081013A				10/13/08 13:02
Alkalinity, Total as CaCO3	ND	mg/L	0.2						
Bicarbonate as HCO3	ND	mg/L	1						
Sample ID: LCS-1	Laboratory Control Sample				Run: MANTECH_081013A				10/13/08 13:08
Alkalinity, Total as CaCO3	197	mg/L	1.0	98	90	110			
Sample ID: C08100470-010BMS	Sample Matrix Spike				Run: MANTECH_081013A				10/13/08 13:54
Alkalinity, Total as CaCO3	192	mg/L	1.0	98	80	120			
Sample ID: C08100470-010BMSD	Sample Matrix Spike Duplicate				Run: MANTECH_081013A				10/13/08 14:01
Alkalinity, Total as CaCO3	196	mg/L	1.0	101	80	120	1.6	20	
Method: A2540 C									Batch: 081014_1_SLDS-TDS-W
Sample ID: MBLK1_081014	Method Blank				Run: BAL-1_081014B				10/14/08 08:30
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: LCS1_081014	Laboratory Control Sample				Run: BAL-1_081014B				10/14/08 08:30
Solids, Total Dissolved TDS @ 180 C	1010	mg/L	10	101	90	110			
Sample ID: C08100501-003AMS	Sample Matrix Spike				Run: BAL-1_081014B				10/14/08 08:33
Solids, Total Dissolved TDS @ 180 C	2400	mg/L	10	100	90	110			
Sample ID: C08100501-003AMSD	Sample Matrix Spike Duplicate				Run: BAL-1_081014B				10/14/08 08:33
Solids, Total Dissolved TDS @ 180 C	2410	mg/L	10	101	90	110	0.3	10	
Method: A3114 B									Batch: SE3114-081016A
Sample ID: MBLK	Method Blank				Run: CVAA-C202_081016A				10/16/08 09:52
Selenium-IV	ND	mg/L	0.0003						
Sample ID: 288-147-5	Laboratory Control Sample				Run: CVAA-C202_081016A				10/16/08 09:54
Selenium-IV	0.0492	mg/L	0.0010	98	90	110			
Sample ID: C08100145-001EMS	Sample Matrix Spike				Run: CVAA-C202_081016A				10/16/08 10:17
Selenium-IV	0.0514	mg/L	0.0010	103	85	115			
Sample ID: C08100145-001EMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_081016A				10/16/08 10:19
Selenium-IV	0.0504	mg/L	0.0010	101	85	115	2	10	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 11/14/08
Work Order: C08100485

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-Cl B									Batch: 081014A-CL-TTR-W
Sample ID: LCS62-081014A	Laboratory Control Sample				Run: TITRATION_081014A				10/14/08 08:30
Chloride	3610	mg/L	1.0	102	90	110			
Sample ID: MBLK63-081014A	Method Blank				Run: TITRATION_081014A				10/14/08 08:31
Chloride	ND	mg/L	0.4						
Sample ID: C08100471-014BMS	Sample Matrix Spike				Run: TITRATION_081014A				10/14/08 08:49
Chloride	492	mg/L	1.0	98	90	110			
Sample ID: C08100471-014BMSD	Sample Matrix Spike Duplicate				Run: TITRATION_081014A				10/14/08 08:49
Chloride	499	mg/L	1.0	100	90	110	1.4	10	
Method: A4500-Cl B									Batch: 081104-CL-TTR-W
Sample ID: MBLK9-081104	Method Blank				Run: TITRATION_081104A				11/04/08 12:16
Chloride	ND	mg/L	0.4						
Sample ID: C08100485-002BMS	Sample Matrix Spike				Run: TITRATION_081104A				11/04/08 13:21
Chloride	605	mg/L	1.0	102	90	110			
Sample ID: C08100485-002BMSD	Sample Matrix Spike Duplicate				Run: TITRATION_081104A				11/04/08 13:21
Chloride	605	mg/L	1.0	102	90	110	0	10	
Sample ID: LCS35-081104	Laboratory Control Sample				Run: TITRATION_081104A				11/04/08 14:27
Chloride	3490	mg/L	1.0	98	90	110			
Method: A4500-H B									Analytical Run: ORION555A_081013B
Sample ID: ICV1_081013_2	Initial Calibration Verification Standard								10/13/08 13:32
pH	6.88	s.u.	0.010	100	98	102			
Method: A4500-H B									Batch: 081013_2_PH-W_555A-1
Sample ID: C08100504-005ADUP	Sample Duplicate				Run: ORION555A_081013B				10/13/08 14:17
pH	8.13	s.u.	0.010				0.2	10	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 11/14/08
Work Order: C08100485

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-SO4 E								Batch: 081016_1_SO4-TURB-W	
Sample ID: C08100471-007BMS	Sample Matrix Spike				Run: TURB-2_081016A			10/16/08 14:12	
Sulfate	9480	mg/L	150	106	90	110			
Sample ID: C08100471-007BMSD	Sample Matrix Spike Duplicate				Run: TURB-2_081016A			10/16/08 14:12	
Sulfate	9280	mg/L	150	102	90	110	2.1	10	
Sample ID: LCS-4_081016	Laboratory Control Sample				Run: TURB-2_081016A			10/16/08 14:34	
Sulfate	5030	mg/L	59	105	90	110			
Sample ID: MBLK-4_081016	Method Blank				Run: TURB-2_081016A			10/16/08 14:36	
Sulfate	ND	mg/L	0.6						
Method: E1632AM								Batch: H_R49346	
Sample ID: MBLK_13r	Method Blank				Run: SUB-H49346			10/21/08 17:07	
Arsenic-III	ND	ug/L	0.3						
Sample ID: AS081021-LCS	Laboratory Control Sample				Run: SUB-H49346			10/21/08 17:15	
Arsenic-III	54.9	ug/L	5.0	110	90	110			
Sample ID: H08100197-005D MS	Sample Matrix Spike				Run: SUB-H49346			10/21/08 18:16	
Arsenic-III	66.5	ug/L	5.0	133	80	120			S
Sample ID: H08100197-005D MSD	Sample Matrix Spike Duplicate				Run: SUB-H49346			10/21/08 18:25	
Arsenic-III	68.1	ug/L	5.0	136	80	120	2.3	20	S
Sample ID: C08100485-001D	Sample Duplicate				Run: SUB-H49346			10/21/08 20:53	
Arsenic-III	ND	ug/L	1.0				0	20	

Qualifiers:

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S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 11/14/08
Work Order: C08100485

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R109978
Sample ID: MB-081028A	Method Blank				Run: ICP2-C_081028A				10/28/08 13:32
Calcium	ND	mg/L	0.1						
Magnesium	-0.005	mg/L							
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Sample ID: LFB-081028A	Laboratory Fortified Blank				Run: ICP2-C_081028A				10/28/08 13:36
Calcium	52.6	mg/L	0.50	105	85	125			
Magnesium	51.3	mg/L	0.50	103	85	125			
Potassium	45.0	mg/L	0.50	90	85	125			
Sodium	48.7	mg/L	0.77	97	85	125			
Sample ID: C08100504-001CMS2	Sample Matrix Spike				Run: ICP2-C_081028A				10/28/08 21:51
Calcium	341	mg/L	1.0	94	70	130			
Magnesium	250	mg/L	1.0	98	70	130			
Potassium	95.4	mg/L	1.0	92	70	130			
Sodium	100	mg/L	1.5	96	70	130			
Sample ID: C08100504-001CMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_081028A				10/28/08 21:55
Calcium	339	mg/L	1.0	91	70	130	0.8	20	
Magnesium	248	mg/L	1.0	96	70	130	0.7	20	
Potassium	95.5	mg/L	1.0	92	70	130	0	20	
Sodium	102	mg/L	1.5	98	70	130	1.6	20	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 11/14/08
Work Order: C08100485

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R109712
Sample ID: LRB	Method Blank				Run: ICPMS4-C_081022A				10/22/08 12:38
Aluminum	0.001	mg/L	0.0001						
Beryllium	ND	mg/L	4E-06						
Cadmium	1E-05	mg/L	3E-06						
Cobalt	ND	mg/L	5E-06						
Lead	ND	mg/L	3E-06						
Manganese	1E-05	mg/L	6E-06						
Molybdenum	4E-05	mg/L	9E-06						
Nickel	ND	mg/L	3E-05						
Uranium	ND	mg/L	2E-06						
Vanadium	ND	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS4-C_081022A				10/22/08 12:45
Aluminum	0.0548	mg/L	0.0010	107	85	115			
Beryllium	0.0550	mg/L	0.0010	110	85	115			
Cadmium	0.0539	mg/L	0.0010	108	85	115			
Cobalt	0.0549	mg/L	0.0010	110	85	115			
Lead	0.0536	mg/L	0.0010	107	85	115			
Manganese	0.0548	mg/L	0.0010	110	85	115			
Molybdenum	0.0535	mg/L	0.0010	107	85	115			
Nickel	0.0548	mg/L	0.0010	110	85	115			
Uranium	0.0511	mg/L	0.00030	102	85	115			
Vanadium	0.0541	mg/L	0.0010	108	85	115			
Sample ID: C08100509-001CMS4	Sample Matrix Spike				Run: ICPMS4-C_081022A				10/23/08 04:16
Aluminum	0.0441	mg/L	0.10	88	70	130			
Beryllium	0.0442	mg/L	0.010	88	70	130			
Cadmium	0.0491	mg/L	0.010	98	70	130			
Cobalt	0.0484	mg/L	0.010	97	70	130			
Lead	0.0508	mg/L	0.050	98	70	130			
Manganese	0.0758	mg/L	0.010	97	70	130			
Molybdenum	0.0491	mg/L	0.10	95	70	130			
Nickel	0.0492	mg/L	0.050	98	70	130			
Uranium	0.0852	mg/L	0.00030	92	70	130			
Vanadium	0.0514	mg/L	0.10	97	70	130			
Sample ID: C08100509-001CMSD4	Sample Matrix Spike Duplicate				Run: ICPMS4-C_081022A				10/23/08 04:23
Aluminum	0.0449	mg/L	0.10	90	70	130	0	20	
Beryllium	0.0456	mg/L	0.010	91	70	130	3	20	
Cadmium	0.0489	mg/L	0.010	98	70	130	0.4	20	
Cobalt	0.0478	mg/L	0.010	95	70	130	1.2	20	
Lead	0.0504	mg/L	0.050	97	70	130	0.8	20	
Manganese	0.0753	mg/L	0.010	96	70	130	0.7	20	
Molybdenum	0.0486	mg/L	0.10	94	70	130	0	20	
Nickel	0.0479	mg/L	0.050	95	70	130	0	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 11/14/08
Work Order: C08100485

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: R109712	
Sample ID: C08100509-001CMSD4	Sample Matrix Spike Duplicate				Run: ICPMS4-C_081022A			10/23/08 04:23	
Uranium	0.0849	mg/L	0.00030	92	70	130	0.4	20	
Vanadium	0.0505	mg/L	0.10	95	70	130	0	20	
Method: E350.1								Batch: B_R119291	
Sample ID: MBLK	Method Blank				Run: SUB-B119291			10/16/08 14:29	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B119291			10/16/08 14:30	
Nitrogen, Ammonia as N	1.03	mg/L	0.10	104	90	110			
Sample ID: C08100485-001E	Sample Matrix Spike				Run: SUB-B119291			10/16/08 15:58	
Nitrogen, Ammonia as N	62.3	mg/L	0.11	52	90	110			S
Sample ID: C08100485-001E	Sample Matrix Spike Duplicate				Run: SUB-B119291			10/16/08 15:59	
Nitrogen, Ammonia as N	62.3	mg/L	0.11	52	90	110	0.1	10	S
Method: E350.1								Batch: B_R119368	
Sample ID: MBLK	Method Blank				Run: SUB-B119368			10/17/08 13:06	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B119368			10/17/08 13:07	
Nitrogen, Ammonia as N	1.03	mg/L	0.10	105	90	110			
Sample ID: C08100628-001C	Sample Matrix Spike				Run: SUB-B119368			10/17/08 13:42	
Nitrogen, Ammonia as N	0.906	mg/L	0.10	91	90	110			
Sample ID: C08100628-001C	Sample Matrix Spike Duplicate				Run: SUB-B119368			10/17/08 13:43	
Nitrogen, Ammonia as N	0.908	mg/L	0.10	91	90	110	0.2	10	
Method: E353.2								Batch: B_R119194	
Sample ID: MBLK	Method Blank				Run: SUB-B119194			10/15/08 09:38	
Nitrogen, Nitrate+Nitrite as N	0.002	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B119194			10/15/08 09:40	
Nitrogen, Nitrate+Nitrite as N	0.998	mg/L	0.050	102	90	110			
Sample ID: B08101277-008EMS	Sample Matrix Spike				Run: SUB-B119194			10/15/08 13:51	
Nitrogen, Nitrate+Nitrite as N	204	mg/L	0.16	105	90	110			
Sample ID: B08101277-008EMSD	Sample Matrix Spike Duplicate				Run: SUB-B119194			10/15/08 13:53	
Nitrogen, Nitrate+Nitrite as N	204	mg/L	0.16	104	90	110	0	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 11/14/08
Work Order: C08100485

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R109301
Sample ID: MB	Method Blank				Run: GCMS2_081014A				10/14/08 14:27
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Trihalomethanes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4			1.0	101	80	120			
Surr: Dibromofluoromethane			1.0	84	80	120			
Surr: p-Bromofluorobenzene			1.0	104	80	120			
Surr: Toluene-d8			1.0	99	80	120			
Sample ID: 14-Oct-08_LCS_3	Laboratory Control Sample				Run: GCMS2_081014A				10/14/08 17:11
Bromodichloromethane	8.48	ug/L	1.0	85	70	130			
Bromoform	9.72	ug/L	1.0	97	70	130			
Chlorodibromomethane	9.40	ug/L	1.0	94	70	130			
Chloroform	9.04	ug/L	1.0	90	70	130			
Trihalomethanes, Total	36.6	ug/L	1.0	92	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	94	80	120			
Surr: Dibromofluoromethane			1.0	78	80	120			S
Surr: p-Bromofluorobenzene			1.0	100	80	120			
Surr: Toluene-d8			1.0	98	80	120			
Sample ID: C08100485-001GMS	Sample Matrix Spike				Run: GCMS2_081014A				10/15/08 01:00
Bromodichloromethane	81.2	ug/L	5.0	81	70	130			
Bromoform	96.8	ug/L	5.0	97	70	130			
Chlorodibromomethane	89.2	ug/L	5.0	89	70	130			
Chloroform	221	ug/L	5.0	75	70	130			
Trihalomethanes, Total	488	ug/L	5.0	86	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	102	80	120			
Surr: Dibromofluoromethane			1.0	99	80	120			
Surr: p-Bromofluorobenzene			1.0	102	80	120			
Surr: Toluene-d8			1.0	100	80	120			
Sample ID: C08100485-001GMSD	Sample Matrix Spike Duplicate				Run: GCMS2_081014A				10/15/08 01:40
Bromodichloromethane	87.6	ug/L	5.0	88	70	130	7.6	20	
Bromoform	107	ug/L	5.0	107	70	130	9.8	20	
Chlorodibromomethane	98.4	ug/L	5.0	98	70	130	9.8	20	
Chloroform	229	ug/L	5.0	83	70	130	3.4	20	
Trihalomethanes, Total	522	ug/L	5.0	94	70	130	6.6	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	102	80	120			
Surr: Dibromofluoromethane			1.0	99	80	120			
Surr: p-Bromofluorobenzene			1.0	102	80	120			
Surr: Toluene-d8			1.0	100	80	120			

Qualifiers:

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S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 11/14/08
Work Order: C08100485

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1									Batch: GA-0181
Sample ID: MB-GA-0181	Method Blank				Run: G5000W_081028A				10/30/08 16:48
Gross Alpha minus Rn & U	0.6	pCi/L							
Sample ID: LCS-GA-0181	Laboratory Control Sample				Run: G5000W_081028A				10/30/08 16:48
Gross Alpha minus Rn & U	24.9	pCi/L		92	70	130			
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: G5000W_081028A				10/30/08 18:30
Gross Alpha minus Rn & U	28.2	pCi/L		99	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: G5000W_081028A				10/30/08 18:30
Gross Alpha minus Rn & U	26.3	pCi/L		92	70	130	6.9	23.9	
Method: E903.0									Batch: RA226-3192
Sample ID: C08100849-001FMS	Sample Matrix Spike				Run: BERTHOLD 770_081027D				11/10/08 15:05
Radium 226	26	pCi/L		94	70	130			
Sample ID: C08100849-001FMSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_081027D				11/10/08 15:05
Radium 226	28	pCi/L		101	70	130	7.6	23.4	
Sample ID: MB-RA226-3192	Method Blank				Run: BERTHOLD 770_081027D				11/10/08 16:41
Radium 226	-0.2	pCi/L							
Sample ID: LCS-RA226-3192	Laboratory Control Sample				Run: BERTHOLD 770_081027D				11/10/08 16:41
Radium 226	7.6	pCi/L		99	70	130			
Method: E907.0									Batch: RA-TH-ISO-0668
Sample ID: LCS-RA-TH-ISO-0668	Laboratory Control Sample				Run: EGG-ORTEC_081023B				10/30/08 08:06
Thorium 230	9.27	pCi/L	0.20	87	70	130			
Sample ID: C08100478-001FDUP	Sample Duplicate				Run: EGG-ORTEC_081023B				10/30/08 08:06
Thorium 230	580	pCi/L	0.20				22	30	
- The sample used for the MS/MSD had greatly higher activity than the spike added. The MS/MSD is reported as a Duplicate pair instead.									
Sample ID: C08100478-001FDUP	Sample Duplicate				Run: EGG-ORTEC_081023B				10/30/08 08:06
Thorium 230	560	pCi/L	0.20				18	30	
- The sample used for the MS/MSD had greatly higher activity than the spike added. The MS/MSD is reported as a Duplicate pair instead.									
Sample ID: MB-RA-TH-ISO-0668	Method Blank				Run: EGG-ORTEC_081023B				10/30/08 15:45
Thorium 230	0.04	pCi/L							U

Qualifiers:

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U - Not detected at minimum detectable concentration
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 11/14/08
Work Order: C08100485

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: R110526
Sample ID: C08100471-003FMS	Sample Matrix Spike			Run: PACKARD 3100TR_081027A					10/27/08 10:08
Lead 210	120	pCi/L		112	70	130			
Sample ID: C08100485-002FDUP	Sample Duplicate			Run: PACKARD 3100TR_081027A					10/27/08 10:08
Lead 210	-1.3	pCi/L					1500	30	UR
- The Sample and the Duplicate are both below the MDC; the RPD is acceptable.									
Sample ID: MB-R110526	Method Blank			Run: PACKARD 3100TR_081027A					10/27/08 10:08
Lead 210	0.6	pCi/L							U
Sample ID: LCS-R110526	Laboratory Control Sample			Run: PACKARD 3100TR_081027A					10/27/08 10:08
Lead 210	61	pCi/L		104	70	130			
Method: RA-05									Batch: RA228-2369
Sample ID: LCS-228-RA226-3192	Laboratory Control Sample			Run: TENNELEC-3_081027D					11/04/08 14:13
Radium 228	7.6	pCi/L		86	70	130			
Sample ID: MB-RA226-3192	Method Blank			Run: TENNELEC-3_081027D					11/04/08 14:13
Radium 228	-0.4	pCi/L							U
Sample ID: C08100849-007FMS	Sample Matrix Spike			Run: TENNELEC-3_081027D					11/04/08 14:13
Radium 228	28	pCi/L		87	70	130			
Sample ID: C08100849-007FMSD	Sample Matrix Spike Duplicate			Run: TENNELEC-3_081027D					11/04/08 14:13
Radium 228	31	pCi/L		98	70	130	11	34.9	

Qualifiers:

RL - Analyte reporting limit.
R - RPD exceeds advisory limit.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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ANALYTICAL SUMMARY REPORT

November 17, 2008

United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C08100849 Quote ID: C129 - Quarterly Long List

Project Name: Zone 1

Energy Laboratories, Inc. received the following 7 samples for United Nuclear Corp on 10/17/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08100849-001	604	10/13/08 09:25	10/17/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity QA Calculations Chloride Arsenic Speciation Selenium-IV, Total Sample Filtering Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics
C08100849-002	EPA-7	10/13/08 10:15	10/17/08	Aqueous	Same As Above
C08100849-003	EPA-5	10/13/08 10:50	10/17/08	Aqueous	Same As Above
C08100849-004	EPA-4	10/13/08 11:37	10/17/08	Aqueous	Same As Above
C08100849-005	EPA-2	10/13/08 12:50	10/17/08	Aqueous	Same As Above
C08100849-006	EPA-2 Duplicate	10/13/08 13:30	10/17/08	Aqueous	Same As Above
C08100849-007	TWQ-142	10/14/08 12:10	10/17/08	Aqueous	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

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

Report Approved By: Stephanie Waldrop

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CLIENT: United Nuclear Corp
Project: Zone 1
Sample Delivery Group: C08100849

Date: 17-Nov-08

CASE NARRATIVE

PB210 ANALYSIS
The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis.

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

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.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

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.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
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

CERTFICATIONS:
USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

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

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 11/17/08
Work Order: C08100849

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: R109534
Sample ID: MBLK-1	Method Blank				Run: MANTECH_081020A				10/20/08 10:32
Alkalinity, Total as CaCO3	ND	mg/L	0.2						
Carbonate as CO3	ND	mg/L	1						
Bicarbonate as HCO3	ND	mg/L	1						
Sample ID: LCS-1	Laboratory Control Sample				Run: MANTECH_081020A				10/20/08 10:39
Alkalinity, Total as CaCO3	200	mg/L	1.0	100	90	110			
Sample ID: C08100849-007AMS	Sample Matrix Spike				Run: MANTECH_081020A				10/20/08 14:29
Alkalinity, Total as CaCO3	338	mg/L	1.0	99	80	120			
Sample ID: C08100849-007AMSD	Sample Matrix Spike Duplicate				Run: MANTECH_081020A				10/20/08 14:36
Alkalinity, Total as CaCO3	339	mg/L	1.0	100	80	120	0.4	20	
Method: A2540 C									Batch: 081021_1_SLDS-TDS-W
Sample ID: MBLK1_081021	Method Blank				Run: BAL-1_081021B				10/21/08 09:06
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: LCS1_081021	Laboratory Control Sample				Run: BAL-1_081021B				10/21/08 09:06
Solids, Total Dissolved TDS @ 180 C	976	mg/L	10	98	90	110			
Sample ID: C08100849-003BMS	Sample Matrix Spike				Run: BAL-1_081021B				10/21/08 09:10
Solids, Total Dissolved TDS @ 180 C	7340	mg/L	10	98	90	110			
Sample ID: C08100849-003BMSD	Sample Matrix Spike Duplicate				Run: BAL-1_081021B				10/21/08 09:10
Solids, Total Dissolved TDS @ 180 C	7340	mg/L	10	98	90	110	0	10	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 11/17/08
Work Order: C08100849

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B									Batch: SE3114-081029B
Sample ID: MBLK	Method Blank				Run: CVAA-C202_081029B				10/29/08 16:02
Selenium-IV	ND	mg/L	0.0003						
Sample ID: 288-162-4	Laboratory Control Sample				Run: CVAA-C202_081029B				10/29/08 16:05
Selenium-IV	0.0539	mg/L	0.0010	108	90	110			
Sample ID: C08100849-001DMS	Sample Matrix Spike				Run: CVAA-C202_081029B				10/29/08 16:12
Selenium-IV	0.0527	mg/L	0.0010	105	85	115			
Sample ID: C08100849-001DMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_081029B				10/29/08 16:14
Selenium-IV	0.0526	mg/L	0.0010	105	85	115	0.4	10	
Sample ID: C08100852-001CMS	Sample Matrix Spike				Run: CVAA-C202_081029B				10/29/08 16:36
Selenium-IV	0.0480	mg/L	0.0010	96	85	115			
Sample ID: C08100852-001CMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_081029B				10/29/08 16:39
Selenium-IV	0.0510	mg/L	0.0010	102	85	115	6	10	
Method: A4500-Cl B									Batch: 081027A-CL-TTR-W
Sample ID: MBLK9-081027A	Method Blank				Run: TITRATION_081027A				10/27/08 12:13
Chloride	ND	mg/L	0.4						
Sample ID: C08100852-002BMS	Sample Matrix Spike				Run: TITRATION_081027A				10/27/08 12:43
Chloride	399	mg/L	1.0	101	90	110			
Sample ID: C08100852-002BMSD	Sample Matrix Spike Duplicate				Run: TITRATION_081027A				10/27/08 12:45
Chloride	395	mg/L	1.0	100	90	110	0.9	10	
Sample ID: LCS35-081027A	Laboratory Control Sample				Run: TITRATION_081027A				10/27/08 13:31
Chloride	3560	mg/L	1.0	101	90	110			
Method: A4500-H B									Analytical Run: ORION555A_081020A
Sample ID: ICV1_081020_1	Initial Calibration Verification Standard								10/20/08 09:19
pH	6.83	s.u.	0.010	100	98	102			
Method: A4500-H B									Batch: 081020_1_PH-W_555A-1
Sample ID: C08100849-005BDUP	Sample Duplicate				Run: ORION555A_081020A				10/20/08 10:19
pH	6.91	s.u.	0.010				1	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 11/17/08
Work Order: C08100849

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-SO4 E								Batch: 081020_1_SO4-TURB-W	
Sample ID: LCS-1_081020	Laboratory Control Sample				Run: TURB-2_081020A			10/20/08 09:19	
Sulfate	5030	mg/L	59	105	90	110			
Sample ID: MBLK-1_081020	Method Blank				Run: TURB-2_081020A			10/20/08 09:19	
Sulfate	ND	mg/L	0.6						
Sample ID: C08100849-007AMS	Sample Matrix Spike				Run: TURB-2_081020A			10/20/08 11:12	
Sulfate	1130	mg/L	15	103	90	110			
Sample ID: C08100849-007AMSD	Sample Matrix Spike Duplicate				Run: TURB-2_081020A			10/20/08 11:12	
Sulfate	1140	mg/L	15	106	90	110	1.1	10	
Method: E1632AM								Analytical Run: SUB-H49445	
Sample ID: AS081027-ICV	Initial Calibration Verification Standard							10/27/08 15:40	
Arsenic-III	22.6	ug/L	5.0	90	90	110			
Sample ID: AS081027-50	Continuing Calibration Verification Standard							10/27/08 15:12	
Arsenic-III	53.1	ug/L	5.0	106	90	110			
Method: E1632AM								Batch: H_R49445	
Sample ID: AS081027-LCS	Laboratory Control Sample				Run: SUB-H49445			10/27/08 15:53	
Arsenic-III	45.3	ug/L	5.0	91	90	110			
Sample ID: MBLK_13r	Method Blank				Run: SUB-H49445			10/27/08 15:20	
Arsenic-III	ND	ug/L	0.3						
Sample ID: H08100273-010D DUP	Sample Duplicate				Run: SUB-H49445			10/27/08 16:20	
Arsenic-III	57.1	ug/L	1.0				1.8	20	
Sample ID: C08100849-005D	Sample Matrix Spike				Run: SUB-H49445			10/27/08 17:10	
Arsenic-III	49.1	ug/L	5.0	96	80	120			
Sample ID: C08100849-005D	Sample Matrix Spike Duplicate				Run: SUB-H49445			10/27/08 17:18	
Arsenic-III	48.4	ug/L	5.0	94	80	120	1.4	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 11/17/08
Work Order: C08100849

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R110275
Sample ID: MB-081031A	Method Blank				Run: ICP2-C_081103A				11/03/08 11:45
Calcium	ND	mg/L	0.1						
Magnesium	ND	mg/L	0.04						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Sample ID: LFB-081031A	Laboratory Fortified Blank				Run: ICP2-C_081103A				11/03/08 11:50
Calcium	51.6	mg/L	0.50	103	85	125			
Magnesium	52.1	mg/L	0.50	104	85	125			
Potassium	44.6	mg/L	0.50	89	85	125			
Sodium	49.1	mg/L	0.77	98	85	125			
Sample ID: C08100849-001CMS2	Sample Matrix Spike				Run: ICP2-C_081103A				11/03/08 15:42
Calcium	994	mg/L	1.1	101	70	130			
Magnesium	1380	mg/L	1.0	100	70	130			
Potassium	480	mg/L	1.0	93	70	130			
Sodium	813	mg/L	7.7	101	70	130			
Sample ID: C08100849-001CMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_081103A				11/03/08 15:46
Calcium	1030	mg/L	1.1	108	70	130	3.1	20	
Magnesium	1420	mg/L	1.0	109	70	130	3	20	
Potassium	476	mg/L	1.0	93	70	130	0.8	20	
Sodium	822	mg/L	7.7	102	70	130	1.1	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 11/17/08
Work Order: C08100849

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R110379
Sample ID: MB-081104A	Method Blank				Run: ICP2-C_081104A				11/04/08 13:13
Calcium	ND	mg/L	0.1						
Magnesium	ND	mg/L	0.04						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Sample ID: LFB-081104A	Laboratory Fortified Blank				Run: ICP2-C_081104A				11/04/08 13:18
Calcium	50.7	mg/L	0.50	101	85	125			
Magnesium	50.6	mg/L	0.50	101	85	125			
Potassium	45.5	mg/L	0.50	91	85	125			
Sodium	49.6	mg/L	0.77	99	85	125			
Sample ID: C08100849-005CMS2	Sample Matrix Spike				Run: ICP2-C_081104A				11/04/08 14:37
Calcium	589	mg/L	1.0	90	70	130			
Magnesium	402	mg/L	1.0	95	70	130			
Potassium	224	mg/L	1.0	87	70	130			
Sodium	437	mg/L	3.9	97	70	130			
Sample ID: C08100849-005CMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_081104A				11/04/08 14:41
Calcium	583	mg/L	1.0	88	70	130	1	20	
Magnesium	401	mg/L	1.0	94	70	130	0.4	20	
Potassium	224	mg/L	1.0	87	70	130	0	20	
Sodium	437	mg/L	3.9	97	70	130	0	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 11/17/08
Work Order: C08100849

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R110382
Sample ID: LRB	Method Blank				Run: ICPMS2-C_081104A				11/04/08 14:15
Aluminum	0.0006	mg/L	0.0001						
Beryllium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Cobalt	ND	mg/L	2E-05						
Lead	ND	mg/L	3E-05						
Manganese	9E-05	mg/L	5E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	0.0007						
Uranium	ND	mg/L	1E-05						
Vanadium	4E-05	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS2-C_081104A				11/04/08 14:22
Aluminum	0.0474	mg/L	0.0010	94	85	115			
Beryllium	0.0485	mg/L	0.0010	97	85	115			
Cadmium	0.0485	mg/L	0.0010	97	85	115			
Cobalt	0.0476	mg/L	0.0010	95	85	115			
Lead	0.0484	mg/L	0.0010	97	85	115			
Manganese	0.0481	mg/L	0.0010	96	85	115			
Molybdenum	0.0479	mg/L	0.0010	96	85	115			
Nickel	0.0482	mg/L	0.0010	96	85	115			
Uranium	0.0484	mg/L	0.00030	97	85	115			
Vanadium	0.0480	mg/L	0.0010	96	85	115			
Sample ID: C08100852-006DMS4	Sample Matrix Spike				Run: ICPMS2-C_081104A				11/04/08 18:40
Aluminum	0.542	mg/L	0.10	87	70	130			
Beryllium	0.444	mg/L	0.010	88	70	130			
Cadmium	0.456	mg/L	0.010	91	70	130			
Cobalt	0.618	mg/L	0.010	93	70	130			
Lead	0.475	mg/L	0.050	95	70	130			
Manganese	5.42	mg/L	0.010		70	130			A
Molybdenum	0.720	mg/L	0.10	94	70	130			
Nickel	0.641	mg/L	0.050	94	70	130			
Uranium	0.628	mg/L	0.00032	100	70	130			
Vanadium	0.449	mg/L	0.10	90	70	130			
Sample ID: C08100852-006DMSD4	Sample Matrix Spike Duplicate				Run: ICPMS2-C_081104A				11/04/08 18:47
Aluminum	0.558	mg/L	0.10	91	70	130	2.9	20	
Beryllium	0.453	mg/L	0.010	90	70	130	2.1	20	
Cadmium	0.459	mg/L	0.010	92	70	130	0.7	20	
Cobalt	0.625	mg/L	0.010	94	70	130	1	20	
Lead	0.480	mg/L	0.050	96	70	130	1.2	20	
Manganese	5.43	mg/L	0.010		70	130	0.3	20	A

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

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 11/17/08
Work Order: C08100849

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R110382
Sample ID: C08100852-006DMSD4	Sample Matrix Spike Duplicate				Run: ICPMS2-C_081104A				11/04/08 18:47
Molybdenum	0.716	mg/L	0.10	93	70	130	0.6	20	
Nickel	0.638	mg/L	0.050	94	70	130	0.4	20	
Uranium	0.632	mg/L	0.00032	100	70	130	0.5	20	
Vanadium	0.458	mg/L	0.10	91	70	130	1.9	20	

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QA/QC Summary Report

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Work Order: C08100849

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R110603
Sample ID: C08100912-001CMSD4	Sample Matrix Spike Duplicate				Run: ICPMS4-C_081107A				11/07/08 23:54
Molybdenum	0.0498	mg/L	0.10	97	70	130	0	20	
Nickel	0.0479	mg/L	0.050	96	70	130	0	20	
Uranium	0.201	mg/L	0.00030	99	70	130	1.2	20	
Vanadium	0.0485	mg/L	0.10	96	70	130	0	20	
Method: E200.8									Batch: R110687
Sample ID: LRB	Method Blank				Run: ICPMS4-C_081110A				11/10/08 12:21
Lead	ND	mg/L	3E-06						
Uranium	2E-06	mg/L	2E-06						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS4-C_081110A				11/10/08 12:41
Lead	0.0499	mg/L	0.0010	100	85	115			
Uranium	0.0471	mg/L	0.00030	94	85	115			
Sample ID: C08101305-007BMS4	Sample Matrix Spike				Run: ICPMS4-C_081110A				11/10/08 22:56
Lead	0.0496	mg/L	0.050	99	70	130			
Uranium	1.13	mg/L	0.00030		70	130			A
Sample ID: C08101305-007BMSD4	Sample Matrix Spike Duplicate				Run: ICPMS4-C_081110A				11/10/08 23:03
Lead	0.0510	mg/L	0.050	102	70	130	2.8	20	
Uranium	1.14	mg/L	0.00030		70	130	0.9	20	A

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QA/QC Summary Report

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Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E350.1								Analytical Run: SUB-B119678	
Sample ID: ICV	Initial Calibration Verification Standard							10/23/08 12:46	
Nitrogen, Ammonia as N	5.55	mg/L	0.11	101	90	110			
Method: E350.1								Batch: B_R119678	
Sample ID: MBLK	Method Blank				Run: SUB-B119678			10/23/08 12:47	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B119678			10/23/08 12:48	
Nitrogen, Ammonia as N	1.02	mg/L	0.10	103	90	110			
Sample ID: B08101922-001EMS	Sample Matrix Spike				Run: SUB-B119678			10/23/08 13:23	
Nitrogen, Ammonia as N	0.895	mg/L	0.10	89	90	110			S
Sample ID: B08101922-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-B119678			10/23/08 13:25	
Nitrogen, Ammonia as N	0.859	mg/L	0.10	86	90	110	4.1	10	S
Sample ID: B08101778-003EMS	Sample Matrix Spike				Run: SUB-B119678			10/23/08 13:47	
Nitrogen, Ammonia as N	16.0	mg/L	0.11	97	90	110			
Sample ID: B08101778-003EMSD	Sample Matrix Spike Duplicate				Run: SUB-B119678			10/23/08 13:48	
Nitrogen, Ammonia as N	16.2	mg/L	0.11	100	90	110	1.3	10	

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S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

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Report Date: 11/17/08
Work Order: C08100849

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2								Analytical Run: SUB-B119574	
Sample ID: ICV	Initial Calibration Verification Standard							10/22/08 10:04	
Nitrogen, Nitrate+Nitrite as N	36.1	mg/L	0.050	102	90	110			
Method: E353.2								Batch: B_R119574	
Sample ID: MBLK	Method Blank				Run: SUB-B119574			10/22/08 10:05	
Nitrogen, Nitrate+Nitrite as N	0.005	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B119574			10/22/08 10:06	
Nitrogen, Nitrate+Nitrite as N	1.01	mg/L	0.050	103	90	110			
Sample ID: B08101775-001AMS	Sample Matrix Spike				Run: SUB-B119574			10/22/08 14:44	
Nitrogen, Nitrate+Nitrite as N	1.11	mg/L	0.050	103	90	110			
Sample ID: B08101775-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-B119574			10/22/08 14:46	
Nitrogen, Nitrate+Nitrite as N	1.12	mg/L	0.050	104	90	110	0.9	10	
Sample ID: B08101777-016BMS	Sample Matrix Spike				Run: SUB-B119574			10/22/08 12:10	
Nitrogen, Nitrate+Nitrite as N	1.69	mg/L	0.050	106	90	110			
Sample ID: B08101777-016BMSD	Sample Matrix Spike Duplicate				Run: SUB-B119574			10/22/08 12:11	
Nitrogen, Nitrate+Nitrite as N	1.69	mg/L	0.050	106	90	110	0.2	10	
Sample ID: B08101750-001CMS	Sample Matrix Spike				Run: SUB-B119574			10/22/08 13:42	
Nitrogen, Nitrate+Nitrite as N	1.24	mg/L	0.050	105	90	110			
Sample ID: B08101750-001CMSD	Sample Matrix Spike Duplicate				Run: SUB-B119574			10/22/08 13:43	
Nitrogen, Nitrate+Nitrite as N	1.24	mg/L	0.050	105	90	110	0	10	
Sample ID: C08100853-001E	Sample Matrix Spike				Run: SUB-B119574			10/22/08 15:01	
Nitrogen, Nitrate+Nitrite as N	0.147	mg/L	0.050	15	90	110			S
Sample ID: C08100853-001E	Sample Matrix Spike Duplicate				Run: SUB-B119574			10/22/08 15:02	
Nitrogen, Nitrate+Nitrite as N	0.148	mg/L	0.050	15	90	110	0.7	10	S

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 11/17/08
Work Order: C08100849

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R109867
Sample ID: 102408_LCS_38	Laboratory Control Sample				Run: SATURNCA_081024C				10/25/08 08:45
Bromodichloromethane	9.36	ug/L	1.0	94	70	130			
Bromoform	9.68	ug/L	1.0	97	70	130			
Chlorodibromomethane	9.48	ug/L	1.0	95	70	130			
Chloroform	10.4	ug/L	1.0	104	70	130			
Trihalomethanes, Total	38.9	ug/L	1.0	97	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	103	80	120			
Surr: Dibromofluoromethane			1.0	100	80	120			
Surr: p-Bromofluorobenzene			1.0	101	80	120			
Surr: Toluene-d8			1.0	102	80	120			
Sample ID: 102408_MBLK_40	Method Blank				Run: SATURNCA_081024C				10/25/08 10:01
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Trihalomethanes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4			1.0	103	80	120			
Surr: Dibromofluoromethane			1.0	119	80	120			
Surr: p-Bromofluorobenzene			1.0	88	80	120			
Surr: Toluene-d8			1.0	101	80	120			
Sample ID: C08100853-006GMS	Sample Matrix Spike				Run: SATURNCA_081024C				10/25/08 16:20
Bromodichloromethane	86.0	ug/L	5.0	86	70	130			
Bromoform	89.2	ug/L	5.0	89	70	130			
Chlorodibromomethane	86.0	ug/L	5.0	86	70	130			
Chloroform	94.0	ug/L	5.0	94	70	130			
Trihalomethanes, Total	355	ug/L	5.0	89	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	104	80	120			
Surr: Dibromofluoromethane			1.0	87	80	120			
Surr: p-Bromofluorobenzene			1.0	98	80	120			
Surr: Toluene-d8			1.0	98	80	120			
Sample ID: C08100853-006GMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_081024C				10/25/08 16:57
Bromodichloromethane	101	ug/L	5.0	101	70	130	16	20	
Bromoform	97.6	ug/L	5.0	98	70	130	9	20	
Chlorodibromomethane	96.0	ug/L	5.0	96	70	130	11	20	
Chloroform	115	ug/L	5.0	115	70	130	20	20	
Trihalomethanes, Total	409	ug/L	5.0	102	70	130	14	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	112	80	120			
Surr: Dibromofluoromethane			1.0	110	80	120			
Surr: p-Bromofluorobenzene			1.0	99	80	120			
Surr: Toluene-d8			1.0	99	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 11/17/08
Work Order: C08100849

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1									Batch: GA-0180
Sample ID: MB-GA-0180	Method Blank				Run: G5000W_081027B				10/30/08 15:08
Gross Alpha minus Rn & U	0.7	pCi/L							
Sample ID: LCS-GA-0180	Laboratory Control Sample				Run: G5000W_081027B				10/30/08 15:08
Gross Alpha minus Rn & U	26.7	pCi/L		99	70	130			
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: G5000W_081027B				10/30/08 16:48
Gross Alpha minus Rn & U	25.2	pCi/L		91	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: G5000W_081027B				10/30/08 16:48
Gross Alpha minus Rn & U	23.7	pCi/L		86	70	130	5.9	23.5	
Method: E903.0									Batch: RA226-3192
Sample ID: C08100849-001FMS	Sample Matrix Spike				Run: BERTHOLD 770_081027D				11/10/08 15:05
Radium 226	26	pCi/L		94	70	130			
Sample ID: C08100849-001FMSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_081027D				11/10/08 15:05
Radium 226	28	pCi/L		101	70	130	7.6	23.4	
Sample ID: MB-RA226-3192	Method Blank				Run: BERTHOLD 770_081027D				11/10/08 16:41
Radium 226	-0.2	pCi/L							
Sample ID: LCS-RA226-3192	Laboratory Control Sample				Run: BERTHOLD 770_081027D				11/10/08 16:41
Radium 226	7.6	pCi/L		99	70	130			
Method: E907.0									Batch: RA-TH-ISO-0668
Sample ID: LCS-RA-TH-ISO-0668	Laboratory Control Sample				Run: EGG-ORTEC_081023B				10/30/08 08:06
Thorium 230	9.27	pCi/L	0.20	87	70	130			
Sample ID: C08100478-001FDUP	Sample Duplicate				Run: EGG-ORTEC_081023B				10/30/08 08:06
Thorium 230	580	pCi/L	0.20				22	30	
- The sample used for the MS/MSD had greatly higher activity than the spike added. The MS/MSD is reported as a Duplicate pair instead.									
Sample ID: C08100478-001FDUP	Sample Duplicate				Run: EGG-ORTEC_081023B				10/30/08 08:06
Thorium 230	560	pCi/L	0.20				18	30	
- The sample used for the MS/MSD had greatly higher activity than the spike added. The MS/MSD is reported as a Duplicate pair instead.									
Sample ID: MB-RA-TH-ISO-0668	Method Blank				Run: EGG-ORTEC_081023B				10/30/08 15:45
Thorium 230	0.04	pCi/L							U

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 11/17/08
Work Order: C08100849

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: R110262
Sample ID: C08100849-003FMS	Sample Matrix Spike				Run: PACKARD 3100TR_081028A				10/28/08 10:11
Lead 210	99	pCi/L		86	70	130			
Sample ID: C08100852-002EDUP	Sample Duplicate				Run: PACKARD 3100TR_081028A				10/28/08 10:11
Lead 210	-2.4	pCi/L					8.7	30	U
Sample ID: MB-R110262	Method Blank				Run: PACKARD 3100TR_081028A				10/28/08 10:11
Lead 210	0.2	pCi/L							U
Sample ID: LCS-R110262	Laboratory Control Sample				Run: PACKARD 3100TR_081028A				10/28/08 10:11
Lead 210	57	pCi/L		97	70	130			
Method: RA-05									Batch: RA228-2369
Sample ID: LCS-228-RA226-3192	Laboratory Control Sample				Run: TENNELEC-3_081027D				11/04/08 14:13
Radium 228	7.6	pCi/L		86	70	130			
Sample ID: MB-RA226-3192	Method Blank				Run: TENNELEC-3_081027D				11/04/08 14:13
Radium 228	-0.4	pCi/L							U
Sample ID: C08100849-007FMS	Sample Matrix Spike				Run: TENNELEC-3_081027D				11/04/08 14:13
Radium 228	28	pCi/L		87	70	130			
Sample ID: C08100849-007FMSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_081027D				11/04/08 14:13
Radium 228	31	pCi/L		98	70	130	11	34.9	

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ANALYTICAL SUMMARY REPORT

November 14, 2008

United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C08100478 Quote ID: C129 - Quarterly Long List

Project Name: Zone 3

Energy Laboratories, Inc. received the following 1 sample for United Nuclear Corp on 10/10/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08100478-001	613	10/07/08 11:45	10/10/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Acidity, Total as CaCO3 Alkalinity QA Calculations Chloride Arsenic Speciation Selenium-IV, Total Sample Filtering Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

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

Report Approved By: STEVE CARLSTON

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CLIENT: United Nuclear Corp
Project: Zone 3
Sample Delivery Group: C08100478

Date: 14-Nov-08

CASE NARRATIVE

PB210 ANALYSIS
The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis.

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

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.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

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.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
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

CERTFICATIONS:
USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

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

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 11/14/08
Work Order: C08100478

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: R109167
Sample ID: MBLK	Method Blank				Run: MANTECH_081013A				10/13/08 16:40
Alkalinity, Total as CaCO3	ND	mg/L	0.2						
Bicarbonate as HCO3	ND	mg/L	1						
Sample ID: LCS	Laboratory Control Sample				Run: MANTECH_081013A				10/13/08 16:47
Alkalinity, Total as CaCO3	200	mg/L	1.0	100	90	110			
Sample ID: C08100501-001AMS	Sample Matrix Spike				Run: MANTECH_081013A				10/13/08 17:39
Alkalinity, Total as CaCO3	217	mg/L	1.0	100	80	120			
Sample ID: C08100501-001AMSD	Sample Matrix Spike Duplicate				Run: MANTECH_081013A				10/13/08 17:47
Alkalinity, Total as CaCO3	217	mg/L	1.0	101	80	120	0	20	
Method: A2540 C									Batch: 081014_1_SLDS-TDS-W
Sample ID: MBLK1_081014	Method Blank				Run: BAL-1_081014B				10/14/08 08:30
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: LCS1_081014	Laboratory Control Sample				Run: BAL-1_081014B				10/14/08 08:30
Solids, Total Dissolved TDS @ 180 C	1010	mg/L	10	101	90	110			
Sample ID: C08100501-003AMS	Sample Matrix Spike				Run: BAL-1_081014B				10/14/08 08:33
Solids, Total Dissolved TDS @ 180 C	2400	mg/L	10	100	90	110			
Sample ID: C08100501-003AMSD	Sample Matrix Spike Duplicate				Run: BAL-1_081014B				10/14/08 08:33
Solids, Total Dissolved TDS @ 180 C	2410	mg/L	10	101	90	110	0.3	10	
Method: A3114 B									Batch: SE3114-081016A
Sample ID: MBLK	Method Blank				Run: CVAA-C202_081016A				10/16/08 09:52
Selenium-IV	ND	mg/L	0.0003						
Sample ID: 288-147-5	Laboratory Control Sample				Run: CVAA-C202_081016A				10/16/08 09:54
Selenium-IV	0.0492	mg/L	0.0010	98	90	110			
Sample ID: C08100478-001DMS	Sample Matrix Spike				Run: CVAA-C202_081016A				10/16/08 09:59
Selenium-IV	0.0532	mg/L	0.0010	106	85	115			
Sample ID: C08100478-001DMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_081016A				10/16/08 10:01
Selenium-IV	0.0522	mg/L	0.0010	104	85	115	1.8	10	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 11/14/08
Work Order: C08100478

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-Cl B									Batch: 081014A-CL-TTR-W
Sample ID: MBLK9-081014A	Method Blank				Run: TITRATION_081014A				10/14/08 06:55
Chloride	ND	mg/L	0.4						
Sample ID: LCS35-081014A	Laboratory Control Sample				Run: TITRATION_081014A				10/14/08 07:46
Chloride	3570	mg/L	1.0	101	90	110			
Sample ID: C08100471-014BMS	Sample Matrix Spike				Run: TITRATION_081014A				10/14/08 08:49
Chloride	492	mg/L	1.0	98	90	110			
Sample ID: C08100471-014BMSD	Sample Matrix Spike Duplicate				Run: TITRATION_081014A				10/14/08 08:49
Chloride	499	mg/L	1.0	100	90	110	1.4	10	
Method: A4500-H B									Analytical Run: ORION555A_081013B
Sample ID: ICV1_081013_2	Initial Calibration Verification Standard								10/13/08 13:32
pH	6.88	s.u.	0.010	100	98	102			
Method: A4500-H B									Batch: 081013_2_PH-W_555A-1
Sample ID: C08100504-005ADUP	Sample Duplicate				Run: ORION555A_081013B				10/13/08 14:17
pH	8.13	s.u.	0.010				0.2	10	
Method: A4500-SO4 E									Batch: 081106_1_SO4-TURB-W
Sample ID: LCS-1_081106	Laboratory Control Sample				Run: TURB-2_081106A				11/06/08 15:34
Sulfate	4980	mg/L	59	104	90	110			
Sample ID: MBLK-1_081106	Method Blank				Run: TURB-2_081106A				11/06/08 15:34
Sulfate	ND	mg/L	0.6						
Sample ID: C08101294-004AMS	Sample Matrix Spike				Run: TURB-2_081106A				11/06/08 16:05
Sulfate	850	mg/L	15	102	90	110			
Sample ID: C08101294-004AMSD	Sample Matrix Spike Duplicate				Run: TURB-2_081106A				11/06/08 16:05
Sulfate	828	mg/L	15	98	90	110	2.7	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 11/14/08
Work Order: C08100478

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E1632AM									Batch: H_R49346
Sample ID: MBLK_13r	Method Blank				Run: SUB-H49346				10/21/08 17:07
Arsenic-III	ND	ug/L	0.3						
Sample ID: AS081021-LCS	Laboratory Control Sample				Run: SUB-H49346				10/21/08 17:15
Arsenic-III	54.9	ug/L	5.0	110	90	110			
Sample ID: H08100197-005D MS	Sample Matrix Spike				Run: SUB-H49346				10/21/08 18:16
Arsenic-III	66.5	ug/L	5.0	133	80	120			S
Sample ID: H08100197-005D MSD	Sample Matrix Spike Duplicate				Run: SUB-H49346				10/21/08 18:25
Arsenic-III	68.1	ug/L	5.0	136	80	120	2.3	20	S
Method: E200.7									Batch: R109978
Sample ID: MB-081028A	Method Blank				Run: ICP2-C_081028A				10/28/08 13:32
Calcium	ND	mg/L	0.1						
Magnesium	-0.005	mg/L							
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Sample ID: LFB-081028A	Laboratory Fortified Blank				Run: ICP2-C_081028A				10/28/08 13:36
Calcium	52.6	mg/L	0.50	105	85	125			
Magnesium	51.3	mg/L	0.50	103	85	125			
Potassium	45.0	mg/L	0.50	90	85	125			
Sodium	48.7	mg/L	0.77	97	85	125			
Sample ID: C08100504-001CMS2	Sample Matrix Spike				Run: ICP2-C_081028A				10/28/08 21:51
Calcium	341	mg/L	1.0	94	70	130			
Magnesium	250	mg/L	1.0	98	70	130			
Potassium	95.4	mg/L	1.0	92	70	130			
Sodium	100	mg/L	1.5	96	70	130			
Sample ID: C08100504-001CMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_081028A				10/28/08 21:55
Calcium	339	mg/L	1.0	91	70	130	0.8	20	
Magnesium	248	mg/L	1.0	96	70	130	0.7	20	
Potassium	95.5	mg/L	1.0	92	70	130	0	20	
Sodium	102	mg/L	1.5	98	70	130	1.6	20	

Qualifiers:

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S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 11/14/08
Work Order: C08100478

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: 20117
Sample ID: MB-20117	Method Blank				Run: ICPMS4-C_081023A				10/24/08 01:31
Aluminum	ND	mg/L	0.0003						
Beryllium	ND	mg/L	0.0002						
Cadmium	2E-05	mg/L	2E-05						
Cobalt	ND	mg/L	1E-05						
Lead	ND	mg/L	5E-05						
Manganese	ND	mg/L	2E-05						
Molybdenum	8E-05	mg/L	4E-05						
Nickel	ND	mg/L	3E-05						
Uranium	ND	mg/L	5E-05						
Vanadium	0.009	mg/L	0.0001						
Sample ID: LCS3-20117	Laboratory Control Sample				Run: ICPMS4-C_081023A				10/24/08 02:05
Aluminum	2.41	mg/L	0.10	96	85	115			
Beryllium	0.252	mg/L	0.010	101	85	115			
Cadmium	0.272	mg/L	0.010	109	85	115			
Cobalt	0.529	mg/L	0.010	106	85	115			
Lead	0.511	mg/L	0.050	102	85	115			
Manganese	2.60	mg/L	0.010	104	85	115			
Molybdenum	0.511	mg/L	0.10	102	85	115			
Nickel	0.544	mg/L	0.050	109	85	115			
Uranium	0.492	mg/L	0.00049	98	85	115			
Vanadium	0.534	mg/L	0.10	107	85	115			
Sample ID: C08100528-001BMS3	Sample Matrix Spike				Run: ICPMS4-C_081023A				10/24/08 03:31
Aluminum	2.38	mg/L	0.10	95	70	130			
Beryllium	0.237	mg/L	0.010	95	70	130			
Cadmium	0.266	mg/L	0.010	106	70	130			
Cobalt	0.512	mg/L	0.010	102	70	130			
Lead	0.510	mg/L	0.050	102	70	130			
Manganese	2.52	mg/L	0.010	100	70	130			
Molybdenum	0.499	mg/L	0.10	100	70	130			
Nickel	0.517	mg/L	0.050	103	70	130			
Uranium	0.484	mg/L	0.00049	97	70	130			
Vanadium	0.515	mg/L	0.10	101	70	130			
Sample ID: C08100528-001BMSD3	Sample Matrix Spike Duplicate				Run: ICPMS4-C_081023A				10/24/08 03:38
Aluminum	2.49	mg/L	0.10	100	70	130	4.6	20	
Beryllium	0.251	mg/L	0.010	100	70	130	5.8	20	
Cadmium	0.274	mg/L	0.010	110	70	130	2.9	20	
Cobalt	0.529	mg/L	0.010	106	70	130	3.3	20	
Lead	0.528	mg/L	0.050	106	70	130	3.5	20	
Manganese	2.61	mg/L	0.010	104	70	130	3.6	20	
Molybdenum	0.511	mg/L	0.10	102	70	130	2.3	20	
Nickel	0.567	mg/L	0.050	113	70	130	9.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 11/14/08
Work Order: C08100478

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: 20117
Sample ID: C08100528-001BMSD3	Sample Matrix Spike Duplicate				Run: ICPMS4-C_081023A				10/24/08 03:38
Uranium	0.501	mg/L	0.00049	100	70	130	3.6	20	
Vanadium	0.567	mg/L	0.10	111	70	130	9.7	20	
Method: E350.1									Batch: B_R119368
Sample ID: MBLK	Method Blank				Run: SUB-B119368				10/17/08 13:06
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B119368				10/17/08 13:07
Nitrogen, Ammonia as N	1.03	mg/L	0.10	105	90	110			
Sample ID: C08100628-001C	Sample Matrix Spike				Run: SUB-B119368				10/17/08 13:42
Nitrogen, Ammonia as N	0.906	mg/L	0.10	91	90	110			
Sample ID: C08100628-001C	Sample Matrix Spike Duplicate				Run: SUB-B119368				10/17/08 13:43
Nitrogen, Ammonia as N	0.908	mg/L	0.10	91	90	110	0.2	10	
Method: E353.2									Batch: B_R119194
Sample ID: MBLK	Method Blank				Run: SUB-B119194				10/15/08 09:38
Nitrogen, Nitrate+Nitrite as N	0.002	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B119194				10/15/08 09:40
Nitrogen, Nitrate+Nitrite as N	0.998	mg/L	0.050	102	90	110			
Sample ID: B08101354-007BMS	Sample Matrix Spike				Run: SUB-B119194				10/15/08 13:35
Nitrogen, Nitrate+Nitrite as N	2.85	mg/L	0.050	103	90	110			
Sample ID: B08101354-007BMSD	Sample Matrix Spike Duplicate				Run: SUB-B119194				10/15/08 13:36
Nitrogen, Nitrate+Nitrite as N	2.86	mg/L	0.050	104	90	110	0.5	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 11/14/08
Work Order: C08100478

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R109301
Sample ID: MB	Method Blank				Run: GCMS2_081014A				10/14/08 14:27
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Trihalomethanes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4			1.0	101	80	120			
Surr: Dibromofluoromethane			1.0	84	80	120			
Surr: p-Bromofluorobenzene			1.0	104	80	120			
Surr: Toluene-d8			1.0	99	80	120			
Sample ID: 14-Oct-08_LCS_3	Laboratory Control Sample				Run: GCMS2_081014A				10/14/08 17:11
Bromodichloromethane	8.48	ug/L	1.0	85	70	130			
Bromoform	9.72	ug/L	1.0	97	70	130			
Chlorodibromomethane	9.40	ug/L	1.0	94	70	130			
Chloroform	9.04	ug/L	1.0	90	70	130			
Trihalomethanes, Total	36.6	ug/L	1.0	92	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	94	80	120			
Surr: Dibromofluoromethane			1.0	78	80	120			S
Surr: p-Bromofluorobenzene			1.0	100	80	120			
Surr: Toluene-d8			1.0	98	80	120			
Sample ID: C08100485-001GMS	Sample Matrix Spike				Run: GCMS2_081014A				10/15/08 01:00
Bromodichloromethane	81.2	ug/L	5.0	81	70	130			
Bromoform	96.8	ug/L	5.0	97	70	130			
Chlorodibromomethane	89.2	ug/L	5.0	89	70	130			
Chloroform	221	ug/L	5.0	75	70	130			
Trihalomethanes, Total	488	ug/L	5.0	86	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	102	80	120			
Surr: Dibromofluoromethane			1.0	99	80	120			
Surr: p-Bromofluorobenzene			1.0	102	80	120			
Surr: Toluene-d8			1.0	100	80	120			
Sample ID: C08100485-001GMSD	Sample Matrix Spike Duplicate				Run: GCMS2_081014A				10/15/08 01:40
Bromodichloromethane	87.6	ug/L	5.0	88	70	130	7.6	20	
Bromoform	107	ug/L	5.0	107	70	130	9.8	20	
Chlorodibromomethane	98.4	ug/L	5.0	98	70	130	9.8	20	
Chloroform	229	ug/L	5.0	83	70	130	3.4	20	
Trihalomethanes, Total	522	ug/L	5.0	94	70	130	6.6	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	102	80	120			
Surr: Dibromofluoromethane			1.0	99	80	120			
Surr: p-Bromofluorobenzene			1.0	102	80	120			
Surr: Toluene-d8			1.0	100	80	120			

Qualifiers:

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S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 11/14/08
Work Order: C08100478

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1									Batch: GA-0180
Sample ID: MB-GA-0180	Method Blank				Run: G5000W_081027B				10/30/08 15:08
Gross Alpha minus Rn & U	0.7	pCi/L							
Sample ID: LCS-GA-0180	Laboratory Control Sample				Run: G5000W_081027B				10/30/08 15:08
Gross Alpha minus Rn & U	26.7	pCi/L		99	70	130			
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: G5000W_081027B				10/30/08 16:48
Gross Alpha minus Rn & U	25.2	pCi/L		91	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: G5000W_081027B				10/30/08 16:48
Gross Alpha minus Rn & U	23.7	pCi/L		86	70	130	5.9	23.5	
Method: E903.0									Batch: RA226-3191
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770_081027G				11/10/08 13:31
Radium 226	7.4	pCi/L		93	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_081027G				11/10/08 13:31
Radium 226	7.2	pCi/L		90	70	130	2.7	24.7	
Sample ID: MB-RA226-3191	Method Blank				Run: BERTHOLD 770_081027G				11/10/08 13:31
Radium 226	-0.1	pCi/L							U
Sample ID: LCS-RA226-3191	Laboratory Control Sample				Run: BERTHOLD 770_081027G				11/10/08 13:31
Radium 226	7.0	pCi/L		91	70	130			
Method: E907.0									Batch: RA-TH-ISO-0668
Sample ID: LCS-RA-TH-ISO-0668	Laboratory Control Sample				Run: EGG-ORTEC_081023B				10/30/08 08:06
Thorium 230	9.27	pCi/L	0.20	87	70	130			
Sample ID: C08100478-001FDUP	Sample Duplicate				Run: EGG-ORTEC_081023B				10/30/08 08:06
Thorium 230	580	pCi/L	0.20				22	30	
- The sample used for the MS/MSD had greatly higher activity than the spike added. The MS/MSD is reported as a Duplicate pair instead.									
Sample ID: C08100478-001FDUP	Sample Duplicate				Run: EGG-ORTEC_081023B				10/30/08 08:06
Thorium 230	560	pCi/L	0.20				18	30	
- The sample used for the MS/MSD had greatly higher activity than the spike added. The MS/MSD is reported as a Duplicate pair instead.									
Sample ID: MB-RA-TH-ISO-0668	Method Blank				Run: EGG-ORTEC_081023B				10/30/08 15:45
Thorium 230	0.04	pCi/L							U

Qualifiers:

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ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 11/14/08
Work Order: C08100478

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: R110526
Sample ID: C08100471-003FMS	Sample Matrix Spike				Run: PACKARD 3100TR_081027A				10/27/08 10:08
Lead 210	120	pCi/L		112	70	130			
Sample ID: C08100485-002FDUP	Sample Duplicate				Run: PACKARD 3100TR_081027A				10/27/08 10:08
Lead 210	-1.3	pCi/L					1500	30	UR
- The Sample and the Duplicate are both below the MDC; the RPD is acceptable.									
Sample ID: MB-R110526	Method Blank				Run: PACKARD 3100TR_081027A				10/27/08 10:08
Lead 210	0.6	pCi/L							U
Sample ID: LCS-R110526	Laboratory Control Sample				Run: PACKARD 3100TR_081027A				10/27/08 10:08
Lead 210	61	pCi/L		104	70	130			
Method: RA-05									Batch: RA228-2367
Sample ID: LCS-228-RA226-3191	Laboratory Control Sample				Run: TENNELEC-3_081027B				11/04/08 10:04
Radium 228	9.4	pCi/L		98	70	130			
Sample ID: MB-RA226-3191	Method Blank				Run: TENNELEC-3_081027B				11/04/08 10:04
Radium 228	0.3	pCi/L							U
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_081027B				11/04/08 10:04
Radium 228	8.5	pCi/L		87	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_081027B				11/04/08 10:04
Radium 228	8.7	pCi/L		89	70	130	2.3	35.8	

Qualifiers:

RL - Analyte reporting limit.
R - RPD exceeds advisory limit.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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ANALYTICAL SUMMARY REPORT

November 19, 2008

United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C08100852 Quote ID: C129 - Quarterly Long List

Project Name: Not Indicated

Energy Laboratories, Inc. received the following 7 samples for United Nuclear Corp on 10/17/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08100852-001	517	10/13/08 14:05	10/17/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Acidity, Total as CaCO3 Alkalinity QA Calculations Chloride Arsenic Speciation Selenium-IV, Total Sample Filtering Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics
C08100852-002	NBL-2	10/14/08 11:35	10/17/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity QA Calculations Chloride Arsenic Speciation Selenium-IV, Total Sample Filtering Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics
C08100852-003	PB-4	10/14/08 14:25	10/17/08	Aqueous	Same As Above
C08100852-004	PB-2	10/14/08 15:30	10/17/08	Aqueous	Same As Above
C08100852-005	RW-A	10/14/08 15:45	10/17/08	Aqueous	Same As Above
C08100852-006	RW-11	10/14/08 16:05	10/17/08	Aqueous	Same As Above

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ANALYTICAL SUMMARY REPORT

C08100852-007 Field Blank	10/14/08 17:15	10/17/08	Aqueous	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

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

Report Approved By: Stephanie Waldrop

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CLIENT: United Nuclear Corp
Project: Not Indicated
Sample Delivery Group: C08100852

Date: 19-Nov-08

CASE NARRATIVE

PB210 ANALYSIS
The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis.

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

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.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

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.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
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

CERTFICATIONS:
USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

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

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Not Indicated

Report Date: 11/19/08
Work Order: C08100852

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: R109534
Sample ID: MBLK	Method Blank				Run: MANTECH_081020A				10/20/08 13:34
Alkalinity, Total as CaCO3	ND	mg/L	0.2						
Bicarbonate as HCO3	ND	mg/L	1						
Sample ID: LCS	Laboratory Control Sample				Run: MANTECH_081020A				10/20/08 13:41
Alkalinity, Total as CaCO3	200	mg/L	1.0	100	90	110			
Sample ID: C08100849-007AMS	Sample Matrix Spike				Run: MANTECH_081020A				10/20/08 14:29
Alkalinity, Total as CaCO3	338	mg/L	1.0	99	80	120			
Sample ID: C08100849-007AMSD	Sample Matrix Spike Duplicate				Run: MANTECH_081020A				10/20/08 14:36
Alkalinity, Total as CaCO3	339	mg/L	1.0	100	80	120	0.4	20	
Method: A2540 C									Batch: 081021_1_SLDS-TDS-W
Sample ID: MBLK1_081021	Method Blank				Run: BAL-1_081021B				10/21/08 09:06
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: LCS1_081021	Laboratory Control Sample				Run: BAL-1_081021B				10/21/08 09:06
Solids, Total Dissolved TDS @ 180 C	976	mg/L	10	98	90	110			
Sample ID: C08100852-006AMS	Sample Matrix Spike				Run: BAL-1_081021B				10/21/08 09:14
Solids, Total Dissolved TDS @ 180 C	5730	mg/L	10	99	90	110			
Sample ID: C08100852-006AMSD	Sample Matrix Spike Duplicate				Run: BAL-1_081021B				10/21/08 09:14
Solids, Total Dissolved TDS @ 180 C	5710	mg/L	10	98	90	110	0.4	10	
Method: A3114 B									Batch: SE3114-081029B
Sample ID: MBLK	Method Blank				Run: CVAA-C202_081029B				10/29/08 16:02
Selenium-IV	ND	mg/L	0.0003						
Sample ID: 288-162-4	Laboratory Control Sample				Run: CVAA-C202_081029B				10/29/08 16:05
Selenium-IV	0.0539	mg/L	0.0010	108	90	110			
Sample ID: C08100852-001CMS	Sample Matrix Spike				Run: CVAA-C202_081029B				10/29/08 16:36
Selenium-IV	0.0480	mg/L	0.0010	96	85	115			
Sample ID: C08100852-001CMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_081029B				10/29/08 16:39
Selenium-IV	0.0510	mg/L	0.0010	102	85	115	6	10	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Not Indicated

Report Date: 11/19/08
Work Order: C08100852

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-Cl B									Batch: 081027A-CL-TTR-W
Sample ID: MBLK9-081027A	Method Blank				Run: TITRATION_081027A				10/27/08 12:13
Chloride	ND	mg/L	0.4						
Sample ID: C08100852-002BMS	Sample Matrix Spike				Run: TITRATION_081027A				10/27/08 12:43
Chloride	399	mg/L	1.0	101	90	110			
Sample ID: C08100852-002BMSD	Sample Matrix Spike Duplicate				Run: TITRATION_081027A				10/27/08 12:45
Chloride	395	mg/L	1.0	100	90	110	0.9	10	
Sample ID: LCS35-081027A	Laboratory Control Sample				Run: TITRATION_081027A				10/27/08 13:31
Chloride	3560	mg/L	1.0	101	90	110			
Method: A4500-H B									Analytical Run: ORION555A_081020A
Sample ID: ICV1_081020_1	Initial Calibration Verification Standard								10/20/08 09:19
pH	6.83	s.u.	0.010	100	98	102			
Method: A4500-H B									Batch: 081020_1_PH-W_555A-1
Sample ID: C08100849-005BDUP	Sample Duplicate				Run: ORION555A_081020A				10/20/08 10:19
pH	6.91	s.u.	0.010				1	10	
Method: A4500-SO4 E									Batch: 081020_1_SO4-TURB-W
Sample ID: LCS-1_081020	Laboratory Control Sample				Run: TURB-2_081020A				10/20/08 09:19
Sulfate	5030	mg/L	59	105	90	110			
Sample ID: MBLK-1_081020	Method Blank				Run: TURB-2_081020A				10/20/08 09:19
Sulfate	ND	mg/L	0.6						
Sample ID: C08100849-007AMS	Sample Matrix Spike				Run: TURB-2_081020A				10/20/08 11:12
Sulfate	1130	mg/L	15	103	90	110			
Sample ID: C08100849-007AMSD	Sample Matrix Spike Duplicate				Run: TURB-2_081020A				10/20/08 11:12
Sulfate	1140	mg/L	15	106	90	110	1.1	10	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Not Indicated

Report Date: 11/19/08
Work Order: C08100852

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E1632AM									Batch: H_R49416
Sample ID: MBLK_13r	Method Blank				Run: SUB-H49416				10/24/08 11:54
Arsenic-III	ND	ug/L	0.3						
Sample ID: AS081024-LCS	Laboratory Control Sample				Run: SUB-H49416				10/24/08 12:02
Arsenic-III	49.6	ug/L	5.0	99	90	110			
Sample ID: C08100852-006D	Sample Matrix Spike				Run: SUB-H49416				10/24/08 14:46
Arsenic-III	66.3	ug/L	5.0	125	80	120			S
Sample ID: C08100852-006D	Sample Matrix Spike Duplicate				Run: SUB-H49416				10/24/08 14:54
Arsenic-III	66.0	ug/L	5.0	125	80	120	0.5	20	S
Method: E200.7									Batch: R110379
Sample ID: MB-081104A	Method Blank				Run: ICP2-C_081104A				11/04/08 13:13
Calcium	ND	mg/L	0.1						
Magnesium	ND	mg/L	0.04						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Sample ID: LFB-081104A	Laboratory Fortified Blank				Run: ICP2-C_081104A				11/04/08 13:18
Calcium	50.7	mg/L	0.50	101	85	125			
Magnesium	50.6	mg/L	0.50	101	85	125			
Potassium	45.5	mg/L	0.50	91	85	125			
Sodium	49.6	mg/L	0.77	99	85	125			
Sample ID: C08100849-005CMS2	Sample Matrix Spike				Run: ICP2-C_081104A				11/04/08 14:37
Calcium	589	mg/L	1.0	90	70	130			
Magnesium	402	mg/L	1.0	95	70	130			
Potassium	224	mg/L	1.0	87	70	130			
Sodium	437	mg/L	3.9	97	70	130			
Sample ID: C08100849-005CMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_081104A				11/04/08 14:41
Calcium	583	mg/L	1.0	88	70	130	1	20	
Magnesium	401	mg/L	1.0	94	70	130	0.4	20	
Potassium	224	mg/L	1.0	87	70	130	0	20	
Sodium	437	mg/L	3.9	97	70	130	0	20	

Qualifiers:

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ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Not Indicated

Report Date: 11/19/08
Work Order: C08100852

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: 20236	
Sample ID: C08100958-001AMSD3	Sample Matrix Spike Duplicate				Run: ICPMS2-C_081030A			10/30/08 15:26	
Aluminum	2.82	mg/L	0.10	107	70	130	26	20	R
Beryllium	0.245	mg/L	0.010	98	70	130	3.5	20	
Cadmium	0.247	mg/L	0.010	99	70	130	3	20	
Cobalt	0.531	mg/L	0.010	106	70	130	10	20	
Lead	0.509	mg/L	0.050	102	70	130	2	20	
Manganese	3.00	mg/L	0.010	108	70	130	9.2	20	
Molybdenum	0.525	mg/L	0.10	104	70	130	4.4	20	
Nickel	0.490	mg/L	0.050	97	70	130	4.3	20	
Uranium	0.497	mg/L	0.00032	99	70	130	2.4	20	
Vanadium	0.522	mg/L	0.10	103	70	130	5.1	20	
Sample ID: MB-20236	Method Blank				Run: ICPMS2-C_081030A			10/31/08 03:11	
Aluminum	0.006	mg/L	0.0002						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	3E-05						
Cobalt	ND	mg/L	2E-05						
Lead	ND	mg/L	5E-05						
Manganese	4E-05	mg/L	3E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	0.0001	mg/L	6E-05						
Uranium	ND	mg/L	3E-05						
Vanadium	0.010	mg/L	6E-05						
Sample ID: LCS3-20236	Laboratory Control Sample				Run: ICPMS2-C_081030A			10/31/08 03:18	
Aluminum	2.30	mg/L	0.10	92	85	115			
Beryllium	0.287	mg/L	0.010	115	85	115			
Cadmium	0.251	mg/L	0.010	101	85	115			
Cobalt	0.483	mg/L	0.010	97	85	115			
Lead	0.541	mg/L	0.050	108	85	115			
Manganese	2.42	mg/L	0.010	97	85	115			
Molybdenum	0.532	mg/L	0.10	106	85	115			
Nickel	0.508	mg/L	0.050	102	85	115			
Uranium	0.563	mg/L	0.00030	113	85	115			
Vanadium	0.498	mg/L	0.10	100	85	115			
Sample ID: C08100958-001AMS3	Sample Matrix Spike				Run: ICPMS2-C_081030A			10/31/08 07:42	
Aluminum	2.17	mg/L	0.10	81	70	130			
Beryllium	0.253	mg/L	0.010	101	70	130			
Cadmium	0.240	mg/L	0.010	96	70	130			
Cobalt	0.480	mg/L	0.010	96	70	130			
Lead	0.499	mg/L	0.050	100	70	130			
Manganese	2.73	mg/L	0.010	97	70	130			
Molybdenum	0.503	mg/L	0.10	99	70	130			
Nickel	0.469	mg/L	0.050	93	70	130			

Qualifiers:

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R - RPD exceeds advisory limit.
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Not Indicated

Report Date: 11/19/08
Work Order: C08100852

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: 20236
Sample ID: C08100958-001AMS3	Sample Matrix Spike				Run: ICPMS2-C_081030A				10/31/08 07:42
Uranium	0.509	mg/L	0.00032	102	70	130			
Vanadium	0.495	mg/L	0.10	98	70	130			

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QA/QC Summary Report

Client: United Nuclear Corp
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Report Date: 11/19/08
Work Order: C08100852

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R110289
Sample ID: LRB	Method Blank				Run: ICPMS2-C_081 103A				11/03/08 12:07
Aluminum	ND	mg/L	0.0001						
Beryllium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Cobalt	ND	mg/L	2E-05						
Lead	ND	mg/L	3E-05						
Manganese	ND	mg/L	5E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	0.0007						
Uranium	ND	mg/L	1E-05						
Vanadium	ND	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS2-C_081103A				11/03/08 12:14
Aluminum	0.0512	mg/L	0.0010	102	85	115			
Beryllium	0.0497	mg/L	0.0010	99	85	115			
Cadmium	0.0494	mg/L	0.0010	99	85	115			
Cobalt	0.0496	mg/L	0.0010	99	85	115			
Lead	0.0501	mg/L	0.0010	100	85	115			
Manganese	0.0499	mg/L	0.0010	100	85	115			
Molybdenum	0.0497	mg/L	0.0010	99	85	115			
Nickel	0.0503	mg/L	0.0010	101	85	115			
Uranium	0.0496	mg/L	0.00030	99	85	115			
Vanadium	0.0496	mg/L	0.0010	99	85	115			
Sample ID: C08100775-005AMS4	Sample Matrix Spike				Run: ICPMS2-C_081103A				11/03/08 22:59
Aluminum	0.0734	mg/L	0.10	79	70	130			
Beryllium	0.0417	mg/L	0.010	83	70	130			
Cadmium	0.0458	mg/L	0.010	87	70	130			
Cobalt	0.0885	mg/L	0.010	83	70	130			
Lead	0.0502	mg/L	0.050	100	70	130			
Manganese	4.84	mg/L	0.010		70	130			A
Molybdenum	0.0584	mg/L	0.10	96	70	130			
Nickel	0.103	mg/L	0.050	82	70	130			
Uranium	0.0557	mg/L	0.00030	106	70	130			
Vanadium	0.0460	mg/L	0.10	92	70	130			
Sample ID: C08100775-005AMSD4	Sample Matrix Spike Duplicate				Run: ICPMS2-C_081103A				11/03/08 23:05
Aluminum	0.0781	mg/L	0.10	88	70	130	0	20	
Beryllium	0.0417	mg/L	0.010	83	70	130	0.1	20	
Cadmium	0.0462	mg/L	0.010	87	70	130	0.7	20	
Cobalt	0.0901	mg/L	0.010	86	70	130	1.8	20	
Lead	0.0498	mg/L	0.050	99	70	130	0	20	
Manganese	4.95	mg/L	0.010		70	130	2.2	20	A
Molybdenum	0.0598	mg/L	0.10	99	70	130	0	20	
Nickel	0.106	mg/L	0.050	88	70	130	3.2	20	

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

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Not Indicated

Report Date: 11/19/08
Work Order: C08100852

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: R110289	
Sample ID: C08100775-005AMSD4	Sample Matrix Spike Duplicate				Run: ICPMS2-C_081103A			11/03/08 23:05	
Uranium	0.0550	mg/L	0.00030	105	70	130	1.3	20	
Vanadium	0.0470	mg/L	0.10	94	70	130	0	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Not Indicated

Report Date: 11/19/08
Work Order: C08100852

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R110382
Sample ID: LRB	Method Blank				Run: ICPMS2-C_081104A				11/04/08 14:15
Aluminum	0.0006	mg/L	0.0001						
Beryllium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Cobalt	ND	mg/L	2E-05						
Lead	ND	mg/L	3E-05						
Manganese	9E-05	mg/L	5E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	0.0007						
Uranium	ND	mg/L	1E-05						
Vanadium	4E-05	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS2-C_081104A				11/04/08 14:22
Aluminum	0.0474	mg/L	0.0010	94	85	115			
Beryllium	0.0485	mg/L	0.0010	97	85	115			
Cadmium	0.0485	mg/L	0.0010	97	85	115			
Cobalt	0.0476	mg/L	0.0010	95	85	115			
Lead	0.0484	mg/L	0.0010	97	85	115			
Manganese	0.0481	mg/L	0.0010	96	85	115			
Molybdenum	0.0479	mg/L	0.0010	96	85	115			
Nickel	0.0482	mg/L	0.0010	96	85	115			
Uranium	0.0484	mg/L	0.00030	97	85	115			
Vanadium	0.0480	mg/L	0.0010	96	85	115			
Sample ID: C08100852-006DMS4	Sample Matrix Spike				Run: ICPMS2-C_081104A				11/04/08 18:40
Aluminum	0.542	mg/L	0.10	87	70	130			
Beryllium	0.444	mg/L	0.010	88	70	130			
Cadmium	0.456	mg/L	0.010	91	70	130			
Cobalt	0.618	mg/L	0.010	93	70	130			
Lead	0.475	mg/L	0.050	95	70	130			
Manganese	5.42	mg/L	0.010		70	130			A
Molybdenum	0.720	mg/L	0.10	94	70	130			
Nickel	0.641	mg/L	0.050	94	70	130			
Uranium	0.628	mg/L	0.00032	100	70	130			
Vanadium	0.449	mg/L	0.10	90	70	130			
Sample ID: C08100852-006DMSD4	Sample Matrix Spike Duplicate				Run: ICPMS2-C_081104A				11/04/08 18:47
Aluminum	0.558	mg/L	0.10	91	70	130	2.9	20	
Beryllium	0.453	mg/L	0.010	90	70	130	2.1	20	
Cadmium	0.459	mg/L	0.010	92	70	130	0.7	20	
Cobalt	0.625	mg/L	0.010	94	70	130	1	20	
Lead	0.480	mg/L	0.050	96	70	130	1.2	20	
Manganese	5.43	mg/L	0.010		70	130	0.3	20	A
Molybdenum	0.716	mg/L	0.10	93	70	130	0.6	20	
Nickel	0.638	mg/L	0.050	94	70	130	0.4	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Not Indicated

Report Date: 11/19/08
Work Order: C08100852

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R110382
Sample ID: C08100852-006DMSD4	Sample Matrix Spike Duplicate				Run: ICPMS2-C_081104A				11/04/08 18:47
Uranium	0.632	mg/L	0.00032	100	70	130	0.5	20	
Vanadium	0.458	mg/L	0.10	91	70	130	1.9	20	
Method: E200.8									Batch: R110682
Sample ID: LRB	Method Blank				Run: ICPMS2-C_081110A				11/10/08 10:55
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS2-C_081110A				11/10/08 10:59
Uranium	0.0519	mg/L	0.00030	104	85	115			
Sample ID: C08110224-004BMS	Sample Matrix Spike				Run: ICPMS2-C_081110A				11/11/08 01:38
Uranium	0.0561	mg/L	0.00030	102	70	130			
Sample ID: C08110224-004BMSD	Sample Matrix Spike Duplicate				Run: ICPMS2-C_081110A				11/11/08 01:42
Uranium	0.0557	mg/L	0.00030	101	70	130	0.7	20	
Method: E350.1									Batch: B_R119678
Sample ID: MBLK	Method Blank				Run: SUB-B119678				10/23/08 12:47
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B119678				10/23/08 12:48
Nitrogen, Ammonia as N	1.02	mg/L	0.10	103	90	110			
Sample ID: B08101903-001BMS	Sample Matrix Spike				Run: SUB-B119678				10/23/08 13:08
Nitrogen, Ammonia as N	1.89	mg/L	0.10	95	90	110			
Sample ID: B08101903-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-B119678				10/23/08 13:09
Nitrogen, Ammonia as N	1.89	mg/L	0.10	94	90	110	0.1	10	
Method: E350.1									Batch: B_R119812
Sample ID: MBLK	Method Blank				Run: SUB-B119812				10/27/08 09:31
Nitrogen, Ammonia as N	0.04	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B119812				10/27/08 09:32
Nitrogen, Ammonia as N	1.02	mg/L	0.10	99	90	110			
Sample ID: B08102122-001DMS	Sample Matrix Spike				Run: SUB-B119812				10/27/08 11:13
Nitrogen, Ammonia as N	1.01	mg/L	0.10	103	90	110			
Sample ID: B08102122-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-B119812				10/27/08 11:14
Nitrogen, Ammonia as N	1.01	mg/L	0.10	103	90	110	0.5	10	

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QA/QC Summary Report

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Work Order: C08100852

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2									Batch: B_R119574
Sample ID: MBLK	Method Blank				Run: SUB-B119574				10/22/08 10:05
Nitrogen, Nitrate+Nitrite as N	0.005	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B119574				10/22/08 10:06
Nitrogen, Nitrate+Nitrite as N	1.01	mg/L	0.050	103	90	110			
Sample ID: C08100852-007F	Sample Matrix Spike				Run: SUB-B119574				10/22/08 11:52
Nitrogen, Nitrate+Nitrite as N	0.965	mg/L	0.050	96	90	110			
Sample ID: C08100852-007F	Sample Matrix Spike Duplicate				Run: SUB-B119574				10/22/08 11:53
Nitrogen, Nitrate+Nitrite as N	1.01	mg/L	0.050	101	90	110	4.7	10	

Qualifiers:

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Report Date: 11/19/08
Work Order: C08100852

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R109867
Sample ID: 102408_LCS_38	Laboratory Control Sample				Run: SATURNCA_081024C				10/25/08 08:45
Bromodichloromethane	9.36	ug/L	1.0	94	70	130			
Bromoform	9.68	ug/L	1.0	97	70	130			
Chlorodibromomethane	9.48	ug/L	1.0	95	70	130			
Chloroform	10.4	ug/L	1.0	104	70	130			
Trihalomethanes, Total	38.9	ug/L	1.0	97	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	103	80	120			
Surr: Dibromofluoromethane			1.0	100	80	120			
Surr: p-Bromofluorobenzene			1.0	101	80	120			
Surr: Toluene-d8			1.0	102	80	120			
Sample ID: 102408_MBLK_40	Method Blank				Run: SATURNCA_081024C				10/25/08 10:01
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Trihalomethanes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4			1.0	103	80	120			
Surr: Dibromofluoromethane			1.0	119	80	120			
Surr: p-Bromofluorobenzene			1.0	88	80	120			
Surr: Toluene-d8			1.0	101	80	120			
Sample ID: C08100853-006GMS	Sample Matrix Spike				Run: SATURNCA_081024C				10/25/08 16:20
Bromodichloromethane	86.0	ug/L	5.0	86	70	130			
Bromoform	89.2	ug/L	5.0	89	70	130			
Chlorodibromomethane	86.0	ug/L	5.0	86	70	130			
Chloroform	94.0	ug/L	5.0	94	70	130			
Trihalomethanes, Total	355	ug/L	5.0	89	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	104	80	120			
Surr: Dibromofluoromethane			1.0	87	80	120			
Surr: p-Bromofluorobenzene			1.0	98	80	120			
Surr: Toluene-d8			1.0	98	80	120			
Sample ID: C08100853-006GMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_081024C				10/25/08 16:57
Bromodichloromethane	101	ug/L	5.0	101	70	130	16	20	
Bromoform	97.6	ug/L	5.0	98	70	130	9	20	
Chlorodibromomethane	96.0	ug/L	5.0	96	70	130	11	20	
Chloroform	115	ug/L	5.0	115	70	130	20	20	
Trihalomethanes, Total	409	ug/L	5.0	102	70	130	14	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	112	80	120			
Surr: Dibromofluoromethane			1.0	110	80	120			
Surr: p-Bromofluorobenzene			1.0	99	80	120			
Surr: Toluene-d8			1.0	99	80	120			

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Not Indicated

Report Date: 11/19/08
Work Order: C08100852

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1									Batch: GA-0180
Sample ID: MB-GA-0180	Method Blank				Run: G5000W_081027B				10/30/08 15:08
Gross Alpha minus Rn & U	0.7	pCi/L							
Sample ID: LCS-GA-0180	Laboratory Control Sample				Run: G5000W_081027B				10/30/08 15:08
Gross Alpha minus Rn & U	26.7	pCi/L		99	70	130			
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: G5000W_081027B				10/30/08 16:48
Gross Alpha minus Rn & U	25.2	pCi/L		91	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: G5000W_081027B				10/30/08 16:48
Gross Alpha minus Rn & U	23.7	pCi/L		86	70	130	5.9	23.5	
Method: E900.1									Batch: GA-0187
Sample ID: MB-GA-0187	Method Blank				Run: BERTHOLD 770-2_081112A				11/14/08 18:40
Gross Alpha minus Rn & U	-0.2	pCi/L							U
Sample ID: LCS-GA-0187	Laboratory Control Sample				Run: BERTHOLD 770-2_081112A				11/14/08 18:40
Gross Alpha minus Rn & U	23.3	pCi/L		89	70	130			
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770-2_081112A				11/14/08 18:40
Gross Alpha minus Rn & U	25.3	pCi/L		95	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770-2_081112A				11/14/08 18:40
Gross Alpha minus Rn & U	25.4	pCi/L		95	70	130	0.5	26.3	
Method: E903.0									Batch: RA226-3193
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770_081027F				11/10/08 15:06
Radium 226	7.6	pCi/L		95	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_081027F				11/10/08 16:42
Radium 226	7.4	pCi/L		93	70	130	2.4	25.1	
Sample ID: MB-RA226-3193	Method Blank				Run: BERTHOLD 770_081027F				11/10/08 16:42
Radium 226	-0.2	pCi/L							U
Sample ID: LCS-RA226-3193	Laboratory Control Sample				Run: BERTHOLD 770_081027F				11/10/08 16:42
Radium 226	8.7	pCi/L		113	70	130			

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Not Indicated

Report Date: 11/19/08
Work Order: C08100852

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: RA-TH-ISO-0669
Sample ID: LCS-RA-TH-ISO-0669	Laboratory Control Sample				Run: EGG-ORTEC_081023A				10/30/08 15:52
Thorium 230	10.2	pCi/L	0.20	90	70	130			
Sample ID: C08100852-001FMS	Sample Matrix Spike				Run: EGG-ORTEC_081023A				10/30/08 15:52
Thorium 230	47.2	pCi/L	0.20	97	70	130			
Sample ID: C08100852-001FMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_081023A				10/30/08 15:52
Thorium 230	39.3	pCi/L	0.20	81	70	130	18	38.4	
Sample ID: MB-RA-TH-ISO-0669	Method Blank				Run: EGG-ORTEC_081023A				10/31/08 12:20
Thorium 230	-0.07	pCi/L							U
Method: E909.0M									Batch: R110262
Sample ID: C08100849-003FMS	Sample Matrix Spike				Run: PACKARD 3100TR_081028A				10/28/08 10:11
Lead 210	99	pCi/L		86	70	130			
Sample ID: C08100852-002EDUP	Sample Duplicate				Run: PACKARD 3100TR_081028A				10/28/08 10:11
Lead 210	-2.4	pCi/L					8.7	30	U
Sample ID: MB-R110262	Method Blank				Run: PACKARD 3100TR_081028A				10/28/08 10:11
Lead 210	0.2	pCi/L							U
Sample ID: LCS-R110262	Laboratory Control Sample				Run: PACKARD 3100TR_081028A				10/28/08 10:11
Lead 210	57	pCi/L		97	70	130			
Method: RA-05									Batch: RA228-2368
Sample ID: LCS-228-RA226-3193	Laboratory Control Sample				Run: TENNELEC-3_081027C				11/04/08 12:09
Radium 228	8.9	pCi/L		86	70	130			
Sample ID: MB-RA226-3193	Method Blank				Run: TENNELEC-3_081027C				11/04/08 12:09
Radium 228	0.9	pCi/L							U
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_081027C				11/04/08 12:09
Radium 228	9.1	pCi/L		93	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_081027C				11/04/08 12:09
Radium 228	8.4	pCi/L		86	70	130	8.2	33.8	

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ANALYTICAL SUMMARY REPORT

November 19, 2008

United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C08100853 Quote ID: C129 - Quarterly Long List

Project Name: Zone 3

Energy Laboratories, Inc. received the following 10 samples for United Nuclear Corp on 10/17/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08100853-001	708	10/13/08 14:50	10/17/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Acidity, Total as CaCO3 Alkalinity QA Calculations Chloride Arsenic Speciation Selenium-IV, Total Sample Filtering Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics
C08100853-002	711	10/13/08 15:30	10/17/08	Aqueous	Same As Above
C08100853-003	711 Duplicate	10/13/08 16:10	10/17/08	Aqueous	Same As Above
C08100853-004	EPA-13	10/13/08 16:50	10/17/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity QA Calculations Chloride Arsenic Speciation Selenium-IV, Total Sample Filtering Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics

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ANALYTICAL SUMMARY REPORT

C08100853-005 719	10/13/08 17:35 10/17/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Acidity, Total as CaCO3 Alkalinity QA Calculations Chloride Arsenic Speciation Selenium-IV, Total Sample Filtering Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics
C08100853-006 504-B	10/13/08 18:10 10/17/08	Aqueous	Same As Above
C08100853-007 EPA-14	10/14/08 09:30 10/17/08	Aqueous	Same As Above
C08100853-008 717	10/14/08 10:10 10/17/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity QA Calculations Chloride Arsenic Speciation Selenium-IV, Total Sample Filtering Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics
C08100853-009 420	10/14/08 10:50 10/17/08	Aqueous	Same As Above
C08100853-010 NBL-1	10/14/08 12:55 10/17/08	Aqueous	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

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

Report Approved By: Stephanie Waldrop

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CLIENT: United Nuclear Corp
Project: Zone 3
Sample Delivery Group: C08100853

Date: 20-Nov-08

CASE NARRATIVE

PB210 ANALYSIS
The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis.

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

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.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

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.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
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

CERTFICATIONS:
USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

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

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 11/19/08
Work Order: C08100853

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: R109534
Sample ID: MBLK-1	Method Blank				Run: MANTECH_081020A				10/20/08 10:32
Alkalinity, Total as CaCO3	ND	mg/L	0.2						
Bicarbonate as HCO3	ND	mg/L	1						
Sample ID: LCS-1	Laboratory Control Sample				Run: MANTECH_081020A				10/20/08 10:39
Alkalinity, Total as CaCO3	200	mg/L	1.0	100	90	110			
Sample ID: C08100853-007AMS	Sample Matrix Spike				Run: MANTECH_081020A				10/20/08 15:52
Alkalinity, Total as CaCO3	ND	mg/L	1.0		80	120			S
Sample pH is 4.1; no alkalinity.									
Sample ID: C08100853-007AMSD	Sample Matrix Spike Duplicate				Run: MANTECH_081020A				10/20/08 15:56
Alkalinity, Total as CaCO3	ND	mg/L	1.0		80	120	0	20	S
Sample pH is 4.1; no alkalinity.									
Method: A2320 B									Batch: R109778
Sample ID: MBLK-1	Method Blank				Run: MANTECH_081023A				10/23/08 10:33
Alkalinity, Total as CaCO3	ND	mg/L	0.2						
Bicarbonate as HCO3	ND	mg/L	1						
Sample ID: LCS-1	Laboratory Control Sample				Run: MANTECH_081023A				10/23/08 10:40
Alkalinity, Total as CaCO3	199	mg/L	1.0	99	90	110			
Sample ID: C08100861-001AMS	Sample Matrix Spike				Run: MANTECH_081023A				10/23/08 11:09
Alkalinity, Total as CaCO3	180	mg/L	1.0	98	80	120			
Sample ID: C08100861-001AMSD	Sample Matrix Spike Duplicate				Run: MANTECH_081023A				10/23/08 11:16
Alkalinity, Total as CaCO3	180	mg/L	1.0	98	80	120	0.1	20	
Method: A2540 C									Batch: 081020_1_SLDS-TDS-W
Sample ID: MBLK1_081020	Method Blank				Run: BAL-1_081020B				10/20/08 15:16
Solids, Total Dissolved TDS @ 180 C	10	mg/L	6						
Sample ID: LCS1_081020	Laboratory Control Sample				Run: BAL-1_081020B				10/20/08 15:16
Solids, Total Dissolved TDS @ 180 C	1020	mg/L	10	102	90	110			
Sample ID: C08100853-010BMS	Sample Matrix Spike				Run: BAL-1_081020B				10/20/08 15:18
Solids, Total Dissolved TDS @ 180 C	6170	mg/L	10	99	90	110			
Sample ID: C08100853-010BMSD	Sample Matrix Spike Duplicate				Run: BAL-1_081020B				10/20/08 15:19
Solids, Total Dissolved TDS @ 180 C	6170	mg/L	10	99	90	110	0	10	

Qualifiers:

RL - Analyte reporting limit.
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S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 11/19/08
Work Order: C08100853

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: SE3114-081030A	
Sample ID: MBLK	Method Blank				Run: CVAA-C202_081030A			10/30/08 10:09	
Selenium-IV	ND	mg/L	0.0003						
Sample ID: 288-162-4	Laboratory Control Sample				Run: CVAA-C202_081030A			10/30/08 10:11	
Selenium-IV	0.0534	mg/L	0.0010	107	90	110			
Sample ID: C08100853-001DMS	Sample Matrix Spike				Run: CVAA-C202_081030A			10/30/08 10:18	
Selenium-IV	0.0492	mg/L	0.0010	98	85	115			
Sample ID: C08100853-001DMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_081030A			10/30/08 10:21	
Selenium-IV	0.0502	mg/L	0.0010	100	85	115	2.1	10	
Method: A4500-Cl B								Batch: 081027A-CL-TTR-W	
Sample ID: MBLK9-081027A	Method Blank				Run: TITRATION_081027A			10/27/08 12:13	
Chloride	ND	mg/L	0.4						
Sample ID: C08100853-005AMS	Sample Matrix Spike				Run: TITRATION_081027A			10/27/08 13:30	
Chloride	210	mg/L	1.0	103	90	110			
Sample ID: C08100853-005AMSD	Sample Matrix Spike Duplicate				Run: TITRATION_081027A			10/27/08 13:31	
Chloride	210	mg/L	1.0	103	90	110	0	10	
Sample ID: LCS35-081027A	Laboratory Control Sample				Run: TITRATION_081027A			10/27/08 13:31	
Chloride	3560	mg/L	1.0	101	90	110			
Sample ID: C08100879-005AMS	Sample Matrix Spike				Run: TITRATION_081027A			10/27/08 14:03	
Chloride	4420	mg/L	1.0	94	90	110			
Sample ID: C08100879-005AMSD	Sample Matrix Spike Duplicate				Run: TITRATION_081027A			10/27/08 14:03	
Chloride	4420	mg/L	1.0	94	90	110	0	10	
Method: A4500-H B								Analytical Run: ORION555A_081020A	
Sample ID: ICV1_081020_1	Initial Calibration Verification Standard							10/20/08 09:19	
pH	6.83	s.u.	0.010	100	98	102			
Method: A4500-H B								Batch: 081020_1_PH-W_555A-1	
Sample ID: C08100853-001BDUP	Sample Duplicate				Run: ORION555A_081020A			10/20/08 10:52	
pH	3.57	s.u.	0.010				0.3	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 11/19/08
Work Order: C08100853

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B									Analytical Run: ORION555A_081020B
Sample ID: ICV1_081020_2	Initial Calibration Verification Standard								10/20/08 13:07
pH	6.88	s.u.	0.010	100	98	102			
Method: A4500-H B									Batch: 081020_2_PH-W_555A-1
Sample ID: C08100855-004ADUP	Sample Duplicate				Run: ORION555A_081020B				10/20/08 13:43
pH	7.73	s.u.	0.010				0.4	10	
Method: A4500-H B									Analytical Run: ORION555A_081021A
Sample ID: ICV1_081021_1	Initial Calibration Verification Standard								10/21/08 10:22
pH	6.81	s.u.	0.010	99	98	102			
Method: A4500-H B									Batch: 081021_1_PH-W_555A-1
Sample ID: C08100875-001ADUP	Sample Duplicate				Run: ORION555A_081021A				10/21/08 10:52
pH	7.71	s.u.	0.010				0.4	10	
Method: A4500-SO4 E									Batch: 081020_1_SO4-TURB-W
Sample ID: LCS-1_081020	Laboratory Control Sample				Run: TURB-2_081020A				10/20/08 09:19
Sulfate	5030	mg/L	59	105	90	110			
Sample ID: MBLK-1_081020	Method Blank				Run: TURB-2_081020A				10/20/08 09:19
Sulfate	ND	mg/L	0.6						
Sample ID: C08100849-007AMS	Sample Matrix Spike				Run: TURB-2_081020A				10/20/08 11:12
Sulfate	1130	mg/L	15	103	90	110			
Sample ID: C08100849-007AMSD	Sample Matrix Spike Duplicate				Run: TURB-2_081020A				10/20/08 11:12
Sulfate	1140	mg/L	15	106	90	110	1.1	10	
Sample ID: C08100853-010AMS	Sample Matrix Spike				Run: TURB-2_081020A				10/20/08 12:17
Sulfate	7850	mg/L	150	109	90	110			
Sample ID: C08100853-010AMSD	Sample Matrix Spike Duplicate				Run: TURB-2_081020A				10/20/08 12:17
Sulfate	7950	mg/L	150	111	90	110	1.2	10	S

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 11/19/08
Work Order: C08100853

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-SO4 E									Batch: 081114_1_SO4-TURB-W
Sample ID: LCS-1_081114	Laboratory Control Sample				Run: TURB-2_081114A				11/14/08 10:41
Sulfate	4820	mg/L	59	100	90	110			
Sample ID: MBLK-1_081114	Method Blank				Run: TURB-2_081114A				11/14/08 10:41
Sulfate	ND	mg/L	0.6						
Sample ID: C08100535-003AMS	Sample Matrix Spike				Run: TURB-2_081114A				11/14/08 10:48
Sulfate	506	mg/L	5.9	105	90	110			
Sample ID: C08100535-003AMSD	Sample Matrix Spike Duplicate				Run: TURB-2_081114A				11/14/08 10:49
Sulfate	505	mg/L	5.9	105	90	110	0.2	10	
Method: E1632AM									Batch: H_R49416
Sample ID: MBLK_13r	Method Blank				Run: SUB-H49416				10/24/08 11:54
Arsenic-III	ND	ug/L	0.3						
Sample ID: AS081024-LCS	Laboratory Control Sample				Run: SUB-H49416				10/24/08 12:02
Arsenic-III	49.6	ug/L	5.0	99	90	110			
Sample ID: C08100852-006D	Sample Matrix Spike				Run: SUB-H49416				10/24/08 14:46
Arsenic-III	66.3	ug/L	5.0	125	80	120			S
Sample ID: C08100852-006D	Sample Matrix Spike Duplicate				Run: SUB-H49416				10/24/08 14:54
Arsenic-III	66.0	ug/L	5.0	125	80	120	0.5	20	S
Method: E1632AM									Batch: H_R49445
Sample ID: AS081027-LCS	Laboratory Control Sample				Run: SUB-H49445				10/27/08 15:53
Arsenic-III	45.3	ug/L	5.0	91	90	110			
Sample ID: MBLK_13r	Method Blank				Run: SUB-H49445				10/27/08 15:20
Arsenic-III	ND	ug/L	0.3						
Sample ID: H08100273-010D DUP	Sample Duplicate				Run: SUB-H49445				10/27/08 16:20
Arsenic-III	57.1	ug/L	1.0				1.8	20	
Sample ID: C08100849-005D	Sample Matrix Spike				Run: SUB-H49445				10/27/08 17:10
Arsenic-III	49.1	ug/L	5.0	96	80	120			
Sample ID: C08100849-005D	Sample Matrix Spike Duplicate				Run: SUB-H49445				10/27/08 17:18
Arsenic-III	48.4	ug/L	5.0	94	80	120	1.4	20	

Qualifiers:

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ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 11/19/08
Work Order: C08100853

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: 20236
Sample ID: MB-20236	Method Blank				Run: ICP2-C_081103A				11/03/08 16:59
Aluminum	0.007	mg/L	0.002						
Sample ID: LCS3-20236	Laboratory Control Sample				Run: ICP2-C_081103A				11/03/08 17:03
Aluminum	2.68	mg/L	0.10	107	85	115			
Sample ID: C08100958-001AMS3	Sample Matrix Spike				Run: ICP2-C_081103A				11/03/08 18:28
Aluminum	2.79	mg/L	0.10	105	70	130			
Sample ID: C08100958-001AMSD3	Sample Matrix Spike Duplicate				Run: ICP2-C_081103A				11/03/08 18:32
Aluminum	2.75	mg/L	0.10	103	70	130	1.7	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 11/19/08
Work Order: C08100853

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R110446
Sample ID: MB-081105A	Method Blank				Run: ICP2-C_081105A				11/05/08 11:44
Calcium	ND	mg/L	0.1						
Magnesium	ND	mg/L	0.04						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Sample ID: LFB-081105A	Laboratory Fortified Blank				Run: ICP2-C_081105A				11/05/08 11:48
Calcium	49.4	mg/L	0.50	99	85	125			
Magnesium	49.8	mg/L	0.50	100	85	125			
Potassium	43.5	mg/L	0.50	87	85	125			
Sodium	47.1	mg/L	0.77	94	85	125			
Sample ID: C08100853-001CMS2	Sample Matrix Spike				Run: ICP2-C_081105A				11/05/08 12:00
Calcium	945	mg/L	1.1	97	70	130			
Magnesium	1060	mg/L	1.0	97	70	130			
Potassium	447	mg/L	1.0	88	70	130			
Sodium	585	mg/L	7.7	95	70	130			
Sample ID: C08100853-001CMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_081105A				11/05/08 12:04
Calcium	947	mg/L	1.1	97	70	130	0.2	20	
Magnesium	1060	mg/L	1.0	98	70	130	0.1	20	
Potassium	448	mg/L	1.0	88	70	130	0.1	20	
Sodium	580	mg/L	7.7	94	70	130	0.9	20	
Sample ID: C08101113-001BMS2	Sample Matrix Spike				Run: ICP2-C_081105A				11/05/08 13:05
Calcium	52.0	mg/L	1.0	102	70	130			
Magnesium	50.6	mg/L	1.0	101	70	130			
Potassium	45.0	mg/L	1.0	89	70	130			
Sodium	139	mg/L	1.0	95	70	130			
Sample ID: C08101113-001BMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_081105A				11/05/08 13:09
Calcium	51.6	mg/L	1.0	101	70	130	0.8	20	
Magnesium	50.3	mg/L	1.0	100	70	130	0.7	20	
Potassium	44.6	mg/L	1.0	89	70	130	0.9	20	
Sodium	138	mg/L	1.0	91	70	130	1.2	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 11/19/08
Work Order: C08100853

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R110772
Sample ID: MB-081110A	Method Blank				Run: ICP2-C_081111A				11/11/08 10:32
Calcium	ND	mg/L	0.1						
Magnesium	ND	mg/L	0.04						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Sample ID: LFB-081110A	Laboratory Fortified Blank				Run: ICP2-C_081111A				11/11/08 10:36
Calcium	51.3	mg/L	0.50	103	85	125			
Magnesium	52.1	mg/L	0.50	104	85	125			
Potassium	46.6	mg/L	0.50	93	85	125			
Sodium	50.7	mg/L	0.77	101	85	125			
Sample ID: C08100690-001CMS2	Sample Matrix Spike				Run: ICP2-C_081111A				11/11/08 12:29
Calcium	133	mg/L	1.0	108	70	130			
Magnesium	112	mg/L	1.0	108	70	130			
Potassium	94.7	mg/L	1.0	93	70	130			
Sodium	606	mg/L	1.5		70	130			A
Sample ID: C08100690-001CMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_081111A				11/11/08 12:33
Calcium	132	mg/L	1.0	106	70	130	1.1	20	
Magnesium	111	mg/L	1.0	107	70	130	1.1	20	
Potassium	94.2	mg/L	1.0	93	70	130	0.5	20	
Sodium	604	mg/L	1.5		70	130	0.3	20	A

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 11/19/08
Work Order: C08100853

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: 20236
Sample ID: C08100958-001AMSD3	Sample Matrix Spike Duplicate				Run: ICPMS2-C_081030A				10/30/08 15:26
Beryllium	0.245	mg/L	0.010	98	70	130	3.5	20	
Cadmium	0.247	mg/L	0.010	99	70	130	3	20	
Cobalt	0.531	mg/L	0.010	106	70	130	10	20	
Lead	0.509	mg/L	0.050	102	70	130	2	20	
Manganese	3.00	mg/L	0.010	108	70	130	9.2	20	
Molybdenum	0.525	mg/L	0.10	104	70	130	4.4	20	
Nickel	0.490	mg/L	0.050	97	70	130	4.3	20	
Uranium	0.497	mg/L	0.00032	99	70	130	2.4	20	
Vanadium	0.522	mg/L	0.10	103	70	130	5.1	20	
Sample ID: MB-20236	Method Blank				Run: ICPMS2-C_081030A				10/31/08 03:11
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	3E-05						
Cobalt	ND	mg/L	2E-05						
Lead	ND	mg/L	5E-05						
Manganese	4E-05	mg/L	3E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	0.0001	mg/L	6E-05						
Uranium	ND	mg/L	3E-05						
Vanadium	0.010	mg/L	6E-05						
Sample ID: LCS3-20236	Laboratory Control Sample				Run: ICPMS2-C_081030A				10/31/08 03:18
Beryllium	0.287	mg/L	0.010	115	85	115			
Cadmium	0.251	mg/L	0.010	101	85	115			
Cobalt	0.483	mg/L	0.010	97	85	115			
Lead	0.541	mg/L	0.050	108	85	115			
Manganese	2.42	mg/L	0.010	97	85	115			
Molybdenum	0.532	mg/L	0.10	106	85	115			
Nickel	0.508	mg/L	0.050	102	85	115			
Uranium	0.563	mg/L	0.00030	113	85	115			
Vanadium	0.498	mg/L	0.10	100	85	115			
Sample ID: C08100958-001AMS3	Sample Matrix Spike				Run: ICPMS2-C_081030A				10/31/08 07:42
Beryllium	0.253	mg/L	0.010	101	70	130			
Cadmium	0.240	mg/L	0.010	96	70	130			
Cobalt	0.480	mg/L	0.010	96	70	130			
Lead	0.499	mg/L	0.050	100	70	130			
Manganese	2.73	mg/L	0.010	97	70	130			
Molybdenum	0.503	mg/L	0.10	99	70	130			
Nickel	0.469	mg/L	0.050	93	70	130			
Uranium	0.509	mg/L	0.00032	102	70	130			
Vanadium	0.495	mg/L	0.10	98	70	130			

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QA/QC Summary Report

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Report Date: 11/19/08
Work Order: C08100853

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R110382
Sample ID: LRB	Method Blank				Run: ICPMS2-C_081104A				11/04/08 14:15
Aluminum	0.0006	mg/L	0.0001						
Beryllium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Cobalt	ND	mg/L	2E-05						
Lead	ND	mg/L	3E-05						
Manganese	9E-05	mg/L	5E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	0.0007						
Uranium	ND	mg/L	1E-05						
Vanadium	4E-05	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS2-C_081104A				11/04/08 14:22
Aluminum	0.0474	mg/L	0.0010	94	85	115			
Beryllium	0.0485	mg/L	0.0010	97	85	115			
Cadmium	0.0485	mg/L	0.0010	97	85	115			
Cobalt	0.0476	mg/L	0.0010	95	85	115			
Lead	0.0484	mg/L	0.0010	97	85	115			
Manganese	0.0481	mg/L	0.0010	96	85	115			
Molybdenum	0.0479	mg/L	0.0010	96	85	115			
Nickel	0.0482	mg/L	0.0010	96	85	115			
Uranium	0.0484	mg/L	0.00030	97	85	115			
Vanadium	0.0480	mg/L	0.0010	96	85	115			
Sample ID: C08100852-006DMS4	Sample Matrix Spike				Run: ICPMS2-C_081104A				11/04/08 18:40
Aluminum	0.542	mg/L	0.10	87	70	130			
Beryllium	0.444	mg/L	0.010	88	70	130			
Cadmium	0.456	mg/L	0.010	91	70	130			
Cobalt	0.618	mg/L	0.010	93	70	130			
Lead	0.475	mg/L	0.050	95	70	130			
Manganese	5.42	mg/L	0.010		70	130			A
Molybdenum	0.720	mg/L	0.10	94	70	130			
Nickel	0.641	mg/L	0.050	94	70	130			
Uranium	0.628	mg/L	0.00032	100	70	130			
Vanadium	0.449	mg/L	0.10	90	70	130			
Sample ID: C08100852-006DMSD4	Sample Matrix Spike Duplicate				Run: ICPMS2-C_081104A				11/04/08 18:47
Aluminum	0.558	mg/L	0.10	91	70	130	2.9	20	
Beryllium	0.453	mg/L	0.010	90	70	130	2.1	20	
Cadmium	0.459	mg/L	0.010	92	70	130	0.7	20	
Cobalt	0.625	mg/L	0.010	94	70	130	1	20	
Lead	0.480	mg/L	0.050	96	70	130	1.2	20	
Manganese	5.43	mg/L	0.010		70	130	0.3	20	A
Molybdenum	0.716	mg/L	0.10	93	70	130	0.6	20	
Nickel	0.638	mg/L	0.050	94	70	130	0.4	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 11/19/08
Work Order: C08100853

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: R110382	
Sample ID: C08100852-006DMSD4	Sample Matrix Spike Duplicate				Run: ICPMS2-C_081104A			11/04/08 18:47	
Uranium	0.632	mg/L	0.00032	100	70	130	0.5	20	
Vanadium	0.458	mg/L	0.10	91	70	130	1.9	20	
Sample ID: C08100853-010DMS4	Sample Matrix Spike				Run: ICPMS2-C_081104A			11/04/08 20:55	
Aluminum	1.14	mg/L	0.10	90	70	130			
Beryllium	0.534	mg/L	0.010	107	70	130			
Cadmium	0.556	mg/L	0.010	111	70	130			
Cobalt	0.586	mg/L	0.010	114	70	130			
Lead	0.578	mg/L	0.050	115	70	130			
Manganese	2.56	mg/L	0.010		70	130			A
Molybdenum	1.35	mg/L	0.10	104	70	130			
Nickel	0.592	mg/L	0.050	113	70	130			
Uranium	0.880	mg/L	0.00032	122	70	130			
Vanadium	0.552	mg/L	0.10	110	70	130			
Sample ID: C08100853-010DMSD4	Sample Matrix Spike Duplicate				Run: ICPMS2-C_081104A			11/04/08 21:02	
Aluminum	1.04	mg/L	0.10	70	70	130	9.2	20	
Beryllium	0.525	mg/L	0.010	105	70	130	1.8	20	
Cadmium	0.556	mg/L	0.010	111	70	130	0	20	
Cobalt	0.586	mg/L	0.010	114	70	130	0.1	20	
Lead	0.579	mg/L	0.050	116	70	130	0.2	20	
Manganese	2.55	mg/L	0.010		70	130	0.6	20	A
Molybdenum	1.35	mg/L	0.10	104	70	130	0.1	20	
Nickel	0.593	mg/L	0.050	114	70	130	0.3	20	
Uranium	0.881	mg/L	0.00032	122	70	130	0.2	20	
Vanadium	0.549	mg/L	0.10	109	70	130	0.5	20	

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QA/QC Summary Report

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Project: Zone 3

Report Date: 11/19/08
Work Order: C08100853

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E350.1									Batch: B_R119812
Sample ID: MBLK	Method Blank				Run: SUB-B119812				10/27/08 09:31
Nitrogen, Ammonia as N	0.04	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B119812				10/27/08 09:32
Nitrogen, Ammonia as N	1.02	mg/L	0.10	99	90	110			
Sample ID: B08102216-001CMS	Sample Matrix Spike				Run: SUB-B119812				10/27/08 11:45
Nitrogen, Ammonia as N	1.25	mg/L	0.10	96	90	110			
Sample ID: B08102216-001CMSD	Sample Matrix Spike Duplicate				Run: SUB-B119812				10/27/08 11:46
Nitrogen, Ammonia as N	1.25	mg/L	0.10	96	90	110	0.3	10	
Sample ID: C08100853-003E	Sample Matrix Spike				Run: SUB-B119812				10/27/08 12:00
Nitrogen, Ammonia as N	22.0	mg/L	0.38	106	90	110			
Sample ID: C08100853-003E	Sample Matrix Spike Duplicate				Run: SUB-B119812				10/27/08 12:01
Nitrogen, Ammonia as N	21.6	mg/L	0.38	104	90	110	1.7	10	
Method: E353.2									Batch: B_R119574
Sample ID: MBLK	Method Blank				Run: SUB-B119574				10/22/08 10:05
Nitrogen, Nitrate+Nitrite as N	0.005	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B119574				10/22/08 10:06
Nitrogen, Nitrate+Nitrite as N	1.01	mg/L	0.050	103	90	110			
Sample ID: C08100853-001E	Sample Matrix Spike				Run: SUB-B119574				10/22/08 15:01
Nitrogen, Nitrate+Nitrite as N	0.147	mg/L	0.050	15	90	110			S
Sample ID: C08100853-001E	Sample Matrix Spike Duplicate				Run: SUB-B119574				10/22/08 15:02
Nitrogen, Nitrate+Nitrite as N	0.148	mg/L	0.050	15	90	110	0.7	10	S
Method: E353.2									Batch: B_R119664
Sample ID: MBLK	Method Blank				Run: SUB-B119664				10/23/08 10:45
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B119664				10/23/08 10:46
Nitrogen, Nitrate+Nitrite as N	1.00	mg/L	0.050	102	90	110			
Sample ID: B08101785-001DMS	Sample Matrix Spike				Run: SUB-B119664				10/23/08 12:39
Nitrogen, Nitrate+Nitrite as N	0.971	mg/L	0.050	98	90	110			
Sample ID: B08101785-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-B119664				10/23/08 12:40
Nitrogen, Nitrate+Nitrite as N	0.967	mg/L	0.050	98	90	110	0.4	10	

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QA/QC Summary Report

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Report Date: 11/19/08
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Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R109867
Sample ID: 102408_LCS_38	Laboratory Control Sample				Run: SATURNCA_081024C				10/25/08 08:45
Bromodichloromethane	9.36	ug/L	1.0	94	70	130			
Bromoform	9.68	ug/L	1.0	97	70	130			
Chlorodibromomethane	9.48	ug/L	1.0	95	70	130			
Chloroform	10.4	ug/L	1.0	104	70	130			
Trihalomethanes, Total	38.9	ug/L	1.0	97	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	103	80	120			
Surr: Dibromofluoromethane			1.0	100	80	120			
Surr: p-Bromofluorobenzene			1.0	101	80	120			
Surr: Toluene-d8			1.0	102	80	120			
Sample ID: 102408_MBLK_40	Method Blank				Run: SATURNCA_081024C				10/25/08 10:01
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Trihalomethanes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4			1.0	103	80	120			
Surr: Dibromofluoromethane			1.0	119	80	120			
Surr: p-Bromofluorobenzene			1.0	88	80	120			
Surr: Toluene-d8			1.0	101	80	120			
Sample ID: C08100853-006GMS	Sample Matrix Spike				Run: SATURNCA_081024C				10/25/08 16:20
Bromodichloromethane	86.0	ug/L	5.0	86	70	130			
Bromoform	89.2	ug/L	5.0	89	70	130			
Chlorodibromomethane	86.0	ug/L	5.0	86	70	130			
Chloroform	94.0	ug/L	5.0	94	70	130			
Trihalomethanes, Total	355	ug/L	5.0	89	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	104	80	120			
Surr: Dibromofluoromethane			1.0	87	80	120			
Surr: p-Bromofluorobenzene			1.0	98	80	120			
Surr: Toluene-d8			1.0	98	80	120			
Sample ID: C08100853-006GMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_081024C				10/25/08 16:57
Bromodichloromethane	101	ug/L	5.0	101	70	130	16	20	
Bromoform	97.6	ug/L	5.0	98	70	130	9	20	
Chlorodibromomethane	96.0	ug/L	5.0	96	70	130	11	20	
Chloroform	115	ug/L	5.0	115	70	130	20	20	
Trihalomethanes, Total	409	ug/L	5.0	102	70	130	14	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	112	80	120			
Surr: Dibromofluoromethane			1.0	110	80	120			
Surr: p-Bromofluorobenzene			1.0	99	80	120			
Surr: Toluene-d8			1.0	99	80	120			

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Project: Zone 3

Report Date: 11/19/08
Work Order: C08100853

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R110001
Sample ID: 102708_LCS_3	Laboratory Control Sample				Run: SATURNCA_081027A				10/27/08 10:37
Bromodichloromethane	9.00	ug/L	1.0	90	70	130			
Bromoform	8.96	ug/L	1.0	90	70	130			
Chlorodibromomethane	8.48	ug/L	1.0	85	70	130			
Chloroform	9.92	ug/L	1.0	99	70	130			
Trihalomethanes, Total	36.4	ug/L	1.0	91	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	106	80	120			
Surr: Dibromofluoromethane			1.0	110	80	120			
Surr: p-Bromofluorobenzene			1.0	102	80	120			
Surr: Toluene-d8			1.0	103	80	120			
Sample ID: 102708_MBLK_6	Method Blank				Run: SATURNCA_081027A				10/27/08 12:36
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Trihalomethanes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4			1.0	106	80	120			
Surr: Dibromofluoromethane			1.0	113	80	120			
Surr: p-Bromofluorobenzene			1.0	90	80	120			
Surr: Toluene-d8			1.0	100	80	120			
Sample ID: C08100853-010GMS	Sample Matrix Spike				Run: SATURNCA_081027A				10/27/08 22:43
Bromodichloromethane	94.8	ug/L	5.0	95	70	130			
Bromoform	97.6	ug/L	5.0	98	70	130			
Chlorodibromomethane	94.4	ug/L	5.0	94	70	130			
Chloroform	100	ug/L	5.0	100	70	130			
Trihalomethanes, Total	387	ug/L	5.0	97	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	100	80	120			
Surr: Dibromofluoromethane			1.0	101	80	120			
Surr: p-Bromofluorobenzene			1.0	96	80	120			
Surr: Toluene-d8			1.0	100	80	120			
Sample ID: C08100853-010GMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_081027A				10/27/08 23:21
Bromodichloromethane	103	ug/L	5.0	103	70	130	8.5	20	
Bromoform	92.4	ug/L	5.0	92	70	130	5.5	20	
Chlorodibromomethane	94.8	ug/L	5.0	95	70	130	0.4	20	
Chloroform	104	ug/L	5.0	104	70	130	3.5	20	
Trihalomethanes, Total	394	ug/L	5.0	99	70	130	1.8	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	104	80	120			
Surr: Dibromofluoromethane			1.0	98	80	120			
Surr: p-Bromofluorobenzene			1.0	100	80	120			
Surr: Toluene-d8			1.0	101	80	120			

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 11/19/08
Work Order: C08100853

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1									Batch: GA-0181
Sample ID: MB-GA-0181	Method Blank				Run: G5000W_081028A				10/30/08 16:48
Gross Alpha minus Rn & U	0.6	pCi/L							
Sample ID: LCS-GA-0181	Laboratory Control Sample				Run: G5000W_081028A				10/30/08 16:48
Gross Alpha minus Rn & U	24.9	pCi/L		92	70	130			
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: G5000W_081028A				10/30/08 18:30
Gross Alpha minus Rn & U	28.2	pCi/L		99	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: G5000W_081028A				10/30/08 18:30
Gross Alpha minus Rn & U	26.3	pCi/L		92	70	130	6.9	23.9	
Method: E900.1									Batch: GA-0188
Sample ID: MB-GA-0188	Method Blank				Run: G5000W_081114B				11/17/08 09:18
Gross Alpha minus Rn & U	1	pCi/L							
Sample ID: LCS-GA-0188	Laboratory Control Sample				Run: G5000W_081114B				11/17/08 09:18
Gross Alpha minus Rn & U	29.0	pCi/L		106	70	130			
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: G5000W_081114B				11/17/08 09:18
Gross Alpha minus Rn & U	28.2	pCi/L		102	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: G5000W_081114B				11/17/08 09:18
Gross Alpha minus Rn & U	29.9	pCi/L		108	70	130	5.9	22.6	
Method: E903.0									Batch: RA226-3194
Sample ID: C08100853-001FMS	Sample Matrix Spike				Run: BERTHOLD 770_081027C				11/11/08 00:34
Radium 226	39	pCi/L		118	70	130			
Sample ID: C08100853-001FMSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_081027C				11/11/08 00:34
Radium 226	34	pCi/L		100	70	130	13	22.9	
Sample ID: MB-RA226-3194	Method Blank				Run: BERTHOLD 770_081027C				11/11/08 02:26
Radium 226	-0.2	pCi/L							U
Sample ID: LCS-RA226-3194	Laboratory Control Sample				Run: BERTHOLD 770_081027C				11/11/08 02:26
Radium 226	8.8	pCi/L		114	70	130			

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 11/19/08
Work Order: C08100853

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: RA-TH-ISO-0669
Sample ID: LCS-RA-TH-ISO-0669	Laboratory Control Sample				Run: EGG-ORTEC_081023A				10/30/08 15:52
Thorium 230	10.2	pCi/L	0.20	90	70	130			
Sample ID: C08100852-001FMS	Sample Matrix Spike				Run: EGG-ORTEC_081023A				10/30/08 15:52
Thorium 230	47.2	pCi/L	0.20	97	70	130			
Sample ID: C08100852-001FMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_081023A				10/30/08 15:52
Thorium 230	39.3	pCi/L	0.20	81	70	130	18	38.4	
Sample ID: MB-RA-TH-ISO-0669	Method Blank				Run: EGG-ORTEC_081023A				10/31/08 12:20
Thorium 230	-0.07	pCi/L							U
Method: E909.0M									Batch: R110658
Sample ID: C08100853-002FMS	Sample Matrix Spike				Run: PACKARD 3100TR_081029A				10/29/08 10:30
Lead 210	100	pCi/L		86	70	130			
Sample ID: C08100853-007FDUP	Sample Duplicate				Run: PACKARD 3100TR_081029A				10/29/08 10:30
Lead 210	5.8	pCi/L					25	30	U
Sample ID: MB-R110658	Method Blank				Run: PACKARD 3100TR_081029A				10/29/08 10:30
Lead 210	0.2	pCi/L							U
Sample ID: LCS-R110658	Laboratory Control Sample				Run: PACKARD 3100TR_081029A				10/29/08 10:30
Lead 210	55	pCi/L		94	70	130			
Method: RA-05									Batch: RA228-2370
Sample ID: LCS-228-RA226-3194	Laboratory Control Sample				Run: TENNELEC-3_081027F				11/04/08 16:22
Radium 228	8.3	pCi/L		94	70	130			
Sample ID: MB-RA226-3194	Method Blank				Run: TENNELEC-3_081027F				11/04/08 16:22
Radium 228	-0.5	pCi/L							U
Sample ID: C08100853-010FMS	Sample Matrix Spike				Run: TENNELEC-3_081027F				11/04/08 16:22
Radium 228	36	pCi/L		93	70	130			
Sample ID: C08100853-010FMSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_081027F				11/04/08 16:22
Radium 228	36	pCi/L		94	70	130	1.3	31.7	

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ANALYTICAL SUMMARY REPORT

December 03, 2008

United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C08101336 Quote ID: C129 - Quarterly Long List

Project Name: Zone 3

Energy Laboratories, Inc. received the following 1 sample for United Nuclear Corp on 10/31/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08101336-001	PB-3	10/30/08 11:05	10/31/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity QA Calculations Chloride Arsenic Speciation Selenium-IV, Total Sample Filtering Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

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

Report Approved By: STEVE CARLSTON

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CLIENT: United Nuclear Corp
Project: Zone 3
Sample Delivery Group: C08101336

Date: 03-Dec-08

CASE NARRATIVE

PB210 ANALYSIS
The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis.

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

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.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

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.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
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

CERTFICATIONS:
USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

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

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 12/02/08
Work Order: C08101336

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: R110368
Sample ID: MBLK	Method Blank				Run: MANTECH_081104A				11/04/08 22:41
Alkalinity, Total as CaCO3	ND	mg/L	0.2						
Bicarbonate as HCO3	ND	mg/L	1						
Sample ID: LCS	Laboratory Control Sample				Run: MANTECH_081104A				11/04/08 22:49
Alkalinity, Total as CaCO3	202	mg/L	1.0	101	90	110			
Sample ID: C08101339-002AMS	Sample Matrix Spike				Run: MANTECH_081104A				11/05/08 01:09
Alkalinity, Total as CaCO3	219	mg/L	1.0	100	80	120			
Sample ID: C08101339-002AMSD	Sample Matrix Spike Duplicate				Run: MANTECH_081104A				11/05/08 01:16
Alkalinity, Total as CaCO3	218	mg/L	1.0	99	80	120	0.8	20	
Method: A2540 C									Batch: 081030_1_SLDS-TDS-W
Sample ID: LCS1_081030	Laboratory Control Sample				Run: BAL-1_081103B				11/03/08 08:53
Solids, Total Dissolved TDS @ 180 C	1010	mg/L	10	100	90	110			
Sample ID: MBLK1_081030	Method Blank				Run: BAL-1_081103B				11/03/08 08:53
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: C08101334-004AMS	Sample Matrix Spike				Run: BAL-1_081103B				11/03/08 09:04
Solids, Total Dissolved TDS @ 180 C	2330	mg/L	10	102	90	110			
Sample ID: C08101334-004AMSD	Sample Matrix Spike Duplicate				Run: BAL-1_081103B				11/03/08 09:04
Solids, Total Dissolved TDS @ 180 C	2310	mg/L	10	101	90	110	0.8	10	
Method: A3114 B									Batch: SE3114-081120B
Sample ID: MBLK	Method Blank				Run: CVAA-C202_081120B				11/20/08 11:08
Selenium-IV	ND	mg/L	0.0003						
Sample ID: 288-174-1	Laboratory Control Sample				Run: CVAA-C202_081120B				11/20/08 11:11
Selenium-IV	0.0527	mg/L	0.0010	105	90	110			
Sample ID: C08110698-001AMS	Sample Matrix Spike				Run: CVAA-C202_081120B				11/20/08 11:24
Selenium-IV	0.0554	mg/L	0.0010	100	85	115			
Sample ID: C08110698-001AMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_081120B				11/20/08 11:27
Selenium-IV	0.0563	mg/L	0.0010	102	85	115	1.6	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 12/02/08
Work Order: C08101336

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-Cl B									Batch: 081106A-CL-TTR-W
Sample ID: MBLK9-081106A	Method Blank				Run: TITRATION_081106B				11/06/08 11:20
Chloride	ND	mg/L	0.4						
Sample ID: C08101345-001AMS	Sample Matrix Spike				Run: TITRATION_081106B				11/06/08 13:30
Chloride	37.7	mg/L	1.0	106	90	110			
Sample ID: C08101345-001AMSD	Sample Matrix Spike Duplicate				Run: TITRATION_081106B				11/06/08 13:30
Chloride	37.0	mg/L	1.0	104	90	110	1.9	10	
Sample ID: LCS35-081106A	Laboratory Control Sample				Run: TITRATION_081106B				11/06/08 13:32
Chloride	3520	mg/L	1.0	99	90	110			
Method: A4500-H B									Analytical Run: ORION555A_081103B
Sample ID: ICV1_081103_2	Initial Calibration Verification Standard								11/03/08 13:04
pH	6.89	s.u.	0.010	100	98	102			
Method: A4500-H B									Batch: 081103_2_PH-W_555A-1
Sample ID: C08110012-001ADUP	Sample Duplicate				Run: ORION555A_081103B				11/03/08 13:39
pH	7.15	s.u.	0.010				0.1	10	
Method: A4500-SO4 E									Batch: 081106_1_SO4-TURB-W
Sample ID: LCS-1_081106	Laboratory Control Sample				Run: TURB-2_081106A				11/06/08 15:34
Sulfate	4980	mg/L	59	104	90	110			
Sample ID: MBLK-1_081106	Method Blank				Run: TURB-2_081106A				11/06/08 15:34
Sulfate	ND	mg/L	0.6						
Sample ID: C08101334-010AMS	Sample Matrix Spike				Run: TURB-2_081106A				11/06/08 16:16
Sulfate	4130	mg/L	59	109	90	110			
Sample ID: C08101334-010AMSD	Sample Matrix Spike Duplicate				Run: TURB-2_081106A				11/06/08 16:16
Sulfate	3960	mg/L	59	100	90	110	4.2	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 12/02/08
Work Order: C08101336

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E1632AM									Batch: H_R49958
Sample ID: MBLK_13r	Method Blank				Run: SUB-H49958				11/12/08 11:15
Arsenic-III	ND	ug/L	0.3						
Sample ID: AS081112-LCS	Laboratory Control Sample				Run: SUB-H49958				11/12/08 11:24
Arsenic-III	54.2	ug/L	5.0	108	90	110			
Sample ID: H08110088-009C DUP	Sample Duplicate				Run: SUB-H49958				11/12/08 12:22
Arsenic-III	57	ug/L	5.0				0.9	20	
Sample ID: H08110092-005C MS	Sample Matrix Spike				Run: SUB-H49958				11/12/08 14:48
Arsenic-III	58	ug/L	5.0	116	80	120			
Sample ID: H08110092-005C MSD	Sample Matrix Spike Duplicate				Run: SUB-H49958				11/12/08 14:56
Arsenic-III	59	ug/L	5.0	118	80	120	1.8	20	
Method: E200.7									Batch: R111035
Sample ID: MB-081117A	Method Blank				Run: ICP2-C_081117A				11/17/08 15:10
Calcium	ND	mg/L	0.1						
Magnesium	ND	mg/L	0.04						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Sample ID: LFB-081117A	Laboratory Fortified Blank				Run: ICP2-C_081117A				11/17/08 15:14
Calcium	51.2	mg/L	0.50	102	85	125			
Magnesium	50.6	mg/L	0.50	101	85	125			
Potassium	47.5	mg/L	0.50	95	85	125			
Sodium	51.1	mg/L	0.77	102	85	125			
Sample ID: C08101334-010BMS2	Sample Matrix Spike				Run: ICP2-C_081117A				11/17/08 16:31
Calcium	701	mg/L	1.0	109	70	130			
Magnesium	528	mg/L	1.0	109	70	130			
Potassium	277	mg/L	1.0	101	70	130			
Sodium	459	mg/L	3.9	108	70	130			
Sample ID: C08101334-010BMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_081117A				11/17/08 16:35
Calcium	696	mg/L	1.0	107	70	130	0.7	20	
Magnesium	523	mg/L	1.0	107	70	130	1	20	
Potassium	265	mg/L	1.0	96	70	130	4.3	20	
Sodium	458	mg/L	3.9	107	70	130	0.1	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 12/02/08
Work Order: C08101336

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R110981
Sample ID: C08110108-001EMS4	Sample Matrix Spike				Run: ICPMS4-C_081114A				11/14/08 16:58
Aluminum	0.0603	mg/L	0.10	109	70	130			
Beryllium	0.0542	mg/L	0.010	108	70	130			
Cadmium	0.0531	mg/L	0.010	106	70	130			
Cobalt	0.0521	mg/L	0.010	104	70	130			
Lead	0.0523	mg/L	0.050	105	70	130			
Manganese	0.0528	mg/L	0.010	104	70	130			
Molybdenum	0.0506	mg/L	0.10	100	70	130			
Nickel	0.0514	mg/L	0.050	103	70	130			
Uranium	0.0541	mg/L	0.00030	108	70	130			
Vanadium	0.0498	mg/L	0.10	100	70	130			
Sample ID: C08110108-001EMSD4	Sample Matrix Spike Duplicate				Run: ICPMS4-C_081114A				11/14/08 17:05
Aluminum	0.0602	mg/L	0.10	109	70	130	0	20	
Beryllium	0.0540	mg/L	0.010	108	70	130	0.3	20	
Cadmium	0.0534	mg/L	0.010	107	70	130	0.6	20	
Cobalt	0.0525	mg/L	0.010	105	70	130	0.8	20	
Lead	0.0530	mg/L	0.050	106	70	130	1.2	20	
Manganese	0.0535	mg/L	0.010	106	70	130	1.4	20	
Molybdenum	0.0514	mg/L	0.10	102	70	130	0	20	
Nickel	0.0517	mg/L	0.050	103	70	130	0.6	20	
Uranium	0.0544	mg/L	0.00030	109	70	130	0.4	20	
Vanadium	0.0498	mg/L	0.10	100	70	130	0	20	
Sample ID: LRB	Method Blank				Run: ICPMS4-C_081114A				11/14/08 21:46
Aluminum	ND	mg/L	0.0001						
Beryllium	ND	mg/L	4E-06						
Cadmium	3E-06	mg/L	3E-06						
Cobalt	3E-05	mg/L	5E-06						
Lead	6E-06	mg/L	3E-06						
Manganese	3E-05	mg/L	6E-06						
Molybdenum	ND	mg/L	9E-06						
Nickel	3E-05	mg/L	3E-05						
Uranium	ND	mg/L	2E-06						
Vanadium	ND	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS4-C_081114A				11/14/08 21:53
Aluminum	0.0512	mg/L	0.0010	102	85	115			
Beryllium	0.0506	mg/L	0.0010	101	85	115			
Cadmium	0.0470	mg/L	0.0010	94	85	115			
Cobalt	0.0478	mg/L	0.0010	96	85	115			
Lead	0.0469	mg/L	0.0010	94	85	115			
Manganese	0.0479	mg/L	0.0010	96	85	115			
Molybdenum	0.0467	mg/L	0.0010	93	85	115			
Nickel	0.0496	mg/L	0.0010	99	85	115			

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 12/02/08
Work Order: C08101336

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R110981
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS4-C_081114A				11/14/08 21:53
Uranium	0.0467	mg/L	0.00030	93	85	115			
Vanadium	0.0497	mg/L	0.0010	99	85	115			
Method: E350.1									Analytical Run: SUB-B120313
Sample ID: ICV	Initial Calibration Verification Standard								11/05/08 11:04
Nitrogen, Ammonia as N	5.76	mg/L	0.11	105	90	110			
Method: E350.1									Batch: B_R120313
Sample ID: MBLK	Method Blank				Run: SUB-B120313				11/05/08 11:05
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B120313				11/05/08 11:06
Nitrogen, Ammonia as N	1.05	mg/L	0.10	107	90	110			
Sample ID: B08110300-002CMS	Sample Matrix Spike				Run: SUB-B120313				11/05/08 12:28
Nitrogen, Ammonia as N	0.972	mg/L	0.10	99	90	110			
Sample ID: B08110300-002CMSD	Sample Matrix Spike Duplicate				Run: SUB-B120313				11/05/08 12:29
Nitrogen, Ammonia as N	0.989	mg/L	0.10	101	90	110	1.8	10	
Method: E353.2									Analytical Run: SUB-B120314
Sample ID: ICV	Initial Calibration Verification Standard								11/05/08 11:39
Nitrogen, Nitrate+Nitrite as N	36.1	mg/L	0.050	102	90	110			
Method: E353.2									Batch: B_R120314
Sample ID: MBLK	Method Blank				Run: SUB-B120314				11/05/08 11:40
Nitrogen, Nitrate+Nitrite as N	0.003	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B120314				11/05/08 11:41
Nitrogen, Nitrate+Nitrite as N	0.967	mg/L	0.050	98	90	110			
Sample ID: B08110110-002AMS	Sample Matrix Spike				Run: SUB-B120314				11/05/08 11:47
Nitrogen, Nitrate+Nitrite as N	0.962	mg/L	0.050	97	90	110			
Sample ID: B08110110-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-B120314				11/05/08 11:49
Nitrogen, Nitrate+Nitrite as N	0.958	mg/L	0.050	97	90	110	0.4	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 12/02/08
Work Order: C08101336

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R110706
Sample ID: 110708_LCS_3	Laboratory Control Sample				Run: SATURNCA_081107A				11/07/08 11:56
Bromodichloromethane	8.24	ug/L	1.0	82	70	130			
Bromoform	9.60	ug/L	1.0	96	70	130			
Chlorodibromomethane	9.80	ug/L	1.0	98	70	130			
Chloroform	9.88	ug/L	1.0	99	70	130			
Trihalomethanes, Total	37.5	ug/L	1.0	94	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	100	80	120			
Surr: Dibromofluoromethane			1.0	103	80	120			
Surr: p-Bromofluorobenzene			1.0	107	80	120			
Surr: Toluene-d8			1.0	93	80	120			
Sample ID: 110708_MBLK_6	Method Blank				Run: SATURNCA_081107A				11/07/08 13:49
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Trihalomethanes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4			1.0	107	80	120			
Surr: Dibromofluoromethane			1.0	128	80	120			S
Surr: p-Bromofluorobenzene			1.0	100	80	120			
Surr: Toluene-d8			1.0	91	80	120			
Sample ID: C08110167-001EMS	Sample Matrix Spike				Run: SATURNCA_081107A				11/07/08 18:38
Bromodichloromethane	171	ug/L	20	86	70	130			
Bromoform	190	ug/L	20	95	70	130			
Chlorodibromomethane	190	ug/L	20	95	70	130			
Chloroform	196	ug/L	20	98	70	130			
Trihalomethanes, Total	748	ug/L	20	94	70	130			
Surr: 1,2-Dichlorobenzene-d4			20	92	80	120			
Surr: Dibromofluoromethane			20	106	80	120			
Surr: p-Bromofluorobenzene			20	103	80	120			
Surr: Toluene-d8			20	94	80	120			
Sample ID: C08110167-001EMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_081107A				11/07/08 19:16
Bromodichloromethane	168	ug/L	20	84	70	130	1.9	20	
Bromoform	194	ug/L	20	97	70	130	2.1	20	
Chlorodibromomethane	197	ug/L	20	98	70	130	3.3	20	
Chloroform	179	ug/L	20	90	70	130	9	20	
Trihalomethanes, Total	738	ug/L	20	92	70	130	1.3	20	
Surr: 1,2-Dichlorobenzene-d4			20	98	80	120			
Surr: Dibromofluoromethane			20	98	80	120			
Surr: p-Bromofluorobenzene			20	103	80	120			
Surr: Toluene-d8			20	95	80	120			

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S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 12/02/08
Work Order: C08101336

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1									Batch: GA-0186
Sample ID: MB-GA-0186	Method Blank				Run: BERTHOLD 770_081106A				11/08/08 09:27
Gross Alpha minus Rn & U	0.5	pCi/L							U
Sample ID: LCS-GA-0186	Laboratory Control Sample				Run: BERTHOLD 770_081106A				11/08/08 09:27
Gross Alpha minus Rn & U	25.7	pCi/L		96	70	130			
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770_081106A				11/08/08 11:02
Gross Alpha minus Rn & U	22.8	pCi/L		84	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_081106A				11/08/08 11:02
Gross Alpha minus Rn & U	22.2	pCi/L		82	70	130	2.4	28.5	
Method: E903.0									Batch: RA226-3224
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770-2_081106A				11/19/08 12:00
Radium 226	9.4	pCi/L		118	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770-2_081106A				11/19/08 12:00
Radium 226	9.3	pCi/L		116	70	130	1.1	25.1	
Sample ID: MB-RA226-3224	Method Blank				Run: BERTHOLD 770-2_081106A				11/19/08 12:00
Radium 226	-0.1	pCi/L							U
Sample ID: LCS-RA226-3224	Laboratory Control Sample				Run: BERTHOLD 770-2_081106A				11/19/08 12:00
Radium 226	9.5	pCi/L		122	70	130			
Method: E907.0									Batch: RA-TH-ISO-0684
Sample ID: LCS-RA-TH-ISO-0684	Laboratory Control Sample				Run: EGG-ORTEC_081110B				11/15/08 12:14
Thorium 230	6.8	pCi/L	0.20	112	70	130			
Sample ID: C08101019-002CMS	Sample Matrix Spike				Run: EGG-ORTEC_081110B				11/15/08 12:14
Thorium 230	25	pCi/L	0.20	102	70	130			
Sample ID: C08101019-002CMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_081110B				11/15/08 12:14
Thorium 230	21	pCi/L	0.20	87	70	130	17	39.1	
Sample ID: MB-RA-TH-ISO-0684	Method Blank				Run: EGG-ORTEC_081110B				11/16/08 13:28
Thorium 230	0.006	pCi/L							U

Qualifiers:

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U - Not detected at minimum detectable concentration
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 12/02/08
Work Order: C08101336

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: R111389
Sample ID: C08071339-001DMS	Sample Matrix Spike				Run: PACKARD 3100TR_081117A				11/17/08 06:43
Lead 210	120	pCi/L		105	70	130			
Sample ID: C08071339-005DDUP	Sample Duplicate				Run: PACKARD 3100TR_081117A				11/17/08 06:43
Lead 210	-0.10	pCi/L					220	30	UR
- The Sample and the Duplicate are both below the MDC; the RPD is acceptable.									
Sample ID: MB-R111389	Method Blank				Run: PACKARD 3100TR_081117A				11/17/08 06:43
Lead 210	-0.2	pCi/L							U
Sample ID: LCS-R111389	Laboratory Control Sample				Run: PACKARD 3100TR_081117A				11/17/08 06:43
Lead 210	53	pCi/L		92	70	130			
Method: RA-05									Batch: RA228-2387
Sample ID: LCS-228-RA226-3224	Laboratory Control Sample				Run: TENNELEC-3_081106A				11/12/08 16:19
Radium 228	7.67	pCi/L		83	70	130			
Sample ID: MB-RA226-3224	Method Blank				Run: TENNELEC-3_081106A				11/12/08 16:19
Radium 228	-0.08	pCi/L							U
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_081106A				11/12/08 16:19
Radium 228	9.12	pCi/L		96	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_081106A				11/12/08 16:19
Radium 228	8.80	pCi/L		92	70	130	3.5	32.9	

Qualifiers:

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R - RPD exceeds advisory limit.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration