SEMI – ANNUAL QUALITY ASSURANCE

CHURCH ROCK SITE

JANUARY AND APRIL OF 2008 SAMPLING EVENTS

AUGUST - 2008

TABLE OF CONTENTS

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 (1^{st} and 2^{nd}) 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.

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	4.01	4-7-08/0850	[illegible]
7-Buffer	7.13	4-7-08/0843	[illegible]

GROUND WATER MONITORING FIELD DATA SHEET

2nd QUARTER 2008
SAMPLING

Cond. Standard Verification Check

STD.	µS/cm Reading	Date/Time	Initial
1413 µS/cm	1437	4-7-08/0852	[illegible]

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-7-08	509-D	76.40'	76.45'	1st Cond. 4,720	2nd Cond. 5,360	Stable Cond. 5,680	Ending Cond. 5,820
	Time	Bubbler Start	Bubbler End	1st pH 6.51	2nd pH 6.49	Stable pH 6.47	Ending pH 6.37
	0915	4.022'	4.018'	1st Temp. 11.4	2nd Temp. 11.5	Stable Temp. 11.7	Ending Temp. 12.2
				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
4-7-08	EPA-23	52.80'	53.15'	1st Cond. 2,770	2nd Cond. 3,430	Stable Cond. 4,560	Ending Cond. 4,320
	Time	Bubbler Start	Bubbler End	1st pH 7.01	2nd pH 6.94	Stable pH 6.65	Ending pH 6.56
	0955	9.100'	8.853'	1st Temp. 11.8	2nd Temp. 11.7	Stable Temp. 11.7	Ending Temp. 12.8
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-7-08	803	60.25'	60.30'	1st Cond. 2,490	2nd Cond. 5,570	Stable Cond. 5,940	Ending Cond. 6,260
	Time	Bubbler Start	Bubbler End	1st pH 6.42	2nd pH 6.40	Stable pH 6.40	Ending pH 6.38
	1030	16.500'	16.398'	1st Temp. 12.9	2nd Temp. 12.7	Stable Temp. 12.6	Ending Temp. 12.9
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-7-08	808	47.70'	47.85'	1st Cond. 3,880	2nd Cond. 5,250	Stable Cond. 5,860	Ending Cond. 6,190
	Time	Bubbler Start	Bubbler End	1st pH 6.80	2nd pH 6.64	Stable pH 6.55	Ending pH 6.43
	1110	15.926'	15.789'	1st Temp. 13.0	2nd Temp. 12.9	Stable Temp. 12.8	Ending Temp. 13.2
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-7-08	802	46.15'	46.25'	1st Cond. 4,930	2nd Cond. 6,020	Stable Cond. 6,850	Ending Cond. 7,260
	Time	Bubbler Start	Bubbler End	1st pH 6.93	2nd pH 6.69	Stable pH 6.53	Ending pH 6.41
	1205	21.480'	21.451'	1st Temp. 13.4	2nd Temp. 13.3	Stable Temp. 13.1	Ending Temp. 13.4
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-7-08	801	49.85'	150.60'	1st Cond. 2,580	2nd Cond. 4,840	Stable Cond. 5,570	Ending Cond. 6,030
	Time	Bubbler Start	Bubbler End	1st pH 6.56	2nd pH 5.08	Stable pH 6.40	Ending pH 6.40
	1350	11.835'	11.137'	1st Temp. 14.3	2nd Temp. 17.0	Stable Temp. 13.3	Ending Temp. 12.6
				Comments:			

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer	4.05	4-8-08/0817	[illegible]
7-Buffer	7.03	4-8-08/0814	[illegible]

GROUND WATER MONITORING FIELD DATA SHEET

2nd QUARTER 2008
SAMPLING

Cond. Standard Verification Check

STD.	µS/cm Reading	Date/Time	Initial
1413 µS/cm	1459	4-8-08/0819	[illegible]

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-7-08	GW-2	54.35'	55.05'	1st Cond. 5,340	2nd Cond. 5,880	Stable Cond. 6,460	Ending Cond. 7,250
	Time	Bubbler Start	Bubbler End	1st pH 6.35	2nd pH 6.34	Stable pH 6.32	Ending pH 6.28
	1445	16.438'	15.770'	1st Temp. 12.4	2nd Temp. 11.4	Stable Temp. 10.7	Ending Temp. 11.7
				Comments: Will need to check the bladder pump condition due to a slow sample flow discharge.			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-7-08	GW-1	60.15'	60.15'	1st Cond. 4,810	2nd Cond. 5,380	Stable Cond. 6,050	Ending Cond. 6,430
	Time	Bubbler Start	Bubbler End	1st pH 7.01	2nd pH 6.82	Stable pH 6.70	Ending pH 6.61
	1530	10.570'	10.543'	1st Temp. 13.5	2nd Temp. 13.3	Stable Temp. 13.3	Ending Temp. 13.0
				Comments:			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-7-08	632	43.00'	43.25'	1st Cond. 4,790	2nd Cond. 5,910	Stable Cond. 6,500	Ending Cond. 6,860
	Time	Bubbler Start	Bubbler End	1st pH 6.63	2nd pH 6.52	Stable pH 6.44	Ending pH 6.32
	1610	13.958'	13.575'	1st Temp. 12.8	2nd Temp. 12.8	Stable Temp. 12.7	Ending Temp. 13.0
				Comments:			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-8-08	624	49.45'	49.50'	1st Cond. 4,070	2nd Cond. 4,580	Stable Cond. 4,770	Ending Cond. 5,100
	Time	Bubbler Start	Bubbler End	1st pH 6.65	2nd pH 6.61	Stable pH 6.58	Ending pH 6.47
	0840	13.081'	13.065'	1st Temp. 10.4	2nd Temp. 10.4	Stable Temp. 10.6	Ending Temp. 11.8
				Comments:			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-8-08	SBL-1	50.10'	50.70'	1st Cond. 6,230	2nd Cond. 7,100	Stable Cond. 7,510	Ending Cond. 7,100
	Time	Bubbler Start	Bubbler End	1st pH 7.57	2nd pH 7.33	Stable pH 6.95	Ending pH 6.56
	0920	9.686'	9.061'	1st Temp. 11.2	2nd Temp. 11.3	Stable Temp. 11.3	Ending Temp. 11.5
				Comments:			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-8-08	EPA-28	61.70'	61.90'	1st Cond. 3,900	2nd Cond. 4,500	Stable Cond. 4,720	Ending Cond. 4,760
	Time	Bubbler Start	Bubbler End	1st pH 6.94	2nd pH 6.85	Stable pH 6.79	Ending pH 6.65
	1000	8.683'	8.529'	1st Temp. 12.2	2nd Temp. 12.1	Stable Temp. 12.1	Ending Temp. 13.7
				Comments:			

PH Standard Verification Check

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

GROUND WATER MONITORING FIELD DATA SHEET

2nd 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
4-8-08	EPA-28 DUPLICATE	61.90'	61.90'	1st Cond. 4,790	2nd Cond. 4,790	Stable Cond. 4,780	Ending Cond. 4,760
	Time	Bubbler Start	Bubbler End	1st pH 6.65	2nd pH 6.65	Stable pH 6.65	Ending pH 6.69
	1035	8.529'	8.537'	1st Temp. 12.8	2nd Temp. 12.7	Stable Temp. 12.6	Ending Temp. 12.8
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-8-08	613	78.95'	79.85'	1st Cond. 8,990	2nd Cond. 9,060	Stable Cond. 9,240	Ending Cond. 9,430
	Time	Bubbler Start	Bubbler End	1st pH 3.03	2nd pH 3.02	Stable pH 2.99	Ending pH 2.84
	1115	5.782'	5.026'	1st Temp. 12.2	2nd Temp. 12.0	Stable Temp. 12.0	Ending Temp. 12.7
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-8-08	GW-3	51.45'	52.15'	1st Cond. 2,490	2nd Cond. 4,220	Stable Cond. 4,680	Ending Cond. 5,080
	Time	Bubbler Start	Bubbler End	1st pH 6.85	2nd pH 6.75	Stable pH 6.58	Ending pH 6.56
	1255	4.173'	3.474'	1st Temp. 12.8	2nd Temp. 12.8	Stable Temp. 12.7	Ending Temp. 12.6
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-8-08	EPA-25	52.10'	52.25'	1st Cond. 3,530	2nd Cond. 3,840	Stable Cond. 4,040	Ending Cond. 4,200
	Time	Bubbler Start	Bubbler End	1st pH 7.01	2nd pH 6.93	Stable pH 6.89	Ending pH 6.78
	1345	8.706'	8.637'	1st Temp. 13.5	2nd Temp. 13.2	Stable Temp. 13.0	Ending Temp. 13.1
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-8-08	627	57.50'	57.60'	1st Cond. 2,490	2nd Cond. 4,490	Stable Cond. 4,590	Ending Cond. 4,650
	Time	Bubbler Start	Bubbler End	1st pH 7.26	2nd pH 7.18	Stable pH 7.10	Ending pH 6.94
	1435	5.038'	4.998'	1st Temp. 14.4	2nd Temp. 14.3	Stable Temp. 14.1	Ending Temp. 14.1
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-9-08	614	102.30'	103.03'	1st Cond. 4,110	2nd Cond. 7,500	Stable Cond. 7,480	Ending Cond. 7,400
	Time	Bubbler Start	Bubbler End	1st pH 6.90	2nd pH 6.83	Stable pH 6.76	Ending pH 6.65
	0830	4.139'	3.410'	1st Temp. 9.5	2nd Temp. 9.9	Stable Temp. 9.7	Ending Temp. 9.7
				Comments:			

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer	4.03	4-9-08/0800	rc
7-Buffer	7.05	4-9-08/0755	rc

GROUND WATER MONITORING FIELD DATA SHEET

2nd QUARTER 2008 SAMPLING

Cond. Standard Verification Check

STD.	µS/cm Reading	Date/Time	Initial
1413 µS/cm	1442	4-9-08/0805	rc

Date	Well Number	Time	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Bubbler Start	Bubbler End
4-9-08	604	0935	101.25'	101.80'	8.304'	7.767

Reading		Reading		Reading		Reading	
1st Cond.	6,690	2nd Cond.	6,610	Stable Cond.	6,600	Ending Cond.	6,570
1st pH	6.97	2nd pH	6.73	Stable pH	6.49	Ending pH	5.18
1st Temp.	8.4	2nd Temp.	8.1	Stable Temp.	8.7	Ending Temp.	10.2

Comments:

Date	Well Number	Time	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Bubbler Start	Bubbler End
4-9-08	515-A	1015	102.25'	107.00'	7.130'	1.712'

Reading		Reading		Reading		Reading	
1st Cond.	3,020	2nd Cond.	7,180	Stable Cond.	7,370	Ending Cond.	7,600
1st pH	5.82	2nd pH	5.95	Stable pH	6.06	Ending pH	5.64
1st Temp.	12.2	2nd Temp.	9.8	Stable Temp.	9.1	Ending Temp.	10.9

Comments:

Date	Well Number	Time	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Bubbler Start	Bubbler End
4-9-08	FIELD BLANK	1140				

Reading		Reading		Reading		Reading	
1st Cond.	33	2nd Cond.		Stable Cond.		Ending Cond.	
1st pH	7.60	2nd pH		Stable pH		Ending pH	
1st Temp.	11.8	2nd Temp.		Stable Temp.		Ending Temp.	

Comments:

Date	Well Number	Time	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Bubbler Start	Bubbler End

Reading		Reading		Reading		Reading	
1st Cond.		2nd Cond.		Stable Cond.		Ending Cond.	
1st pH		2nd pH		Stable pH		Ending pH	
1st Temp.		2nd Temp.		Stable Temp.		Ending Temp.	

Comments:

Date	Well Number	Time	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Bubbler Start	Bubbler End

Reading		Reading		Reading		Reading	
1st Cond.		2nd Cond.		Stable Cond.		Ending Cond.	
1st pH		2nd pH		Stable pH		Ending pH	
1st Temp.		2nd Temp.		Stable Temp.		Ending Temp.	

Comments:

Date	Well Number	Time	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Bubbler Start	Bubbler End

Reading		Reading		Reading		Reading	
1st Cond.		2nd Cond.		Stable Cond.		Ending Cond.	
1st pH		2nd pH		Stable pH		Ending pH	
1st Temp.		2nd Temp.		Stable Temp.		Ending Temp.	

Comments:

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer	4.07	4-14-08/0850	[illegible]
7-Buffer	7.06	4-14-08/0845	[illegible]

GROUND WATER MONITORING FIELD DATA SHEET

2nd QUARTER 2008 SAMPLING

Cond. Standard Verification Check

STD. µS/cm	Reading	Date/Time	Initial
1413 µS/cm	1468	4-14-08/0852	[illegible]

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-14-08	EPA-5	123.85'	124.35'	1st Cond. 3,230	2nd Cond. 4,080	Stable Cond. 4,240	Ending Cond. 4,280
	Time	Bubbler Start	Bubbler End	1st pH 5.65	2nd pH 5.65	Stable pH 5.66	Ending pH 5.72
	0920	7.010'	6.528'	1st Temp. 12.8	2nd Temp. 12.8	Stable Temp. 12.8	Ending Temp. 13.8
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-14-08	EPA-7	113.65'	114.80'	1st Cond. 6,290	2nd Cond. 6,530	Stable Cond. 6,700	Ending Cond. 6,910
	Time	Bubbler Start	Bubbler End	1st pH 5.80	2nd pH 5.80	Stable pH 5.80	Ending pH 5.81
	1005	13.427'	12.831'	1st Temp. 13.8	2nd Temp. 13.8	Stable Temp. 13.5	Ending Temp. 14.5
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-14-08	EPA-2	172.40'	173.15'	1st Cond. 2,340	2nd Cond. 2,530	Stable Cond. 2,650	Ending Cond. 2,720
	Time	Bubbler Start	Bubbler End	1st pH 6.68	2nd pH 6.69	Stable pH 6.68	Ending pH 6.53
	1115	9.135'	8.514'	1st Temp. 14.1	2nd Temp. 14.1	Stable Temp. 13.6	Ending Temp. 13.3
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-14-08	EPA-2 DUPLICATE	173.15'	173.10'	1st Cond. 2,720	2nd Cond. 2,730	Stable Cond. 2,730	Ending Cond. 2,730
	Time	Bubbler Start	Bubbler End	1st pH 6.52	2nd pH 6.52	Stable pH 6.52	Ending pH 6.48
	1145	8.514'	8.398'	1st Temp. 13.3	2nd Temp. 13.3	Stable Temp. 13.3	Ending Temp. 13.9
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-14-08	EPA-4	205.30'	205.85'	1st Cond. 3,590	2nd Cond. 3,640	Stable Cond. 3,750	Ending Cond. 3,750
	Time	Bubbler Start	Bubbler End	1st pH 6.34	2nd pH 6.34	Stable pH 6.33	Ending pH 6.33
	1335	17.559'	17.210'	1st Temp. 16.1	2nd Temp. 15.3	Stable Temp. 14.9	Ending Temp. 14.9
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-14-08	711	181.10'	181.90'	1st Cond. 4,180	2nd Cond. 4,360	Stable Cond. 4,430	Ending Cond. 4,230
	Time	Bubbler Start	Bubbler End	1st pH 2.89	2nd pH 2.88	Stable pH 2.88	Ending pH 4.46
	1450	11.055'	10.323'	1st Temp. 15.2	2nd Temp. 15.1	Stable Temp. 14.6	Ending Temp. 14.8
				Comments:			

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer	3.99	4-15-08/0812	
7-Buffer	6.89	4-15-08/0815	

GROUND WATER MONITORING FIELD DATA SHEET

2nd QUARTER 2008 SAMPLING

Cond. Standard Verification Check

STD. µS/cm	Reading	Date/Time	Initial
1413 µS/cm	1448	4-15-08/0835	

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-14-08	711 DUPLICATE	181.90'	182.30'	1st Cond. 4,240	2nd Cond. 4,220	Stable Cond. 4,260	Ending Cond. 4,180
	Time	Bubbler Start	Bubbler End	1st pH 4.50	2nd pH 4.51	Stable pH 4.52	Ending pH 4.69
	1520	10.323'	9.882'	1st Temp. 14.7	2nd Temp. 14.5	Stable Temp. 14.6	Ending Temp. 14.8
				Comments:			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-14-08	EPA-13	166.55'	167.55'	1st Cond. 4,480	2nd Cond. 4,920	Stable Cond. 5,040	Ending Cond. 5,060
	Time	Bubbler Start	Bubbler End	1st pH 6.04	2nd pH 6.07	Stable pH 6.06	Ending pH 5.77
	1600	6.334'	5.321'	1st Temp. 15.8	2nd Temp. 15.1	Stable Temp. 14.7	Ending Temp. 14.4
				Comments:			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-15-08	719	164.40'	164.95'	1st Cond. 4,060	2nd Cond. 4,090	Stable Cond. 4,120	Ending Cond. 3,980
	Time	Bubbler Start	Bubbler End	1st pH 3.59	2nd pH 3.56	Stable pH 3.53	Ending pH 3.84
	0850	2.759'	2.206'	1st Temp. 12.2	2nd Temp. 12.3	Stable Temp. 12.3	Ending Temp. 13.0
				Comments:			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-15-08	420	145.90'	146.65'	1st Cond. 2,730	2nd Cond. 2,980	Stable Cond. 3,100	Ending Cond. 3,130
	Time	Bubbler Start	Bubbler End	1st pH 6.33	2nd pH 6.45	Stable pH 6.58	Ending pH 6.69
	0920	8.373'	7.947'	1st Temp. 12.9	2nd Temp. 12.8	Stable Temp. 12.8	Ending Temp. 13.8
				Comments: Need to check connection fittings at top of well cap (gas leakage in pressure line).			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-15-08	717	127.10'	127.15'	1st Cond. 4,480	2nd Cond. 4,660	Stable Cond. 4,850	Ending Cond. 5,020
	Time	Bubbler Start	Bubbler End	1st pH 6.62	2nd pH 6.65	Stable pH 6.65	Ending pH 5.59
	1000	4.310'	4.273'	1st Temp. 13.5	2nd Temp. 13.3	Stable Temp. 13.2	Ending Temp. 13.5
				Comments:			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-15-08	EPA-14	117.00'	117.00'	1st Cond. 5,240	2nd Cond. 5,570	Stable Cond. 5,710	Ending Cond. 5,870
	Time	Bubbler Start	Bubbler End	1st pH 4.30	2nd pH 4.30	Stable pH 4.29	Ending pH 4.20
	1035	5.344'	5.277'	1st Temp. 13.4	2nd Temp. 13.1	Stable Temp. 13.0	Ending Temp. 13.3
				Comments:			

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer	4.02	4-16-08/0810	[illegible]
7-Buffer	6.96	4-16-08/0812	[illegible]

GROUND WATER MONITORING FIELD DATA SHEET

2nd QUARTER 2008
SAMPLING

Cond. Standard Verification Check

STD.	µS/cm Reading	Date/Time	Initial
1413 µS/cm	1460	4-16-08/0815	[illegible]

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-15-08	708	151.70'	152.70'	1st Cond. 4,570	2nd Cond. 5,080	Stable Cond. 5,240	Ending Cond. 4,740
	Time	Bubbler Start	Bubbler End	1st pH 2.96	2nd pH 2.90	Stable pH 2.83	Ending pH 3.72
	1115	6.819'	5.925'	1st Temp. 13.5	2nd Temp. 13.5	Stable Temp. 13.2	Ending Temp. 13.6
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-15-08	517	102.65'	105.95'	1st Cond. 4,050	2nd Cond. 4,400	Stable Cond. 4520	Ending Cond. 4,430
	Time	Bubbler Start	Bubbler End	1st pH 3.13	2nd pH 3.08	Stable pH 3.06	Ending pH 3.69
	1150	3.989'	0.700'	1st Temp. 15.1	2nd Temp. 14.7	Stable Temp. 14.5	Ending Temp. 14.9
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-15-08	NBL-1	180.15'	180.25'	1st Cond. 3,280	2nd Cond. 3,360	Stable Cond. 3,390	Ending Cond. 3,840
	Time	Bubbler Start	Bubbler End	1st pH 4.37	2nd pH 4.43	Stable pH 4.51	Ending pH 5.83
	1335	2.889'	2.820'	1st Temp. 15.6	2nd Temp. 15.5	Stable Temp. 15.2	Ending Temp. 14.6
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-15-08	504-B	165.75'	166.30'	1st Cond. 4,650	2nd Cond. 4,770	Stable Cond. 4,830	Ending Cond. 4,830
	Time	Bubbler Start	Bubbler End	1st pH 3.47	2nd pH 3.44	Stable pH 3.40	Ending pH 5.24
	1500	1.417'	1.127'	1st Temp. 15.2	2nd Temp. 15.1	Stable Temp. 14.9	Ending Temp. 15.7
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-16-08	TWQ-142	200.85'	201.70'	1st Cond. 1,510	2nd Cond. 1,530	Stable Cond. 1,572	Ending Cond. 1,622
	Time	Bubbler Start	Bubbler End	1st pH 6.74	2nd pH 6.84	Stable pH 6.93	Ending pH 7.53
	0830	20.031'	19.341'	1st Temp. 11.7	2nd Temp. 11.7	Stable Temp. 11.9	Ending Temp. 12.7
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
4-16-08	FIELD BLANK			1st Cond. 31	2nd Cond.	Stable Cond.	Ending Cond.
	Time	Bubbler Start	Bubbler End	1st pH 7.85	2nd pH	Stable pH	Ending pH
	1030			1st Temp. 17.5	2nd Temp.	Stable Temp.	Ending Temp.
				Comments:			

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer	4.04	1-14/0836	[illegible]
7-Buffer	7.04	1-14/0834	[illegible]

GROUND WATER MONITORING FIELD DATA SHEET

1ST QUARTER 2008 SAMPLING

Cond. Standard Verification Check

STD. µS/cm	Reading	Date/Time	Initial
1413 µS/cm	1420	1-14/0841	[illegible]

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
1-14-08	509-D	76.50'	76.55'	1st Cond. 3,180	2nd Cond. 4,500	Stable Cond. 5,380	Ending Cond. 5,778
				1st pH 6.97	2nd pH 6.98	Stable pH 6.81	Ending pH 6.48
				1st Temp. 9.8	2nd Temp. 9.9	Stable Temp. 10.6	Ending Temp. 11.1
	Time	Bubbler Start	Bubbler End	Comments: Conductivity is in µS/cm; Temperature is in °C; PH is in std. units			
	0927	4.006'	4.007'				
1-14-08	EPA-23	53.10'	53.30'	1st Cond. 4,820	2nd Cond. 4,900	Stable Cond. 4,890	Ending Cond. 4,880
				1st pH 7.17	2nd pH 7.15	Stable pH 7.05	Ending pH 6.77
				1st Temp. 8.0	2nd Temp. 8.0	Stable Temp. 8.7	Ending Temp. 9.8
	Time	Bubbler Start	Bubbler End	Comments:			
	1002	8.785'	8.680'				
1-14-08	803	60.65'	60.75'	1st Cond. 5,880	2nd Cond. 6,060	Stable Cond. 6,490	Ending Cond. 6,430
				1st pH 6.58	2nd pH 6.58	Stable pH 6.56	Ending pH 6.47
				1st Temp. 9.9	2nd Temp. 9.8	Stable Temp. 10.6	Ending Temp. 11.7
	Time	Bubbler Start	Bubbler End	Comments:			
	1033	16.194'	16.055'				
1-14-08	808	48.14'	48.00'	1st Cond. 3,820	2nd Cond. 4,110	Stable Cond. 4,450	Ending Cond. 4,790
				1st pH 6.03	2nd pH 6.13	Stable pH 6.32	Ending pH 6.53
				1st Temp. 9.8	2nd Temp. 10.0	Stable Temp. 10.7	Ending Temp. 11.5
	Time	Bubbler Start	Bubbler End	Comments:			
	1115	15.581'	15.481'				
1-14-08	802	46.45'	46.50'	1st Cond. 4,610	2nd Cond. 4,790	Stable Cond. 5,300	Ending Cond. 5,640
				1st pH 6.76	2nd pH 6.72	Stable pH 6.58	Ending pH 6.47
				1st Temp. 10.1	2nd Temp. 10.4	Stable Temp. 10.9	Ending Temp. 11.7
	Time	Bubbler Start	Bubbler End	Comments:			
	1155	21.259'	21.226'				
1-14-08	801	50.15'	50.90'	1st Cond. 4,110	2nd Cond. 4,400	Stable Cond. 4,430	Ending Cond. 4,690
				1st pH 6.59	2nd pH 6.58	Stable pH 6.54	Ending pH 6.49
				1st Temp. 11.6	2nd Temp. 11.3	Stable Temp. 11.1	Ending Temp. 11.5
	Time	Bubbler Start	Bubbler End	Comments:			
	1345	11.611'	10.863'				

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GROUND WATER MONITORING FIELD DATA SHEET

1ST QUARTER 2008 SAMPLING

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer	4.07	1-15/0855	[illegible]
7-Buffer	7.00	1-15/0847	[illegible]

Cond. Standard Verification Check

STD. µS/cm	Reading	Date/Time	Initial
25°C / 1413 µS/cm			
5°C / 896 uS/cm	904 @ 5.3°C	1-15/0857	[illegible]

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
1-14-08	GW-2	54.75'	55.30'	1st Cond. 4,460	2nd Cond. 4,480	Stable Cond. 4,500	Ending Cond. 5,260
	Time	Bubbler Start	Bubbler End	1st pH 6.51	2nd pH 6.52	Stable pH 6.51	Ending pH 6.42
	1420	16.040'	15.541'	1st Temp. 5.8	2nd Temp. 5.9	Stable Temp. 6.1	Ending Temp. 8.7
				Comments:			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
1-14-08	GW-1	60.50'	60.55'	1st Cond. 2,740	2nd Cond. 3,750	Stable Cond. 3,910	Ending Cond. 4,740
	Time	Bubbler Start	Bubbler End	1st pH 6.84	2nd pH 6.88	Stable pH 6.92	Ending pH 6.69
	1455	10.277'	10.281'	1st Temp. 8.5	2nd Temp. 8.5	Stable Temp. 8.4	Ending Temp. 9.3
				Comments:			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
1-15-08	624	49.95'	49.95'	1st Cond. 3,110	2nd Cond. 3,290	Stable Cond. 3,530	Ending Cond. 3,740
	Time	Bubbler Start	Bubbler End	1st pH 6.08	2nd pH 6.16	Stable pH 6.34	Ending pH 6.53
	0920	12.649'	12.596'	1st Temp. 8.3	2nd Temp. 8.4	Stable Temp. 9.0	Ending Temp. 9.9
				Comments:			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
1-15-08	SBL-1	49.95'	50.35'	1st Cond. 4,110	2nd Cond. 4,150	Stable Cond. 4,850	Ending Cond. 5,390
	Time	Bubbler Start	Bubbler End	1st pH 7.23	2nd pH 7.26	Stable pH 7.06	Ending pH 6.89
	0956	9.759'	9.345'	1st Temp. 6.0	2nd Temp. 6.2	Stable Temp. 8.5	Ending Temp. 9.5
				Comments:			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
1-15-08	EPA-28	61.85'	62.10'	1st Cond. 3,390	2nd Cond. 3,380	Stable Cond. 3,380	Ending Cond. 3,700
	Time	Bubbler Start	Bubbler End	1st pH 7.01	2nd pH 7.01	Stable pH 7.00	Ending pH 6.74
	1033	8.524'	8.358'	1st Temp. 9.3	2nd Temp. 9.3	Stable Temp. 9.3	Ending Temp. 11.4
				Comments:			
Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
1-15-08	EPA-28 DUPLICATE	62.10'	62.10'	1st Cond. 3,700	2nd Cond. 3,700	Stable Cond. 3,700	Ending Cond. 3,650
	Time	Bubbler Start	Bubbler End	1st pH 6.74	2nd pH 6.74	Stable pH 6.74	Ending pH 6.79
	1100	8.358'	8.339'	1st Temp. 11.4	2nd Temp. 11.4	Stable Temp. 11.4	Ending Temp. 11.3
				Comments:			

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer	3.98	1-16-08/0810	[illegible]
7-Buffer	6.96	1-16-08/0825	[illegible]

GROUND WATER MONITORING FIELD DATA SHEET

1ST 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
	632	43.20'	44.00'	1st Cond. 4,300	2nd Cond. 4,530	Stable Cond. 4,830	Ending Cond. 5,180
1-15-08	Time	Bubbler Start	Bubbler End	1st pH 6.85	2nd pH 6.78	Stable pH 6.54	Ending pH 6.39
	1130	13.800'	12,850'	1st Temp. 8.5	2nd Temp. 8.7	Stable Temp. 9.4	Ending Temp. 10.0
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	613	78.90'	79.55'	1st Cond. 5,920	2nd Cond. 6,550	Stable Cond. 7,000	Ending Cond. 7,400
1-15-08	Time	Bubbler Start	Bubbler End	1st pH 3.61	2nd pH 3.49	Stable pH 3.20	Ending pH 3.03
	1205	5.898'	5.267'	1st Temp. 9.1	2nd Temp. 9.0	Stable Temp. 9.9	Ending Temp. 10.6
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	GW-3	51.60'	52.30'	1st Cond. 3,010	2nd Cond. 3,180	Stable Cond. 3,470	Ending Cond. 3,820
1-15-08	Time	Bubbler Start	Bubbler End	1st pH 6.06	2nd pH 6.25	Stable pH 6.39	Ending pH 6.62
	1335	4.052'	3.392'	1st Temp. 10.2	2nd Temp. 10.2	Stable Temp. 10.2	Ending Temp. 9.5
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	EPA-25	52.40'	52.50'	1st Cond. 2,600	2nd Cond. 2,670	Stable Cond. 2,690	Ending Cond. 3,240
1-15-08	Time	Bubbler Start	Bubbler End	1st pH 6.81	2nd pH 6.87	Stable pH 6.90	Ending pH 6.91
	1420	8.513'	8.444'	1st Temp. 9.6	2nd Temp. 9.8	Stable Temp. 10.0	Ending Temp. 10.7
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	627	57.45'	57.50'	1st Cond. 2,730	2nd Cond. 3,310	Stable Cond. 3,400	Ending Cond. 3,740
1-15-08	Time	Bubbler Start	Bubbler End	1st pH 7.13	2nd pH 7.25	Stable pH 7.25	Ending pH 7.05
	1500	5.112'	5.087'	1st Temp. 9.3	2nd Temp. 9.6	Stable Temp. 9.8	Ending Temp. 11.6
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	614	102.25'	102.70'	1st Cond. 4,060	2nd Cond. 4,480	Stable Cond. 4,650	Ending Cond. 5,060
1-16-08	Time	Bubbler Start	Bubbler End	1st pH 6.18	2nd pH 6.90	Stable pH 7.04	Ending pH 6.61
	0900	4.279'	3.832'	1st Temp. 13.5	2nd Temp. 7.6	Stable Temp. 8.4	Ending Temp. 8.6
				Comments:			

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer	3.99	1-21-08/0825	[illegible]
7-Buffer	7.01	1-21-08/0820	[illegible]

GROUND WATER MONITORING FIELD DATA SHEET

1ST 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
	515-A	102.25'	105.55'	1st Cond. 4,810	2nd Cond. 4,920	Stable Cond. 5,010	Ending Cond. 5,110
				1st pH 6.81	2nd pH 6.15	Stable pH 6.60	Ending pH 5.10
1-16-08	Time	Bubbler Start	Bubbler End	1st Temp. 8.0	2nd Temp. 8.5	Stable Temp. 8.8	Ending Temp. 9.8
	1000	7.047'	3.025'	Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	604	101.25'	101.75'	1st Cond. 3,950	2nd Cond. 4,070	Stable Cond. 4,370	Ending Cond. 4,620
				1st pH 5.83	2nd pH 5.63	Stable pH 5.48	Ending pH 5.10
1-16-08	Time	Bubbler Start	Bubbler End	1st Temp. 8.1	2nd Temp. 9.8	Stable Temp. 8.7	Ending Temp. 10.7
	1050	8.138'	7.603'	Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	FIELD BLANK			1st Cond. 12	2nd Cond.	Stable Cond.	Ending Cond.
				1st pH 6.74	2nd pH	Stable pH	Ending pH
1-16-08	Time	Bubbler Start	Bubbler End	1st Temp. 3.9	2nd Temp.	Stable Temp.	Ending Temp.
	1150			Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	EPA-4	205.00'	205.40'	1st Cond. 2,680	2nd Cond. 4,120	Stable Cond. 4,390	Ending Cond. 4,580
				1st pH 6.41	2nd pH 6.44	Stable pH 6.51	Ending pH 6.73
1-21-08	Time	Bubbler Start	Bubbler End	1st Temp. 8.7	2nd Temp. 8.6	Stable Temp. 8.7	Ending Temp. 10.4
	0917	18.048'	17.719'	Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	EPA-5	123.45'	123.70'	1st Cond. 4,140	2nd Cond. 4,330	Stable Cond. 4,580	Ending Cond. 4,650
				1st pH 5.87	2nd pH 5.87	Stable pH 5.86	Ending pH 5.95
1-21-08	Time	Bubbler Start	Bubbler End	1st Temp. 7.6	2nd Temp. 7.5	Stable Temp. 7.4	Ending Temp. 10.9
	0955	7.511'	7.301'	Comments: Need to inspect bladder pump condition due to a very slow discharge.			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	EPA-7	113.15'	114.10'	1st Cond. 6,490	2nd Cond. 7,430	Stable Cond. 7,590	Ending Cond. 7,550
				1st pH 7.04	2nd pH 7.04	Stable pH 7.05	Ending pH 6.15
1-21-08	Time	Bubbler Start	Bubbler End	1st Temp. 7.7	2nd Temp. 7.8	Stable Temp. 7.9	Ending Temp. 10.0
	1050	13.988'	13.095'	Comments:			

PH Standard Verification Check

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

GROUND WATER MONITORING FIELD DATA SHEET

1ST 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
	EPA-2	172.00'	172.55'	1st Cond. 2,300	2nd Cond. 2,680	Stable Cond. 2,880	Ending Cond. 2,910
1-21-08	Time	Bubbler Start	Bubbler End	1st pH 6.97	2nd pH 6.98	Stable pH 6.99	Ending pH 6.78
	1240	9.554'	9.018'	1st Temp. 10.6	2nd Temp. 10.7	Stable Temp. 10.8	Ending Temp. 11.8
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	EPA-2 DUPLICATE	172.55'	172.65'	1st Cond. 2,920	2nd Cond. 2,930	Stable Cond. 2,930	Ending Cond. 2,930
1-21-08	Time	Bubbler Start	Bubbler End	1st pH 6.79	2nd pH 6.78	Stable pH 6.77	Ending pH 6.76
	1307	9.018'	8.867'	1st Temp. 11.7	2nd Temp. 11.7	Stable Temp. 11.6	Ending Temp. 11.8
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	517	102.50'	106.60'	1st Cond. 2,720	2nd Cond. 3,840	Stable Cond. 4,690	Ending Cond. 4,830
1-21-08	Time	Bubbler Start	Bubbler End	1st pH 3.28	2nd pH 3.31	Stable pH 3.35	Ending pH 3.80
	1333	4.198'	0.350'	1st Temp. 9.6	2nd Temp. 9.8	Stable Temp. 10.0	Ending Temp. 11.7
				Comments: Need to inspect bladder pump check valve due to leakage.			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	708	151.40'	152.15'	1st Cond. 4,790	2nd Cond. 5,610	Stable Cond. 5,730	Ending Cond. 5,330
1-21-08	Time	Bubbler Start	Bubbler End	1st pH 2.75	2nd pH 2.76	Stable pH 2.75	Ending pH 3.81
	1410	7.118'	6.395'	1st Temp. 10.2	2nd Temp. 10.3	Stable Temp. 10.4	Ending Temp. 11.1
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	711	180.70'	181.30'	1st Cond. 3,300	2nd Cond. 4,140	Stable Cond. 4,940	Ending Cond. 4,640
1-21-08	Time	Bubbler Start	Bubbler End	1st pH 2.99	2nd pH 3.04	Stable pH 2.98	Ending pH 4.46
	1440	11.403'	10.846'	1st Temp. 9.0	2nd Temp. 9.3	Stable Temp. 9.5	Ending Temp. 10.8
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	711 DUPLICATE	181.30'	181.75'	1st Cond. 4,480	2nd Cond. 4,700	Stable Cond. 4,700	Ending Cond. 4,630
1-21-08	Time	Bubbler Start	Bubbler End	1st pH 4.72	2nd pH 4.47	Stable pH 4.48	Ending pH 4.74
	1505	10.846'	10.483'	1st Temp. 10.1	2nd Temp. 10.4	Stable Temp. 10.4	Ending Temp. 10.6
				Comments:			

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer	4.00	1-22-08/0825	[illegible]
7-Buffer	7.06	1-22-08/0815	[illegible]

GROUND WATER MONITORING FIELD DATA SHEET

1ST QUARTER 2008 SAMPLING

Cond. Standard Verification Check

STD. µS/cm	Reading	Date/Time	Initial
1413 µS/cm	1459	1-22-08/0837	[illegible]

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
1-22-08	EPA-13	166.40'	167.25'	1st Cond. 5,690	2nd Cond. 5,880	Stable Cond. 5,920	Ending Cond. 6,050
	Time	Bubbler Start	Bubbler End	1st pH 6.18	2nd pH 6.23	Stable pH 6.30	Ending pH 6.11
	0900	6.520'	5.715'	1st Temp. 8.2	2nd Temp. 8.3	Stable Temp. 8.7	Ending Temp. 9.1
				Comments:			
1-22-08	719	164.20'	164.85'	1st Cond. 3,680	2nd Cond. 3,980	Stable Cond. 4,220	Ending Cond. 4,490
	Time	Bubbler Start	Bubbler End	1st pH 4.50	2nd pH 4.47	Stable pH 4.35	Ending pH 3.89
	0930	2.695'	2.222'	1st Temp. 8.7	2nd Temp. 9.2	Stable Temp. 9.7	Ending Temp. 11.4
				Comments:			
1-22-08	420	145.70'	146.20'	1st Cond. 3,160	2nd Cond. 3,360	Stable Cond. 3,470	Ending Cond. 3,520
	Time	Bubbler Start	Bubbler End	1st pH 6.64	2nd pH 6.71	Stable pH 6.82	Ending pH 6.69
	1000	8.361'	8.186'	1st Temp. 8.8	2nd Temp. 9.0	Stable Temp. 9.4	Ending Temp. 10.7
				Comments:			
1-22-08	EPA-14	116.95'	117.00'	1st Cond. 4,840	2nd Cond. 5,810	Stable Cond. 6,430	Ending Cond. 6,420
	Time	Bubbler Start	Bubbler End	1st pH 4.44	2nd pH 4.40	Stable pH 4.40	Ending pH 4.30
	1030	5.518'	5.464'	1st Temp. 9.5	2nd Temp. 9.7	Stable Temp. 9.9	Ending Temp. 11.4
				Comments:			
1-22-08	717	127.10'	127.10'	1st Cond. 4,770	2nd Cond. 4,850	Stable Cond. 4,910	Ending Cond. 5,540
	Time	Bubbler Start	Bubbler End	1st pH 6.49	2nd pH 6.53	Stable pH 6.59	Ending pH 5.64
	1056	4.555'	4.501'	1st Temp. 10.3	2nd Temp. 10.4	Stable Temp. 10.5	Ending Temp. 11.2
				Comments: Need to inspect bladder pump check valve due to leakage.			
1-22-08	NBL-2	155.15'	155.45'	1st Cond. 3,620	2nd Cond. 3,730	Stable Cond. 3,750	Ending Cond. 3,720
	Time	Bubbler Start	Bubbler End	1st pH 6.63	2nd pH 6.67	Stable pH 6.70	Ending pH 6.69
	1133	8.627'	8.359'	1st Temp. 9.3	2nd Temp. 9.4	Stable Temp. 9.7	Ending Temp. 10.7
				Comments: Additional Zone 3 water well sample to be analyzed for the full quarterly list of parameters as requested by N.A. Water Systems.			

PH Standard Verification Check

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

GROUND WATER MONITORING FIELD DATA SHEET
1ST QUARTER 2008
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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
	TWQ-142	201.50'	201.80'	1st Cond. 1,590	2nd Cond. 1,635	Stable Cond. 1,615	Ending Cond. 1,744
1-22-08	Time	Bubbler Start	Bubbler End	1st pH 7.36	2nd pH 7.39	Stable pH 7.41	Ending pH 7.62
	1300	19.808'	19.123'	1st Temp. 10.4	2nd Temp. 10.6	Stable Temp. 10.4	Ending Temp. 11.8
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	NBL-1	179.90'	179.95'	1st Cond. 3,820	2nd Cond. 3,870	Stable Cond. 3,910	Ending Cond. 4,470
1-22-08	Time	Bubbler Start	Bubbler End	1st pH 6.69	2nd pH 6.67	Stable pH 6.62	Ending pH 5.88
	1330	3.120'	3.118'	1st Temp. 10.9	2nd Temp. 10.9	Stable Temp. 11.0	Ending Temp. 12.3
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	PB-3	177.65'	177.70'	1st Cond. 3,640	2nd Cond. 3,900	Stable Cond. 4,160	Ending Cond. 4,220
1-22-08	Time	Bubbler Start	Bubbler End	1st pH 6.97	2nd pH 7.02	Stable pH 7.12	Ending pH 6.37
	1400			1st Temp. 10.6	2nd Temp. 10.7	Stable Temp. 10.8	Ending Temp. 12.1
				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	178.40'		1st Cond. 4,260	2nd Cond.	Stable Cond.	Ending Cond.
1-22-08	Time	Bubbler Start	Bubbler End	1st pH 6.05	2nd pH	Stable pH	Ending pH
	1450			1st Temp. 13.2	2nd Temp.	Stable Temp.	Ending Temp.
				Comments: Same comment as for well NBL-2 and this well is also a Zone 3 pumping/extraction well.			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	504-B	165.85'	166.10'	1st Cond. 5,600	2nd Cond. 5,640	Stable Cond. 5,650	Ending Cond. 5,650
1-22-08	Time	Bubbler Start	Bubbler End	1st pH 3.26	2nd pH 3.26	Stable pH 3.26	Ending pH 5.35
	1511	1.492'	1.187'	1st Temp. 9.9	2nd Temp. 9.9	Stable Temp. 9.9	Ending Temp. 9.6
				Comments:			

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
	FIELD BLANK			1st Cond. 16	2nd Cond.	Stable Cond.	Ending Cond.
1-22-08	Time	Bubbler Start	Bubbler End	1st pH 6.71	2nd pH	Stable pH	Ending pH
	1630			1st Temp. 9.7	2nd Temp.	Stable Temp.	Ending Temp.
				Comments:			

GROUND WATER MONITORING FIELD DATA SHEET

1ST QUARTER 2008 SAMPLING

PH Standard Verification Check

STD.	PH Reading	Date/Time	Initial
4-Buffer	3.97	1-23-08/0826	rc
7-Buffer	7.05	1-23-08/0822	rc

Cond. Standard Verification Check

STD.	µS/cm Reading	Date/Time	Initial
1413 µS/cm	1450	1-23-08/0828	rc

Date	Well Number	WL w/Probe Pre-Sample	WL w/Probe Post Sample	Reading	Reading	Reading	Reading
1-23-08	RW-A	180.50'		1st Cond. 3,870	2nd Cond.	Stable Cond.	Ending Cond.
				1st pH 6.27	2nd pH	Stable pH	Ending pH
				1st Temp. 15.0	2nd Temp.	Stable Temp.	Ending Temp.
Time 0905		Bubbler Start	Bubbler End	Comments: Same comment and status as well PB-2.			
1-23-08	RW-11	171.90'		1st Cond. 3,840	2nd Cond.	Stable Cond.	Ending Cond.
				1st pH 6.23	2nd pH	Stable pH	Ending pH
				1st Temp. 14.0	2nd Temp.	Stable Temp.	Ending Temp.
Time 0930		Bubbler Start	Bubbler End	Comments: Same comment and status as well PB-2.			
Date				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				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				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				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:			

APPENDIX B

QUARTERLY SAMPLING

SEMI-ANNUAL GROUND WATER MONITORING REPORT

JANUARY AND APRIL 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
Project: Zone 1
Lab ID: C08010858-004
Client Sample ID Field Blank

Report Date: 04/02/08
Collection Date: 01/16/08 11:50
DateReceived: 01/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	7	mg/L		1		A2320 B	01/21/08 13:51 / bas
Calcium	ND	mg/L		0.5		E200.7	02/01/08 11:48 / cp
Chloride	2	mg/L		1		E200.7	02/01/08 11:48 / cp
Magnesium	ND	mg/L		0.5		E200.7	02/01/08 11:48 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	01/22/08 13:35 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	01/23/08 13:08 / jal
Potassium	ND	mg/L		0.5		E200.7	02/01/08 11:48 / cp
Sodium	3.5	mg/L		0.5		E200.7	02/01/08 11:48 / cp
Sulfate	ND	mg/L		1		E200.7	02/01/08 11:48 / cp
PHYSICAL PROPERTIES							
pH	7.39	s.u.		0.01		A4500-H B	01/19/08 10:16 / gg
Solids, Total Dissolved TDS @ 180 C	ND	mg/L		10		A2540 C	01/21/08 12:42 / dd
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	01/30/08 04:30 / sml
Beryllium	ND	mg/L		0.01		E200.8	01/29/08 03:11 / ts
Cadmium	ND	mg/L		0.005		E200.8	01/29/08 03:11 / ts
Cobalt	ND	mg/L		0.01		E200.8	01/29/08 03:11 / ts
Lead	ND	mg/L		0.05		E200.8	01/29/08 03:11 / ts
Manganese	ND	mg/L		0.01		E200.8	01/29/08 03:11 / ts
Molybdenum	ND	mg/L		0.1		E200.8	01/29/08 03:11 / ts
Nickel	ND	mg/L		0.05		E200.8	01/29/08 03:11 / ts
Uranium	ND	mg/L		0.0003		E200.8	01/29/08 03:11 / ts
Vanadium	ND	mg/L		0.1		E200.8	01/29/08 03:11 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/24/08 12:13 / rw
Selenium-IV	ND	mg/L		0.001		A3114 B	01/21/08 12:19 / rw
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	01/23/08 18:46 / crw
Lead 210	ND	pCi/L		1.0		E909.0M	01/22/08 08:30 / dm
Radium 226	ND	pCi/L		0.2		E903.0	01/30/08 19:27 / taj
Radium 228	ND	pCi/L		1.0		RA-05	02/12/08 10:39 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/21/08 15:00 / dmf
DATA QUALITY							
A/C Balance (± 5)	-5.12	%				Calculation	02/11/08 17:29 / sw
Anions	0.178	meq/L				Calculation	02/11/08 17:29 / sw
Cations	0.160	meq/L				Calculation	02/11/08 17:29 / sw

- The ion balance is not appropriate for near blank results.

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08010858-004
Client Sample ID Field Blank

Report Date: 04/02/08
Collection Date: 01/16/08 11:50
DateReceived: 01/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	1.02	ug/L		0.50		E624	01/21/08 15:04 / jlr
Bromoform	1.37	ug/L		0.50		E624	01/21/08 15:04 / jlr
Chlorodibromomethane	1.65	ug/L		0.50		E624	01/21/08 15:04 / jlr
Chloroform	0.90	ug/L		0.50		E624	01/21/08 15:04 / jlr
Trihalomethanes, Total	4.93	ug/L		0.50		E624	01/21/08 15:04 / jlr
Surr: 1,2-Dichlorobenzene-d4	100	%REC		80-120		E624	01/21/08 15:04 / jlr
Surr: Dibromofluoromethane	105	%REC		80-120		E624	01/21/08 15:04 / jlr
Surr: p-Bromofluorobenzene	98.0	%REC		80-120		E624	01/21/08 15:04 / jlr
Surr: Toluene-d8	101	%REC		80-120		E624	01/21/08 15:04 / jlr

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08011074-015
Client Sample ID Field Blank

Report Date: 04/02/08
Collection Date: 01/22/08 16:30
DateReceived: 01/25/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	6	mg/L		1		A2320 B	01/28/08 18:19 / bas
Calcium	ND	mg/L		0.5		E200.7	02/13/08 20:26 / cp
Chloride	2	mg/L		1		E200.7	02/14/08 15:52 / cp
Magnesium	ND	mg/L		0.5		E200.7	02/13/08 20:26 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	01/28/08 11:32 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	01/29/08 11:22 / jal
Potassium	ND	mg/L		0.5		E200.7	02/13/08 20:26 / cp
Sodium	3.3	mg/L		0.5		E200.7	02/13/08 20:26 / cp
Sulfate	2	mg/L		1		E200.7	02/13/08 20:26 / cp
PHYSICAL PROPERTIES							
pH	7.15	s.u.		0.01		A4500-H B	01/29/08 11:27 / bas
Solids, Total Dissolved TDS @ 180 C	24	mg/L		10		A2540 C	01/29/08 14:46 / dd
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	02/08/08 00:17 / ts
Beryllium	ND	mg/L		0.01		E200.8	02/08/08 00:17 / ts
Cadmium	ND	mg/L		0.005		E200.8	02/08/08 00:17 / ts
Cobalt	ND	mg/L		0.01		E200.8	02/08/08 00:17 / ts
Lead	ND	mg/L		0.05		E200.8	02/08/08 00:17 / ts
Manganese	ND	mg/L		0.01		E200.8	02/08/08 00:17 / ts
Molybdenum	ND	mg/L		0.1		E200.8	02/08/08 00:17 / ts
Nickel	ND	mg/L		0.05		E200.8	02/08/08 00:17 / ts
Uranium	ND	mg/L		0.0003		E200.8	02/08/08 00:17 / ts
Vanadium	ND	mg/L		0.1		E200.8	02/08/08 00:17 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/30/08 15:15 / rw
Selenium-IV	ND	mg/L		0.001		A3114 B	01/29/08 16:48 / rw
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	ND	pCi/L		1.0		E900.1	02/11/08 14:15 / crw
Lead 210	ND	pCi/L		1.0		E909.0M	01/30/08 09:35 / dm
Radium 226	ND	pCi/L		0.2		E903.0	02/06/08 08:46 / taj
Radium 228	ND	pCi/L		1.0		RA-05	02/01/08 10:06 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/29/08 13:00 / dmf
DATA QUALITY							
A/C Balance (± 5)	-11.2	%				Calculation	02/21/08 09:58 / sw
Anions	0.195	meq/L				Calculation	02/21/08 09:58 / sw
Cations	0.156	meq/L				Calculation	02/21/08 09:58 / sw

- The balance is not appropriate for near blank results.

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08011074-015
Client Sample ID Field Blank

Report Date: 04/02/08
Collection Date: 01/22/08 16:30
DateReceived: 01/25/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	0.68	ug/L		0.50		E624	01/31/08 02:27 / jlr
Bromoform	0.72	ug/L		0.50		E624	01/31/08 02:27 / jlr
Chlorodibromomethane	0.90	ug/L		0.50		E624	01/31/08 02:27 / jlr
Chloroform	0.94	ug/L		0.50		E624	01/31/08 02:27 / jlr
Trihalomethanes, Total	3.24	ug/L		0.50		E624	01/31/08 02:27 / jlr
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120		E624	01/31/08 02:27 / jlr
Surr: Dibromofluoromethane	102	%REC		80-120		E624	01/31/08 02:27 / jlr
Surr: p-Bromofluorobenzene	98.0	%REC		80-120		E624	01/31/08 02:27 / jlr
Surr: Toluene-d8	104	%REC		80-120		E624	01/31/08 02:27 / jlr

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08040580-017
Client Sample ID: Field Blank

Report Date: 06/10/08
Collection Date: 04/09/08 11:40
DateReceived: 04/11/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	13	mg/L		1		A2320 B	04/15/08 15:08 / ljl
Calcium	ND	mg/L		0.5		E200.7	04/30/08 20:17 / cp
Chloride	2	mg/L		1		A4500-Cl B	04/17/08 16:55 / jl
Magnesium	ND	mg/L		0.5		E200.7	04/30/08 20:17 / cp
Nitrogen, Ammonia as N	ND	mg/L	D	0.1		E350.1	04/22/08 14:39 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/19/08 08:35 / eli-b
Potassium	ND	mg/L		0.5		E200.7	04/30/08 20:17 / cp
Sodium	6.9	mg/L		0.5		E200.7	04/30/08 20:17 / cp
Sulfate	1	mg/L		1		A4500-SO4 E	04/17/08 17:35 / ljl
PHYSICAL PROPERTIES							
pH	8.31	s.u.		0.01		A4500-H B	04/15/08 11:24 / dd
Solids, Total Dissolved TDS @ 180 C	32	mg/L		10		A2540 C	04/14/08 22:39 / dd
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	04/30/08 21:47 / sml
Beryllium	ND	mg/L		0.01		E200.8	04/30/08 21:47 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/30/08 21:47 / sml
Cobalt	ND	mg/L		0.01		E200.8	04/30/08 21:47 / sml
Lead	ND	mg/L		0.05		E200.8	04/30/08 21:47 / sml
Manganese	ND	mg/L		0.01		E200.8	04/30/08 21:47 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/30/08 21:47 / sml
Nickel	ND	mg/L		0.05		E200.8	04/30/08 21:47 / sml
Uranium	ND	mg/L		0.0003		E200.8	04/30/08 21:47 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/30/08 21:47 / sml
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	04/24/08 13:00 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	04/16/08 10:43 / rw
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	0.8	pCi/L		1.0		E900.1	04/28/08 19:41 / crw
Gross Alpha minus Rn & U Precision (±)	0.3	pCi/L				E900.1	04/28/08 19:41 / crw
Lead 210	-9	pCi/L	U	1.0		E909.0M	04/18/08 11:15 / dm
Lead 210 precision (±)	2	pCi/L				E909.0M	04/18/08 11:15 / dm
Radium 226	0.0	pCi/L	U			E903.0	05/07/08 09:41 / taj
Radium 226 precision (±)	0.1	pCi/L				E903.0	05/07/08 09:41 / taj
Radium 226 MDC	0.2	pCi/L				E903.0	05/07/08 09:41 / taj
Radium 228	-0.8	pCi/L	U			RA-05	05/02/08 13:55 / plj
Radium 228 precision (±)	0.8	pCi/L				RA-05	05/02/08 13:55 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	05/02/08 13:55 / 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: C08040580-017
Client Sample ID: Field Blank

Report Date: 06/10/08
Collection Date: 04/09/08 11:40
DateReceived: 04/11/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.5	pCi/L		0.2		E907.0	04/18/08 13:30 / dmf
Thorium 230 precision (±)	0.8	pCi/L				E907.0	04/18/08 13:30 / dmf
DATA QUALITY							
A/C Balance (± 5)	3.89	%				Calculation	06/02/08 13:40 / jc
Anions	0.289	meq/L				Calculation	06/02/08 13:40 / jc
Cations	0.313	meq/L				Calculation	06/02/08 13:40 / jc
Solids, Total Dissolved Calculated	21.0	mg/L				Calculation	06/02/08 13:40 / jc
TDS Balance (0.80 - 1.20)	1.52	dec. %				Calculation	06/02/08 13:40 / jc
- The balance is not appropriate for near blank results.							
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	0.81	ug/L		0.50		E624	04/15/08 16:56 / jlr
Bromoform	1.86	ug/L		0.50		E624	04/15/08 16:56 / jlr
Chlorodibromomethane	1.54	ug/L		0.50		E624	04/15/08 16:56 / jlr
Chloroform	0.72	ug/L		0.50		E624	04/15/08 16:56 / jlr
Trihalomethanes, Total	4.93	ug/L		0.50		E624	04/15/08 16:56 / jlr
Surr: 1,2-Dichlorobenzene-d4	103	%REC		80-120		E624	04/15/08 16:56 / jlr
Surr: Dibromofluoromethane	93.0	%REC		80-120		E624	04/15/08 16:56 / jlr
Surr: p-Bromofluorobenzene	103	%REC		80-120		E624	04/15/08 16:56 / jlr
Surr: Toluene-d8	104	%REC		80-120		E624	04/15/08 16:56 / 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.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08040580-017
Client Sample ID: Field Blank

Revised Date: 07/20/08
Report Date: 06/10/08
Collection Date: 04/09/08 11:40
DateReceived: 04/11/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	0.8	pCi/L	U	1.0		E900.1	04/28/08 19:41 / crw
Gross Alpha minus Rn & U Precision (±)	0.3	pCi/L				E900.1	04/28/08 19:41 / crw
Lead 210	-9	pCi/L	U	1.0		E909.0M	04/18/08 11:15 / dm
Lead 210 precision (±)	2	pCi/L				E909.0M	04/18/08 11:15 / dm
Radium 226	0.0	pCi/L	U			E903.0	05/07/08 09:41 / taj
Radium 226 precision (±)	0.1	pCi/L				E903.0	05/07/08 09:41 / taj
Radium 226 MDC	0.2	pCi/L				E903.0	05/07/08 09:41 / taj
Radium 228	-0.8	pCi/L	U			RA-05	05/02/08 13:55 / plj
Radium 228 precision (±)	0.8	pCi/L				RA-05	05/02/08 13:55 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	05/02/08 13:55 / plj
Thorium 230	0.5	pCi/L		0.2		E907.0	04/18/08 13:30 / dmf
Thorium 230 precision (±)	0.8	pCi/L				E907.0	04/18/08 13:30 / dmf

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: C08040890-007
Client Sample ID: Field Blank

Report Date: 06/09/08
Collection Date: 04/16/08 10:30
DateReceived: 04/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	13	mg/L		1		A2320 B	04/24/08 12:48 / ljl
Calcium	ND	mg/L		0.5		E200.7	05/08/08 18:39 / cp
Chloride	2	mg/L		1		A4500-Cl B	04/28/08 16:03 / ljl
Magnesium	ND	mg/L		0.5		E200.7	05/08/08 18:39 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	04/24/08 10:27 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/28/08 11:35 / eli-b
Potassium	0.5	mg/L		0.5		E200.7	05/08/08 18:39 / cp
Sodium	6.1	mg/L		0.5		E200.7	05/08/08 18:39 / cp
Sulfate	2	mg/L		1		A4500-SO4 E	04/24/08 13:44 / jal
PHYSICAL PROPERTIES							
pH	7.64	s.u.		0.01		A4500-H B	04/22/08 16:42 / dd
Solids, Total Dissolved TDS @ 180 C	41	mg/L	B	10		A2540 C	04/21/08 15:38 / dd
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	05/08/08 18:39 / cp
Beryllium	ND	mg/L		0.01		E200.7	05/08/08 18:39 / cp
Cadmium	ND	mg/L		0.005		E200.8	05/09/08 21:14 / sml
Cobalt	ND	mg/L		0.01		E200.7	05/08/08 18:39 / cp
Lead	ND	mg/L		0.05		E200.7	05/08/08 18:39 / cp
Manganese	ND	mg/L		0.01		E200.7	05/08/08 18:39 / cp
Molybdenum	ND	mg/L		0.1		E200.7	05/08/08 18:39 / cp
Nickel	ND	mg/L		0.05		E200.7	05/08/08 18:39 / cp
Uranium	ND	mg/L		0.0003		E200.8	05/09/08 21:14 / sml
Vanadium	ND	mg/L		0.1		E200.7	05/08/08 18:39 / cp
METALS - SPECIATED							
Arsenic-III	0.001	mg/L		0.001		A3114 B	04/28/08 14:32 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	04/30/08 11:43 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	0.8	pCi/L	U	1.0		E900.1	04/28/08 16:13 / crw
Gross Alpha minus Rn & U Precision (±)	0.3	pCi/L				E900.1	04/28/08 16:13 / crw
Lead 210	-5.7	pCi/L	U	1.0		E909.0M	04/29/08 10:15 / dm
Lead 210 precision (±)	2	pCi/L				E909.0M	04/29/08 10:15 / dm
Radium 226	-0.1	pCi/L	U			E903.0	05/13/08 14:59 / taj
Radium 226 precision (±)	0.06	pCi/L				E903.0	05/13/08 14:59 / taj
Radium 226 MDC	0.2	pCi/L				E903.0	05/13/08 14:59 / taj
Radium 228	0.02	pCi/L	U			RA-05	05/08/08 10:02 / plj
Radium 228 precision (±)	0.6	pCi/L				RA-05	05/08/08 10:02 / plj
Radium 228 MDC	1	pCi/L				RA-05	05/08/08 10:02 / 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.
B - The analyte was detected in the method blank.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08040890-007
Client Sample ID: Field Blank

Report Date: 06/09/08
Collection Date: 04/16/08 10:30
DateReceived: 04/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.4	pCi/L		0.2		E907.0	04/28/08 15:00 / dmf
Thorium 230 precision (±)	0.6	pCi/L				E907.0	04/28/08 15:00 / dmf
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	1.36	ug/L		0.50		E624	04/22/08 01:59 / jlr
Bromoform	2.97	ug/L		0.50		E624	04/22/08 01:59 / jlr
Chlorodibromomethane	2.56	ug/L		0.50		E624	04/22/08 01:59 / jlr
Chloroform	1.27	ug/L		0.50		E624	04/22/08 01:59 / jlr
Trihalomethanes, Total	8.15	ug/L		0.50		E624	04/22/08 01:59 / jlr
Surr: 1,2-Dichlorobenzene-d4	96.0	%REC		80-120		E624	04/22/08 01:59 / jlr
Surr: Dibromofluoromethane	104	%REC		80-120		E624	04/22/08 01:59 / jlr
Surr: p-Bromofluorobenzene	92.0	%REC		80-120		E624	04/22/08 01:59 / jlr
Surr: Toluene-d8	101	%REC		80-120		E624	04/22/08 01:59 / 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.

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LABORATORY ANALYTICAL REPORT

Revised Date: 07/20/08
Report Date: 06/09/08
Collection Date: 04/16/08 10:30
DateReceived: 04/18/08
Matrix: Aqueous

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08040890-007
Client Sample ID: Field Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	0.8	pCi/L	U	1.0		E900.1	04/28/08 16:13 / crw
Gross Alpha minus Rn & U Precision (±)	0.3	pCi/L				E900.1	04/28/08 16:13 / crw
Lead 210	-5.7	pCi/L	U	1.0		E909.0M	04/29/08 10:15 / dm
Lead 210 precision (±)	2.3	pCi/L				E909.0M	04/29/08 10:15 / dm
Radium 226	-0.1	pCi/L	U			E903.0	05/13/08 14:59 / taj
Radium 226 precision (±)	0.06	pCi/L				E903.0	05/13/08 14:59 / taj
Radium 226 MDC	0.2	pCi/L				E903.0	05/13/08 14:59 / taj
Radium 228	0.02	pCi/L	U			RA-05	05/08/08 10:02 / plj
Radium 228 precision (±)	0.6	pCi/L				RA-05	05/08/08 10:02 / plj
Radium 228 MDC	1.0	pCi/L				RA-05	05/08/08 10:02 / plj
Thorium 230	0.4	pCi/L		0.2		E907.0	04/28/08 15:00 / dmf
Thorium 230 precision (±)	0.6	pCi/L				E907.0	04/28/08 15:00 / dmf

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:		4/8/2008	1/15/2008	10/2/2007	7/9/2007
Receive Date:		4/11/2008	1/18/2008	10/5/2007	7/10/2007
Report Date:		6/10/2008	4/1/2008	11/16/2007	8/27/2007
Analyte	Units	C08040580-012	C08010860-011	C07100328-011	C07070680-013
Bicarbonate as HCO3	mg/L	722	752	795	767
Calcium	mg/L	578	534	506	577
Chloride	mg/L	114	148	141	116
Magnesium	mg/L	546	485	465	521
Nitrogen, Ammonia as N	mg/L	ND(0.1)	ND(0.05)	ND(0.05)	ND(0.05)
Nitrogen, Nitrate+Nitrite as N	mg/L	48.5	34.6	36	39
Potassium	mg/L	13.0	13.6	13.3	12.0
Sodium	mg/L	244	215	211	216
Sulfate	mg/L	2920	2670	2600	2930
pH	s.u.	7.08	6.93	6.88	7.08
Solids, Total Dissolved TDS @ 180 C	mg/L	4930	5190	5040	4990
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	0.60	0.58	0.70	0.54
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	0.0445	0.0429	0.0506	0.0496
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	0.008
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	ND(1.0)	1.2	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.4		0.8	
Lead 210	pCi/L	-4.5	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L	2			
Radium 226	pCi/L	0.1	0.6	ND(0.2)	ND(0.2)
Radium 226 MDC	pCi/L	0.2			
Radium 226 precision (±)	pCi/L	0.1	0.3		
Radium 228	pCi/L	0.7	ND(1.0)	ND(1.0)	ND(1.0)
Radium 228 MDC	pCi/L	1.3			
Radium 228 precision (±)	pCi/L	0.8			
Thorium 230	pCi/L	-0.1	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.2			
A/C Balance (± 5)		3.30	1.18	-0.387	1.09
Anions		79.3	74.5	73.7	79.7
Cations		84.8	76.3	73.1	81.4
Solids, Total Dissolved Calculated		5000	4590	4490	4930
TDS Balance (0.80 - 1.20)		0.990	1.13	1.12	1.01
Trihalomethanes, Total		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
Collection Date:		4/8/2008	1/15/2008	10/2/2007
Receive Date:		4/11/2008	1/18/2008	10/5/2007
Report Date:		6/10/2008	4/1/2008	11/16/2007
Analyte	Units	C08040580-013	C08010860-012	C07100328-012
Bicarbonate as HCO3	mg/L	632	688	719
Calcium	mg/L	566	517	493
Chloride	mg/L	114	145	139
Magnesium	mg/L	535	470	460
Nitrogen, Ammonia as N	mg/L	ND(0.1)	ND(0.05)	ND(0.05)
Nitrogen, Nitrate+Nitrite as N	mg/L	43.2	28.1	29
Potassium	mg/L	12.2	12.9	12.8
Sodium	mg/L	248	219	221
Sulfate	mg/L	3000	2680	2650
pH	s.u.	7.00	6.61	7.06
Solids, Total Dissolved TDS @ 180 C	mg/L	4890	5140	5000
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	0.52	0.50	0.55
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0398	0.0364	0.0399
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	ND(0.001)	ND(0.001)	ND(0.001)
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	1.3	1.2	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.4	0.6	
Lead 210	pCi/L	0.0	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L	1		
Radium 226	pCi/L	0.2	ND(0.2)	ND(0.2)
Radium 226 MDC	pCi/L	0.2		
Radium 226 precision (±)	pCi/L	0.1		
Radium 228	pCi/L	0.5	ND(1.0)	ND(1.0)
Radium 228 MDC	pCi/L	1.3		
Radium 228 precision (±)	pCi/L	0.8		
Thorium 230	pCi/L	-0.1	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.7		
A/C Balance (± 5)		2.63	0.855	-0.436
Anions		79.1	73.1	73.0
Cations		83.4	74.4	72.4
Solids, Total Dissolved Calculated		4990	4510	4460
TDS Balance (0.80 - 1.20)		0.980	1.14	1.12
Trihalomethanes, Total		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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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08010860-012
Client Sample ID EPA-28 Duplicate

Report Date: 04/01/08
Collection Date: 01/15/08 11:00
DateReceived: 01/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	688	mg/L		1		A2320 B	01/21/08 16:56 / bas
Calcium	517	mg/L	D	0.8		E200.7	02/01/08 16:22 / cp
Chloride	145	mg/L	D	4		E200.7	02/01/08 16:22 / cp
Magnesium	470	mg/L	D	0.8		E200.7	02/01/08 16:22 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	01/22/08 14:19 / jal
Nitrogen, Nitrate+Nitrite as N	28.1	mg/L	D	0.8		E353.2	01/23/08 14:03 / jal
Potassium	12.9	mg/L		0.5		E200.7	02/01/08 16:22 / cp
Sodium	219	mg/L	D	5		E200.7	02/01/08 16:22 / cp
Sulfate	2680	mg/L	D	2		E200.7	02/01/08 16:22 / cp
PHYSICAL PROPERTIES							
pH	6.61	s.u.		0.01		A4500-H B	01/19/08 10:42 / gg
Solids, Total Dissolved TDS @ 180 C	5140	mg/L		10		A2540 C	01/21/08 12:49 / dd
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	01/30/08 06:45 / sml
Beryllium	ND	mg/L		0.01		E200.8	02/04/08 17:55 / ts
Cadmium	ND	mg/L		0.005		E200.8	01/29/08 05:40 / ts
Cobalt	ND	mg/L		0.01		E200.8	01/29/08 05:40 / ts
Lead	ND	mg/L		0.05		E200.8	01/30/08 06:45 / sml
Manganese	0.50	mg/L		0.01		E200.8	01/29/08 05:40 / ts
Molybdenum	ND	mg/L		0.1		E200.8	01/30/08 06:45 / sml
Nickel	ND	mg/L		0.05		E200.8	01/29/08 05:40 / ts
Uranium	0.0364	mg/L		0.0003		E200.8	01/30/08 06:45 / sml
Vanadium	ND	mg/L		0.1		E200.8	01/29/08 05:40 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/24/08 16:39 / rw
Selenium-IV	ND	mg/L		0.001		A3114 B	01/21/08 12:57 / rw
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.2	pCi/L		1.0		E900.1	02/01/08 22:09 / crw
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	02/01/08 22:09 / crw
Lead 210	ND	pCi/L		1.0		E909.0M	01/24/08 09:00 / dm
Radium 226	ND	pCi/L		0.2		E903.0	02/03/08 23:01 / taj
Radium 228	ND	pCi/L		1.0		RA-05	01/28/08 14:02 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/24/08 16:00 / dmf
DATA QUALITY							
A/C Balance (± 5)	0.855	%				Calculation	02/11/08 17:35 / sw
Anions	73.1	meq/L				Calculation	02/11/08 17:35 / sw
Cations	74.4	meq/L				Calculation	02/11/08 17:35 / sw
Solids, Total Dissolved Calculated	4510	mg/L				Calculation	02/11/08 17:35 / sw
TDS Balance (0.80 - 1.20)	1.14	dec. %				Calculation	02/11/08 17:35 / sw

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08010860-012
Client Sample ID EPA-28 Duplicate

Report Date: 04/01/08
Collection Date: 01/15/08 11:00
DateReceived: 01/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	01/22/08 05:04 / jlr
Bromoform	ND	ug/L		0.50		E624	01/22/08 05:04 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	01/22/08 05:04 / jlr
Chloroform	ND	ug/L		0.50		E624	01/22/08 05:04 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	01/22/08 05:04 / jlr
Surr: 1,2-Dichlorobenzene-d4	102	%REC		80-120		E624	01/22/08 05:04 / jlr
Surr: Dibromofluoromethane	112	%REC		80-120		E624	01/22/08 05:04 / jlr
Surr: p-Bromofluorobenzene	98.0	%REC		80-120		E624	01/22/08 05:04 / jlr
Surr: Toluene-d8	97.0	%REC		80-120		E624	01/22/08 05:04 / jlr

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Alluvium
Lab ID: C08040580-013
Client Sample ID: EPA-28 Duplicate

Report Date: 06/10/08
Collection Date: 04/08/08 10:35
DateReceived: 04/11/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	632	mg/L		1		A2320 B	04/15/08 14:23 / ljl
Calcium	566	mg/L	D	1		E200.7	04/30/08 20:03 / cp
Chloride	114	mg/L		1		A4500-Cl B	04/17/08 16:48 / jl
Magnesium	535	mg/L	D	1		E200.7	04/30/08 20:03 / cp
Nitrogen, Ammonia as N	ND	mg/L	D	0.1		E350.1	04/22/08 14:25 / eli-b
Nitrogen, Nitrate+Nitrite as N	43.2	mg/L	D	0.2		E353.2	04/21/08 10:56 / eli-b
Potassium	12.2	mg/L	D	0.8		E200.7	04/30/08 20:03 / cp
Sodium	248	mg/L	D	1		E200.7	04/30/08 20:03 / cp
Sulfate	3000	mg/L	D	60		A4500-SO4 E	04/17/08 17:13 / ljl
PHYSICAL PROPERTIES							
pH	7.00	s.u.		0.01		A4500-H B	04/14/08 22:58 / dnp
Solids, Total Dissolved TDS @ 180 C	4890	mg/L		10		A2540 C	04/14/08 22:38 / dd
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	04/30/08 21:21 / sml
Beryllium	ND	mg/L		0.01		E200.8	04/30/08 21:21 / sml
Cadmium	ND	mg/L		0.005		E200.8	04/30/08 21:21 / sml
Cobalt	ND	mg/L		0.01		E200.8	04/30/08 21:21 / sml
Lead	ND	mg/L		0.05		E200.8	04/30/08 21:21 / sml
Manganese	0.52	mg/L		0.01		E200.8	04/30/08 21:21 / sml
Molybdenum	ND	mg/L		0.1		E200.8	04/30/08 21:21 / sml
Nickel	ND	mg/L		0.05		E200.8	04/30/08 21:21 / sml
Uranium	0.0398	mg/L		0.0003		E200.8	04/30/08 21:21 / sml
Vanadium	ND	mg/L		0.1		E200.8	04/30/08 21:21 / sml
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	04/24/08 13:00 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	04/16/08 10:26 / rw
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	1.3	pCi/L		1.0		E900.1	04/28/08 19:41 / crw
Gross Alpha minus Rn & U Precision (±)	0.4	pCi/L				E900.1	04/28/08 19:41 / crw
Lead 210	0.0	pCi/L	U	1.0		E909.0M	04/18/08 11:15 / dm
Lead 210 precision (±)	1	pCi/L				E909.0M	04/18/08 11:15 / dm
Radium 226	0.2	pCi/L				E903.0	05/07/08 09:41 / taj
Radium 226 precision (±)	0.1	pCi/L				E903.0	05/07/08 09:41 / taj
Radium 226 MDC	0.2	pCi/L				E903.0	05/07/08 09:41 / taj
Radium 228	0.5	pCi/L	U			RA-05	05/02/08 13:55 / plj
Radium 228 precision (±)	0.8	pCi/L				RA-05	05/02/08 13:55 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	05/02/08 13:55 / 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: C08040580-013
Client Sample ID: EPA-28 Duplicate

Report Date: 06/10/08
Collection Date: 04/08/08 10:35
DateReceived: 04/11/08
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	04/18/08 13:30 / dmf
Thorium 230 precision (±)	0.7	pCi/L				E907.0	04/18/08 13:30 / dmf
DATA QUALITY							
A/C Balance (± 5)	2.63	%				Calculation	06/02/08 13:34 / jc
Anions	79.1	meq/L				Calculation	06/02/08 13:34 / jc
Cations	83.4	meq/L				Calculation	06/02/08 13:34 / jc
Solids, Total Dissolved Calculated	4990	mg/L				Calculation	06/02/08 13:34 / jc
TDS Balance (0.80 - 1.20)	0.980	dec. %				Calculation	06/02/08 13:34 / jc
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	04/15/08 15:01 / jlr
Bromoform	ND	ug/L		0.50		E624	04/15/08 15:01 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/15/08 15:01 / jlr
Chloroform	ND	ug/L		0.50		E624	04/15/08 15:01 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/15/08 15:01 / jlr
Surr: 1,2-Dichlorobenzene-d4	100	%REC		80-120		E624	04/15/08 15:01 / jlr
Surr: Dibromofluoromethane	97.0	%REC		80-120		E624	04/15/08 15:01 / jlr
Surr: p-Bromofluorobenzene	94.0	%REC		80-120		E624	04/15/08 15:01 / jlr
Surr: Toluene-d8	99.0	%REC		80-120		E624	04/15/08 15:01 / 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: Zone 1 Monitor Wells					
Well ID:		EPA-2	EPA-2	EPA-2	EPA-2
Collection Date:		4/14/2008	1/21/2008	10/8/2007	7/16/2007
Receive Date:		4/18/2008	1/25/2008	10/12/2007	7/20/2007
Report Date:		6/9/2008	4/3/2008	12/4/2007	9/6/2007
Analyte	Units	C08040890-002	C08011079-004	C07100722-003	C07070944-004
Bicarbonate as HCO3	mg/L	335	291	287	340
Calcium	mg/L	369	333	344	352
Chloride	mg/L	18	31	20	20
Magnesium	mg/L	153	145	159	159
Nitrogen, Ammonia as N	mg/L	0.36	0.37	0.33	0.35
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	6.1	6.9	6.1	5.9
Sodium	mg/L	198	192	185	186
Sulfate	mg/L	1550	1480	1490	1440
pH	s.u.	7.16	6.99	7.39	7.10
Solids, Total Dissolved TDS @ 180 C	mg/L	2520	2580	2600	2540
Aluminum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Beryllium	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Cadmium	mg/L	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cobalt	mg/L	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	1.28	1.21	1.42	1.14
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	0.0013	0.0017	0.0012	0.0016
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.002	ND(0.001)	ND(0.001)	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	2.4	1.6	1.7	ND(1.0)
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.5	0.7	0.6	
Lead 210	pCi/L	-3.1	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L	2			
Radium 226	pCi/L	1.1	1.6	1.1	ND(0.2)
Radium 226 MDC	pCi/L	0.2			
Radium 226 precision (±)	pCi/L	0.2	0.5	0.5	
Radium 228	pCi/L	2.7	ND(1.0)	ND(1.0)	1.4
Radium 228 MDC	pCi/L	1.0			
Radium 228 precision (±)	pCi/L	0.7			0.9
Thorium 230	pCi/L	0.7	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.9			
Trihalomethanes, Total		ND(0.50)	ND(0.50)	0.91	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:		4/14/2008	1/21/2008	10/8/2007	7/16/2007
Receive Date:		4/18/2008	1/25/2008	10/12/2007	7/20/2007
Report Date:		6/9/2008	4/3/2008	12/4/2007	9/6/2007
Analyte	Units	C08040890-003	C08011079-005	C07100722-004	C07070944-005
Bicarbonate as HCO3	mg/L	329	346	348	334
Calcium	mg/L	358	327	350	355
Chloride	mg/L	18	26	20	20
Magnesium	mg/L	157	146	162	164
Nitrogen, Ammonia as N	mg/L	0.34	0.35	0.32	0.42
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	6.1	6.9	6.2	6.0
Sodium	mg/L	199	187	188	192
Sulfate	mg/L	1590	1490	1470	1510
pH	s.u.	6.94	6.88	7.15	6.83
Solids, Total Dissolved TDS @ 180 C	mg/L	2550	2520	2670	2510
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	1.26	1.23	1.39	1.28
Molybdenum	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Uranium	mg/L	0.0013	0.0018	0.0012	0.0015
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.001	ND(0.001)	ND(0.001)	0.002
Selenium-IV	mg/L	ND(0.001)	0.001	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	2.6	2.0	2.5	1.6
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.5	1.6	0.9	0.5
Lead 210	pCi/L	-0.1	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L	2			
Radium 226	pCi/L	1.3	0.5	1.4	0.7
Radium 226 MDC	pCi/L	0.2			
Radium 226 precision (±)	pCi/L	0.2	0.4	0.6	0.3
Radium 228	pCi/L	3.0	ND(1.0)	ND(1.0)	ND(1.0)
Radium 228 MDC	pCi/L	1.0			
Radium 228 precision (±)	pCi/L	0.7			
Thorium 230	pCi/L	0.7	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.9			
Trihalomethanes, Total		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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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08011079-005
Client Sample ID EPA-2 Duplicate

Report Date: 04/03/08
Collection Date: 01/21/08 13:07
DateReceived: 01/25/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	346	mg/L		1		A2320 B	01/28/08 19:55 / bas
Calcium	327	mg/L	D	0.8		E200.7	02/13/08 16:52 / cp
Chloride	26	mg/L	D	4		E200.7	02/13/08 16:52 / cp
Magnesium	146	mg/L		0.5		E200.7	02/13/08 21:09 / cp
Nitrogen, Ammonia as N	0.35	mg/L		0.05		A4500-NH3 G	01/28/08 11:50 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	01/29/08 11:54 / jal
Potassium	6.9	mg/L		0.5		E200.7	02/13/08 21:09 / cp
Sodium	187	mg/L		0.5		E200.7	02/13/08 21:09 / cp
Sulfate	1490	mg/L	D	2		E200.7	02/13/08 16:52 / cp
PHYSICAL PROPERTIES							
pH	6.88	s.u.		0.01		A4500-H B	01/28/08 15:22 / bas
Solids, Total Dissolved TDS @ 180 C	2520	mg/L		10		A2540 C	01/28/08 15:07 / dd
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.8	02/09/08 21:47 / ts
Beryllium	ND	mg/L		0.01		E200.8	02/09/08 21:47 / ts
Cadmium	ND	mg/L		0.005		E200.8	02/09/08 21:47 / ts
Cobalt	ND	mg/L		0.01		E200.8	02/09/08 21:47 / ts
Lead	ND	mg/L		0.05		E200.8	02/09/08 21:47 / ts
Manganese	1.23	mg/L		0.01		E200.8	02/09/08 21:47 / ts
Molybdenum	ND	mg/L		0.1		E200.8	02/09/08 21:47 / ts
Nickel	ND	mg/L		0.05		E200.8	02/09/08 21:47 / ts
Uranium	0.0018	mg/L		0.0003		E200.8	02/09/08 21:47 / ts
Vanadium	ND	mg/L		0.1		E200.8	02/09/08 21:47 / ts
METALS - SPECIATED							
Arsenic-III	ND	mg/L		0.001		A3114 B	01/30/08 15:43 / rw
Selenium-IV	0.001	mg/L		0.001		A3114 B	01/28/08 16:03 / rw
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	2.0	pCi/L		1.0		E900.1	02/06/08 17:41 / crw
Gross Alpha minus Rn & U Precision (±)	1.6	pCi/L				E900.1	02/06/08 17:41 / crw
Lead 210	ND	pCi/L		1.0		E909.0M	01/30/08 09:45 / dm
Radium 226	0.5	pCi/L		0.2		E903.0	02/06/08 09:54 / taj
Radium 226 precision (±)	0.4	pCi/L				E903.0	02/06/08 09:54 / taj
Radium 228	ND	pCi/L		1.0		RA-05	02/01/08 11:44 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/29/08 14:15 / dmf

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08011079-005
Client Sample ID EPA-2 Duplicate

Report Date: 04/03/08
Collection Date: 01/21/08 13:07
DateReceived: 01/25/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-0.799	%				Calculation	02/19/08 16:30 / sw
Anions	37.3	meq/L				Calculation	02/19/08 16:30 / sw
Cations	36.7	meq/L				Calculation	02/19/08 16:30 / sw
Solids, Total Dissolved Calculated	2350	mg/L				Calculation	02/19/08 16:30 / sw
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	02/19/08 16:30 / sw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	01/30/08 17:32 / dkh
Bromoform	ND	ug/L		0.50		E624	01/30/08 17:32 / dkh
Chlorodibromomethane	ND	ug/L		0.50		E624	01/30/08 17:32 / dkh
Chloroform	ND	ug/L		0.50		E624	01/30/08 17:32 / dkh
Trihalomethanes, Total	ND	ug/L		0.50		E624	01/30/08 17:32 / dkh
Surr: 1,2-Dichlorobenzene-d4	106	%REC		80-120		E624	01/30/08 17:32 / dkh
Surr: Dibromofluoromethane	124	%REC	S	80-120		E624	01/30/08 17:32 / dkh
Surr: p-Bromofluorobenzene	111	%REC		80-120		E624	01/30/08 17:32 / dkh
Surr: Toluene-d8	101	%REC		80-120		E624	01/30/08 17:32 / dkh

- S=Surrogate recovery outside QC advisory limits. Since the remainder of the QA is acceptable, the batch is approved.

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08040890-003
Client Sample ID: EPA-2 Duplicate

Report Date: 06/09/08
Collection Date: 04/14/08 11:45
DateReceived: 04/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	329	mg/L		1		A2320 B	04/24/08 12:17 / ljl
Calcium	358	mg/L		0.5		E200.7	05/08/08 18:22 / cp
Chloride	18	mg/L		1		A4500-Cl B	04/28/08 15:12 / ljl
Magnesium	157	mg/L		0.5		E200.7	05/08/08 18:22 / cp
Nitrogen, Ammonia as N	0.34	mg/L		0.05		E350.1	04/24/08 10:20 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/28/08 11:41 / eli-b
Potassium	6.1	mg/L		0.5		E200.7	05/08/08 18:22 / cp
Sodium	199	mg/L	D	3		E200.7	05/08/08 18:22 / cp
Sulfate	1590	mg/L	D	10		A4500-SO4 E	04/24/08 13:35 / jal
PHYSICAL PROPERTIES							
pH	6.94	s.u.		0.01		A4500-H B	04/22/08 16:14 / dd
Solids, Total Dissolved TDS @ 180 C	2550	mg/L		10		A2540 C	04/21/08 15:38 / dd
METALS - TOTAL							
Aluminum	ND	mg/L		0.1		E200.7	05/08/08 18:22 / cp
Beryllium	ND	mg/L		0.01		E200.7	05/08/08 18:22 / cp
Cadmium	ND	mg/L		0.005		E200.8	05/09/08 20:20 / sml
Cobalt	ND	mg/L		0.01		E200.8	05/16/08 14:14 / sml
Lead	ND	mg/L		0.05		E200.8	05/09/08 20:20 / sml
Manganese	1.26	mg/L		0.01		E200.7	05/08/08 18:22 / cp
Molybdenum	ND	mg/L		0.1		E200.7	05/08/08 18:22 / cp
Nickel	ND	mg/L		0.05		E200.8	05/16/08 14:14 / sml
Uranium	0.0013	mg/L		0.0003		E200.8	05/09/08 20:20 / sml
Vanadium	ND	mg/L		0.1		E200.8	05/09/08 20:20 / sml
METALS - SPECIATED							
Arsenic-III	0.001	mg/L		0.001		A3114 B	04/28/08 13:46 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	04/23/08 16:00 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	2.6	pCi/L		1.0		E900.1	04/28/08 16:13 / crw
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	04/28/08 16:13 / crw
Lead 210	-0.1	pCi/L	U	1.0		E909.0M	04/29/08 10:15 / dm
Lead 210 precision (±)	2	pCi/L				E909.0M	04/29/08 10:15 / dm
Radium 226	1.3	pCi/L				E903.0	05/14/08 13:38 / taj
Radium 226 precision (±)	0.2	pCi/L				E903.0	05/14/08 13:38 / taj
Radium 226 MDC	0.2	pCi/L				E903.0	05/14/08 13:38 / taj
Radium 228	3.0	pCi/L				RA-05	05/08/08 07:55 / plj
Radium 228 precision (±)	0.7	pCi/L				RA-05	05/08/08 07:55 / plj
Radium 228 MDC	1.0	pCi/L				RA-05	05/08/08 07:55 / 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: C08040890-003
Client Sample ID: EPA-2 Duplicate

Report Date: 06/09/08
Collection Date: 04/14/08 11:45
DateReceived: 04/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.7	pCi/L		0.2		E907.0	05/01/08 14:30 / dmf
Thorium 230 precision (±)	0.9	pCi/L				E907.0	05/01/08 14:30 / dmf
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	04/21/08 23:25 / jlr
Bromoform	ND	ug/L		0.50		E624	04/21/08 23:25 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/21/08 23:25 / jlr
Chloroform	ND	ug/L		0.50		E624	04/21/08 23:25 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/21/08 23:25 / jlr
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC		80-120		E624	04/21/08 23:25 / jlr
Surr: Dibromofluoromethane	101	%REC		80-120		E624	04/21/08 23:25 / jlr
Surr: p-Bromofluorobenzene	98.0	%REC		80-120		E624	04/21/08 23:25 / jlr
Surr: Toluene-d8	99.0	%REC		80-120		E624	04/21/08 23:25 / 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.

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 1
Lab ID: C08040890-003
Client Sample ID: EPA-2 Duplicate

Revised Date: 07/20/08
Report Date: 06/09/08
Collection Date: 04/14/08 11:45
DateReceived: 04/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	2.6	pCi/L		1.0		E900.1	04/28/08 16:13 / crw
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	04/28/08 16:13 / crw
Lead 210	-0.1	pCi/L	U	1.0		E909.0M	04/29/08 10:15 / dm
Lead 210 precision (±)	1.8	pCi/L				E909.0M	04/29/08 10:15 / dm
Radium 226	1.3	pCi/L				E903.0	05/14/08 13:38 / taj
Radium 226 precision (±)	0.2	pCi/L				E903.0	05/14/08 13:38 / taj
Radium 226 MDC	0.2	pCi/L				E903.0	05/14/08 13:38 / taj
Radium 228	3.0	pCi/L				RA-05	05/08/08 07:55 / plj
Radium 228 precision (±)	0.7	pCi/L				RA-05	05/08/08 07:55 / plj
Radium 228 MDC	1.0	pCi/L				RA-05	05/08/08 07:55 / plj
Thorium 230	0.7	pCi/L		0.2		E907.0	05/01/08 14:30 / dmf
Thorium 230 precision (±)	0.9	pCi/L				E907.0	05/01/08 14:30 / dmf

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: Zone 3 Monitor Wells					
Well ID:		711	711	711	711
Collection Date:		4/14/2008	1/21/2008	10/8/2007	7/16/2007
Receive Date:		4/18/2008	1/25/2008	10/12/2007	7/20/2007
Report Date:		6/9/2008	4/2/2008	12/4/2007	9/6/2007
Analyte	Units	C08040891-008	C08011074-003	C071007119-004	C07070953-003
Bicarbonate as HCO3	mg/L	ND(1)	ND(1)	ND(1)	ND(1)
Calcium	mg/L	479	460	489	490
Chloride	mg/L	15	23	18	16
Magnesium	mg/L	492	475	512	515
Nitrogen, Ammonia as N	mg/L	0.36	0.51	0.48	0.75
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Potassium	mg/L	10.7	12.1	11.2	10.1
Sodium	mg/L	98	98.6	100	94.2
Sulfate	mg/L	3470	3190	3470	3480
pH	s.u.	3.91	3.54	3.80	3.10
Solids, Total Dissolved TDS @ 180 C	mg/L	4770	4850	5090	4810
Aluminum	mg/L	0.5	0.4	0.4	0.5
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	0.38	0.38	0.40	0.39
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	6.59	6.34	7.09	6.00
Molybdenum	mg/L	0.2	0.2	0.1	0.1
Nickel	mg/L	0.35	0.35	0.34	0.37
Uranium	mg/L	0.0248	0.0241	0.0240	0.0268
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.01	0.045	0.03	0.05
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	8.4	9.1	7.7	6.8
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.8	1.0	1.2	0.8
Lead 210	pCi/L	0	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L	2	0		
Radium 226	pCi/L	4.0	7.0	3.9	5.1
Radium 226 MDC	pCi/L	0.1			
Radium 226 precision (±)	pCi/L	0.3	0.9	0.9	0.8
Radium 228	pCi/L	18.4	15.3	15.6	16.4
Radium 228 MDC	pCi/L	1.4			
Radium 228 precision (±)	pCi/L	1.5	1.4	2.4	1.2
Thorium 230	pCi/L	0.4	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.8			
Trihalomethanes, Total		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:		4/14/2008	1/21/2008	10/8/2007	7/16/2007
Receive Date:		4/18/2008	1/25/2008	10/12/2007	7/20/2007
Report Date:		6/9/2008	4/2/2008	12/4/2007	9/6/2007
Analyte	Units	C08040891-009	C08011074-004	C07100719-005	C07070953-004
Bicarbonate as HCO3	mg/L	5	4	6	ND(1)
Calcium	mg/L	482	464	486	485
Chloride	mg/L	15	22	18	16
Magnesium	mg/L	496	474	505	516
Nitrogen, Ammonia as N	mg/L	0.36	0.52	0.52	0.71
Nitrogen, Nitrate+Nitrite as N	mg/L	ND(0.1)	0.1	ND(0.1)	ND(0.1)
Potassium	mg/L	10.7	11.9	11.1	10.2
Sodium	mg/L	98	91.1	98.3	96.1
Sulfate	mg/L	3510	3220	3430	3510
pH	s.u.	4.68	4.73	4.91	4.33
Solids, Total Dissolved TDS @ 180 C	mg/L	4740	5030	5140	4980
Aluminum	mg/L	0.5	0.4	0.4	0.5
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	0.37	0.37	0.40	0.38
Lead	mg/L	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
Manganese	mg/L	6.76	6.24	7.06	6.07
Molybdenum	mg/L	0.2	0.1	0.1	0.1
Nickel	mg/L	0.35	0.34	0.34	0.35
Uranium	mg/L	0.0227	0.0224	0.0230	0.0248
Vanadium	mg/L	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
Arsenic-III	mg/L	0.01	0.038	0.03	0.04
Selenium-IV	mg/L	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
Gross Alpha minus Rn & U	pCi/L	8.1	8.2	7.6	6.1
Gross Alpha minus Rn & U Precision (±)	pCi/L	0.8	0.9	0.9	0.7
Lead 210	pCi/L	0	ND(1.0)	ND(1.0)	ND(1.0)
Lead 210 precision (±)	pCi/L	2			
Radium 226	pCi/L	4.0	7.4	3.5	5.3
Radium 226 MDC	pCi/L	0.1			
Radium 226 precision (±)	pCi/L	0.3	1.0	0.9	0.7
Radium 228	pCi/L	17.4	14.6	15.1	13.2
Radium 228 MDC	pCi/L	1.4			
Radium 228 precision (±)	pCi/L	1.4	1.4	2.4	1.2
Thorium 230	pCi/L	0.4	ND(0.2)	ND(0.2)	ND(0.2)
Thorium 230 precision (±)	pCi/L	0.6			
Trihalomethanes, Total		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: C08011074-004
Client Sample ID 711 Duplicate

Report Date: 04/02/08
Collection Date: 01/21/08 15:05
DateReceived: 01/25/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	4	mg/L		1		A2320 B	01/28/08 16:44 / bas
Calcium	464	mg/L	D	0.8		E200.7	02/13/08 14:29 / cp
Chloride	22	mg/L		1		E200.7	02/13/08 19:30 / cp
Magnesium	474	mg/L	D	0.8		E200.7	02/13/08 14:29 / cp
Nitrogen, Ammonia as N	0.52	mg/L		0.05		A4500-NH3 G	01/28/08 10:50 / jal
Nitrogen, Nitrate+Nitrite as N	0.1	mg/L		0.1		E353.2	01/29/08 10:42 / jal
Potassium	11.9	mg/L		0.5		E200.7	02/13/08 19:30 / cp
Sodium	91.1	mg/L		0.5		E200.7	02/13/08 19:30 / cp
Sulfate	3220	mg/L	D	2		E200.7	02/13/08 14:29 / cp
PHYSICAL PROPERTIES							
pH	4.73	s.u.	H	0.01		A4500-H B	01/29/08 10:57 / bas
Solids, Total Dissolved TDS @ 180 C	5030	mg/L		10		A2540 C	01/28/08 14:55 / dd
METALS - TOTAL							
Aluminum	0.4	mg/L		0.1		E200.8	02/07/08 22:28 / ts
Beryllium	ND	mg/L		0.01		E200.8	02/07/08 22:28 / ts
Cadmium	ND	mg/L		0.005		E200.8	02/07/08 22:28 / ts
Cobalt	0.37	mg/L		0.01		E200.8	02/07/08 22:28 / ts
Lead	ND	mg/L		0.05		E200.8	02/07/08 22:28 / ts
Manganese	6.24	mg/L		0.01		E200.8	02/07/08 22:28 / ts
Molybdenum	0.1	mg/L		0.1		E200.8	02/07/08 22:28 / ts
Nickel	0.34	mg/L		0.05		E200.8	02/07/08 22:28 / ts
Uranium	0.0224	mg/L		0.0003		E200.8	02/07/08 22:28 / ts
Vanadium	ND	mg/L		0.1		E200.8	02/07/08 22:28 / ts
METALS - SPECIATED							
Arsenic-III	0.038	mg/L		0.001		A3114 B	01/30/08 11:45 / rw
Selenium-IV	ND	mg/L		0.001		A3114 B	01/29/08 16:10 / rw
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	8.2	pCi/L		1.0		E900.1	02/11/08 12:36 / crw
Gross Alpha minus Rn & U Precision (±)	0.9	pCi/L				E900.1	02/11/08 12:36 / crw
Lead 210	ND	pCi/L		1.0		E909.0M	01/30/08 09:35 / dm
Radium 226	7.4	pCi/L		0.2		E903.0	02/05/08 12:03 / taj
Radium 226 precision (±)	1.0	pCi/L				E903.0	02/05/08 12:03 / taj
Radium 228	14.6	pCi/L		1.0		RA-05	01/31/08 11:25 / plj
Radium 228 precision (±)	1.4	pCi/L				RA-05	01/31/08 11:25 / plj
Thorium 230	ND	pCi/L		0.2		E907.0	01/29/08 13:00 / dmf

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08011074-004
Client Sample ID: 711 Duplicate

Report Date: 04/02/08
Collection Date: 01/21/08 15:05
DateReceived: 01/25/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-0.653	%				Calculation	02/21/08 09:54 / sw
Anions	67.8	meq/L				Calculation	02/21/08 09:54 / sw
Cations	66.9	meq/L				Calculation	02/21/08 09:54 / sw
Solids, Total Dissolved Calculated	4290	mg/L				Calculation	02/21/08 09:54 / sw
TDS Balance (0.80 - 1.20)	1.17	dec. %				Calculation	02/21/08 09:54 / sw
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	01/30/08 15:34 / jlr
Bromoform	ND	ug/L		0.50		E624	01/30/08 15:34 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	01/30/08 15:34 / jlr
Chloroform	ND	ug/L		0.50		E624	01/30/08 15:34 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	01/30/08 15:34 / jlr
Surr: 1,2-Dichlorobenzene-d4	103	%REC		80-120		E624	01/30/08 15:34 / jlr
Surr: Dibromofluoromethane	104	%REC		80-120		E624	01/30/08 15:34 / jlr
Surr: p-Bromofluorobenzene	100	%REC		80-120		E624	01/30/08 15:34 / jlr
Surr: Toluene-d8	102	%REC		80-120		E624	01/30/08 15:34 / jlr

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

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LABORATORY ANALYTICAL REPORT

Client: United Nuclear Corp
Project: Zone 3
Lab ID: C08040891-009
Client Sample ID: 711 Duplicate

Report Date: 06/09/08
Collection Date: 04/14/08 15:20
DateReceived: 04/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Bicarbonate as HCO3	5	mg/L		1		A2320 B	04/24/08 14:14 / ljl
Calcium	482	mg/L		0.5		E200.7	05/08/08 20:24 / cp
Chloride	15	mg/L		1		A4500-Cl B	04/29/08 12:59 / ljl
Magnesium	496	mg/L		0.5		E200.7	05/08/08 20:24 / cp
Nitrogen, Ammonia as N	0.36	mg/L		0.05		E350.1	04/25/08 10:48 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/28/08 11:31 / eli-b
Potassium	10.7	mg/L		0.5		E200.7	05/08/08 20:24 / cp
Sodium	98	mg/L	D	3		E200.7	05/08/08 20:24 / cp
Sulfate	3510	mg/L	D	30		A4500-SO4 E	04/24/08 14:30 / jal
PHYSICAL PROPERTIES							
pH	4.68	s.u.		0.01		A4500-H B	04/22/08 18:04 / dd
Solids, Total Dissolved TDS @ 180 C	4740	mg/L		10		A2540 C	04/21/08 18:31 / dd
METALS - TOTAL							
Aluminum	0.5	mg/L		0.1		E200.7	05/08/08 20:24 / cp
Beryllium	ND	mg/L		0.01		E200.7	05/08/08 20:24 / cp
Cadmium	ND	mg/L		0.005		E200.8	05/16/08 17:24 / sml
Cobalt	0.37	mg/L		0.01		E200.8	06/02/08 17:19 / sml
Lead	ND	mg/L		0.05		E200.8	05/16/08 17:24 / sml
Manganese	6.76	mg/L		0.01		E200.7	05/08/08 20:24 / cp
Molybdenum	0.2	mg/L		0.1		E200.7	05/08/08 20:24 / cp
Nickel	0.35	mg/L		0.05		E200.7	05/08/08 20:24 / cp
Uranium	0.0227	mg/L		0.0003		E200.8	05/16/08 17:24 / sml
Vanadium	ND	mg/L		0.1		E200.8	05/16/08 17:24 / sml
METALS - SPECIATED							
Arsenic-III	0.01	mg/L		0.001		A3114 B	05/01/08 13:29 / eli-h
Selenium-IV	ND	mg/L		0.001		A3114 B	04/30/08 12:10 / ae
RADIONUCLIDES - TOTAL							
Gross Alpha minus Rn & U	8.1	pCi/L		1.0		E900.1	05/12/08 12:49 / crw
Gross Alpha minus Rn & U Precision (±)	0.8	pCi/L				E900.1	05/12/08 12:49 / crw
Lead 210	0	pCi/L	U	1.0		E909.0M	04/29/08 10:15 / dm
Lead 210 precision (±)	2	pCi/L				E909.0M	04/29/08 10:15 / dm
Radium 226	4.0	pCi/L				E903.0	05/28/08 12:09 / trs
Radium 226 precision (±)	0.3	pCi/L				E903.0	05/28/08 12:09 / trs
Radium 226 MDC	0.1	pCi/L				E903.0	05/28/08 12:09 / trs
Radium 228	17.4	pCi/L				RA-05	05/09/08 13:07 / plj
Radium 228 precision (±)	1.4	pCi/L				RA-05	05/09/08 13:07 / plj
Radium 228 MDC	1.4	pCi/L				RA-05	05/09/08 13:07 / 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: C08040891-009
Client Sample ID: 711 Duplicate

Report Date: 06/09/08
Collection Date: 04/14/08 15:20
DateReceived: 04/18/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 230	0.4	pCi/L		0.2		E907.0	04/28/08 15:00 / dmf
Thorium 230 precision (±)	0.6	pCi/L				E907.0	04/28/08 15:00 / dmf
VOLATILE ORGANIC COMPOUNDS							
Bromodichloromethane	ND	ug/L		0.50		E624	04/22/08 23:42 / jlr
Bromoform	ND	ug/L		0.50		E624	04/22/08 23:42 / jlr
Chlorodibromomethane	ND	ug/L		0.50		E624	04/22/08 23:42 / jlr
Chloroform	ND	ug/L		0.50		E624	04/22/08 23:42 / jlr
Trihalomethanes, Total	ND	ug/L		0.50		E624	04/22/08 23:42 / jlr
Surr: 1,2-Dichlorobenzene-d4	94.0	%REC		80-120		E624	04/22/08 23:42 / jlr
Surr: Dibromofluoromethane	102	%REC		80-120		E624	04/22/08 23:42 / jlr
Surr: p-Bromofluorobenzene	92.0	%REC		80-120		E624	04/22/08 23:42 / jlr
Surr: Toluene-d8	99.0	%REC		80-120		E624	04/22/08 23:42 / 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.

APPENDIX - C

QUARTERLY

CHAIN OF CUSTODY REPORT

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

CHAIN OF CUSTODY

Energy Laboratories, Inc.
Laboratory

2393 N. Salt Creek Highway
Address

Casper WY 82601
City State Zip

307-235-0515
Phone No.

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

UNC Submittal No. TE-1-1-2008 (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	1-14-08	0927		✓	✓	✓	✓		M. CHISCHILLY	As, Be, Ca, Cd, Cl, HCO_3,
EPA-23		1002								K, Mg, Mn, Na, NH_3, Ni,
803		1033								NO_3, Pb, Pb-210, pH, Se,
808		1115								SO_4, TDS, Th-230, U, V,
802		1155								Chloroform, Gross
801		1345								Alpha (-) U & Rn,
GW-2		1420								Combined Ra-226 & Ra-228, Al,
GW-1	↓	1455								Co, Mo & Total Trihalomethanes (TTHMs)
624	1-15-08	0920						NA		
SBL-1		0956								
EPA-28		1033								
EPA-28 DUPLICATE		1100								
632		1130								
613		1205								C08010858
GW-3	↓	1335		↓	↓	↓	↓		↓	

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

Received by Mark Chischilly Jr.
1-16-08 1330
Date Time

1-14-08 @ 1230 & 1540
1-15-08 @ 1240 & 1540
Date Time

Lab Receipt Signature
1-18-08 9:15
Date Time

Grnd
2.6/ICE
CS - INTACT

The above analysis to be performed is authorized by:
Mark Chischilly Jr.
Signature
1-16-08
Date

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

2393 N. Salt Creek Highway
Address

Casper | WY | 82601
City | State | Zip

307-235-0515
Phone No.

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

UNC Submittal No. TE-1-1-2008 (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	1-15-08	1420		✓ MC	✓ MC	✓ MC	✓ MC		M. CHISCHILLY	As, Be, Ca, Cd, Cl, HCO_3,
627	1-15-08	1500		↓	↓	↓	↓		↓	K, Mg, Mn, Na, NH_3, Ni,
614	1-16-08	0900		↓	↓	↓	↓			NO_3, Pb, Pb-210, pH, Se,
515-A	1-16-08	1000		↓	↓	↓	↓			SO_4, TDS, Th-230, U, V,
604	1-16-08	1050		↓	↓	↓	↓			Chloroform, Gross
FIELD BLANK	1-16-08	1150		↓	↓	↓	↓		↓	Alpha (-) U & Rn,
										Combined Ra-226 & Ra-228, Al,
										Co, Mo & Total Trihalomethanes (TTHMs)
								N A		
										1080108558

Sampled by: Max Chischilly Jr. Received by Max Chischilly Jr. 1-15-08 @ 1540
1-16-08 @ 1150
Date Time

Dispatched by: Max Chischilly Jr. 1-16-08 1330
Date Time

Carrier: UPS- GROUND

4 ICED COOLER
Method of Shipment

Lab Receipt Signature

1-18-08 9:15
Date Time

Grnd
2.6/ICE
CS- INTACT

The above analysis to be performed is authorized by:

Max Chischilly Jr.
Signature

1-16-08
Date

Energy Laboratories Inc
Workorder Receipt Checklist

United Nuclear Corporation

C08010856

Login completed by: Edith McPike

Date and Time Received: 1/18/2008 9:15 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 ☐	2.6°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:

None

Energy Laboratories Inc
Workorder Receipt Checklist

C08010858

United Nuclear Corporation

Login completed by: Jennifer McVay

Date and Time Received: 1/18/2008 9:15 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 ☐	2.6°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:

None

Energy Laboratories Inc
Workorder Receipt Checklist

C08010860

United Nuclear Corporation

Login completed by: Edith McPike

Date and Time Received: 1/18/2008 9:15 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 ☐	2.6°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:

1 vial for sample EPA-23 received broken. Emc

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

CHAIN OF CUSTODY

Energy Laboratories, Inc.
Laboratory

2393 N. Salt Creek Highway
Address

Casper WY 82601
City State Zip

307-235-0515
Phone No.

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

UNC Submittal No. TE- 2-1-2008 (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-4	1-21-08	0917		✓ M	✓ M	✓ M	✓ M		M. CHISCHILLY	As, Be, Ca, Cd, Cl, HCO_3,
EPA-5		0955								K, Mg, Mn, Na, NH_3, Ni,
EPA-7		1050								NO_3, Pb, Pb-210, pH, Se,
EPA-2		1240								SO_4, TDS, Th-230, U, V,
EPA-2 DUPLICATE		1307								Chloroform, Gross
~~517~~		1333								Alpha (-) U & Rn,
~~708~~		1410								Combined Ra-226 & Ra-228, Al,
~~711~~		1440								Co, Mo & Total Trihalomethanes (TTHMs)
711-DUPLICATE		1505						NA		
~~EPA-13~~	1-22-08	0900								
~~719~~		0930								NOTE: See attached
~~420~~		1000								updated well list
~~EPA-14~~		1030								
~~717~~		1056								
~~NBL-2~~		1133								

Sampled by: Max Chischilly Jr.

Dispatched by: Max Chischilly Jr.

Carrier: UPS GROUND

5 ICED COOLER
Method of Shipment

Received by Max Chischilly Jr.
1-23-08 1330
Date Time

1-21-08 @ 1145 & 1530
1-22-08 @ 1210
Date Time

Lab Receipt Signature

1/25/08 900
Date Time

The above analysis to be performed is authorized by:

Signature

1-23-2008
Date

Cond Seals Intact
1.2°C

C08011074

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

2393 N. Salt Creek Highway
Address

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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-2-1-2008 (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)
TWQ-142	1-22-08	1300		✓	✓	✓	✓		M. CHISCHILLY	As, Be, Ca, Cd, Cl, HCO_3,
NBL-1	1-22-08	1330		↓	↓	↓	↓		↓	K, Mg, Mn, Na, NH_3, Ni,
PB-3	1-22-08	1400		↓	↓	↓	↓		↓	NO_3, Pb, Pb-210, pH, Se,
PB-2	1-22-08	1450		↓	↓	↓	↓		↓	SO_4, TDS, Th-230, U, V,
504-B	1-22-08	1511		↓	↓	↓	↓		↓	Chloroform, Gross
FIELD BLANK	1-22-08	1630		↓	↓	↓	↓		↓	Alpha (-) U & Rn,
RW-A	1-23-08	0905		↓	↓	↓	↓		↓	Combined Ra-226 & Ra-228, Al,
RW-H	1-23-08	0930		↓	↓	↓	↓		↓	Co, Mo & Total Trihalomethanes (TTHMs)
								N A		

Sampled by: Max Chischilly Jr.
Dispatched by: Mal Chischilly Jr.
Carrier: UPS GROUND
5 ICED COOLER
Method of Shipment

Received by Mal Chischilly Jr.
1-23-08 1330
Date Time

1-22-08 @ 1630
1-23-08 @ 1000
Date Time

Lab Receipt Signature

Date Time

The above analysis to be performed is authorized by:

Signature

1-23-2008
Date

C08011074

Energy Laboratories Inc
Workorder Receipt Checklist

C08011074

United Nuclear Corporation

Login completed by: Jennifer McVay

Date and Time Received: 1/25/2008 9:00 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 ☐	1.2°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

C08011079

United Nuclear Corporation

Login completed by: Jennifer McVay

Date and Time Received: 1/25/2008 9:00 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 ☐	1.2°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- 3-4-2008 (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	4-7-08	0915		✓ mc	✓ mc	✓ mc	✓ mc		M. CHISCHILLY	As, Be, Ca, Cd, Cl, HCO_3,
EPA-23		0955								K, Mg, Mn, Na, NH_4, Ni,
803		1030								NO_3, Pb, Pb-210, pH, Se,
808		1110								SO_4, TDS, Th-230, U, V,
802		1205								Chloroform, Gross
801		1350								Alpha (-) U & Rn,
GW-2		1445								Combined Ra-226 & Ra-228, Al,
GW-1		1530								Co, Mo & Total Trihalomethanes (TTHMs)
632		1610						NA		
624	4-8-08	0840								
SBL-1		0920								C08040580
EPA-28		1000								
EPA-28 DUPLICATE		1035								
613		1115								
GW-3		1255								

Sampled by: M. Chischilly Jr.

Dispatched by:

Carrier: UPS- Ground

6 ICED COOLER
Method of Shipment

Received by Ronald Lam
4-9-08 Date 12:45 pm Time

4-7-08 @ 1250 & 1700
4-8-8 @ 1200 & 1520
Date Time

Lab Receipt Signature

2-11-08 8:45
Date Time

The above analysis to be performed is authorized by:

M. Chischilly Jr.
Signature

4-9-08
Date

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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Address

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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-3-4-2008 (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	4-8-08	1345		✓	✓	✓	✓		M. CHISCHILLY	As, Be, Ca, Cd, Cl, HCO_3,
627	4-8-08	1435								K, Mg, Mn, Na, NH_4, Ni,
614	4-9-08	0830								NO_3, Pb, Pb-210, pH, Se,
604	4-9-08	0935								SO_4, TDS, Th-230, U, V,
515-A	4-9-08	1015								Chloroform, Gross
FIELD BLANK	4-9-08	1140								Alpha (-) U & Rn,
										Combined Ra-226 & Ra-228, Al,
										Co, Mo & Total Trihalomethanes (TTHMs)
								NA		
										C080406S0

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

Received by Ronell Lee
4-9-08 12:45pm
Date Time

4-8-08 @ 1520
4-9-08 @ 1140
Date Time
Lab Receipt Signature
4-11-08 8:45
Date Time

The above analysis to be performed is authorized by:
M. Chischilly Jr.
Signature
4-9-08
Date

Energy Laboratories Inc
Workorder Receipt Checklist

C08040580

United Nuclear Corporation

Login completed by: Jennifer McVay

Date and Time Received: 4/11/2008 8:45 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 ☐	4°C On Ice
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☑	Not Applicable ☐

Contact and Corrective Action Comments:

Sample preserved in lab with 2mls of HNO3 on 4/11/80.

Energy Laboratories Inc
Workorder Receipt Checklist

C08040582

United Nuclear Corporation

Login completed by: Jennifer McVay

Date and Time Received: 4/11/2008 8:45 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 ☐	4°C On Ice
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☑	Not Applicable ☐

Contact and Corrective Action Comments:

Samples split and preserved in lab with 2mls HNO3 on 4/11/08.

Energy Laboratories Inc
Workorder Receipt Checklist

United Nuclear Corporation

C08040584

Login completed by: Jennifer McVay

Date and Time Received: 4/11/2008 8:45 AM

Reviewed by: Corinne Wagner

Received by: jm

Reviewed Date: 4/17/2008 8:14:00 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 in compliance?	Yes ☑	No ☐	4°C On Ice
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☑	Not Applicable ☐

Contact and Corrective Action Comments:

Samples were split and preserved with 2mls HNO3 on 4/11/08.

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- 4-4-2008 (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-5	4-14-08	0920		✓	✓	✓	✓		M. CHISCHILLY	As, Be, Ca, Cd, Cl, HCO_3,
EPA-7		1005								K, Mg, Mn, Na, NH_4, Ni,
EPA-2		1115		Separate COC						NO_3, Pb, Pb-210, pH, Se,
EPA-2 DUPLICATE		1145								SO_4, TDS, Th-230, U, V,
EPA-4		1335								Chloroform, Gross
711		1450								Alpha (-) U & Rn,
711 DUPLICATE		1520								Combined Ra-226 & Ra-228, Al,
EPA-13	↓	1600								Co, Mo & Total Trihalomethanes (TTHMs)
719	4-15-08	0850						NA		
420		0920								
717		1000								
EPA-14		1035								
708		1115								
517		1150								
NBL-1	↓	1335		↓	↓	↓	↓		↓	

Sampled by: Mary Chischilly Jr.

Dispatched by: [signature]

Carrier: UPS - GROUND

5 ICED COOLER
Method of Shipment

Received by Ronald Lee
4-16-08 12:45
Date Time

4-14-08 @ 1230 & 1645
4-15-08 @ 1230 & 1630
Date Time

Lab Receipt Signature

4-18-08 9:30
Date Time

The above analysis to be performed is authorized by:

Mary Chischilly Jr.
Signature

4-16-08
Date

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

CHAIN OF CUSTODY

Energy Laboratories, Inc.
Laboratory

2393 N. Salt Creek Highway
Address

Casper WY 82601
City State Zip

307-235-0515
Phone No.

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

UNC Submittal No. TE- 4-4-2008 (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)
504-B	4-15-08	1500		✓ ✓	✓ ✓	✓ ✓	✓ ✓		M. CHISCHILLY	As, Be, Ca, Cd, Cl, HCO_3,
TWQ-142	4-16-08	0830		✓ ✓	✓ ✓	✓ ✓	✓ ✓		↓	K, Mg, Mn, Na, NH_4, Ni,
FIELD BLANK	4-16-08	1030		✓ ✓	✓ ✓	✓ ✓	✓ ✓			NO_3, Pb, Pb-210, pH, Se,
			separate COC							SO_4, TDS, Th-230, U, V,
										Chloroform, Gross
										Alpha (-) U & Rn,
										Combined Ra-226 & Ra-228, Al,
										Co, Mo & Total Trihalomethanes (TTHI
								N A		

Sampled by: Mac Chischilly Jr.

Dispatched by:

Carrier: UPS - GROUND

5 ICED COOLER
Method of Shipment

Received by Ronald L
4-16-08 12:45
Date Time

4-15-08 @ 1630
4-16-08 @ 1030
Date Time

Lab Receipt Signature

4/18/08 9:30
Date Time

The above analysis to be performed is authorized by:

Mac Chischilly Jr.
Signature

4-16-08
Date

Energy Laboratories Inc
Workorder Receipt Checklist

United Nuclear Corporation

C08040890

Login completed by: Kimberly Humiston

Date and Time Received: 4/18/2008 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 ☐	4°C On Ice
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

Energy Laboratories Inc
Workorder Receipt Checklist

United Nuclear Corporation

C08040891

Login completed by: Kimberly Humiston

Date and Time Received: 4/18/2008 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 ☐	4°C On Ice
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

APPENDIX – D (1 OF 2)

FIRST 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

Date: 08-Apr-08

CLIENT: United Nuclear Corp
Project: Alluvium
Sample Delivery Group: C08010860

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

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 screen 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.

PCB ANALYSIS USING 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: Alluvium

Report Date: 04/01/08
Work Order: C08010860

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: R95870
Sample ID: MBLK-1	Method Blank				Run: MANTECH_080120A				01/21/08 10:34
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_080120A				01/21/08 10:42
Alkalinity, Total as CaCO3	4830	mg/L	1.0	97	90	110			
Sample ID: C08010829-001AMS	Sample Matrix Spike				Run: MANTECH_080120A				01/21/08 11:04
Alkalinity, Total as CaCO3	342	mg/L	1.0	100	90	110			
Sample ID: C08010829-001AMSD	Sample Matrix Spike Duplicate				Run: MANTECH_080120A				01/21/08 11:13
Alkalinity, Total as CaCO3	342	mg/L	1.0	100	90	110	0.1	10	
Sample ID: C08010858-001CMS	Sample Matrix Spike				Run: MANTECH_080120A				01/21/08 13:24
Alkalinity, Total as CaCO3	1270	mg/L	1.0	80	90	110			S
Matrix spike outside of QC criteria due to matrix interference.									
Sample ID: C08010858-001CMSD	Sample Matrix Spike Duplicate				Run: MANTECH_080120A				01/21/08 13:35
Alkalinity, Total as CaCO3	1270	mg/L	1.0	78	90	110	0.2	10	S
Matrix spike duplicate outside of QC criteria due to matrix interference.									
Method: A2540 C									Batch: 080121_1_SLDS-TDS-W
Sample ID: MBLK1_080121	Method Blank				Run: BAL-1_080121C				01/21/08 12:33
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: LCS1_080121	Laboratory Control Sample				Run: BAL-1_080121C				01/21/08 12:33
Solids, Total Dissolved TDS @ 180 C	982	mg/L	10	98	90	110			
Sample ID: C08010860-004CMS	Sample Matrix Spike				Run: BAL-1_080121C				01/21/08 12:45
Solids, Total Dissolved TDS @ 180 C	10500	mg/L	10	100	90	110			
Sample ID: C08010860-004CMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080121C				01/21/08 12:46
Solids, Total Dissolved TDS @ 180 C	10600	mg/L	10	102	90	110	0.8	10	
Sample ID: C08010860-014CMS	Sample Matrix Spike				Run: BAL-1_080121C				01/21/08 12:49
Solids, Total Dissolved TDS @ 180 C	8520	mg/L	10	101	90	110			
Sample ID: C08010860-014CMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080121C				01/21/08 12:50
Solids, Total Dissolved TDS @ 180 C	8490	mg/L	10	100	90	110	0.4	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: Alluvium

Report Date: 04/01/08
Work Order: C08010860

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C								Batch: 080213_1_SLDS-TDS-W	
Sample ID: MBLK1_080213	Method Blank				Run: BAL-1_080213B			02/13/08 15:46	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: LCS1_080213	Laboratory Control Sample				Run: BAL-1_080213B			02/13/08 15:46	
Solids, Total Dissolved TDS @ 180 C	958	mg/L	10	96	90	110			
Sample ID: C08020412-003BMS	Sample Matrix Spike				Run: BAL-1_080213B			02/13/08 15:47	
Solids, Total Dissolved TDS @ 180 C	197000	mg/L	10	102	90	110			
Sample ID: C08020412-003BMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080213B			02/13/08 15:48	
Solids, Total Dissolved TDS @ 180 C	201000	mg/L	10	94	90	110	2.2	10	
Method: A4500-H B								Analytical Run: ORION555A_080119A	
Sample ID: ICV1_080119_1	Initial Calibration Verification Standard							01/19/08 09:54	
pH	6.86	s.u.	0.010	100	98	102			
Sample ID: CCV1_080119_1	Continuing Calibration Verification Standard							01/19/08 10:32	
pH	7.09	s.u.	0.010	101	98	102			
Method: A4500-H B								Batch: 080119_1_PH-W	
Sample ID: C08010860-001CDUP	Sample Duplicate				Run: ORION555A_080119A			01/19/08 10:18	
pH	6.42	s.u.	0.010				1.1	10	
Sample ID: C08010860-011CDUP	Sample Duplicate				Run: ORION555A_080119A			01/19/08 10:30	
pH	6.88	s.u.	0.010				0.7	10	
Sample ID: C08010860-001CDUP	Sample Duplicate				Run: ORION555A_080120A			01/19/08 10:18	
pH	6.42	s.u.	0.010				1.1	10	
Sample ID: C08010860-011CDUP	Sample Duplicate				Run: ORION555A_080120A			01/19/08 10:30	
pH	6.88	s.u.	0.010				0.7	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: 04/01/08
Work Order: C08010860

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G									Batch: R95912
Sample ID: MBLK-1	Method Blank				Run: TECHNICON_080122A				01/22/08 13:23
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LCS-2	Laboratory Control Sample				Run: TECHNICON_080122A				01/22/08 13:25
Nitrogen, Ammonia as N	19.3	mg/L	0.20	96	80	120			
Sample ID: C08010858-004AMS	Sample Matrix Spike				Run: TECHNICON_080122A				01/22/08 13:37
Nitrogen, Ammonia as N	2.06	mg/L	0.050	102	80	120			
Sample ID: C08010858-004AMSD	Sample Matrix Spike Duplicate				Run: TECHNICON_080122A				01/22/08 13:39
Nitrogen, Ammonia as N	2.15	mg/L	0.050	106	80	120	4.3	20	
Sample ID: C08010860-010AMS	Sample Matrix Spike				Run: TECHNICON_080122A				01/22/08 14:09
Nitrogen, Ammonia as N	2.38	mg/L	0.050	118	80	120			
Sample ID: C08010860-010AMSD	Sample Matrix Spike Duplicate				Run: TECHNICON_080122A				01/22/08 14:11
Nitrogen, Ammonia as N	2.32	mg/L	0.050	115	80	120	2.6	20	
Sample ID: C08010776-003BMS	Sample Matrix Spike				Run: TECHNICON_080122A				01/22/08 15:02
Nitrogen, Ammonia as N	2.10	mg/L	0.050	103	80	120			
Sample ID: C08010776-003BMSD	Sample Matrix Spike Duplicate				Run: TECHNICON_080122A				01/22/08 15:04
Nitrogen, Ammonia as N	2.06	mg/L	0.050	101	80	120	1.9	20	
Method: E353.2									Batch: R95983
Sample ID: MBLK-1	Method Blank				Run: TECHNICON_080123A				01/23/08 11:36
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: LCS-2	Laboratory Control Sample				Run: TECHNICON_080123A				01/23/08 11:39
Nitrogen, Nitrate+Nitrite as N	2.54	mg/L	0.10	102	90	110			
Sample ID: C08010950-001CMS	Sample Matrix Spike				Run: TECHNICON_080123A				01/23/08 13:31
Nitrogen, Nitrate+Nitrite as N	2.11	mg/L	0.10	105	90	110			
Sample ID: C08010950-001CMSD	Sample Matrix Spike Duplicate				Run: TECHNICON_080123A				01/23/08 13:33
Nitrogen, Nitrate+Nitrite as N	2.09	mg/L	0.10	104	90	110	1.0	10	
Sample ID: C08010920-001BMS	Sample Matrix Spike				Run: TECHNICON_080123A				01/23/08 14:08
Nitrogen, Nitrate+Nitrite as N	4.47	mg/L	0.10	99	90	110			
Sample ID: C08010920-001BMSD	Sample Matrix Spike Duplicate				Run: TECHNICON_080123A				01/23/08 14:11
Nitrogen, Nitrate+Nitrite as N	4.58	mg/L	0.10	105	90	110	2.4	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: 04/01/08
Work Order: C08010860

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R95873
Sample ID: 012108_LCS_2	Laboratory Control Sample				Run: SATURNCA_080121A				01/21/08 11:50
Bromodichloromethane	4.88	ug/L	1.0	98	70	130			
Bromoform	4.52	ug/L	1.0	90	70	130			
Chlorodibromomethane	4.52	ug/L	1.0	90	70	130			
Chloroform	4.80	ug/L	1.0	96	70	130			
Trihalomethanes, Total	18.7	ug/L	1.0	94	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	97	80	120			
Surr: Dibromofluoromethane			1.0	98	80	120			
Surr: p-Bromofluorobenzene			1.0	103	80	120			
Surr: Toluene-d8			1.0	103	80	120			
Sample ID: 012108_MBLK_5	Method Blank				Run: SATURNCA_080121A				01/21/08 13:48
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				100	80	120			
Surr: Dibromofluoromethane				108	80	120			
Surr: p-Bromofluorobenzene				97	80	120			
Surr: Toluene-d8				98	80	120			
Sample ID: C08010858-002EMS	Sample Matrix Spike				Run: SATURNCA_080121A				01/21/08 19:30
Bromodichloromethane	98.8	ug/L	5.0	99	70	130			
Bromoform	98.0	ug/L	5.0	98	70	130			
Chlorodibromomethane	94.4	ug/L	5.0	94	70	130			
Chloroform	336	ug/L	5.0	109	70	130			
Trihalomethanes, Total	627	ug/L	5.0	100	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	99	80	120			
Surr: Dibromofluoromethane			1.0	99	80	120			
Surr: p-Bromofluorobenzene			1.0	101	80	120			
Surr: Toluene-d8			1.0	102	80	120			
Sample ID: C08010858-002EMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_080121A				01/21/08 20:08
Bromodichloromethane	98.0	ug/L	5.0	98	70	130	0.8	20	
Bromoform	98.8	ug/L	5.0	99	70	130	0.8	20	
Chlorodibromomethane	96.0	ug/L	5.0	96	70	130	1.7	20	
Chloroform	306	ug/L	5.0	80	70	130	9.1	20	
Trihalomethanes, Total	599	ug/L	5.0	93	70	130	4.5	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	100	80	120	0.0	10	
Surr: Dibromofluoromethane			1.0	103	80	120	0.0	10	
Surr: p-Bromofluorobenzene			1.0	110	80	120	0.0	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: 04/01/08
Work Order: C08010860

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R95873
Sample ID: C08010858-002EMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_080121A				01/21/08 20:08
Surr: Toluene-d8			1.0	104	80	120	0.0	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: 04/01/08
Work Order: C08010860

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R95936
Sample ID: 012208_LCS_2	Laboratory Control Sample				Run: SATURNCA_080122B				01/22/08 10:40
Bromodichloromethane	4.84	ug/L	1.0	97	70	130			
Bromoform	4.48	ug/L	1.0	90	70	130			
Chlorodibromomethane	4.36	ug/L	1.0	87	70	130			
Chloroform	5.08	ug/L	1.0	102	70	130			
Trihalomethanes, Total	18.8	ug/L	1.0	94	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	98	80	120			
Surr: Dibromofluoromethane			1.0	102	80	120			
Surr: p-Bromofluorobenzene			1.0	98	80	120			
Surr: Toluene-d8			1.0	101	80	120			
Sample ID: 012208_MBLK_5	Method Blank				Run: SATURNCA_080122B				01/22/08 12:37
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				102	80	120			
Surr: p-Bromofluorobenzene				98	80	120			
Surr: Toluene-d8				95	80	120			
Sample ID: C08010860-016FMS	Sample Matrix Spike				Run: SATURNCA_080122B				01/22/08 21:36
Bromodichloromethane	92.4	ug/L	5.0	92	70	130			
Bromoform	93.6	ug/L	5.0	94	70	130			
Chlorodibromomethane	92.8	ug/L	5.0	93	70	130			
Chloroform	109	ug/L	5.0	109	70	130			
Trihalomethanes, Total	388	ug/L	5.0	97	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	103	80	120			
Surr: Dibromofluoromethane			1.0	101	80	120			
Surr: p-Bromofluorobenzene			1.0	100	80	120			
Surr: Toluene-d8			1.0	99	80	120			
Sample ID: C08010860-016FMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_080122B				01/22/08 22:14
Bromodichloromethane	90.8	ug/L	5.0	91	70	130	1.7	20	
Bromoform	93.2	ug/L	5.0	93	70	130	0.4	20	
Chlorodibromomethane	92.4	ug/L	5.0	92	70	130	0.4	20	
Chloroform	107	ug/L	5.0	107	70	130	1.5	20	
Trihalomethanes, Total	384	ug/L	5.0	96	70	130	1.0	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	104	80	120	0.0	10	
Surr: Dibromofluoromethane			1.0	102	80	120	0.0	10	
Surr: p-Bromofluorobenzene			1.0	103	80	120	0.0	10	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 04/01/08
Work Order: C08010860

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R95936
Sample ID: C08010860-016FMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_080122B				01/22/08 22:14
Surr: Toluene-d8			1.0	98	80	120	0.0	10	
Method: E900.1									Batch: GA-0097
Sample ID: LCS-GA-0097	Laboratory Control Sample				Run: G5000W_080129A				02/01/08 20:25
Gross Alpha minus Rn & U	21.8	pCi/L	1.0	103	70	130			
Sample ID: MB-GA-0097	Reagent Blank				Run: G5000W_080129A				02/01/08 20:25
Gross Alpha minus Rn & U	ND	pCi/L	1.0		0	0			
Sample ID: C08010860-002EMS	Sample Matrix Spike				Run: G5000W_080129A				02/01/08 20:25
Gross Alpha minus Rn & U	21.5	pCi/L	1.0	102	70	130			
Sample ID: C08010860-009EDUP	Sample Duplicate				Run: G5000W_080129A				02/01/08 20:25
Gross Alpha minus Rn & U	ND	pCi/L	1.0				0.0	224.9	
Method: E903.0									Batch: RA226-2577
Sample ID: C08010860-001EMS	Sample Matrix Spike				Run: TENNELEC-2_080123A				02/03/08 10:56
Radium 226	20	pCi/L	0.20	94	70	130			
Sample ID: C08010860-001EMSD	Sample Matrix Spike Duplicate				Run: TENNELEC-2_080123A				02/03/08 11:56
Radium 226	20	pCi/L	0.20	95	70	130	1.3	29.8	
Sample ID: MB-RA226-2577	Method Blank				Run: TENNELEC-2_080123A				02/04/08 05:03
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2577	Laboratory Control Sample				Run: TENNELEC-2_080123A				02/04/08 06:04
Radium 226	13	pCi/L	0.20	99	70	130			
Method: E907.0									Batch: R96415
Sample ID: LCS-R96415	Laboratory Control Sample				Run: EGG-ORTEC_080124A				01/24/08 16:00
Thorium 230	4.60	pCi/L	0.20	94	70	130			
Sample ID: C08010860-016EMS	Sample Matrix Spike				Run: EGG-ORTEC_080124A				01/24/08 16:00
Thorium 230	43.5	pCi/L	0.20	89	70	130			
Sample ID: C08010860-016EMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_080124A				01/24/08 16:00
Thorium 230	48.7	pCi/L	0.20	99	70	130	11	30	
Sample ID: MB-R96415	Method Blank				Run: EGG-ORTEC_080124A				01/24/08 16:00
Thorium 230	ND	pCi/L	0.2						

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 04/01/08
Work Order: C08010860

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: R96198
Sample ID: C08010860-008EMS	Sample Matrix Spike				Run: PACKARD 3100TR_080124B				01/24/08 09:00
Lead 210	260	pCi/L	1.0	89	70	130			
Sample ID: MB-R96198	Method Blank				Run: PACKARD 3100TR_080124B				01/24/08 09:00
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R96198	Laboratory Control Sample				Run: PACKARD 3100TR_080124B				01/24/08 09:00
Lead 210	140	pCi/L	1.0	119	70	130			
Sample ID: LCS2-R96198	Laboratory Control Sample Duplicate				Run: PACKARD 3100TR_080124B				01/24/08 09:00
Lead 210	96	pCi/L	1.0	80	70	130	39	30	R
- The RPD for the LCSD is high. The individual Spike recoveries are within range, the MB is acceptable, and the MS is within range, therefore the batch is approved.									
Method: RA-05									Batch: RA228-2003
Sample ID: LCS-228-RA226-2577	Laboratory Control Sample				Run: TENNELEC-3_080123A				01/28/08 12:14
Radium 228	21	pCi/L	1.0	104	70	130			
Sample ID: MB-RA226-2577	Method Blank				Run: TENNELEC-3_080123A				01/28/08 12:14
Radium 228	ND	pCi/L	1						
Sample ID: C08010860-013EMS	Sample Matrix Spike				Run: TENNELEC-3_080123A				01/28/08 12:14
Radium 228	39	pCi/L	1.0	115	70	130			
Sample ID: C08010860-013EMSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080123A				01/28/08 12:14
Radium 228	35	pCi/L	1.0	102	70	130	12	23.6	

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

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 04/01/08
Work Order: C08010860

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B									Batch: R96063
Sample ID: MBLK	Method Blank				Run: HPLC204-C_080124B				01/24/08 14:12
Arsenic-III	ND	ug/l	0.0006						
Sample ID: 288-3-6	Laboratory Control Sample				Run: HPLC204-C_080124B				01/24/08 14:20
Arsenic-III	52.2	ug/l	0.0010	104	90	110			
Sample ID: C08010860-001AMS	Sample Matrix Spike				Run: HPLC204-C_080124B				01/24/08 15:45
Arsenic-III	26.5	ug/l	0.0010	52	85	115			S
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									
Sample ID: C08010860-001AMSD	Sample Matrix Spike Duplicate				Run: HPLC204-C_080124B				01/24/08 15:52
Arsenic-III	24.5	ug/l	0.0010	48	85	115	7.9	10	S
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									
Sample ID: C08010860-011DMS	Sample Matrix Spike				Run: HPLC204-C_080124B				01/24/08 17:17
Arsenic-III	20.4	ug/l	0.0010	40	85	115			S
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									
Sample ID: C08010860-011DMSD	Sample Matrix Spike Duplicate				Run: HPLC204-C_080124B				01/24/08 17:25
Arsenic-III	23.8	ug/l	0.0010	46	85	115	15	10	SR
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									
Method: A3114 B									Batch: SEIV3114-080121B
Sample ID: MBLK	Method Blank				Run: CVAA-C202_080121B				01/21/08 12:09
Selenium-IV	ND	mg/L	0.0002						
Sample ID: 288-20-3	Laboratory Control Sample				Run: CVAA-C202_080121B				01/21/08 12:11
Selenium-IV	0.0517	mg/L	0.0010	103	90	110			
Sample ID: C08010858-001BMS	Sample Matrix Spike				Run: CVAA-C202_080121B				01/21/08 12:34
Selenium-IV	0.0496	mg/L	0.0010	95	85	115			
Sample ID: C08010858-001BMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_080121B				01/21/08 12:36
Selenium-IV	0.0513	mg/L	0.0010	99	85	115	3.3	10	
Sample ID: C08010860-007DMS	Sample Matrix Spike				Run: CVAA-C202_080121B				01/21/08 13:08
Selenium-IV	0.0446	mg/L	0.0010	87	85	115			
Sample ID: C08010860-007DMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_080121B				01/21/08 13:10
Selenium-IV	0.0475	mg/L	0.0010	93	85	115	6.3	10	

Qualifiers:

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

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 04/01/08
Work Order: C08010860

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R96586
Sample ID: LFB-Cl, SO4	Laboratory Fortified Blank				Run: ICP2-C_080201C				02/01/08 08:48
Chloride	24.8	mg/L	1.0	99	85	125			
Sulfate	23.9	mg/L	1.0	96	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: ICP2-C_080201C				02/01/08 08:54
Calcium	25.4	mg/L	0.50	102	85	125			
Magnesium	25.0	mg/L	0.50	100	85	125			
Potassium	26.3	mg/L	0.50	105	85	125			
Sodium	23.4	mg/L	0.76	94	85	125			
Sample ID: LRB	Laboratory Reagent Blank				Run: ICP2-C_080201C				02/01/08 09:01
Calcium	ND	mg/L	0.50		0	0			
Chloride	0.398	mg/L	1.0		0	0			
Magnesium	ND	mg/L	0.50		0	0			
Potassium	0.0528	mg/L	0.50		0	0			
Sodium	ND	mg/L	0.76		0	0			
Sulfate	ND	mg/L	1.0		0	0			
Sample ID: C08010858-001BMS	Sample Matrix Spike				Run: ICP2-C_080201C				02/01/08 11:15
Calcium	5220	mg/L	7.9	93	70	130			
Chloride	4770	mg/L	36	90	70	130			
Magnesium	5130	mg/L	8.0	91	70	130			
Potassium	11600	mg/L	4.4	96	70	130			
Sodium	4770	mg/L	53	86	70	130			
Sulfate	7090	mg/L	24	85	70	130			
Sample ID: C08010858-001BMSD	Sample Matrix Spike Duplicate				Run: ICP2-C_080201C				02/01/08 11:19
Calcium	5130	mg/L	7.9	91	70	130	1.7	20	
Chloride	4770	mg/L	36	90	70	130	0.1	20	
Magnesium	5050	mg/L	8.0	89	70	130	1.6	20	
Potassium	11600	mg/L	4.4	97	70	130	0.3	20	
Sodium	4760	mg/L	53	86	70	130	0.1	20	
Sulfate	6940	mg/L	24	82	70	130	2.1	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 04/01/08
Work Order: C08010860

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R96243
Sample ID: LRB	Method Blank				Run: ICPMS2-C_080128A				01/28/08 12:26
Beryllium	ND	mg/L	3E-05						
Cadmium	2E-05	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	5E-05	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS2-C_080128A				01/28/08 12:33
Beryllium	0.0536	mg/L	0.0010	107	85	115			
Cadmium	0.0532	mg/L	0.0010	106	85	115			
Cobalt	0.0522	mg/L	0.0010	104	85	115			
Lead	0.0528	mg/L	0.0010	103	85	115			
Manganese	0.0518	mg/L	0.0010	102	85	115			
Molybdenum	0.0536	mg/L	0.0010	106	85	115			
Nickel	0.0537	mg/L	0.0010	107	85	115			
Uranium	0.0542	mg/L	0.00030	106	85	115			
Vanadium	0.0523	mg/L	0.0010	96	85	115			
Sample ID: C08010860-005DMS	Sample Matrix Spike				Run: ICPMS2-C_080128A				01/29/08 04:19
Beryllium	0.455	mg/L	0.010	91	70	130			
Cadmium	0.490	mg/L	0.010	98	70	130			
Cobalt	0.485	mg/L	0.010	96	70	130			
Lead	0.492	mg/L	0.050	98	70	130			
Manganese	1.27	mg/L	0.010	93	70	130			
Molybdenum	0.540	mg/L	0.10	108	70	130			
Nickel	0.496	mg/L	0.050	97	70	130			
Uranium	0.621	mg/L	0.00040	124	70	130			
Vanadium	0.504	mg/L	0.10	100	70	130			
Sample ID: C08010860-005DMSD	Sample Matrix Spike Duplicate				Run: ICPMS2-C_080128A				01/29/08 04:26
Beryllium	0.432	mg/L	0.010	86	70	130	5.3	20	
Cadmium	0.490	mg/L	0.010	98	70	130	0.0	20	
Cobalt	0.474	mg/L	0.010	94	70	130	2.3	20	
Lead	0.504	mg/L	0.050	101	70	130	2.2	20	
Manganese	1.26	mg/L	0.010	92	70	130	0.3	20	
Molybdenum	0.525	mg/L	0.10	105	70	130	2.8	20	
Nickel	0.490	mg/L	0.050	96	70	130	1.3	20	
Uranium	0.624	mg/L	0.00040	125	70	130	0.6	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 04/01/08
Work Order: C08010860

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: R96243	
Sample ID: C08010860-005DMSD	Sample Matrix Spike Duplicate				Run: ICPMS2-C_080128A			01/29/08 04:26	
Vanadium	0.495	mg/L	0.10	99	70	130	1.8	20	
Sample ID: C08010860-015DMS	Sample Matrix Spike				Run: ICPMS2-C_080128A			01/29/08 06:08	
Cadmium	0.258	mg/L	0.010	103	70	130			
Cobalt	0.249	mg/L	0.010	98	70	130			
Lead	0.249	mg/L	0.050	99	70	130			
Manganese	2.27	mg/L	0.010		70	130			A
Nickel	0.258	mg/L	0.050	99	70	130			
Vanadium	0.240	mg/L	0.10	96	70	130			
Sample ID: C08010860-015DMSD	Sample Matrix Spike Duplicate				Run: ICPMS2-C_080128A			01/29/08 06:42	
Cadmium	0.241	mg/L	0.010	96	70	130	6.7	20	
Cobalt	0.239	mg/L	0.010	95	70	130	3.8	20	
Manganese	2.19	mg/L	0.010		70	130	3.8	20	A
Nickel	0.247	mg/L	0.050	95	70	130	4.4	20	
Vanadium	0.237	mg/L	0.10	94	70	130	1.1	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: Alluvium

Report Date: 04/01/08
Work Order: C08010860

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R96302
Sample ID: LRB	Method Blank				Run: ICPMS1-C_080129A				01/29/08 14:15
Aluminum	ND	mg/L	0.0002						
Cadmium	ND	mg/L	0.0002						
Cobalt	ND	mg/L	3E-05						
Lead	ND	mg/L	2E-05						
Manganese	ND	mg/L	3E-05						
Molybdenum	0.0007	mg/L	7E-05						
Nickel	ND	mg/L	8E-05						
Uranium	ND	mg/L	4E-05						
Vanadium	ND	mg/L	9E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS1-C_080129A				01/29/08 14:22
Aluminum	0.0476	mg/L	0.0010	95	85	115			
Cadmium	0.0498	mg/L	0.0010	100	85	115			
Cobalt	0.0492	mg/L	0.0010	98	85	115			
Lead	0.0503	mg/L	0.0010	101	85	115			
Manganese	0.0497	mg/L	0.0010	99	85	115			
Molybdenum	0.0510	mg/L	0.0010	101	85	115			
Nickel	0.0497	mg/L	0.0010	99	85	115			
Uranium	0.0497	mg/L	0.00030	99	85	115			
Vanadium	0.0508	mg/L	0.0010	102	85	115			
Sample ID: C08010860-005DMS4	Post Digestion Spike				Run: ICPMS1-C_080129A				01/30/08 05:15
Aluminum	0.452	mg/L	0.10	90	70	130			
Cadmium	0.494	mg/L	0.010	97	70	130			
Cobalt	0.483	mg/L	0.010	96	70	130			
Lead	0.502	mg/L	0.050	100	70	130			
Manganese	1.29	mg/L	0.010	96	70	130			
Molybdenum	0.550	mg/L	0.10	109	70	130			
Nickel	0.501	mg/L	0.050	97	70	130			
Uranium	0.625	mg/L	0.00038	99	70	130			
Vanadium	0.523	mg/L	0.10	104	70	130			
Sample ID: C08010860-005DMSD4	Post Digestion Spike Duplicate				Run: ICPMS1-C_080129A				01/30/08 05:45
Aluminum	0.462	mg/L	0.10	92	70	130	2.2	20	
Cadmium	0.476	mg/L	0.010	94	70	130	3.5	20	
Cobalt	0.480	mg/L	0.010	96	70	130	0.6	20	
Lead	0.506	mg/L	0.050	101	70	130	0.8	20	
Manganese	1.27	mg/L	0.010	92	70	130	1.5	20	
Molybdenum	0.552	mg/L	0.10	110	70	130	0.3	20	
Nickel	0.499	mg/L	0.050	97	70	130	0.4	20	
Uranium	0.635	mg/L	0.00038	101	70	130	1.5	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 04/01/08
Work Order: C08010860

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: R96302	
Sample ID: C08010860-005DMSD4	Post Digestion Spike Duplicate				Run: ICPMS1-C_080129A			01/30/08 05:45	
Vanadium	0.509	mg/L	0.10	101	70	130	2.8	20	
Sample ID: C08010860-015DMS4	Post Digestion Spike				Run: ICPMS1-C_080129A			01/30/08 07:45	
Aluminum	0.264	mg/L	0.10	105	70	130			
Cadmium	0.235	mg/L	0.010	94	70	130			
Cobalt	0.258	mg/L	0.010	102	70	130			
Lead	0.252	mg/L	0.050	101	70	130			
Manganese	2.45	mg/L	0.010		70	130			A
Molybdenum	0.255	mg/L	0.10	101	70	130			
Nickel	0.256	mg/L	0.050	102	70	130			
Uranium	0.383	mg/L	0.00030	112	70	130			
Vanadium	0.255	mg/L	0.10	102	70	130			
Sample ID: C08010860-015DMSD4	Post Digestion Spike Duplicate				Run: ICPMS1-C_080129A			01/30/08 07:52	
Aluminum	0.239	mg/L	0.10	96	70	130	9.8	20	
Cadmium	0.242	mg/L	0.010	97	70	130	2.9	20	
Cobalt	0.253	mg/L	0.010	100	70	130	1.8	20	
Lead	0.255	mg/L	0.050	102	70	130	1.2	20	
Manganese	2.44	mg/L	0.010		70	130	0.7	20	A
Molybdenum	0.256	mg/L	0.10	101	70	130	0.5	20	
Nickel	0.253	mg/L	0.050	101	70	130	1.3	20	
Uranium	0.375	mg/L	0.00030	109	70	130	2.1	20	
Vanadium	0.258	mg/L	0.10	103	70	130	1.2	20	
Method: E200.8								Batch: R96547	
Sample ID: LRB	Method Blank				Run: ICPMS2-C_080204A			02/04/08 14:31	
Beryllium	ND	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS2-C_080204A			02/04/08 14:37	
Beryllium	0.0563	mg/L	0.0010	94	85	115			
Sample ID: C08011210-001DMS4	Post Digestion Spike				Run: ICPMS2-C_080204A			02/04/08 20:58	
Beryllium	0.536	mg/L	0.010	107	70	130			
Sample ID: C08011210-001DMSD4	Post Digestion Spike Duplicate				Run: ICPMS2-C_080204A			02/04/08 21:05	
Beryllium	0.542	mg/L	0.010	108	70	130	1.3	20	

Qualifiers:

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ND - Not detected at the reporting limit.

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

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Date: 08-Apr-08

CLIENT: United Nuclear Corp
Project: Zone 1
Sample Delivery Group: C08010858

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

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 screen 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.

PCB ANALYSIS USING 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: 03/28/08
Work Order: C08010858

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: R95870
Sample ID: MBLK-1	Method Blank				Run: MANTECH_080120A				01/21/08 10:34
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_080120A				01/21/08 10:42
Alkalinity, Total as CaCO3	4830	mg/L	1.0	97	90	110			
Sample ID: C08010829-001AMS	Sample Matrix Spike				Run: MANTECH_080120A				01/21/08 11:04
Alkalinity, Total as CaCO3	342	mg/L	1.0	100	90	110			
Sample ID: C08010829-001AMSD	Sample Matrix Spike Duplicate				Run: MANTECH_080120A				01/21/08 11:13
Alkalinity, Total as CaCO3	342	mg/L	1.0	100	90	110	0.1	10	
Method: A2540 C									Batch: 080121_1_SLDS-TDS-W
Sample ID: MBLK1_080121	Method Blank				Run: BAL-1_080121C				01/21/08 12:33
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: LCS1_080121	Laboratory Control Sample				Run: BAL-1_080121C				01/21/08 12:33
Solids, Total Dissolved TDS @ 180 C	982	mg/L	10	98	90	110			
Sample ID: C08010854-001AMS	Sample Matrix Spike				Run: BAL-1_080121C				01/21/08 12:39
Solids, Total Dissolved TDS @ 180 C	2730	mg/L	10	100	90	110			
Sample ID: C08010854-001AMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080121C				01/21/08 12:39
Solids, Total Dissolved TDS @ 180 C	2800	mg/L	10	103	90	110	2.5	10	
Sample ID: C08010860-004CMS	Sample Matrix Spike				Run: BAL-1_080121C				01/21/08 12:45
Solids, Total Dissolved TDS @ 180 C	10500	mg/L	10	100	90	110			
Sample ID: C08010860-004CMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080121C				01/21/08 12:46
Solids, Total Dissolved TDS @ 180 C	10600	mg/L	10	102	90	110	0.8	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 03/28/08
Work Order: C08010858

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: SEIV3114-080121B	
Sample ID: MBLK	Method Blank				Run: CVAA-C202_080121B			01/21/08 12:09	
Selenium-IV	ND	mg/L	0.0002						
Sample ID: 288-20-3	Laboratory Control Sample				Run: CVAA-C202_080121B			01/21/08 12:11	
Selenium-IV	0.0517	mg/L	0.0010	103	90	110			
Sample ID: C08010858-001BMS	Sample Matrix Spike				Run: CVAA-C202_080121B			01/21/08 12:34	
Selenium-IV	0.0496	mg/L	0.0010	95	85	115			
Sample ID: C08010858-001BMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_080121B			01/21/08 12:36	
Selenium-IV	0.0513	mg/L	0.0010	99	85	115	3.3	10	
Method: A4500-H B								Analytical Run: ORION555A_080119A	
Sample ID: ICV1_080119_1	Initial Calibration Verification Standard							01/19/08 09:54	
pH	6.86	s.u.	0.010	100	98	102			
Method: A4500-H B								Batch: 080119_1_PH-W	
Sample ID: C08010860-001CDUP	Sample Duplicate				Run: ORION555A_080119A			01/19/08 10:18	
pH	6.42	s.u.	0.010				1.1	10	
Method: A4500-NH3 G								Batch: R95912	
Sample ID: MBLK-1	Method Blank				Run: TECHNICON_080122A			01/22/08 13:23	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LCS-2	Laboratory Control Sample				Run: TECHNICON_080122A			01/22/08 13:25	
Nitrogen, Ammonia as N	19.3	mg/L	0.20	96	80	120			
Sample ID: C08010858-004AMS	Sample Matrix Spike				Run: TECHNICON_080122A			01/22/08 13:37	
Nitrogen, Ammonia as N	2.06	mg/L	0.050	102	80	120			
Sample ID: C08010858-004AMSD	Sample Matrix Spike Duplicate				Run: TECHNICON_080122A			01/22/08 13:39	
Nitrogen, Ammonia as N	2.15	mg/L	0.050	106	80	120	4.3	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 03/28/08
Work Order: C08010858

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E1632AM									Batch: R96060
Sample ID: MBLK	Method Blank				Run: HPLC204-C_080124A				01/24/08 11:19
Arsenic-III	ND	ug/L	0.3						
Sample ID: 288-3-6	Laboratory Control Sample				Run: HPLC204-C_080124A				01/24/08 11:27
Arsenic-III	50	ug/L	1.0	99	80	120			
Sample ID: C08010906-001AMS	Sample Matrix Spike				Run: HPLC204-C_080124A				01/24/08 12:21
Arsenic-III	48	ug/L	1.0	95	80	120			
Sample ID: C08010906-001AMSD	Sample Matrix Spike Duplicate				Run: HPLC204-C_080124A				01/24/08 12:29
Arsenic-III	47	ug/L	1.0	93	80	120	2.0	20	

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QA/QC Summary Report

Client: United Nuclear Corp
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Report Date: 03/28/08
Work Order: C08010858

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R96586
Sample ID: LFB-Cl, SO4	Laboratory Fortified Blank				Run: ICP2-C_080201C				02/01/08 08:48
Chloride	24.8	mg/L	1.0	99	85	125			
Sulfate	23.9	mg/L	1.0	96	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: ICP2-C_080201C				02/01/08 08:54
Calcium	25.4	mg/L	0.50	102	85	125			
Magnesium	25.0	mg/L	0.50	100	85	125			
Potassium	26.3	mg/L	0.50	105	85	125			
Sodium	23.4	mg/L	0.76	94	85	125			
Sample ID: LRB	Laboratory Reagent Blank				Run: ICP2-C_080201C				02/01/08 09:01
Calcium	ND	mg/L	0.50		0	0			
Chloride	0.398	mg/L	1.0		0	0			
Magnesium	ND	mg/L	0.50		0	0			
Potassium	0.0528	mg/L	0.50		0	0			
Sodium	ND	mg/L	0.76		0	0			
Sulfate	ND	mg/L	1.0		0	0			
Sample ID: C08010858-001BMS	Sample Matrix Spike				Run: ICP2-C_080201C				02/01/08 11:15
Calcium	5220	mg/L	7.9	93	70	130			
Chloride	4770	mg/L	36	90	70	130			
Magnesium	5130	mg/L	8.0	91	70	130			
Potassium	11600	mg/L	4.4	96	70	130			
Sodium	4770	mg/L	53	86	70	130			
Sulfate	7090	mg/L	24	85	70	130			
Sample ID: C08010858-001BMSD	Sample Matrix Spike Duplicate				Run: ICP2-C_080201C				02/01/08 11:19
Calcium	5130	mg/L	7.9	91	70	130	1.7	20	
Chloride	4770	mg/L	36	90	70	130	0.1	20	
Magnesium	5050	mg/L	8.0	89	70	130	1.6	20	
Potassium	11600	mg/L	4.4	97	70	130	0.3	20	
Sodium	4760	mg/L	53	86	70	130	0.1	20	
Sulfate	6940	mg/L	24	82	70	130	2.1	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 03/28/08
Work Order: C08010858

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R96243
Sample ID: LRB	Method Blank				Run: ICPMS2-C_080128A				01/28/08 12:26
Beryllium	ND	mg/L	3E-05						
Cadmium	2E-05	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	5E-05	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS2-C_080128A				01/28/08 12:33
Beryllium	0.0536	mg/L	0.0010	107	85	115			
Cadmium	0.0532	mg/L	0.0010	106	85	115			
Cobalt	0.0522	mg/L	0.0010	104	85	115			
Lead	0.0528	mg/L	0.0010	103	85	115			
Manganese	0.0518	mg/L	0.0010	102	85	115			
Molybdenum	0.0536	mg/L	0.0010	106	85	115			
Nickel	0.0537	mg/L	0.0010	107	85	115			
Uranium	0.0542	mg/L	0.00030	106	85	115			
Vanadium	0.0523	mg/L	0.0010	96	85	115			
Sample ID: C08010860-005DMS	Sample Matrix Spike				Run: ICPMS2-C_080128A				01/29/08 04:19
Beryllium	0.455	mg/L	0.010	91	70	130			
Cadmium	0.490	mg/L	0.010	98	70	130			
Cobalt	0.485	mg/L	0.010	96	70	130			
Lead	0.492	mg/L	0.050	98	70	130			
Manganese	1.27	mg/L	0.010	93	70	130			
Molybdenum	0.540	mg/L	0.10	108	70	130			
Nickel	0.496	mg/L	0.050	97	70	130			
Uranium	0.621	mg/L	0.00040	124	70	130			
Vanadium	0.504	mg/L	0.10	100	70	130			
Sample ID: C08010860-005DMSD	Sample Matrix Spike Duplicate				Run: ICPMS2-C_080128A				01/29/08 04:26
Beryllium	0.432	mg/L	0.010	86	70	130	5.3	20	
Cadmium	0.490	mg/L	0.010	98	70	130	0.0	20	
Cobalt	0.474	mg/L	0.010	94	70	130	2.3	20	
Lead	0.504	mg/L	0.050	101	70	130	2.2	20	
Manganese	1.26	mg/L	0.010	92	70	130	0.3	20	
Molybdenum	0.525	mg/L	0.10	105	70	130	2.8	20	
Nickel	0.490	mg/L	0.050	96	70	130	1.3	20	
Uranium	0.624	mg/L	0.00040	125	70	130	0.6	20	

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QA/QC Summary Report

Client: United Nuclear Corp
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Report Date: 03/28/08
Work Order: C08010858

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R96243
Sample ID: C08010860-005DMSD	Sample Matrix Spike Duplicate				Run: ICPMS2-C_080128A				01/29/08 04:26
Vanadium	0.495	mg/L	0.10	99	70	130	1.8	20	
Method: E200.8									Batch: R96302
Sample ID: LRB	Method Blank				Run: ICPMS1-C_080129A				01/29/08 14:15
Aluminum	ND	mg/L	0.0002						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS1-C_080129A				01/29/08 14:22
Aluminum	0.0476	mg/L	0.0010	95	85	115			
Sample ID: C08010860-005DMS4	Post Digestion Spike				Run: ICPMS1-C_080129A				01/30/08 05:15
Aluminum	0.452	mg/L	0.10	90	70	130			
Sample ID: C08010860-005DMSD4	Post Digestion Spike Duplicate				Run: ICPMS1-C_080129A				01/30/08 05:45
Aluminum	0.462	mg/L	0.10	92	70	130	2.2	20	
Method: E353.2									Batch: R95983
Sample ID: MBLK-1	Method Blank				Run: TECHNICON_080123A				01/23/08 11:36
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: LCS-2	Laboratory Control Sample				Run: TECHNICON_080123A				01/23/08 11:39
Nitrogen, Nitrate+Nitrite as N	2.54	mg/L	0.10	102	90	110			
Sample ID: C08010842-001CMS	Sample Matrix Spike				Run: TECHNICON_080123A				01/23/08 12:51
Nitrogen, Nitrate+Nitrite as N	2.15	mg/L	0.10	107	90	110			
Sample ID: C08010842-001CMSD	Sample Matrix Spike Duplicate				Run: TECHNICON_080123A				01/23/08 12:53
Nitrogen, Nitrate+Nitrite as N	2.13	mg/L	0.10	106	90	110	0.9	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 03/28/08
Work Order: C08010858

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R95873
Sample ID: 012108_LCS_2	Laboratory Control Sample				Run: SATURNCA_080121A				01/21/08 11:50
Bromodichloromethane	4.88	ug/L	1.0	98	70	130			
Bromoform	4.52	ug/L	1.0	90	70	130			
Chlorodibromomethane	4.52	ug/L	1.0	90	70	130			
Chloroform	4.80	ug/L	1.0	96	70	130			
Trihalomethanes, Total	18.7	ug/L	1.0	94	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	97	80	120			
Surr: Dibromofluoromethane			1.0	98	80	120			
Surr: p-Bromofluorobenzene			1.0	103	80	120			
Surr: Toluene-d8			1.0	103	80	120			
Sample ID: 012108_MBLK_5	Method Blank				Run: SATURNCA_080121A				01/21/08 13:48
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				100	80	120			
Surr: Dibromofluoromethane				108	80	120			
Surr: p-Bromofluorobenzene				97	80	120			
Surr: Toluene-d8				98	80	120			
Sample ID: C08010858-002EMS	Sample Matrix Spike				Run: SATURNCA_080121A				01/21/08 19:30
Bromodichloromethane	98.8	ug/L	5.0	99	70	130			
Bromoform	98.0	ug/L	5.0	98	70	130			
Chlorodibromomethane	94.4	ug/L	5.0	94	70	130			
Chloroform	336	ug/L	5.0	109	70	130			
Trihalomethanes, Total	627	ug/L	5.0	100	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	99	80	120			
Surr: Dibromofluoromethane			1.0	99	80	120			
Surr: p-Bromofluorobenzene			1.0	101	80	120			
Surr: Toluene-d8			1.0	102	80	120			
Sample ID: C08010858-002EMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_080121A				01/21/08 20:08
Bromodichloromethane	98.0	ug/L	5.0	98	70	130	0.8	20	
Bromoform	98.8	ug/L	5.0	99	70	130	0.8	20	
Chlorodibromomethane	96.0	ug/L	5.0	96	70	130	1.7	20	
Chloroform	306	ug/L	5.0	80	70	130	9.1	20	
Trihalomethanes, Total	599	ug/L	5.0	93	70	130	4.5	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	100	80	120	0.0	10	
Surr: Dibromofluoromethane			1.0	103	80	120	0.0	10	
Surr: p-Bromofluorobenzene			1.0	110	80	120	0.0	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 03/28/08
Work Order: C08010858

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R95873
Sample ID: C08010858-002EMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_080121A				01/21/08 20:08
Surr: Toluene-d8			1.0	104	80	120	0.0	10	
Method: E900.1									Batch: GA-0095
Sample ID: LCS-GA-0095	Laboratory Control Sample				Run: BERTHOLD 770_080121A				01/23/08 15:58
Gross Alpha minus Rn & U	22.2	pCi/L	1.0	105	70	130			
Sample ID: MB-GA-0095	Reagent Blank				Run: BERTHOLD 770_080121A				01/23/08 15:58
Gross Alpha minus Rn & U	ND	pCi/L	1.0		0	0			
Sample ID: C08010789-001EMS	Sample Matrix Spike				Run: BERTHOLD 770_080121A				01/23/08 15:58
Gross Alpha minus Rn & U	22.7	pCi/L	1.0	94	70	130			
Sample ID: C08010789-001EMSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080121A				01/23/08 15:58
Gross Alpha minus Rn & U	22.9	pCi/L	1.0	94	70	130	0.5	27.7	
Method: E900.1									Batch: GA-0099
Sample ID: LCS-GA-0099	Laboratory Control Sample				Run: BERTHOLD 770-2_080204A				02/06/08 17:41
Gross Alpha minus Rn & U	20.0	pCi/L	1.0	95	70	130			
Sample ID: MB-GA-0099	Method Blank				Run: BERTHOLD 770-2_080204A				02/06/08 17:41
Gross Alpha minus Rn & U	ND	pCi/L	1						
Sample ID: C08020035-001EMS	Sample Matrix Spike				Run: BERTHOLD 770-2_080204A				02/06/08 19:24
Gross Alpha minus Rn & U	20.1	pCi/L	1.0	95	70	130			
Sample ID: C08020035-001EMSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770-2_080204A				02/06/08 19:24
Gross Alpha minus Rn & U	20.5	pCi/L	1.0	97	70	130	1.5	28.5	
Method: E903.0									Batch: RA226-2575
Sample ID: C08010855-001FMS	Sample Matrix Spike				Run: BERTHOLD 770_080122D				01/30/08 18:23
Radium 226	11	pCi/L	0.20	85	70	130			
Sample ID: C08010855-001FMSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080122D				01/30/08 18:23
Radium 226	10	pCi/L	0.20	83	70	130	2.5	31.9	
Sample ID: MB-RA226-2575	Method Blank				Run: BERTHOLD 770_080122D				01/30/08 19:27
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2575	Laboratory Control Sample				Run: BERTHOLD 770_080122D				01/30/08 19:27
Radium 226	13	pCi/L	0.20	102	70	130			

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: 03/28/08
Work Order: C08010858

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: R96305
Sample ID: LCS-R96305	Laboratory Control Sample				Run: EGG-ORTEC_080121D				01/21/08 15:00
Thorium 230	4.70	pCi/L	0.20	96	70	130			
Sample ID: C08010789-002EMS	Sample Matrix Spike				Run: EGG-ORTEC_080121D				01/21/08 15:00
Thorium 230	14.0	pCi/L	0.20	85	70	130			
Sample ID: C08010789-002EMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_080121D				01/21/08 15:00
Thorium 230	15.8	pCi/L	0.20	97	70	130	12	30	
Sample ID: MB-R96305	Method Blank				Run: EGG-ORTEC_080121D				01/21/08 15:00
Thorium 230	ND	pCi/L	0.2						
Method: E909.0M									Batch: R96197
Sample ID: C08010858-001DMS	Sample Matrix Spike				Run: PACKARD 3100TR_080122B				01/22/08 08:30
Lead 210	540	pCi/L	1.0	91	70	130			
Sample ID: MB-R96197	Method Blank				Run: PACKARD 3100TR_080122B				01/22/08 08:30
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R96197	Laboratory Control Sample				Run: PACKARD 3100TR_080122B				01/22/08 08:30
Lead 210	120	pCi/L	1.0	100	70	130			
Sample ID: LCS2-R96197	Laboratory Control Sample Duplicate				Run: PACKARD 3100TR_080122B				01/22/08 08:30
Lead 210	110	pCi/L	1.0	95	70	130	4.2	30	
Method: RA-05									Batch: RA228-2002
Sample ID: LCS-228-RA226-2575	Laboratory Control Sample				Run: TENNELEC-3_080122D				01/25/08 14:53
Radium 228	22.4	pCi/L	1.0	110	70	130			
Sample ID: MB-RA226-2575	Method Blank				Run: TENNELEC-3_080122D				01/25/08 14:53
Radium 228	ND	pCi/L	1						
Sample ID: C08010855-003FMS	Sample Matrix Spike				Run: TENNELEC-3_080122D				01/25/08 14:53
Radium 228	19.0	pCi/L	1.0	82	70	130			
Sample ID: C08010855-003FMSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080122D				01/25/08 14:53
Radium 228	21.2	pCi/L	1.0	93	70	130	11	23	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 03/28/08
Work Order: C08010858

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05									Batch: RA228-2024
Sample ID: LCS-228-RA226-2619	Laboratory Control Sample				Run: TENNELEC-3_080207A				02/12/08 10:39
Radium 228	20	pCi/L	1.0	100	70	130			
Sample ID: MB-RA226-2619	Method Blank				Run: TENNELEC-3_080207A				02/12/08 10:39
Radium 228	ND	pCi/L	1						
Sample ID: C08020128-008AMS	Sample Matrix Spike				Run: TENNELEC-3_080207A				02/12/08 10:39
Radium 228	37	pCi/L	1.0	105	70	130			
Sample ID: C08020128-008AMSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080207A				02/12/08 10:39
Radium 228	36	pCi/L	1.0	104	70	130	1.1	25.8	

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Date: 08-Apr-08

CLIENT: United Nuclear Corp
Project: Zone 1
Sample Delivery Group: C08011079

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

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 screen 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.

PCB ANALYSIS USING 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: 04/02/08
Work Order: C08011079

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: R96234
Sample ID: MBLK-1	Method Blank				Run: MANTECH_080128B				01/28/08 13:42
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_080128B				01/28/08 13:50
Alkalinity, Total as CaCO3	4920	mg/L	1.0	98	90	110			
Sample ID: C08011032-001AMS	Sample Matrix Spike				Run: MANTECH_080128B				01/28/08 14:18
Alkalinity, Total as CaCO3	855	mg/L	1.0	88	90	110			S
Sample ID: C08011032-001AMSD	Sample Matrix Spike Duplicate				Run: MANTECH_080128B				01/28/08 14:29
Alkalinity, Total as CaCO3	849	mg/L	1.0	84	90	110	0.6	10	S
Method: A2540 C									Batch: 080128_1_SLDS-TDS-W
Sample ID: MBLK1_080128	Method Blank				Run: BAL-1_080128C				01/28/08 14:49
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: LCS1_080128	Laboratory Control Sample				Run: BAL-1_080128C				01/28/08 14:49
Solids, Total Dissolved TDS @ 180 C	955	mg/L	10	96	90	110			
Sample ID: C08011079-003DMS	Sample Matrix Spike				Run: BAL-1_080128C				01/28/08 15:05
Solids, Total Dissolved TDS @ 180 C	11500	mg/L	10	100	90	110			
Sample ID: C08011079-003DMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080128C				01/28/08 15:06
Solids, Total Dissolved TDS @ 180 C	11600	mg/L	10	107	90	110	0.9	10	
Method: A4500-H B									Analytical Run: ORION555A_080128B
Sample ID: ICV1_080128_2	Initial Calibration Verification Standard								01/28/08 15:13
pH	6.92	s.u.	0.010	101	98	102			
Method: A4500-H B									Analytical Run: ORION555A_080129B
Sample ID: ICV1_080129_2	Initial Calibration Verification Standard								01/29/08 10:26
pH	6.91	s.u.	0.010	101	98	102			
Sample ID: CCV1_080129_2	Continuing Calibration Verification Standard								01/29/08 11:17
pH	7.13	s.u.	0.010	102	98	102			
Method: A4500-H B									Batch: 080129_2_PH-W
Sample ID: C08011079-001DDUP	Sample Duplicate				Run: ORION555A_080129B				01/29/08 11:45
pH	7.13	s.u.	0.010				0.8	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: 04/02/08
Work Order: C08011079

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G									Batch: R96207
Sample ID: MBLK-1	Method Blank				Run: TECHNICON_080128A				01/28/08 10:00
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LCS-2	Laboratory Control Sample				Run: TECHNICON_080128A				01/28/08 10:02
Nitrogen, Ammonia as N	21.9	mg/L	0.20	109	80	120			
Sample ID: C08011079-006EMS	Sample Matrix Spike				Run: TECHNICON_080128A				01/28/08 11:54
Nitrogen, Ammonia as N	1.98	mg/L	0.050	92	80	120			
Sample ID: C08011079-006EMSD	Sample Matrix Spike Duplicate				Run: TECHNICON_080128A				01/28/08 11:56
Nitrogen, Ammonia as N	1.99	mg/L	0.050	93	80	120	0.5	20	
Method: E353.2									Batch: R96260
Sample ID: MBLK-1	Method Blank				Run: TECHNICON_080129A				01/29/08 10:29
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: LCS-2	Laboratory Control Sample				Run: TECHNICON_080129A				01/29/08 10:32
Nitrogen, Nitrate+Nitrite as N	2.52	mg/L	0.10	101	90	110			
Sample ID: C08011074-014DMS	Sample Matrix Spike				Run: TECHNICON_080129A				01/29/08 11:24
Nitrogen, Nitrate+Nitrite as N	2.14	mg/L	0.10	107	90	110			
Sample ID: C08011074-014DMSD	Sample Matrix Spike Duplicate				Run: TECHNICON_080129A				01/29/08 11:27
Nitrogen, Nitrate+Nitrite as N	2.11	mg/L	0.10	105	90	110	1.4	10	
Sample ID: C08011083-002CMS	Sample Matrix Spike				Run: TECHNICON_080129A				01/29/08 12:04
Nitrogen, Nitrate+Nitrite as N	3.98	mg/L	0.10	107	90	110			
Sample ID: C08011083-002CMSD	Sample Matrix Spike Duplicate				Run: TECHNICON_080129A				01/29/08 12:07
Nitrogen, Nitrate+Nitrite as N	3.99	mg/L	0.10	107	90	110	0.3	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 04/02/08
Work Order: C08011079

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R96348
Sample ID: 30-Jan-08_LCS_3	Laboratory Control Sample				Run: GCMS2_080130A				01/30/08 11:57
Bromodichloromethane	5.40	ug/L	1.0	108	70	130			
Bromoform	5.12	ug/L	1.0	102	70	130			
Chlorodibromomethane	4.96	ug/L	1.0	99	70	130			
Chloroform	6.00	ug/L	1.0	120	70	130			
Trihalomethanes, Total	21.5	ug/L	1.0	107	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	99	80	120			
Surr: Dibromofluoromethane			1.0	100	80	120			
Surr: p-Bromofluorobenzene			1.0	100	80	120			
Surr: Toluene-d8			1.0	101	80	120			
Sample ID: 30-Jan-08_MBLK_6	Method Blank				Run: GCMS2_080130A				01/30/08 13:55
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				102	80	120			
Surr: p-Bromofluorobenzene				108	80	120			
Surr: Toluene-d8				99	80	120			
Sample ID: C08011079-006FMS	Sample Matrix Spike				Run: GCMS2_080130A				01/30/08 19:32
Bromodichloromethane	97.6	ug/L	5.0	98	70	130			
Bromoform	88.8	ug/L	5.0	89	70	130			
Chlorodibromomethane	91.2	ug/L	5.0	91	70	130			
Chloroform	107	ug/L	5.0	107	70	130			
Trihalomethanes, Total	384	ug/L	5.0	96	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	99	80	120			
Surr: Dibromofluoromethane			1.0	102	80	120			
Surr: p-Bromofluorobenzene			1.0	98	80	120			
Surr: Toluene-d8			1.0	103	80	120			
Sample ID: C08011079-006FMSD	Sample Matrix Spike Duplicate				Run: GCMS2_080130A				01/30/08 20:14
Bromodichloromethane	101	ug/L	5.0	101	70	130	3.6	20	
Bromoform	91.6	ug/L	5.0	92	70	130	3.1	20	
Chlorodibromomethane	93.2	ug/L	5.0	93	70	130	2.2	20	
Chloroform	111	ug/L	5.0	111	70	130	4.0	20	
Trihalomethanes, Total	397	ug/L	5.0	99	70	130	3.3	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	98	80	120	0.0	10	
Surr: Dibromofluoromethane			1.0	101	80	120	0.0	10	
Surr: p-Bromofluorobenzene			1.0	101	80	120	0.0	10	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 04/02/08
Work Order: C08011079

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R96348
Sample ID: C08011079-006FMSD	Sample Matrix Spike Duplicate				Run: GCMS2_080130A				01/30/08 20:14
Surr: Toluene-d8			1.0	102	80	120	0.0	10	
Method: E900.1									Batch: GA-0099
Sample ID: LCS-GA-0099	Laboratory Control Sample				Run: BERTHOLD 770-2_080204A				02/06/08 17:41
Gross Alpha minus Rn & U	20.0	pCi/L	1.0	95	70	130			
Sample ID: MB-GA-0099	Method Blank				Run: BERTHOLD 770-2_080204A				02/06/08 17:41
Gross Alpha minus Rn & U	ND	pCi/L	1						
Sample ID: C08020035-001EMS	Sample Matrix Spike				Run: BERTHOLD 770-2_080204A				02/06/08 19:24
Gross Alpha minus Rn & U	20.1	pCi/L	1.0	95	70	130			
Sample ID: C08020035-001EMSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770-2_080204A				02/06/08 19:24
Gross Alpha minus Rn & U	20.5	pCi/L	1.0	97	70	130	1.5	28.5	
Method: E903.0									Batch: RA226-2593
Sample ID: C08011079-005AMS	Sample Matrix Spike				Run: BERTHOLD 770_080128D				02/06/08 09:54
Radium 226	22	pCi/L	0.20	103	70	130			
Sample ID: C08011079-005AMSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080128D				02/06/08 09:54
Radium 226	22	pCi/L	0.20	103	70	130	0.1	30.2	
Sample ID: MB-RA226-2593	Method Blank				Run: BERTHOLD 770_080128D				02/06/08 09:54
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2593	Laboratory Control Sample				Run: BERTHOLD 770_080128D				02/06/08 09:54
Radium 226	13	pCi/L	0.20	104	70	130			
Method: E907.0									Batch: R96501
Sample ID: LCS-R96501	Laboratory Control Sample				Run: EGG-ORTEC_080129B				01/29/08 14:15
Thorium 230	4.20	pCi/L	0.20	86	70	130			
Sample ID: C08011081-004AMS	Sample Matrix Spike				Run: EGG-ORTEC_080129B				01/29/08 14:15
Thorium 230	16.7	pCi/L	0.20	102	70	130			
Sample ID: C08011081-004AMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_080129B				01/29/08 14:15
Thorium 230	14.3	pCi/L	0.20	87	70	130	15	30	
Sample ID: MB-R96501	Method Blank				Run: EGG-ORTEC_080129B				01/29/08 14:15
Thorium 230	ND	pCi/L	0.2						

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 04/02/08
Work Order: C08011079

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: R96503
Sample ID: MB-R96503	Method Blank				Run: PACKARD 3100TR_080130A				01/30/08 09:45
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R96503	Laboratory Control Sample				Run: PACKARD 3100TR_080130A				01/30/08 09:45
Lead 210	130	pCi/L	1.0	111	70	130			
Sample ID: C08011079-003AMS	Sample Matrix Spike				Run: PACKARD 3100TR_080130A				01/30/08 09:45
Lead 210	610	pCi/L	1.0	102	70	130			
Sample ID: LCS2-R96503	Laboratory Control Sample Duplicate				Run: PACKARD 3100TR_080130A				01/30/08 09:45
Lead 210	150	pCi/L	1.0	123	70	130	10	30	
Method: RA-05									Batch: RA228-2012
Sample ID: LCS-228-RA226-2593	Laboratory Control Sample				Run: TENNELEC-3_080128C				02/01/08 10:06
Radium 228	23	pCi/L	1.0	115	70	130			
Sample ID: MB-RA226-2593	Method Blank				Run: TENNELEC-3_080128C				02/01/08 10:06
Radium 228	ND	pCi/L	1						
Sample ID: C08011079-006AMS	Sample Matrix Spike				Run: TENNELEC-3_080128C				02/01/08 10:06
Radium 228	29	pCi/L	1.0	86	70	130			
Sample ID: C08011079-006AMSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080128C				02/01/08 10:06
Radium 228	28	pCi/L	1.0	83	70	130	3.2	28.1	

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: 04/03/08
Work Order: C08011079

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: ASIII3114-080130B	
Sample ID: MBLK	Method Blank				Run: CVAA-C202_080130B			01/30/08 14:57	
Arsenic-III	ND	mg/L	0.0006						
Sample ID: 288-20-3	Laboratory Control Sample				Run: CVAA-C202_080130B			01/30/08 14:59	
Arsenic-III	0.0499	mg/L	0.0010	100	90	110			
Sample ID: C08011074-016FMS	Sample Matrix Spike				Run: CVAA-C202_080130B			01/30/08 15:28	
Arsenic-III	0.0542	mg/L	0.0010	106	85	115			
Sample ID: C08011074-016FMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_080130B			01/30/08 15:30	
Arsenic-III	0.0536	mg/L	0.0010	105	85	115	1.0	10	
Sample ID: C08011079-004BMS	Sample Matrix Spike				Run: CVAA-C202_080130B			01/30/08 15:47	
Arsenic-III	0.0564	mg/L	0.0010	113	85	115			
Sample ID: C08011079-004BMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_080130B			01/30/08 15:49	
Arsenic-III	0.0571	mg/L	0.0010	114	85	115	1.1	10	
Method: A3114 B								Batch: SEIV3114-080128	
Sample ID: MBLK	Method Blank				Run: CVAA-C202_080128E			01/28/08 15:51	
Selenium-IV	0.0003	mg/L	0.0002						
Sample ID: 288-20-3	Laboratory Control Sample				Run: CVAA-C202_080128E			01/28/08 15:53	
Selenium-IV	0.0539	mg/L	0.0010	107	90	110			
Sample ID: C08011079-001BMS	Sample Matrix Spike				Run: CVAA-C202_080128E			01/28/08 16:08	
Selenium-IV	0.0458	mg/L	0.0010	88	85	115			
Sample ID: C08011079-001BMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_080128E			01/28/08 16:10	
Selenium-IV	0.0536	mg/L	0.0010	103	85	115	16	10	R

- Matrix spike recoveries meet criteria, RPD for MS/MSD fall outside of criteria.When ICV and LCS are compared precision is demonstrated.

Qualifiers:

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

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 04/03/08
Work Order: C08011079

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R96942
Sample ID: LFB-Cl, SO4	Laboratory Fortified Blank				Run: ICP2-C_080213B				02/13/08 10:37
Chloride	24.1	mg/L	1.0	96	85	125			
Sulfate	23.5	mg/L	1.0	94	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: ICP2-C_080213B				02/13/08 10:43
Calcium	25.0	mg/L	0.50	100	85	125			
Magnesium	25.0	mg/L	0.50	100	85	125			
Potassium	24.9	mg/L	0.50	99	85	125			
Sodium	24.2	mg/L	0.76	97	85	125			
Sample ID: LRB	Laboratory Reagent Blank				Run: ICP2-C_080213B				02/13/08 10:50
Calcium	ND	mg/L	0.50						
Chloride	0.497	mg/L	1.0						
Magnesium	ND	mg/L	0.50						
Potassium	0.0307	mg/L	0.50						
Sodium	ND	mg/L	0.76						
Sulfate	ND	mg/L	1.0						
Sample ID: C08011074-001FMS	Sample Matrix Spike				Run: ICP2-C_080213B				02/13/08 14:09
Calcium	862	mg/L	0.79	82	70	130			
Chloride	498	mg/L	3.6	91	70	130			
Magnesium	848	mg/L	0.80	83	70	130			
Potassium	1120	mg/L	0.50	92	70	130			
Sodium	577	mg/L	5.3	87	70	130			
Sulfate	3420	mg/L	2.4		70	130			A
Sample ID: C08011074-001FMSD	Sample Matrix Spike Duplicate				Run: ICP2-C_080213B				02/13/08 14:13
Calcium	887	mg/L	0.79	87	70	130	2.9	20	
Chloride	527	mg/L	3.6	96	70	130	5.6	20	
Magnesium	872	mg/L	0.80	88	70	130	2.8	20	
Potassium	1110	mg/L	0.50	92	70	130	0.5	20	
Sodium	577	mg/L	5.3	87	70	130	0.0	20	
Sulfate	3450	mg/L	2.4		70	130	0.9	20	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 04/03/08
Work Order: C08011079

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R96757
Sample ID: LRB	Method Blank				Run: ICPMS2-C_080209B				02/09/08 10:21
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_080209B				02/09/08 10:28
Aluminum	0.0531	mg/L	0.0010	106	85	115			
Beryllium	0.0476	mg/L	0.0010	95	85	115			
Cadmium	0.0515	mg/L	0.0010	103	85	115			
Cobalt	0.0511	mg/L	0.0010	102	85	115			
Lead	0.0515	mg/L	0.0010	103	85	115			
Manganese	0.0491	mg/L	0.0010	98	85	115			
Molybdenum	0.0508	mg/L	0.0010	102	85	115			
Nickel	0.0465	mg/L	0.0010	93	85	115			
Uranium	0.0506	mg/L	0.00030	101	85	115			
Vanadium	0.0481	mg/L	0.0010	96	85	115			
Sample ID: C08020035-002DMS	Sample Matrix Spike				Run: ICPMS2-C_080209B				02/09/08 22:41
Aluminum	0.0502	mg/L	0.10	100	70	130			
Beryllium	0.0521	mg/L	0.010	104	70	130			
Cadmium	0.0508	mg/L	0.010	102	70	130			
Cobalt	0.0485	mg/L	0.010	97	70	130			
Lead	0.0498	mg/L	0.050	99	70	130			
Manganese	0.0500	mg/L	0.010	100	70	130			
Molybdenum	0.0507	mg/L	0.10	101	70	130			
Nickel	0.0508	mg/L	0.050	102	70	130			
Uranium	0.0499	mg/L	0.00030	100	70	130			
Vanadium	0.0483	mg/L	0.10	97	70	130			
Sample ID: C08020035-002DMSD	Sample Matrix Spike Duplicate				Run: ICPMS2-C_080209B				02/09/08 22:48
Aluminum	0.0514	mg/L	0.10	102	70	130	0.0	20	
Beryllium	0.0527	mg/L	0.010	105	70	130	1.1	20	
Cadmium	0.0513	mg/L	0.010	103	70	130	1.0	20	
Cobalt	0.0501	mg/L	0.010	100	70	130	3.1	20	
Lead	0.0507	mg/L	0.050	101	70	130	1.9	20	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 04/03/08
Work Order: C08011079

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: R96757	
Sample ID: C08020035-002DMSD	Sample Matrix Spike Duplicate				Run: ICPMS2-C_080209B			02/09/08 22:48	
Manganese	0.0506	mg/L	0.010	101	70	130	1.2	20	
Molybdenum	0.0511	mg/L	0.10	102	70	130	0.0	20	
Nickel	0.0516	mg/L	0.050	103	70	130	1.7	20	
Uranium	0.0510	mg/L	0.00030	102	70	130	2.3	20	
Vanadium	0.0487	mg/L	0.10	97	70	130	0.0	20	

Qualifiers:

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Date: 28-Mar-08

CLIENT: United Nuclear Corp
Project: Zone 3
Sample Delivery Group: C08010856

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

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 screen 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.

PCB ANALYSIS USING 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 3

Report Date: 03/28/08
Work Order: C08010856

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: R95870
Sample ID: MBLK-1	Method Blank				Run: MANTECH_080120A				01/21/08 10:34
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_080120A				01/21/08 10:42
Alkalinity, Total as CaCO3	4830	mg/L	1.0	97	90	110			
Sample ID: C08010829-001AMS	Sample Matrix Spike				Run: MANTECH_080120A				01/21/08 11:04
Alkalinity, Total as CaCO3	342	mg/L	1.0	100	90	110			
Sample ID: C08010829-001AMSD	Sample Matrix Spike Duplicate				Run: MANTECH_080120A				01/21/08 11:13
Alkalinity, Total as CaCO3	342	mg/L	1.0	100	90	110	0.1	10	
Method: A2540 C									Batch: 080121_1_SLDS-TDS-W
Sample ID: MBLK1_080121	Method Blank				Run: BAL-1_080121C				01/21/08 12:33
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: LCS1_080121	Laboratory Control Sample				Run: BAL-1_080121C				01/21/08 12:33
Solids, Total Dissolved TDS @ 180 C	982	mg/L	10	98	90	110			
Sample ID: C08010854-001AMS	Sample Matrix Spike				Run: BAL-1_080121C				01/21/08 12:39
Solids, Total Dissolved TDS @ 180 C	2730	mg/L	10	100	90	110			
Sample ID: C08010854-001AMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080121C				01/21/08 12:39
Solids, Total Dissolved TDS @ 180 C	2800	mg/L	10	103	90	110	2.5	10	
Method: A3114 B									Batch: SEIV3114-080121
Sample ID: MBLK	Method Blank				Run: CVAA-C202_080121A				01/21/08 11:08
Selenium-IV	ND	mg/L	0.0002						
Sample ID: 288-20-3	Laboratory Control Sample				Run: CVAA-C202_080121A				01/21/08 11:11
Selenium-IV	0.0496	mg/L	0.0010	99	90	110			
Sample ID: C08010729-001HMS	Sample Matrix Spike				Run: CVAA-C202_080121A				01/21/08 11:21
Selenium-IV	0.0471	mg/L	0.0010	94	85	115			
Sample ID: C08010729-001HMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_080121A				01/21/08 11:23
Selenium-IV	0.0481	mg/L	0.0010	96	85	115	2.0	10	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 03/28/08
Work Order: C08010856

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B								Analytical Run: ORION555A_080119A	
Sample ID: ICV1_080119_1	Initial Calibration Verification Standard							01/19/08 09:54	
pH	6.86	s.u.	0.010	100	98	102			
Method: A4500-H B								Batch: 080119_1_PH-W	
Sample ID: C08010860-001CDUP	Sample Duplicate				Run: ORION555A_080119A			01/19/08 10:18	
pH	6.42	s.u.	0.010				1.1	10	
Method: A4500-NH3 G								Batch: R95912	
Sample ID: MBLK-1	Method Blank				Run: TECHNICON_080122A			01/22/08 13:23	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LCS-2	Laboratory Control Sample				Run: TECHNICON_080122A			01/22/08 13:25	
Nitrogen, Ammonia as N	19.3	mg/L	0.20	96	80	120			
Sample ID: C08010858-004AMS	Sample Matrix Spike				Run: TECHNICON_080122A			01/22/08 13:37	
Nitrogen, Ammonia as N	2.06	mg/L	0.050	102	80	120			
Sample ID: C08010858-004AMSD	Sample Matrix Spike Duplicate				Run: TECHNICON_080122A			01/22/08 13:39	
Nitrogen, Ammonia as N	2.15	mg/L	0.050	106	80	120	4.3	20	
Method: E1632AM								Batch: R96060	
Sample ID: MBLK	Method Blank				Run: HPLC204-C_080124A			01/24/08 11:19	
Arsenic-III	ND	ug/L	0.3						
Sample ID: 288-3-6	Laboratory Control Sample				Run: HPLC204-C_080124A			01/24/08 11:27	
Arsenic-III	50	ug/L	1.0	99	80	120			
Sample ID: C08010906-001AMS	Sample Matrix Spike				Run: HPLC204-C_080124A			01/24/08 12:21	
Arsenic-III	48	ug/L	1.0	95	80	120			
Sample ID: C08010906-001AMSD	Sample Matrix Spike Duplicate				Run: HPLC204-C_080124A			01/24/08 12:29	
Arsenic-III	47	ug/L	1.0	93	80	120	2.0	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: 03/28/08
Work Order: C08010856

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R96743
Sample ID: LFB-Cl, SO4	Laboratory Fortified Blank				Run: ICP2-C_080206A				02/06/08 11:28
Chloride	24.8	mg/L	1.0	99	85	125			
Sulfate	23.6	mg/L	1.0	94	85	125			
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: ICP2-C_080206A				02/06/08 11:31
Aluminum	1.97	mg/L	0.10	98	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: ICP2-C_080206A				02/06/08 11:34
Calcium	25.8	mg/L	0.50	103	85	125			
Magnesium	25.6	mg/L	0.50	102	85	125			
Potassium	24.8	mg/L	0.50	99	85	125			
Sodium	23.2	mg/L	0.76	93	85	125			
Sample ID: C08010856-001DMS	Sample Matrix Spike				Run: ICP2-C_080206A				02/06/08 14:29
Aluminum	704	mg/L	0.25		70	130			A
Calcium	5080	mg/L	7.9	94	70	130			
Chloride	4580	mg/L	36	88	70	130			
Magnesium	5110	mg/L	8.0	88	70	130			
Potassium	11700	mg/L	4.4	98	70	130			
Sodium	5090	mg/L	53	96	70	130			
Sulfate	11600	mg/L	24	63	70	130			S
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									
Sample ID: C08010856-001DMSD	Sample Matrix Spike Duplicate				Run: ICP2-C_080206A				02/06/08 14:33
Aluminum	765	mg/L	0.25		70	130	8.3	20	A
Calcium	5180	mg/L	7.9	96	70	130	1.9	20	
Chloride	5110	mg/L	36	98	70	130	11	20	
Magnesium	5300	mg/L	8.0	92	70	130	3.7	20	
Potassium	11400	mg/L	4.4	95	70	130	2.3	20	
Sodium	4920	mg/L	53	92	70	130	3.3	20	
Sulfate	12400	mg/L	24	79	70	130	6.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 03/28/08
Work Order: C08010856

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R96243
Sample ID: LRB	Method Blank				Run: ICPMS2-C_080128A				01/28/08 12:26
Beryllium	ND	mg/L	3E-05						
Cadmium	2E-05	mg/L	1E-05						
Cobalt	ND	mg/L	2E-05						
Manganese	ND	mg/L	5E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	0.0007						
Vanadium	5E-05	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS2-C_080128A				01/28/08 12:33
Beryllium	0.0536	mg/L	0.0010	107	85	115			
Cadmium	0.0532	mg/L	0.0010	106	85	115			
Cobalt	0.0522	mg/L	0.0010	104	85	115			
Manganese	0.0518	mg/L	0.0010	102	85	115			
Molybdenum	0.0536	mg/L	0.0010	106	85	115			
Nickel	0.0537	mg/L	0.0010	107	85	115			
Vanadium	0.0523	mg/L	0.0010	96	85	115			
Sample ID: C08010860-005DMS	Sample Matrix Spike				Run: ICPMS2-C_080128A				01/29/08 04:19
Beryllium	0.455	mg/L	0.010	91	70	130			
Cadmium	0.490	mg/L	0.010	98	70	130			
Cobalt	0.485	mg/L	0.010	96	70	130			
Manganese	1.27	mg/L	0.010	93	70	130			
Molybdenum	0.540	mg/L	0.10	108	70	130			
Nickel	0.496	mg/L	0.050	97	70	130			
Vanadium	0.504	mg/L	0.10	100	70	130			
Sample ID: C08010860-005DMSD	Sample Matrix Spike Duplicate				Run: ICPMS2-C_080128A				01/29/08 04:26
Beryllium	0.432	mg/L	0.010	86	70	130	5.3	20	
Cadmium	0.490	mg/L	0.010	98	70	130	0.0	20	
Cobalt	0.474	mg/L	0.010	94	70	130	2.3	20	
Manganese	1.26	mg/L	0.010	92	70	130	0.3	20	
Molybdenum	0.525	mg/L	0.10	105	70	130	2.8	20	
Nickel	0.490	mg/L	0.050	96	70	130	1.3	20	
Vanadium	0.495	mg/L	0.10	99	70	130	1.8	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: 03/28/08
Work Order: C08010856

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R96302
Sample ID: LRB	Method Blank				Run: ICPMS1-C_080129A				01/29/08 14:15
Lead	ND	mg/L	2E-05						
Uranium	ND	mg/L	4E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS1-C_080129A				01/29/08 14:22
Lead	0.0503	mg/L	0.0010	101	85	115			
Uranium	0.0497	mg/L	0.00030	99	85	115			
Sample ID: C08010860-005DMS4	Post Digestion Spike				Run: ICPMS1-C_080129A				01/30/08 05:15
Lead	0.502	mg/L	0.050	100	70	130			
Uranium	0.625	mg/L	0.00038	99	70	130			
Sample ID: C08010860-005DMSD4	Post Digestion Spike Duplicate				Run: ICPMS1-C_080129A				01/30/08 05:45
Lead	0.506	mg/L	0.050	101	70	130	0.8	20	
Uranium	0.635	mg/L	0.00038	101	70	130	1.5	20	
Method: E353.2									Batch: R95983
Sample ID: MBLK-1	Method Blank				Run: TECHNICON_080123A				01/23/08 11:36
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: LCS-2	Laboratory Control Sample				Run: TECHNICON_080123A				01/23/08 11:39
Nitrogen, Nitrate+Nitrite as N	2.54	mg/L	0.10	102	90	110			
Sample ID: C08010842-001CMS	Sample Matrix Spike				Run: TECHNICON_080123A				01/23/08 12:51
Nitrogen, Nitrate+Nitrite as N	2.15	mg/L	0.10	107	90	110			
Sample ID: C08010842-001CMSD	Sample Matrix Spike Duplicate				Run: TECHNICON_080123A				01/23/08 12:53
Nitrogen, Nitrate+Nitrite as N	2.13	mg/L	0.10	106	90	110	0.9	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 03/28/08
Work Order: C08010856

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R95873
Sample ID: 012108_LCS_2	Laboratory Control Sample				Run: SATURNCA_080121A				01/21/08 11:50
Bromodichloromethane	4.88	ug/L	1.0	98	70	130			
Bromoform	4.52	ug/L	1.0	90	70	130			
Chlorodibromomethane	4.52	ug/L	1.0	90	70	130			
Chloroform	4.80	ug/L	1.0	96	70	130			
Trihalomethanes, Total	18.7	ug/L	1.0	94	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	97	80	120			
Surr: Dibromofluoromethane			1.0	98	80	120			
Surr: p-Bromofluorobenzene			1.0	103	80	120			
Surr: Toluene-d8			1.0	103	80	120			
Sample ID: 012108_MBLK_5	Method Blank				Run: SATURNCA_080121A				01/21/08 13:48
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				100	80	120			
Surr: Dibromofluoromethane				108	80	120			
Surr: p-Bromofluorobenzene				97	80	120			
Surr: Toluene-d8				98	80	120			
Sample ID: C08010858-002EMS	Sample Matrix Spike				Run: SATURNCA_080121A				01/21/08 19:30
Bromodichloromethane	98.8	ug/L	5.0	99	70	130			
Bromoform	98.0	ug/L	5.0	98	70	130			
Chlorodibromomethane	94.4	ug/L	5.0	94	70	130			
Chloroform	336	ug/L	5.0	109	70	130			
Trihalomethanes, Total	627	ug/L	5.0	100	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	99	80	120			
Surr: Dibromofluoromethane			1.0	99	80	120			
Surr: p-Bromofluorobenzene			1.0	101	80	120			
Surr: Toluene-d8			1.0	102	80	120			
Sample ID: C08010858-002EMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_080121A				01/21/08 20:08
Bromodichloromethane	98.0	ug/L	5.0	98	70	130	0.8	20	
Bromoform	98.8	ug/L	5.0	99	70	130	0.8	20	
Chlorodibromomethane	96.0	ug/L	5.0	96	70	130	1.7	20	
Chloroform	306	ug/L	5.0	80	70	130	9.1	20	
Trihalomethanes, Total	599	ug/L	5.0	93	70	130	4.5	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	100	80	120	0.0	10	
Surr: Dibromofluoromethane			1.0	103	80	120	0.0	10	
Surr: p-Bromofluorobenzene			1.0	110	80	120	0.0	10	
Surr: Toluene-d8			1.0	104	80	120	0.0	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 03/28/08
Work Order: C08010856

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1									Batch: GA-0095
Sample ID: LCS-GA-0095	Laboratory Control Sample				Run: BERTHOLD 770_080121A				01/23/08 15:58
Gross Alpha minus Rn & U	22.2	pCi/L	1.0	105	70	130			
Sample ID: MB-GA-0095	Reagent Blank				Run: BERTHOLD 770_080121A				01/23/08 15:58
Gross Alpha minus Rn & U	ND	pCi/L	1.0		0	0			
Sample ID: C08010789-001EMS	Sample Matrix Spike				Run: BERTHOLD 770_080121A				01/23/08 15:58
Gross Alpha minus Rn & U	22.7	pCi/L	1.0	94	70	130			
Sample ID: C08010789-001EMSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080121A				01/23/08 15:58
Gross Alpha minus Rn & U	22.9	pCi/L	1.0	94	70	130	0.5	27.7	
Method: E903.0									Batch: RA226-2575
Sample ID: C08010855-001FMS	Sample Matrix Spike				Run: BERTHOLD 770_080122D				01/30/08 18:23
Radium 226	11	pCi/L	0.20	85	70	130			
Sample ID: C08010855-001FMSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080122D				01/30/08 18:23
Radium 226	10	pCi/L	0.20	83	70	130	2.5	31.9	
Sample ID: MB-RA226-2575	Method Blank				Run: BERTHOLD 770_080122D				01/30/08 19:27
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2575	Laboratory Control Sample				Run: BERTHOLD 770_080122D				01/30/08 19:27
Radium 226	13	pCi/L	0.20	102	70	130			
Method: E909.0M									Batch: R96197
Sample ID: C08010858-001DMS	Sample Matrix Spike				Run: PACKARD 3100TR_080122B				01/22/08 08:30
Lead 210	540	pCi/L	1.0	91	70	130			
Sample ID: MB-R96197	Method Blank				Run: PACKARD 3100TR_080122B				01/22/08 08:30
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R96197	Laboratory Control Sample				Run: PACKARD 3100TR_080122B				01/22/08 08:30
Lead 210	120	pCi/L	1.0	100	70	130			
Sample ID: LCS2-R96197	Laboratory Control Sample Duplicate				Run: PACKARD 3100TR_080122B				01/22/08 08:30
Lead 210	110	pCi/L	1.0	95	70	130	4.2	30	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 03/28/08
Work Order: C08010856

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05									Batch: RA228-2002
Sample ID: LCS-228-RA226-2575	Laboratory Control Sample				Run: TENNELEC-3_080122D				01/25/08 14:53
Radium 228	22.4	pCi/L	1.0	110	70	130			
Sample ID: MB-RA226-2575	Method Blank				Run: TENNELEC-3_080122D				01/25/08 14:53
Radium 228	ND	pCi/L	1						
Sample ID: C08010855-003FMS	Sample Matrix Spike				Run: TENNELEC-3_080122D				01/25/08 14:53
Radium 228	19.0	pCi/L	1.0	82	70	130			
Sample ID: C08010855-003FMSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080122D				01/25/08 14:53
Radium 228	21.2	pCi/L	1.0	93	70	130	11	23	

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Date: 08-Apr-08

CLIENT: United Nuclear Corp
Project: Zone 3
Sample Delivery Group: C08011074

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

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 screen 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.

PCB ANALYSIS USING 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 3

Report Date: 04/02/08
Work Order: C08011074

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: R96234
Sample ID: MBLK-1	Method Blank				Run: MANTECH_080128B				01/28/08 13:42
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_080128B				01/28/08 13:50
Alkalinity, Total as CaCO3	4920	mg/L	1.0	98	90	110			
Sample ID: C08011032-001AMS	Sample Matrix Spike				Run: MANTECH_080128B				01/28/08 14:18
Alkalinity, Total as CaCO3	855	mg/L	1.0	88	90	110			S
Sample ID: C08011032-001AMSD	Sample Matrix Spike Duplicate				Run: MANTECH_080128B				01/28/08 14:29
Alkalinity, Total as CaCO3	849	mg/L	1.0	84	90	110	0.6	10	S
Method: A2540 C									Batch: 080128_1_SLDS-TDS-W
Sample ID: MBLK1_080128	Method Blank				Run: BAL-1_080128C				01/28/08 14:49
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: LCS1_080128	Laboratory Control Sample				Run: BAL-1_080128C				01/28/08 14:49
Solids, Total Dissolved TDS @ 180 C	955	mg/L	10	96	90	110			
Sample ID: C08011074-003CMS	Sample Matrix Spike				Run: BAL-1_080128C				01/28/08 14:54
Solids, Total Dissolved TDS @ 180 C	7590	mg/L	10	109	90	110			
Sample ID: C08011074-003CMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080128C				01/28/08 14:55
Solids, Total Dissolved TDS @ 180 C	7360	mg/L	10	103	90	110	3.1	10	
Sample ID: C08011074-013CMS	Sample Matrix Spike				Run: BAL-1_080128C				01/28/08 14:59
Solids, Total Dissolved TDS @ 180 C	6350	mg/L	10	102	90	110			
Sample ID: C08011074-013CMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080128C				01/28/08 15:00
Solids, Total Dissolved TDS @ 180 C	6400	mg/L	10	104	90	110	0.8	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 3

Report Date: 04/02/08
Work Order: C08011074

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C								Batch: 080129_1_SLDS-TDS-W	
Sample ID: MBLK1_080129	Method Blank				Run: BAL-1_080129B			01/29/08 14:05	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	6						
Sample ID: LCS1_080129	Laboratory Control Sample				Run: BAL-1_080129B			01/29/08 14:05	
Solids, Total Dissolved TDS @ 180 C	974	mg/L	10	97	90	110			
Sample ID: C08011014-003AMS	Sample Matrix Spike				Run: BAL-1_080129B			01/29/08 14:45	
Solids, Total Dissolved TDS @ 180 C	102000	mg/L	10	102	90	110			
Sample ID: C08011014-003AMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080129B			01/29/08 14:46	
Solids, Total Dissolved TDS @ 180 C	101000	mg/L	10	101	90	110	1.0	10	
Method: A4500-Cl B								Batch: 080129A-CL-TTR-W	
Sample ID: MBLK9-080129A	Method Blank				Run: TITRATION_080129A			01/29/08 08:06	
Chloride	ND	mg/L	0.4						
Sample ID: C08011070-005AMS	Sample Matrix Spike				Run: TITRATION_080129A			01/29/08 11:01	
Chloride	226	mg/L	1.0	101	90	110			
Sample ID: C08011070-005AMSD	Sample Matrix Spike Duplicate				Run: TITRATION_080129A			01/29/08 11:04	
Chloride	222	mg/L	1.0	99	90	110	1.6	10	
Sample ID: LCS35-080129A	Laboratory Control Sample				Run: TITRATION_080129A			01/29/08 12:32	
Chloride	3520	mg/L	1.0	99	90	110			
Method: A4500-H B								Analytical Run: ORION555A_080129B	
Sample ID: ICV1_080129_2	Initial Calibration Verification Standard							01/29/08 10:26	
pH	6.91	s.u.	0.010	101	98	102			
Sample ID: CCV1_080129_2	Continuing Calibration Verification Standard							01/29/08 11:17	
pH	7.13	s.u.	0.010	102	98	102			
Method: A4500-H B								Batch: 080129_2_PH-W	
Sample ID: C08011074-001CDUP	Sample Duplicate				Run: ORION555A_080129B			01/29/08 10:53	
pH	3.91	s.u.	0.010				0.3	10	
Sample ID: C08011074-011CDUP	Sample Duplicate				Run: ORION555A_080129B			01/29/08 11:13	
pH	5.92	s.u.	0.010				0.0	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 04/02/08
Work Order: C08011074

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G									Batch: R96207
Sample ID: MBLK-1	Method Blank				Run: TECHNICON_080128A				01/28/08 10:00
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LCS-2	Laboratory Control Sample				Run: TECHNICON_080128A				01/28/08 10:02
Nitrogen, Ammonia as N	21.9	mg/L	0.20	109	80	120			
Sample ID: C08011074-002DMS	Sample Matrix Spike				Run: TECHNICON_080128A				01/28/08 10:44
Nitrogen, Ammonia as N	4.37	mg/L	0.050	106	80	120			
Sample ID: C08011074-002DMSD	Sample Matrix Spike Duplicate				Run: TECHNICON_080128A				01/28/08 10:46
Nitrogen, Ammonia as N	4.27	mg/L	0.050	103	80	120	2.3	20	
Sample ID: C08011079-006EMS	Sample Matrix Spike				Run: TECHNICON_080128A				01/28/08 11:54
Nitrogen, Ammonia as N	1.98	mg/L	0.050	92	80	120			
Sample ID: C08011079-006EMSD	Sample Matrix Spike Duplicate				Run: TECHNICON_080128A				01/28/08 11:56
Nitrogen, Ammonia as N	1.99	mg/L	0.050	93	80	120	0.5	20	
Sample ID: C08011086-001DMS	Sample Matrix Spike				Run: TECHNICON_080128A				01/28/08 12:26
Nitrogen, Ammonia as N	1.96	mg/L	0.050	94	80	120			
Sample ID: C08011086-001DMSD	Sample Matrix Spike Duplicate				Run: TECHNICON_080128A				01/28/08 12:28
Nitrogen, Ammonia as N	1.96	mg/L	0.050	94	80	120	0.0	20	
Sample ID: C08011074-013DMS	Sample Matrix Spike				Run: TECHNICON_080128A				01/28/08 12:54
Nitrogen, Ammonia as N	6.83	mg/L	0.050	101	80	120			
Sample ID: C08011074-013DMSD	Sample Matrix Spike Duplicate				Run: TECHNICON_080128A				01/28/08 12:56
Nitrogen, Ammonia as N	6.72	mg/L	0.050	95	80	120	1.6	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 04/02/08
Work Order: C08011074

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2									Batch: R96260
Sample ID: MBLK-1	Method Blank				Run: TECHNICON_080129A				01/29/08 10:29
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.03						
Sample ID: LCS-2	Laboratory Control Sample				Run: TECHNICON_080129A				01/29/08 10:32
Nitrogen, Nitrate+Nitrite as N	2.52	mg/L	0.10	101	90	110			
Sample ID: C08011074-001DMS	Sample Matrix Spike				Run: TECHNICON_080129A				01/29/08 10:47
Nitrogen, Nitrate+Nitrite as N	2.23	mg/L	0.10	99	90	110			
Sample ID: C08011074-001DMSD	Sample Matrix Spike Duplicate				Run: TECHNICON_080129A				01/29/08 10:49
Nitrogen, Nitrate+Nitrite as N	2.20	mg/L	0.10	98	90	110	1.4	10	
Sample ID: C08011074-014DMS	Sample Matrix Spike				Run: TECHNICON_080129A				01/29/08 11:24
Nitrogen, Nitrate+Nitrite as N	2.14	mg/L	0.10	107	90	110			
Sample ID: C08011074-014DMSD	Sample Matrix Spike Duplicate				Run: TECHNICON_080129A				01/29/08 11:27
Nitrogen, Nitrate+Nitrite as N	2.11	mg/L	0.10	105	90	110	1.4	10	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 04/02/08
Work Order: C08011074

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R96346
Sample ID: 013008_LCS_2	Laboratory Control Sample				Run: SATURNCA_080130A				01/30/08 10:27
Bromodichloromethane	4.92	ug/L	1.0	98	70	130			
Bromoform	4.80	ug/L	1.0	96	70	130			
Chlorodibromomethane	4.76	ug/L	1.0	95	70	130			
Chloroform	4.96	ug/L	1.0	99	70	130			
Trihalomethanes, Total	19.4	ug/L	1.0	97	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	93	80	120			
Surr: Dibromofluoromethane			1.0	102	80	120			
Surr: p-Bromofluorobenzene			1.0	96	80	120			
Surr: Toluene-d8			1.0	102	80	120			
Sample ID: 013008_MBLK_5	Method Blank				Run: SATURNCA_080130A				01/30/08 12:21
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				111	80	120			
Surr: p-Bromofluorobenzene				98	80	120			
Surr: Toluene-d8				102	80	120			
Sample ID: C08011074-001EMS	Sample Matrix Spike				Run: SATURNCA_080130A				01/30/08 18:07
Bromodichloromethane	98.4	ug/L	5.0	98	70	130			
Bromoform	100	ug/L	5.0	100	70	130			
Chlorodibromomethane	101	ug/L	5.0	101	70	130			
Chloroform	126	ug/L	5.0	121	70	130			
Trihalomethanes, Total	426	ug/L	5.0	105	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	103	80	120			
Surr: Dibromofluoromethane			1.0	105	80	120			
Surr: p-Bromofluorobenzene			1.0	102	80	120			
Surr: Toluene-d8			1.0	102	80	120			
Sample ID: C08011074-001EMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_080130A				01/30/08 18:45
Bromodichloromethane	99.6	ug/L	5.0	100	70	130	1.2	20	
Bromoform	94.8	ug/L	5.0	95	70	130	5.7	20	
Chlorodibromomethane	96.8	ug/L	5.0	97	70	130	4.0	20	
Chloroform	124	ug/L	5.0	118	70	130	1.9	20	
Trihalomethanes, Total	415	ug/L	5.0	102	70	130	2.6	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	108	80	120	0.0	10	
Surr: Dibromofluoromethane			1.0	98	80	120	0.0	10	
Surr: p-Bromofluorobenzene			1.0	104	80	120	0.0	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 04/02/08
Work Order: C08011074

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R96346
Sample ID: C08011074-001EMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_080130A				01/30/08 18:45
Surr: Toluene-d8			1.0	101	80	120	0.0	10	
Method: E900.1									Batch: GA-0100
Sample ID: LCS-GA-0100	Laboratory Control Sample				Run: G5000W_080206A				02/11/08 12:36
Gross Alpha minus Rn & U	23.0	pCi/L	1.0	109	70	130			
Sample ID: MB-GA-0100	Method Blank				Run: G5000W_080206A				02/11/08 12:36
Gross Alpha minus Rn & U	ND	pCi/L	1						
Sample ID: C08011074-002AMS	Sample Matrix Spike				Run: G5000W_080206A				02/11/08 12:36
Gross Alpha minus Rn & U	32.1	pCi/L	1.0	97	70	130			
Sample ID: C08011074-013ADUP	Sample Duplicate				Run: G5000W_080206A				02/11/08 14:15
Gross Alpha minus Rn & U	16.4	pCi/L	1.0				6.2	25.4	
Method: E903.0									Batch: RA226-2592
Sample ID: C08011074-010AMS	Sample Matrix Spike				Run: BERTHOLD 770_080128B				02/05/08 14:02
Radium 226	29	pCi/L	0.20	102	70	130			
Sample ID: C08011074-010AMSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080128B				02/05/08 14:02
Radium 226	32	pCi/L	0.20	113	70	130	7.9	27.5	
Sample ID: MB-RA226-2592	Method Blank				Run: BERTHOLD 770_080128B				02/05/08 14:02
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2592	Laboratory Control Sample				Run: BERTHOLD 770_080128B				02/05/08 14:02
Radium 226	13	pCi/L	0.20	107	70	130			
Method: E903.0									Batch: RA226-2593
Sample ID: C08011079-005AMS	Sample Matrix Spike				Run: BERTHOLD 770_080128D				02/06/08 09:54
Radium 226	22	pCi/L	0.20	103	70	130			
Sample ID: C08011079-005AMSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080128D				02/06/08 09:54
Radium 226	22	pCi/L	0.20	103	70	130	0.1	30.2	
Sample ID: MB-RA226-2593	Method Blank				Run: BERTHOLD 770_080128D				02/06/08 09:54
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2593	Laboratory Control Sample				Run: BERTHOLD 770_080128D				02/06/08 09:54
Radium 226	13	pCi/L	0.20	104	70	130			

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 04/02/08
Work Order: C08011074

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: R96497
Sample ID: LCS-R96497	Laboratory Control Sample				Run: EGG-ORTEC_080129A				01/29/08 13:00
Thorium 230	4.40	pCi/L	0.20	90	70	130			
Sample ID: C08011074-001AMS	Sample Matrix Spike				Run: EGG-ORTEC_080129A				01/29/08 13:00
Thorium 230	50.0	pCi/L	0.20	102	70	130			
Sample ID: C08011074-001AMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_080129A				01/29/08 13:00
Thorium 230	47.5	pCi/L	0.20	97	70	130	5.1	30	
Sample ID: MB-R96497	Method Blank				Run: EGG-ORTEC_080129A				01/29/08 13:00
Thorium 230	ND	pCi/L	0.2						
Method: E909.0M									Batch: R96504
Sample ID: C08011074-010AMS	Sample Matrix Spike				Run: PACKARD 3100TR_080130B				01/30/08 09:35
Lead 210	460	pCi/L	1.0	77	70	130			
Sample ID: C08011074-010AMSD	Sample Matrix Spike Duplicate				Run: PACKARD 3100TR_080130B				01/30/08 09:35
Lead 210	480	pCi/L	1.0	81	70	130	5.1	30	
Sample ID: MB-R96504	Method Blank				Run: PACKARD 3100TR_080130B				01/30/08 09:35
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R96504	Laboratory Control Sample				Run: PACKARD 3100TR_080130B				01/30/08 09:35
Lead 210	120	pCi/L	1.0	97	70	130			
Method: E909.0M									Batch: R97083
Sample ID: C08020440-005AMS	Sample Matrix Spike				Run: PACKARD 3100TR_080213A				02/13/08 11:30
Lead 210	460	pCi/L	1.0	76	70	130			
Sample ID: MB-R97083	Method Blank				Run: PACKARD 3100TR_080213A				02/13/08 11:30
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R97083	Laboratory Control Sample				Run: PACKARD 3100TR_080213A				02/13/08 11:30
Lead 210	110	pCi/L	1.0	95	70	130			
Sample ID: LCS2-R97083	Laboratory Control Sample Duplicate				Run: PACKARD 3100TR_080213A				02/13/08 11:30
Lead 210	92	pCi/L	1.0	77	70	130	21	30	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 04/02/08
Work Order: C08011074

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: R97872
Sample ID: C08011074-005AMS	Sample Matrix Spike				Run: PACKARD 3100TR_080228B				02/28/08 08:15
Lead 210	670	pCi/L	1.0	109	70	130			
Sample ID: C08011074-005AMSD	Sample Matrix Spike Duplicate				Run: PACKARD 3100TR_080228B				02/28/08 08:15
Lead 210	670	pCi/L	1.0	109	70	130	0.1	30	
Sample ID: MB-R97872	Method Blank				Run: PACKARD 3100TR_080228B				02/28/08 08:15
Lead 210	ND	pCi/L							
Sample ID: LCS-R97872	Laboratory Control Sample				Run: PACKARD 3100TR_080228B				02/28/08 08:15
Lead 210	110	pCi/L	1.0	89	70	130			
Method: RA-05									Batch: RA228-2011
Sample ID: LCS-228-RA226-2592	Laboratory Control Sample				Run: TENNELEC-3_080128B				01/31/08 11:25
Radium 228	18	pCi/L	1.0	87	70	130			
Sample ID: MB-RA226-2592	Method Blank				Run: TENNELEC-3_080128B				01/31/08 11:25
Radium 228	ND	pCi/L	1						
Sample ID: C08011074-011AMS	Sample Matrix Spike				Run: TENNELEC-3_080128B				01/31/08 11:25
Radium 228	42	pCi/L	1.0	91	70	130			
Sample ID: C08011074-011AMSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080128B				01/31/08 11:25
Radium 228	43	pCi/L	1.0	94	70	130	2.1	22.6	
Method: RA-05									Batch: RA228-2012
Sample ID: LCS-228-RA226-2593	Laboratory Control Sample				Run: TENNELEC-3_080128C				02/01/08 10:06
Radium 228	23	pCi/L	1.0	115	70	130			
Sample ID: MB-RA226-2593	Method Blank				Run: TENNELEC-3_080128C				02/01/08 10:06
Radium 228	ND	pCi/L	1						
Sample ID: C08011079-006AMS	Sample Matrix Spike				Run: TENNELEC-3_080128C				02/01/08 10:06
Radium 228	29	pCi/L	1.0	86	70	130			
Sample ID: C08011079-006AMSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080128C				02/01/08 10:06
Radium 228	28	pCi/L	1.0	83	70	130	3.2	28.1	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 04/02/08
Work Order: C08011074

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: ASIII3114-080130A	
Sample ID: MBLK	Method Blank				Run: CVAA-C202_080130A			01/30/08 11:34	
Arsenic-III	ND	mg/L	0.0006						
Sample ID: 288-20-3	Laboratory Control Sample				Run: CVAA-C202_080130A			01/30/08 11:36	
Arsenic-III	0.0504	mg/L	0.0010	101	90	110			
Sample ID: C08011074-009FMS	Sample Matrix Spike				Run: CVAA-C202_080130A			01/30/08 12:07	
Arsenic-III	0.0677	mg/L	0.0010	132	85	115			S
Sample ID: C08011074-009FMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_080130A			01/30/08 12:09	
Arsenic-III	0.0712	mg/L	0.0010	139	85	115	5.0	10	S
Method: A3114 B								Batch: ASIII3114-080130B	
Sample ID: MBLK	Method Blank				Run: CVAA-C202_080130B			01/30/08 14:57	
Arsenic-III	ND	mg/L	0.0006						
Sample ID: 288-20-3	Laboratory Control Sample				Run: CVAA-C202_080130B			01/30/08 14:59	
Arsenic-III	0.0499	mg/L	0.0010	100	90	110			
Sample ID: C08011074-016FMS	Sample Matrix Spike				Run: CVAA-C202_080130B			01/30/08 15:28	
Arsenic-III	0.0542	mg/L	0.0010	106	85	115			
Sample ID: C08011074-016FMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_080130B			01/30/08 15:30	
Arsenic-III	0.0536	mg/L	0.0010	105	85	115	1.0	10	

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S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

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Work Order: C08011074

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: SEIV3114-080129	
Sample ID: MBLK	Method Blank				Run: CVAA-C202_080129A			01/29/08 16:00	
Selenium-IV	0.002	mg/L	0.0002						
Sample ID: 288-20-3	Laboratory Control Sample				Run: CVAA-C202_080129A			01/29/08 16:02	
Selenium-IV	0.0503	mg/L	0.0010	99	90	110			
Sample ID: C08011074-010FMS	Sample Matrix Spike				Run: CVAA-C202_080129A			01/29/08 16:25	
Selenium-IV	0.0482	mg/L	0.0010	95	85	115			
Sample ID: C08011074-010FMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_080129A			01/29/08 16:27	
Selenium-IV	0.0463	mg/L	0.0010	92	85	115	4.0	10	
Sample ID: C08011074-017FMS	Sample Matrix Spike				Run: CVAA-C202_080129A			01/29/08 16:55	
Selenium-IV	0.0432	mg/L	0.0010	85	85	115			
Sample ID: C08011074-017FMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_080129A			01/29/08 16:57	
Selenium-IV	0.0418	mg/L	0.0010	83	85	115	3.2	10	S

- Matrix spike recoveries outside the acceptance range are considered matrix-related.

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QA/QC Summary Report

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Report Date: 04/02/08
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Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R96942
Sample ID: LFB-Cl, SO4	Laboratory Fortified Blank				Run: ICP2-C_080213B				02/13/08 10:37
Chloride	24.1	mg/L	1.0	96	85	125			
Sulfate	23.5	mg/L	1.0	94	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: ICP2-C_080213B				02/13/08 10:43
Calcium	25.0	mg/L	0.50	100	85	125			
Magnesium	25.0	mg/L	0.50	100	85	125			
Potassium	24.9	mg/L	0.50	99	85	125			
Sodium	24.2	mg/L	0.76	97	85	125			
Sample ID: LRB	Laboratory Reagent Blank				Run: ICP2-C_080213B				02/13/08 10:50
Calcium	ND	mg/L	0.50						
Chloride	0.497	mg/L	1.0						
Magnesium	ND	mg/L	0.50						
Potassium	0.0307	mg/L	0.50						
Sodium	ND	mg/L	0.76						
Sulfate	ND	mg/L	1.0						
Sample ID: C08011074-001FMS	Sample Matrix Spike				Run: ICP2-C_080213B				02/13/08 14:09
Calcium	862	mg/L	0.79	82	70	130			
Chloride	498	mg/L	3.6	91	70	130			
Magnesium	848	mg/L	0.80	83	70	130			
Potassium	1120	mg/L	0.50	92	70	130			
Sodium	577	mg/L	5.3	87	70	130			
Sulfate	3420	mg/L	2.4		70	130			A
Sample ID: C08011074-001FMSD	Sample Matrix Spike Duplicate				Run: ICP2-C_080213B				02/13/08 14:13
Calcium	887	mg/L	0.79	87	70	130	2.9	20	
Chloride	527	mg/L	3.6	96	70	130	5.6	20	
Magnesium	872	mg/L	0.80	88	70	130	2.8	20	
Potassium	1110	mg/L	0.50	92	70	130	0.5	20	
Sodium	577	mg/L	5.3	87	70	130	0.0	20	
Sulfate	3450	mg/L	2.4		70	130	0.9	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

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Report Date: 04/02/08
Work Order: C08011074

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R96996
Sample ID: LFB-Cl, SO4	Laboratory Fortified Blank				Run: ICP2-C_080214A				02/14/08 12:45
Chloride	24.7	mg/L	1.0	99	85	125			
Sample ID: LRB	Laboratory Reagent Blank				Run: ICP2-C_080214A				02/14/08 12:58
Chloride	0.678	mg/L	1.0		0	0			
Sample ID: C08020352-001CMS	Sample Matrix Spike				Run: ICP2-C_080214A				02/14/08 13:40
Chloride	525	mg/L	3.6	90	70	130			
Sample ID: C08020352-001CMSD	Sample Matrix Spike Duplicate				Run: ICP2-C_080214A				02/14/08 13:43
Chloride	561	mg/L	3.6	98	70	130	6.6	20	
Sample ID: C08011081-001CMS	Sample Matrix Spike				Run: ICP2-C_080214A				02/14/08 15:59
Chloride	6620	mg/L	36	93	70	130			
Sample ID: C08011081-001CMSD	Sample Matrix Spike Duplicate				Run: ICP2-C_080214A				02/14/08 16:02
Chloride	7050	mg/L	36	102	70	130	6.3	20	
Method: E200.7									Batch: R97126
Sample ID: LFB-Cl, SO4	Laboratory Fortified Blank				Run: ICP2-C_080219A				02/19/08 11:31
Chloride	24.2	mg/L	1.0	97	85	125			
Sample ID: LRB	Laboratory Reagent Blank				Run: ICP2-C_080219A				02/19/08 12:01
Chloride	0.356	mg/L	1.0						
Sample ID: C08011074-010FMS	Sample Matrix Spike				Run: ICP2-C_080219A				02/19/08 15:05
Chloride	502	mg/L	3.6	91	70	130			
Sample ID: C08011074-010FMSD	Sample Matrix Spike Duplicate				Run: ICP2-C_080219A				02/19/08 15:09
Chloride	533	mg/L	3.6	97	70	130	6.0	20	

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Work Order: C08011074

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R96685
Sample ID: LRB	Method Blank				Run: ICPMS2-C_080207A				02/07/08 13:24
Aluminum	ND	mg/L	0.0001						
Beryllium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Cobalt	2E-05	mg/L	2E-05						
Lead	ND	mg/L	3E-05						
Manganese	0.0002	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_080207A				02/07/08 13:31
Aluminum	0.0528	mg/L	0.0010	106	85	115			
Beryllium	0.0534	mg/L	0.0010	107	85	115			
Cadmium	0.0522	mg/L	0.0010	104	85	115			
Cobalt	0.0537	mg/L	0.0010	107	85	115			
Lead	0.0528	mg/L	0.0010	106	85	115			
Manganese	0.0539	mg/L	0.0010	107	85	115			
Molybdenum	0.0531	mg/L	0.0010	106	85	115			
Nickel	0.0529	mg/L	0.0010	106	85	115			
Uranium	0.0530	mg/L	0.00030	106	85	115			
Vanadium	0.0536	mg/L	0.0010	107	85	115			
Sample ID: C08011074-010FMS4	Post Digestion Spike				Run: ICPMS2-C_080207A				02/07/08 23:16
Aluminum	0.0499	mg/L	0.10	79	70	130			
Beryllium	0.0460	mg/L	0.010	92	70	130			
Cadmium	0.0496	mg/L	0.010	99	70	130			
Cobalt	0.0547	mg/L	0.010	61	70	130			S
Lead	0.0531	mg/L	0.050	102	70	130			
Manganese	0.263	mg/L	0.010		70	130			A
Molybdenum	0.127	mg/L	0.10		70	130			A
Nickel	0.0577	mg/L	0.050	41	70	130			S
Uranium	0.121	mg/L	0.00030		70	130			A
Vanadium	0.0512	mg/L	0.10	102	70	130			
Sample ID: C08011074-010FMSD4	Post Digestion Spike Duplicate				Run: ICPMS2-C_080207A				02/07/08 23:22
Aluminum	0.0544	mg/L	0.10	88	70	130	0.0	20	
Beryllium	0.0449	mg/L	0.010	90	70	130	2.5	20	
Cadmium	0.0496	mg/L	0.010	99	70	130	0.1	20	
Cobalt	0.0543	mg/L	0.010	60	70	130	0.7	20	S
Lead	0.0530	mg/L	0.050	102	70	130	0.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 04/02/08
Work Order: C08011074

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R96685
Sample ID: C08011074-010FMSD4	Post Digestion Spike Duplicate				Run: ICPMS2-C_080207A				02/07/08 23:22
Manganese	0.258	mg/L	0.010		70	130	1.8	20	A
Molybdenum	0.126	mg/L	0.10		70	130	0.7	20	A
Nickel	0.0574	mg/L	0.050	40	70	130	0.5	20	S
Uranium	0.120	mg/L	0.00030		70	130	0.8	20	A
Vanadium	0.0510	mg/L	0.10	101	70	130	0.0	20	
Sample ID: C08011074-017FMS4	Post Digestion Spike				Run: ICPMS2-C_080207A				02/08/08 02:06
Aluminum	0.0652	mg/L	0.10	20	70	130			S
Beryllium	0.0483	mg/L	0.010	95	70	130			
Cadmium	0.0493	mg/L	0.010	98	70	130			
Cobalt	0.0800	mg/L	0.010	-139	70	130			S
Lead	0.0516	mg/L	0.050	103	70	130			
Manganese	1.01	mg/L	0.010		70	130			A
Molybdenum	0.0934	mg/L	0.10		70	130			A
Nickel	0.0878	mg/L	0.050	-179	70	130			S
Uranium	0.0757	mg/L	0.00030	-110	70	130			S
Vanadium	0.0502	mg/L	0.10	100	70	130			
- Matrix spike recoveries outside of acceptance range are likely due to sample matrix interference(s).									
Sample ID: C08011074-017FMSD4	Post Digestion Spike Duplicate				Run: ICPMS2-C_080207A				02/08/08 02:12
Aluminum	0.0672	mg/L	0.10	24	70	130	0.0	20	S
Beryllium	0.0487	mg/L	0.010	96	70	130	0.8	20	
Cadmium	0.0484	mg/L	0.010	96	70	130	1.7	20	
Cobalt	0.0817	mg/L	0.010	-136	70	130	2.1	20	S
Lead	0.0529	mg/L	0.050	106	70	130	2.5	20	
Manganese	1.03	mg/L	0.010		70	130	2.7	20	A
Molybdenum	0.0915	mg/L	0.10		70	130	0.0	20	A
Nickel	0.0885	mg/L	0.050	-177	70	130	0.8	20	S
Uranium	0.0775	mg/L	0.00030	-106	70	130	2.3	20	S
Vanadium	0.0506	mg/L	0.10	101	70	130	0.0	20	
- Matrix spike recoveries outside of acceptance range are likely due to sample matrix interference(s).									

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

S - Spike recovery outside of advisory limits.

APPENDIX – D (2 OF 2)

SECOND QUARTER

LABORATORY QUALITY CONTROL AND

PERFORMANCE REPORT

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ANALYTICAL SUMMARY REPORT

June 10, 2008

United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C08040580 Quote ID: C129 - Quarterly Long List

Project Name: Alluvium

Energy Laboratories, Inc. received the following 17 samples from United Nuclear Corp on 4/11/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08040580-001	509-D	04/07/08 09:15	04/11/08	Aqueous	Metals by ICP/ICPMS, Total Alkalinity QA Calculations Chloride Arsenic-III, Total Selenium-IV, Total Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics
C08040580-002	EPA-23	04/07/08 09:55	04/11/08	Aqueous	Same As Above
C08040580-003	803	04/07/08 10:30	04/11/08	Aqueous	Same As Above
C08040580-004	808	04/07/08 11:10	04/11/08	Aqueous	Same As Above
C08040580-005	802	04/07/08 12:05	04/11/08	Aqueous	Same As Above
C08040580-006	801	04/07/08 13:50	04/11/08	Aqueous	Same As Above
C08040580-007	GW-2	04/07/08 14:45	04/11/08	Aqueous	Same As Above
C08040580-008	GW-1	04/07/08 15:30	04/11/08	Aqueous	Same As Above
C08040580-009	632	04/07/08 16:10	04/11/08	Aqueous	Same As Above
C08040580-010	624	04/08/08 08:40	04/11/08	Aqueous	Same As Above
C08040580-011	SBL-1	04/08/08 09:20	04/11/08	Aqueous	Same As Above
C08040580-012	EPA-28	04/08/08 10:00	04/11/08	Aqueous	Same As Above
C08040580-013	EPA-28 Duplicate	04/08/08 10:35	04/11/08	Aqueous	Same As Above
C08040580-014	GW-3	04/08/08 12:55	04/11/08	Aqueous	Same As Above
C08040580-015	EPA-25	04/08/08 13:45	04/11/08	Aqueous	Same As Above
C08040580-016	627	04/08/08 14:35	04/11/08	Aqueous	Same As Above
C08040580-017	Field Blank	04/09/08 11:40	04/11/08	Aqueous	Same As Above

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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: Trish Bradley

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Date: 10-Jun-08

CLIENT: United Nuclear Corp
Project: Alluvium
Sample Delivery Group: C08040580

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

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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Date: 15-Aug-08

CLIENT: United Nuclear Corp
Project: Alluvium
Sample Delivery Group: C08040580

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

REVISED/SUPPLEMENTAL REPORT - R2
This report was revised from a previously submitted report to include the Lead 210 data for sample C07100328-015 on the site tracker sheet for sample C08040580-015.

REVISED/SUPPLEMENTAL REPORT
This report was revised from a previously submitted report to correct U flags missing on some Radiochemical analyses. This correction was requested by James Ewart.

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.

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CERTFICATIONS:
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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 06/10/08
Work Order: C08040580

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: R99697
Sample ID: MBLK-1	Method Blank				Run: MANTECH_080415A				04/15/08 10:53
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_080415A				04/15/08 11:01
Alkalinity, Total as CaCO3	188	mg/L	1.0	94	90	110			
Sample ID: C08040577-003AMS	Sample Matrix Spike				Run: MANTECH_080415A				04/15/08 11:49
Alkalinity, Total as CaCO3	564	mg/L	1.0	79	90	110			S
Sample ID: C08040577-003AMSD	Sample Matrix Spike Duplicate				Run: MANTECH_080415A				04/15/08 11:56
Alkalinity, Total as CaCO3	568	mg/L	1.0	82	90	110	0.6	10	S
Method: A2540 C									Batch: 080414_1_SLDS-TDS-W
Sample ID: MBLK1_080414	Method Blank				Run: BAL-1_080414B				04/14/08 21:44
Solids, Total Dissolved TDS @ 180 C	10	mg/L	6						
Sample ID: LCS1_080414	Laboratory Control Sample				Run: BAL-1_080414B				04/14/08 21:45
Solids, Total Dissolved TDS @ 180 C	1030	mg/L	10	103	90	110			
Sample ID: C08040580-008BMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080414B				04/14/08 22:36
Solids, Total Dissolved TDS @ 180 C	10800	mg/L	10	104	90	110	9.2	10	
Sample ID: C08040580-017BMS	Sample Matrix Spike				Run: BAL-1_080414B				04/14/08 22:39
Solids, Total Dissolved TDS @ 180 C	1960	mg/L	10	100	90	110			
Sample ID: C08040580-017BMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080414B				04/14/08 22:40
Solids, Total Dissolved TDS @ 180 C	1930	mg/L	10	101	90	110	1.6	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: Alluvium

Report Date: 06/10/08
Work Order: C08040580

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C								Batch: 080416_1_SLDS-TDS-W	
Sample ID: MBLK1_080416	Method Blank				Run: BAL-1_080416B			04/16/08 15:50	
Solids, Total Dissolved TDS @ 180 C	20	mg/L	6						
Sample ID: LCS1_080416	Laboratory Control Sample				Run: BAL-1_080416B			04/16/08 15:50	
Solids, Total Dissolved TDS @ 180 C	1010	mg/L	10	101	90	110			
Sample ID: C08040577-004AMS	Sample Matrix Spike				Run: BAL-1_080416B			04/16/08 16:54	
Solids, Total Dissolved TDS @ 180 C	2960	mg/L	10	96	90	110			
Sample ID: C08040577-004AMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080416B			04/16/08 16:55	
Solids, Total Dissolved TDS @ 180 C	3140	mg/L	10	106	90	110	5.9	10	
Sample ID: C08040639-001AMS	Sample Matrix Spike				Run: BAL-1_080416B			04/16/08 15:54	
Solids, Total Dissolved TDS @ 180 C	2060	mg/L	10	98	90	110			
Sample ID: C08040639-001AMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080416B			04/16/08 15:54	
Solids, Total Dissolved TDS @ 180 C	2150	mg/L	10	103	90	110	4.2	10	
Method: A3114 B								Batch: H_R44590	
Sample ID: C08040580-010DDUP	Sample Duplicate				Run: SUB-H44590			04/24/08 13:00	
Arsenic-III	ND	mg/L	0.0010						
Sample ID: C08040580-015DMS	Sample Matrix Spike				Run: SUB-H44590			04/24/08 13:00	
Arsenic-III	0.0413	mg/L	0.0010	83	80	120			
Sample ID: C08040580-015DMSD	Sample Matrix Spike Duplicate				Run: SUB-H44590			04/24/08 13:00	
Arsenic-III	0.0395	mg/L	0.0010	79	80	120			S
Sample ID: MBLK	Method Blank				Run: SUB-H44590			04/24/08 13:00	
Arsenic-III	ND	mg/L	0.0004						
Sample ID: LCS	Laboratory Control Sample				Run: SUB-H44590			04/24/08 13:00	
Arsenic-III	0.0515	mg/L	0.0050	103	90	110			

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 06/10/08
Work Order: C08040580

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: SEIV-3114-080416A	
Sample ID: MBLK	Method Blank				Run: CVAA-C202_080416A			04/16/08 09:38	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-54-6	Laboratory Control Sample				Run: CVAA-C202_080416A			04/16/08 09:41	
Selenium-IV	0.0484	mg/L	0.0010	97	90	110			
Sample ID: C08040580-001CMS	Sample Matrix Spike				Run: CVAA-C202_080416A			04/16/08 09:45	
Selenium-IV	0.0440	mg/L	0.0010	87	85	115			
Sample ID: C08040580-001CMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_080416A			04/16/08 09:47	
Selenium-IV	0.0452	mg/L	0.0010	90	85	115	2.7	10	
Sample ID: C08040580-011CMS	Sample Matrix Spike				Run: CVAA-C202_080416A			04/16/08 10:20	
Selenium-IV	0.0405	mg/L	0.0010	81	85	115			S
Sample ID: C08040580-011CMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_080416A			04/16/08 10:22	
Selenium-IV	0.0379	mg/L	0.0010	76	85	115	6.4	10	S
Method: A4500-Cl B								Batch: 080417A-CL-TTR-W	
Sample ID: MBLK9-080417A	Method Blank				Run: TITRATION_080417A			04/17/08 09:47	
Chloride	ND	mg/L	0.4						
Sample ID: LCS35-080417A	Laboratory Control Sample				Run: TITRATION_080417A			04/17/08 11:04	
Chloride	3560	mg/L	1.0	100	90	110			
Sample ID: C08040580-005BMS	Sample Matrix Spike				Run: TITRATION_080417A			04/17/08 16:33	
Chloride	370	mg/L	1.0	100	90	110			
Sample ID: C08040580-005BMSD	Sample Matrix Spike Duplicate				Run: TITRATION_080417A			04/17/08 16:34	
Chloride	370	mg/L	1.0	100	90	110	0.0	10	
Sample ID: C08040580-015BMS	Sample Matrix Spike				Run: TITRATION_080417A			04/17/08 16:51	
Chloride	272	mg/L	1.0	101	90	110			
Sample ID: C08040580-015BMSD	Sample Matrix Spike Duplicate				Run: TITRATION_080417A			04/17/08 16:51	
Chloride	270	mg/L	1.0	100	90	110	0.7	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: Alluvium

Report Date: 06/10/08
Work Order: C08040580

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A4500-H B**								Analytical Run: ORION555A_080414D	
Sample ID: **ICV1_080414_1**	Initial Calibration Verification Standard							04/14/08 21:55	
pH	6.89	s.u.	0.010	100	98	102			
Method: **A4500-H B**								Batch: 080414_1_PH-W_555A-2	
Sample ID: **C08040580-008BDUP**	Sample Duplicate				Run: ORION555A_080414D			04/14/08 22:37	
pH	7.04	s.u.	0.010				0.4	10	
Method: **A4500-H B**								Analytical Run: ORION555A_080415B	
Sample ID: **ICV1_080415_1**	Initial Calibration Verification Standard							04/15/08 10:55	
pH	6.98	s.u.	0.010	102	98	102			
Method: **A4500-H B**								Batch: 080415_1_PH-W_555A-1	
Sample ID: **C08040556-001ADUP**	Sample Duplicate				Run: ORION555A_080415B			04/15/08 11:29	
pH	7.99	s.u.	0.010				0.1	10	
Method: **A4500-SO4 E**								Batch: 080417_2_SO4-TURB-W	
Sample ID: **LCS-1_080417**	Laboratory Control Sample				Run: TURB-2_080417B			04/17/08 16:17	
Sulfate	4860	mg/L	59	101	90	110			
Sample ID: **MBLK-1_080417**	Method Blank				Run: TURB-2_080417B			04/17/08 16:21	
Sulfate	ND	mg/L	0.6						
Sample ID: **C08040580-004BMS**	Sample Matrix Spike				Run: TURB-2_080417B			04/17/08 16:45	
Sulfate	4830	mg/L	59	104	90	110			
Sample ID: **C08040580-004BMSD**	Sample Matrix Spike Duplicate				Run: TURB-2_080417B			04/17/08 16:46	
Sulfate	4840	mg/L	59	104	90	110	0.2	10	
Sample ID: **C08040580-014BMS**	Sample Matrix Spike				Run: TURB-2_080417B			04/17/08 17:21	
Sulfate	7080	mg/L	150	101	90	110			
Sample ID: **C08040580-014BMSD**	Sample Matrix Spike Duplicate				Run: TURB-2_080417B			04/17/08 17:23	
Sulfate	7110	mg/L	150	101	90	110	0.3	10	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 06/10/08
Work Order: C08040580

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R100499
Sample ID: MB-080430A	Method Blank				Run: ICP1-C_080430A				04/30/08 14:33
Calcium	ND	mg/L	0.04						
Magnesium	ND	mg/L	0.04						
Potassium	0.08	mg/L	0.08						
Sodium	0.07	mg/L	0.06						
Sample ID: LFB-080430A	Laboratory Fortified Blank				Run: ICP1-C_080430A				04/30/08 14:36
Calcium	51.8	mg/L	0.50	104	85	125			
Magnesium	52.3	mg/L	0.50	105	85	125			
Potassium	48.0	mg/L	0.50	96	85	125			
Sodium	51.2	mg/L	0.50	102	85	125			
Sample ID: C08040580-002CMS2	Sample Matrix Spike				Run: ICP1-C_080430A				04/30/08 18:26
Calcium	1150	mg/L	1.2	91	70	130			
Magnesium	899	mg/L	1.1	92	70	130			
Potassium	487	mg/L	1.0	93	70	130			
Sodium	660	mg/L	1.2	98	70	130			
Sample ID: C08040580-002CMSD2	Sample Matrix Spike Duplicate				Run: ICP1-C_080430A				04/30/08 18:29
Calcium	1140	mg/L	1.2	90	70	130	0.6	20	
Magnesium	894	mg/L	1.1	91	70	130	0.6	20	
Potassium	484	mg/L	1.0	93	70	130	0.5	20	
Sodium	657	mg/L	1.2	97	70	130	0.5	20	
Sample ID: C08040580-012CMS2	Sample Matrix Spike				Run: ICP1-C_080430A				04/30/08 19:46
Calcium	1080	mg/L	1.2	98	70	130			
Magnesium	1020	mg/L	1.1	93	70	130			
Potassium	494	mg/L	1.0	94	70	130			
Sodium	751	mg/L	1.2	99	70	130			
Sample ID: C08040580-012CMSD2	Sample Matrix Spike Duplicate				Run: ICP1-C_080430A				04/30/08 19:50
Calcium	1070	mg/L	1.2	97	70	130	0.6	20	
Magnesium	1010	mg/L	1.1	92	70	130	0.6	20	
Potassium	493	mg/L	1.0	94	70	130	0.2	20	
Sodium	746	mg/L	1.2	98	70	130	0.7	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 06/10/08
Work Order: C08040580

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R100440
Sample ID: LRB	Method Blank				Run: ICPMS2-C_080430A				04/30/08 12:23
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_080430A				04/30/08 12:30
Aluminum	0.0512	mg/L	0.0010	102	85	115			
Beryllium	0.0499	mg/L	0.0010	100	85	115			
Cadmium	0.0518	mg/L	0.0010	104	85	115			
Cobalt	0.0516	mg/L	0.0010	103	85	115			
Lead	0.0518	mg/L	0.0010	104	85	115			
Manganese	0.0515	mg/L	0.0010	103	85	115			
Molybdenum	0.0528	mg/L	0.0010	106	85	115			
Nickel	0.0519	mg/L	0.0010	104	85	115			
Uranium	0.0519	mg/L	0.00030	104	85	115			
Vanadium	0.0514	mg/L	0.0010	103	85	115			
Sample ID: C08040580-010CMS	Sample Matrix Spike				Run: ICPMS2-C_080430A				04/30/08 20:54
Aluminum	0.489	mg/L	0.10	97	70	130			
Beryllium	0.460	mg/L	0.010	92	70	130			
Cadmium	0.499	mg/L	0.010	100	70	130			
Cobalt	0.490	mg/L	0.010	98	70	130			
Lead	0.521	mg/L	0.050	104	70	130			
Manganese	0.696	mg/L	0.010	119	70	130			
Molybdenum	0.538	mg/L	0.10	108	70	130			
Nickel	0.497	mg/L	0.050	99	70	130			
Uranium	0.613	mg/L	0.00032	116	70	130			
Vanadium	0.518	mg/L	0.10	103	70	130			
Sample ID: C08040580-010CMSD	Sample Matrix Spike Duplicate				Run: ICPMS2-C_080430A				04/30/08 21:00
Aluminum	0.488	mg/L	0.10	97	70	130	0.3	20	
Beryllium	0.450	mg/L	0.010	90	70	130	2.3	20	
Cadmium	0.495	mg/L	0.010	99	70	130	0.9	20	
Cobalt	0.486	mg/L	0.010	97	70	130	1.0	20	
Lead	0.516	mg/L	0.050	103	70	130	1.0	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 06/10/08
Work Order: C08040580

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: R100440	
Sample ID: C08040580-010CMSD	Sample Matrix Spike Duplicate				Run: ICPMS2-C_080430A			04/30/08 21:00	
Manganese	0.689	mg/L	0.010	118	70	130	1.0	20	
Molybdenum	0.529	mg/L	0.10	106	70	130	1.7	20	
Nickel	0.493	mg/L	0.050	98	70	130	0.8	20	
Uranium	0.599	mg/L	0.00032	113	70	130	2.3	20	
Vanadium	0.512	mg/L	0.10	102	70	130	1.2	20	
Sample ID: C08040582-003CMS	Sample Matrix Spike				Run: ICPMS2-C_080430A			04/30/08 22:35	
Aluminum	2.75	mg/L	0.10	322	70	130			S
Beryllium	0.451	mg/L	0.010	90	70	130			
Cadmium	0.516	mg/L	0.010	102	70	130			
Cobalt	0.614	mg/L	0.010	112	70	130			
Lead	0.526	mg/L	0.050	105	70	130			
Manganese	36.6	mg/L	0.010		70	130			A
Molybdenum	0.559	mg/L	0.10	112	70	130			
Nickel	1.03	mg/L	0.050	151	70	130			S
Uranium	0.549	mg/L	0.00032	110	70	130			
Vanadium	0.539	mg/L	0.10	108	70	130			
Sample ID: C08040582-003CMSD	Sample Matrix Spike Duplicate				Run: ICPMS2-C_080430A			04/30/08 22:41	
Aluminum	2.71	mg/L	0.10	315	70	130	1.4	20	S
Beryllium	0.395	mg/L	0.010	79	70	130	13	20	
Cadmium	0.447	mg/L	0.010	88	70	130	14	20	
Cobalt	0.540	mg/L	0.010	97	70	130	13	20	
Lead	0.451	mg/L	0.050	90	70	130	15	20	
Manganese	35.9	mg/L	0.010		70	130	2.0	20	A
Molybdenum	0.484	mg/L	0.10	97	70	130	14	20	
Nickel	0.963	mg/L	0.050	138	70	130	6.5	20	S
Uranium	0.467	mg/L	0.00032	93	70	130	16	20	
Vanadium	0.455	mg/L	0.10	91	70	130	17	20	

Qualifiers:

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ND - Not detected at the reporting limit.

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

S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 06/10/08
Work Order: C08040580

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E350.1									Batch: B_R109308
Sample ID: MBLK	Method Blank				Run: SUB-B109308				04/17/08 10:45
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B109308				04/17/08 10:46
Nitrogen, Ammonia as N	1.04	mg/L	0.10	105	90	110			
Sample ID: B08041352-003CMS	Sample Matrix Spike				Run: SUB-B109308				04/17/08 14:36
Nitrogen, Ammonia as N	1.03	mg/L	0.10	105	90	110			
Sample ID: B08041352-003CMSD	Sample Matrix Spike Duplicate				Run: SUB-B109308				04/17/08 14:37
Nitrogen, Ammonia as N	1.03	mg/L	0.10	105	90	110	0.1	10	
Method: E350.1									Batch: B_R109521
Sample ID: MBLK	Method Blank				Run: SUB-B109521				04/22/08 11:05
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B109521				04/22/08 11:06
Nitrogen, Ammonia as N	1.04	mg/L	0.10	105	90	110			
Sample ID: B08041348-002AMS	Sample Matrix Spike				Run: SUB-B109521				04/22/08 14:14
Nitrogen, Ammonia as N	1.40	mg/L	0.10	110	90	110			
Sample ID: B08041348-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-B109521				04/22/08 14:15
Nitrogen, Ammonia as N	1.36	mg/L	0.10	107	90	110	2.4	10	
Sample ID: B08042118-001FMS	Sample Matrix Spike				Run: SUB-B109521				04/22/08 14:29
Nitrogen, Ammonia as N	17.9	mg/L	0.11	102	90	110			
Sample ID: B08042118-001FMSD	Sample Matrix Spike Duplicate				Run: SUB-B109521				04/22/08 14:30
Nitrogen, Ammonia as N	17.8	mg/L	0.11	99	90	110	0.9	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 06/10/08
Work Order: C08040580

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2									Batch: B_R109393
Sample ID: MBLK	Method Blank				Run: SUB-B109393				04/19/08 06:37
Nitrogen, Nitrate+Nitrite as N	0.006	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B109393				04/19/08 06:39
Nitrogen, Nitrate+Nitrite as N	1.00	mg/L	0.050	102	90	110			
Sample ID: B08041459-001BMS	Sample Matrix Spike				Run: SUB-B109393				04/19/08 08:53
Nitrogen, Nitrate+Nitrite as N	0.990	mg/L	0.050	101	90	110			
Sample ID: B08041459-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-B109393				04/19/08 08:54
Nitrogen, Nitrate+Nitrite as N	0.997	mg/L	0.050	101	90	110	0.7	10	
Sample ID: C08040580-017A	Sample Matrix Spike				Run: SUB-B109393				04/19/08 08:37
Nitrogen, Nitrate+Nitrite as N	0.999	mg/L	0.050	99	90	110			
Sample ID: C08040580-017A	Sample Matrix Spike Duplicate				Run: SUB-B109393				04/19/08 08:38
Nitrogen, Nitrate+Nitrite as N	0.987	mg/L	0.050	98	90	110	1.2	10	
Method: E353.2									Batch: B_R109436
Sample ID: MBLK	Method Blank				Run: SUB-B109436				04/21/08 10:40
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B109436				04/21/08 10:41
Nitrogen, Nitrate+Nitrite as N	1.01	mg/L	0.050	104	90	110			
Sample ID: B08041486-004CMS	Sample Matrix Spike				Run: SUB-B109436				04/21/08 11:04
Nitrogen, Nitrate+Nitrite as N	33.3	mg/L	0.050	108	90	110			
Sample ID: B08041486-004CMSD	Sample Matrix Spike Duplicate				Run: SUB-B109436				04/21/08 11:05
Nitrogen, Nitrate+Nitrite as N	33.2	mg/L	0.050	108	90	110	0.1	10	
Sample ID: C08040580-004A	Sample Matrix Spike				Run: SUB-B109436				04/21/08 10:47
Nitrogen, Nitrate+Nitrite as N	239	mg/L	0.16	108	90	110			
Sample ID: C08040580-004A	Sample Matrix Spike Duplicate				Run: SUB-B109436				04/21/08 10:48
Nitrogen, Nitrate+Nitrite as N	239	mg/L	0.16	108	90	110	0.1	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 06/10/08
Work Order: C08040580

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R99584
Sample ID: 041408_LCS_2	Laboratory Control Sample				Run: SATURNCA_080414B				04/14/08 10:54
Bromodichloromethane	5.12	ug/L	1.0	102	70	130			
Bromoform	5.32	ug/L	1.0	106	70	130			
Chlorodibromomethane	5.08	ug/L	1.0	102	70	130			
Chloroform	5.80	ug/L	1.0	116	70	130			
Trihalomethanes, Total	21.3	ug/L	1.0	107	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	99	80	120			
Surr: Dibromofluoromethane			1.0	100	80	120			
Surr: p-Bromofluorobenzene			1.0	104	80	120			
Surr: Toluene-d8			1.0	102	80	120			
Sample ID: 041408_MBLK_5	Method Blank				Run: SATURNCA_080414B				04/14/08 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				97	80	120			
Surr: Dibromofluoromethane				96	80	120			
Surr: p-Bromofluorobenzene				99	80	120			
Surr: Toluene-d8				103	80	120			
Sample ID: C08040580-010FMS	Sample Matrix Spike				Run: SATURNCA_080414B				04/15/08 03:23
Bromodichloromethane	98.8	ug/L	5.0	99	70	130			
Bromoform	95.2	ug/L	5.0	95	70	130			
Chlorodibromomethane	91.2	ug/L	5.0	91	70	130			
Chloroform	102	ug/L	5.0	102	70	130			
Trihalomethanes, Total	388	ug/L	5.0	97	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	98	80	120			
Surr: Dibromofluoromethane			1.0	85	80	120			
Surr: p-Bromofluorobenzene			1.0	102	80	120			
Surr: Toluene-d8			1.0	105	80	120			
Sample ID: C08040580-010FMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_080414B				04/15/08 04:01
Bromodichloromethane	103	ug/L	5.0	103	70	130	4.4	20	
Bromoform	101	ug/L	5.0	101	70	130	5.7	20	
Chlorodibromomethane	96.4	ug/L	5.0	96	70	130	5.5	20	
Chloroform	111	ug/L	5.0	111	70	130	8.2	20	
Trihalomethanes, Total	412	ug/L	5.0	103	70	130	6.0	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	98	80	120	0.0	10	
Surr: Dibromofluoromethane			1.0	90	80	120	0.0	10	
Surr: p-Bromofluorobenzene			1.0	97	80	120	0.0	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 06/10/08
Work Order: C08040580

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R99584
Sample ID: C08040580-010FMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_080414B				04/15/08 04:01
Surr: Toluene-d8			1.0	105	80	120	0.0	10	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Alluvium

Report Date: 06/10/08
Work Order: C08040580

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R99679
Sample ID: 041508_LCS_2	Laboratory Control Sample				Run: SATURNCA_080415A				04/15/08 11:12
Bromodichloromethane	4.96	ug/L	1.0	99	70	130			
Bromoform	4.96	ug/L	1.0	99	70	130			
Chlorodibromomethane	5.00	ug/L	1.0	100	70	130			
Chloroform	4.96	ug/L	1.0	99	70	130			
Trihalomethanes, Total	19.9	ug/L	1.0	99	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	99	80	120			
Surr: Dibromofluoromethane			1.0	94	80	120			
Surr: p-Bromofluorobenzene			1.0	110	80	120			
Surr: Toluene-d8			1.0	102	80	120			
Sample ID: 041508_MBLK_5	Method Blank				Run: SATURNCA_080415A				04/15/08 13:07
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				96	80	120			
Surr: Dibromofluoromethane				95	80	120			
Surr: p-Bromofluorobenzene				94	80	120			
Surr: Toluene-d8				102	80	120			
Sample ID: C08040580-016FMS	Sample Matrix Spike				Run: SATURNCA_080415A				04/15/08 18:51
Bromodichloromethane	94.4	ug/L	5.0	94	70	130			
Bromoform	92.8	ug/L	5.0	93	70	130			
Chlorodibromomethane	90.4	ug/L	5.0	90	70	130			
Chloroform	96.8	ug/L	5.0	97	70	130			
Trihalomethanes, Total	374	ug/L	5.0	94	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	96	80	120			
Surr: Dibromofluoromethane			1.0	86	80	120			
Surr: p-Bromofluorobenzene			1.0	101	80	120			
Surr: Toluene-d8			1.0	106	80	120			
Sample ID: C08040580-016FMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_080415A				04/15/08 19:29
Bromodichloromethane	99.2	ug/L	5.0	99	70	130	5.0	20	
Bromoform	102	ug/L	5.0	102	70	130	9.8	20	
Chlorodibromomethane	94.8	ug/L	5.0	95	70	130	4.8	20	
Chloroform	108	ug/L	5.0	108	70	130	11	20	
Trihalomethanes, Total	404	ug/L	5.0	101	70	130	7.6	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	107	80	120	0.0	10	
Surr: Dibromofluoromethane			1.0	89	80	120	0.0	10	
Surr: p-Bromofluorobenzene			1.0	106	80	120	0.0	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: 06/10/08
Work Order: C08040580

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R99679
Sample ID: C08040580-016FMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_080415A				04/15/08 19:29
Surr: Toluene-d8			1.0	102	80	120	0.0	10	
Method: E900.1									Batch: GA-0124
Sample ID: LCS-GA-0124	Laboratory Control Sample				Run: G5000W_080425A				04/28/08 17:59
Gross Alpha minus Rn & U	18.6	pCi/L	1.0	85	70	130			
Sample ID: MB-GA-0124	Method Blank				Run: G5000W_080425A				04/28/08 17:59
Gross Alpha minus Rn & U	0.7	pCi/L							
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: G5000W_080425A				04/28/08 19:41
Gross Alpha minus Rn & U	18.5	pCi/L	1.0	83	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: G5000W_080425A				04/28/08 19:41
Gross Alpha minus Rn & U	19.5	pCi/L	1.0	88	70	130	5.4	24.2	
Method: E903.0									Batch: RA226-2752
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770_080428C				05/06/08 11:31
Radium 226	6.1	pCi/L		95	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080428C				05/06/08 11:31
Radium 226	5.6	pCi/L		88	70	130	6.9	25.9	
Sample ID: MB-RA226-2752	Method Blank				Run: BERTHOLD 770_080428C				05/06/08 11:31
Radium 226	-0.2	pCi/L							U
Sample ID: LCS-RA226-2752	Laboratory Control Sample				Run: BERTHOLD 770_080428C				05/06/08 11:31
Radium 226	6.2	pCi/L		101	70	130			
Method: E903.0									Batch: RA226-2753
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770_080428D				05/07/08 11:27
Radium 226	6.0	pCi/L		93	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080428D				05/07/08 11:27
Radium 226	5.4	pCi/L		84	70	130	9.8	26.3	
Sample ID: MB-RA226-2753	Method Blank				Run: BERTHOLD 770_080428D				05/07/08 11:27
Radium 226	-0.1	pCi/L							U
Sample ID: LCS-RA226-2753	Laboratory Control Sample				Run: BERTHOLD 770_080428D				05/07/08 11:27
Radium 226	5.1	pCi/L		82	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: 06/10/08
Work Order: C08040580

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: R100341
Sample ID: LCS-R100341	Laboratory Control Sample				Run: EGG-ORTEC_080418B				04/18/08 13:30
Thorium 230	54.3	pCi/L	0.20	110	70	130			
Sample ID: C08040580-007EMS	Sample Matrix Spike				Run: EGG-ORTEC_080418B				04/18/08 13:30
Thorium 230	53.6	pCi/L	0.20	110	70	130			
Sample ID: C08040580-007EMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_080418B				04/18/08 13:30
Thorium 230	49.8	pCi/L	0.20	102	70	130	7.4	30	
Sample ID: MB-R100341	Method Blank				Run: EGG-ORTEC_080418B				04/18/08 13:30
Thorium 230	0.2	pCi/L							
Method: E909.0M									Batch: R100752
Sample ID: C08040580-002EMS	Sample Matrix Spike				Run: PACKARD 3100TR_080418D				04/18/08 11:15
Lead 210	870	pCi/L	1.0	147	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the RPD for the MS MSD pair are acceptable, the response is considered to be matrix related. The batch is approved.									
Sample ID: C08040580-002EMSD	Sample Matrix Spike Duplicate				Run: PACKARD 3100TR_080418D				04/18/08 11:15
Lead 210	720	pCi/L	1.0	121	70	130	19	30	
Sample ID: C08040580-008EDUP	Sample Duplicate				Run: PACKARD 3100TR_080418D				04/18/08 11:15
Lead 210	ND	pCi/L	1.0				0.0	30	
Sample ID: MB-R100752	Method Blank				Run: PACKARD 3100TR_080418D				04/18/08 11:15
Lead 210	ND	pCi/L							
Sample ID: LCS-R100752	Laboratory Control Sample				Run: PACKARD 3100TR_080418D				04/18/08 11:15
Lead 210	160	pCi/L	1.0	135	70	130			S
- The LCS for the run failed.									
Method: RA-05									Batch: RA228-2104
Sample ID: LCS-228-RA226-2752	Laboratory Control Sample				Run: TENNELEC-3_080428B				05/01/08 10:17
Radium 228	11	pCi/L		104	70	130			
Sample ID: MB-RA226-2752	Method Blank				Run: TENNELEC-3_080428B				05/01/08 10:17
Radium 228	0.3	pCi/L							U
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_080428B				05/01/08 10:17
Radium 228	9.4	pCi/L		94	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080428B				05/01/08 10:17
Radium 228	11	pCi/L		108	70	130	14	30	

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting 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: 06/10/08
Work Order: C08040580

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05									Batch: RA228-2107
Sample ID: LCS-228-RA226-2753	Laboratory Control Sample				Run: TENNELEC-3_080428E				05/02/08 13:55
Radium 228	10	pCi/L		100	70	130			
Sample ID: MB-RA226-2753	Method Blank				Run: TENNELEC-3_080428E				05/02/08 13:55
Radium 228	0.10	pCi/L							U
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_080428E				05/02/08 13:55
Radium 228	11	pCi/L		110	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080428E				05/02/08 13:55
Radium 228	10	pCi/L		106	70	130	4.4	32.4	

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

July 20, 2008

United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C08040580 Quote ID: C129 - Quarterly Long List

Project Name: Alluvium

Energy Laboratories, Inc. received the following 17 samples from United Nuclear Corp on 4/11/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08040580-001	509-D	04/07/08 09:15	04/11/08	Aqueous	Metals by ICP/ICPMS, Total Alkalinity QA Calculations Chloride Arsenic-III, Total Selenium-IV, Total Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics
C08040580-002	EPA-23	04/07/08 09:55	04/11/08	Aqueous	Same As Above
C08040580-003	803	04/07/08 10:30	04/11/08	Aqueous	Same As Above
C08040580-004	808	04/07/08 11:10	04/11/08	Aqueous	Same As Above
C08040580-005	802	04/07/08 12:05	04/11/08	Aqueous	Same As Above
C08040580-006	801	04/07/08 13:50	04/11/08	Aqueous	Same As Above
C08040580-007	GW-2	04/07/08 14:45	04/11/08	Aqueous	Same As Above
C08040580-008	GW-1	04/07/08 15:30	04/11/08	Aqueous	Same As Above
C08040580-009	632	04/07/08 16:10	04/11/08	Aqueous	Same As Above
C08040580-010	624	04/08/08 08:40	04/11/08	Aqueous	Same As Above
C08040580-011	SBL-1	04/08/08 09:20	04/11/08	Aqueous	Same As Above
C08040580-012	EPA-28	04/08/08 10:00	04/11/08	Aqueous	Same As Above
C08040580-013	EPA-28 Duplicate	04/08/08 10:35	04/11/08	Aqueous	Same As Above
C08040580-014	GW-3	04/08/08 12:55	04/11/08	Aqueous	Same As Above
C08040580-015	EPA-25	04/08/08 13:45	04/11/08	Aqueous	Same As Above
C08040580-016	627	04/08/08 14:35	04/11/08	Aqueous	Same As Above

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C08040580-017 Field Blank	04/09/08 11:40	04/11/08	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: 20-Jul-08

CLIENT: United Nuclear Corp
Project: Alluvium
Sample Delivery Group: C08040580

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

REVISED/SUPPLEMENTAL REPORT
This report was revised from a previously submitted report to correct U flags missing on some Radiochemical analyses. This correction was requested by James Ewart.

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
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

Revised Date: 07/20/08
Report Date: 06/10/08
Work Order: C08040580

Client: United Nuclear Corp
Project: Alluvium

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1									Batch: GA-0124
Sample ID: LCS-GA-0124	Laboratory Control Sample				Run: G5000W_080425A				04/28/08 17:59
Gross Alpha minus Rn & U	18.6	pCi/L	1.0	85	70	130			
Sample ID: MB-GA-0124	Method Blank				Run: G5000W_080425A				04/28/08 17:59
Gross Alpha minus Rn & U	0.7	pCi/L							U
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: G5000W_080425A				04/28/08 19:41
Gross Alpha minus Rn & U	18.5	pCi/L	1.0	83	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: G5000W_080425A				04/28/08 19:41
Gross Alpha minus Rn & U	19.5	pCi/L	1.0	88	70	130	5.4	24.2	
Method: E903.0									Batch: RA226-2752
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770_080428C				05/06/08 11:31
Radium 226	6.1	pCi/L		95	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080428C				05/06/08 11:31
Radium 226	5.6	pCi/L		88	70	130	6.9	25.9	
Sample ID: MB-RA226-2752	Method Blank				Run: BERTHOLD 770_080428C				05/06/08 11:31
Radium 226	-0.2	pCi/L							U
Sample ID: LCS-RA226-2752	Laboratory Control Sample				Run: BERTHOLD 770_080428C				05/06/08 11:31
Radium 226	6.2	pCi/L		101	70	130			
Method: E903.0									Batch: RA226-2753
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770_080428D				05/07/08 11:27
Radium 226	6.0	pCi/L		93	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080428D				05/07/08 11:27
Radium 226	5.4	pCi/L		84	70	130	9.8	26.3	
Sample ID: MB-RA226-2753	Method Blank				Run: BERTHOLD 770_080428D				05/07/08 11:27
Radium 226	-0.1	pCi/L							U
Sample ID: LCS-RA226-2753	Laboratory Control Sample				Run: BERTHOLD 770_080428D				05/07/08 11:27
Radium 226	5.1	pCi/L		82	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

Revised Date: 07/20/08
Report Date: 06/10/08
Work Order: C08040580

Client: United Nuclear Corp
Project: Alluvium

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: R100341
Sample ID: LCS-R100341	Laboratory Control Sample				Run: EGG-ORTEC_080418B				04/18/08 13:30
Thorium 230	54.3	pCi/L	0.20	110	70	130			
Sample ID: C08040580-007EMS	Sample Matrix Spike				Run: EGG-ORTEC_080418B				04/18/08 13:30
Thorium 230	53.6	pCi/L	0.20	110	70	130			
Sample ID: C08040580-007EMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_080418B				04/18/08 13:30
Thorium 230	49.8	pCi/L	0.20	102	70	130	7.4	30	
Sample ID: MB-R100341	Method Blank				Run: EGG-ORTEC_080418B				04/18/08 13:30
Thorium 230	0.2	pCi/L							
Method: E909.0M									Batch: R100752
Sample ID: C08040580-002EMS	Sample Matrix Spike				Run: PACKARD 3100TR_080418D				04/18/08 11:15
Lead 210	870	pCi/L	1.0	147	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the RPD for the MS MSD pair are acceptable, the response is considered to be matrix related. The batch is approved.									
Sample ID: C08040580-002EMSD	Sample Matrix Spike Duplicate				Run: PACKARD 3100TR_080418D				04/18/08 11:15
Lead 210	720	pCi/L	1.0	121	70	130	19	30	
Sample ID: C08040580-008EDUP	Sample Duplicate				Run: PACKARD 3100TR_080418D				04/18/08 11:15
Lead 210	ND	pCi/L	1.0				0.0	30	U
Sample ID: MB-R100752	Method Blank				Run: PACKARD 3100TR_080418D				04/18/08 11:15
Lead 210	ND	pCi/L							
Sample ID: LCS-R100752	Laboratory Control Sample				Run: PACKARD 3100TR_080418D				04/18/08 11:15
Lead 210	160	pCi/L	1.0	135	70	130			S
- The LCS for the run failed.									
Method: RA-05									Batch: RA228-2104
Sample ID: LCS-228-RA226-2752	Laboratory Control Sample				Run: TENNELEC-3_080428B				05/01/08 10:17
Radium 228	11	pCi/L		104	70	130			
Sample ID: MB-RA226-2752	Method Blank				Run: TENNELEC-3_080428B				05/01/08 10:17
Radium 228	0.3	pCi/L							U
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_080428B				05/01/08 10:17
Radium 228	9.4	pCi/L		94	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080428B				05/01/08 10:17
Radium 228	11	pCi/L		108	70	130	14	30	

Qualifiers:

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

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QA/QC Summary Report

Revised Date: 07/20/08
Report Date: 06/10/08
Work Order: C08040580

Client: United Nuclear Corp
Project: Alluvium

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05								Batch: RA228-2107	
Sample ID: LCS-228-RA226-2753	Laboratory Control Sample				Run: TENNELEC-3_080428E			05/02/08 13:55	
Radium 228	10	pCi/L		100	70	130			
Sample ID: MB-RA226-2753	Method Blank				Run: TENNELEC-3_080428E			05/02/08 13:55	
Radium 228	0.10pCi/L								U
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_080428E			05/02/08 13:55	
Radium 228	11	pCi/L		110	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080428E			05/02/08 13:55	
Radium 228	10	pCi/L		106	70	130	4.4	32.4	

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

May 27, 2008

United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C08040582 Quote ID: C129 - Quarterly Long List

Project Name: Zone 1

Energy Laboratories, Inc. received the following 3 samples from United Nuclear Corp on 4/11/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08040582-001	614	04/09/08 08:30	04/11/08	Aqueous	Metals by ICP/ICPMS, Total Alkalinity QA Calculations Chloride Arsenic-III, Total Selenium-IV, Total Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics
C08040582-002	604	04/09/08 09:35	04/11/08	Aqueous	Same As Above
C08040582-003	515-A	04/09/08 10:15	04/11/08	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: Kisa Bradley

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

Date: 27-May-08

CLIENT: United Nuclear Corp
Project: Zone 1
Sample Delivery Group: C08040582

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

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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Date: 15-Aug-08

CLIENT: United Nuclear Corp
Project: Zone 1
Sample Delivery Group: C08040582

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

REVISED/SUPPLEMENTAL REPORT - R2
This report was revised from a previously submitted report to include the Gross Alpha minus Rn & U result for C08010858-003 on the site tracker sheet for sample C08040582-002.

REVISED/SUPPLEMENTAL REPORT - R1
This report was revised from a previously submitted report to correct U flags missing on some Radiochemical analyses. This correction was requested by James Ewart.

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
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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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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 05/27/08
Work Order: C08040582

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: R99697
Sample ID: MBLK-1	Method Blank				Run: MANTECH_080415A				04/15/08 10:53
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_080415A				04/15/08 11:01
Alkalinity, Total as CaCO3	188	mg/L	1.0	94	90	110			
Sample ID: C08040577-003AMS	Sample Matrix Spike				Run: MANTECH_080415A				04/15/08 11:49
Alkalinity, Total as CaCO3	564	mg/L	1.0	79	90	110			S
Sample ID: C08040577-003AMSD	Sample Matrix Spike Duplicate				Run: MANTECH_080415A				04/15/08 11:56
Alkalinity, Total as CaCO3	568	mg/L	1.0	82	90	110	0.6	10	S
Method: A2540 C									Batch: 080414_1_SLDS-TDS-W
Sample ID: MBLK1_080414	Method Blank				Run: BAL-1_080414B				04/14/08 21:44
Solids, Total Dissolved TDS @ 180 C	10	mg/L	6						
Sample ID: LCS1_080414	Laboratory Control Sample				Run: BAL-1_080414B				04/14/08 21:45
Solids, Total Dissolved TDS @ 180 C	1030	mg/L	10	103	90	110			
Sample ID: C08040580-017BMS	Sample Matrix Spike				Run: BAL-1_080414B				04/14/08 22:39
Solids, Total Dissolved TDS @ 180 C	1960	mg/L	10	100	90	110			
Sample ID: C08040580-017BMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080414B				04/14/08 22:40
Solids, Total Dissolved TDS @ 180 C	1930	mg/L	10	101	90	110	1.6	10	
Method: A3114 B									Batch: H_R44677
Sample ID: MBLK_09r	Method Blank				Run: SUB-H44677				04/28/08 11:27
Arsenic-III	ND	ug/L	0.3						
Sample ID: H08040373-001FDUP	Sample Duplicate				Run: SUB-H44677				04/28/08 13:15
Arsenic-III	0.00214	mg/L	0.0050						
Sample ID: C08040890-006FMS	Sample Matrix Spike				Run: SUB-H44677				04/28/08 14:17
Arsenic-III	0.0477	mg/L	0.0050	93	70	130			
Sample ID: C08040890-006FMSD	Sample Matrix Spike Duplicate				Run: SUB-H44677				04/28/08 14:25
Arsenic-III	0.0525	mg/L	0.0050	102	70	130			

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: 05/27/08
Work Order: C08040582

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: SEIV-3114-080416B	
Sample ID: MBLK	Method Blank				Run: CVAA-C202_080416B			04/16/08 11:14	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-54-6	Laboratory Control Sample				Run: CVAA-C202_080416B			04/16/08 11:16	
Selenium-IV	0.0528	mg/L	0.0010	106	90	110			
Sample ID: C08040582-001CMS	Sample Matrix Spike				Run: CVAA-C202_080416B			04/16/08 11:21	
Selenium-IV	0.0525	mg/L	0.0010	103	85	115			
Sample ID: C08040582-001CMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_080416B			04/16/08 11:27	
Selenium-IV	0.0555	mg/L	0.0010	109	85	115	5.5	10	
Method: A4500-Cl B								Batch: 080417A-CL-TTR-W	
Sample ID: MBLK9-080417A	Method Blank				Run: TITRATION_080417A			04/17/08 09:47	
Chloride	ND	mg/L	0.4						
Sample ID: LCS35-080417A	Laboratory Control Sample				Run: TITRATION_080417A			04/17/08 11:04	
Chloride	3560	mg/L	1.0	100	90	110			
Sample ID: C08040580-015BMS	Sample Matrix Spike				Run: TITRATION_080417A			04/17/08 16:51	
Chloride	272	mg/L	1.0	101	90	110			
Sample ID: C08040580-015BMSD	Sample Matrix Spike Duplicate				Run: TITRATION_080417A			04/17/08 16:51	
Chloride	270	mg/L	1.0	100	90	110	0.7	10	
Method: A4500-H B								Analytical Run: ORION555A_080414B	
Sample ID: ICV1_080414_2	Initial Calibration Verification Standard							04/14/08 20:52	
pH	6.90	s.u.	0.010	101	98	102			
Method: A4500-H B								Batch: 080414_2_PH-W_555A-1	
Sample ID: C08040600-005ADUP	Sample Duplicate				Run: ORION555A_080414B			04/14/08 21:31	
pH	7.84	s.u.	0.010				0.9	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 05/27/08
Work Order: C08040582

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-SO4 E								Batch: 080418_1_SO4-TURB-W	
Sample ID: LCS-1_080418	Laboratory Control Sample				Run: TURB-2_080418A			04/18/08 10:41	
Sulfate	4930	mg/L	59	103	90	110			
Sample ID: MBLK-1_080418	Method Blank				Run: TURB-2_080418A			04/18/08 10:46	
Sulfate	ND	mg/L	0.6						
Sample ID: C08040577-003AMS	Sample Matrix Spike				Run: TURB-2_080418A			04/18/08 11:38	
Sulfate	3740	mg/L	59	102	90	110			
Sample ID: C08040577-003AMSD	Sample Matrix Spike Duplicate				Run: TURB-2_080418A			04/18/08 11:40	
Sulfate	3720	mg/L	59	101	90	110	0.5	10	
Method: E200.7								Batch: R100499	
Sample ID: MB-080430A	Method Blank				Run: ICP1-C_080430A			04/30/08 14:33	
Calcium	ND	mg/L	0.04						
Magnesium	ND	mg/L	0.04						
Potassium	0.08	mg/L	0.08						
Sodium	0.07	mg/L	0.06						
Sample ID: LFB-080430A	Laboratory Fortified Blank				Run: ICP1-C_080430A			04/30/08 14:36	
Calcium	51.8	mg/L	0.50	104	85	125			
Magnesium	52.3	mg/L	0.50	105	85	125			
Potassium	48.0	mg/L	0.50	96	85	125			
Sodium	51.2	mg/L	0.50	102	85	125			
Sample ID: C08040580-012CMS2	Sample Matrix Spike				Run: ICP1-C_080430A			04/30/08 19:46	
Calcium	1080	mg/L	1.2	98	70	130			
Magnesium	1020	mg/L	1.1	93	70	130			
Potassium	494	mg/L	1.0	94	70	130			
Sodium	751	mg/L	1.2	99	70	130			
Sample ID: C08040580-012CMSD2	Sample Matrix Spike Duplicate				Run: ICP1-C_080430A			04/30/08 19:50	
Calcium	1070	mg/L	1.2	97	70	130	0.6	20	
Magnesium	1010	mg/L	1.1	92	70	130	0.6	20	
Potassium	493	mg/L	1.0	94	70	130	0.2	20	
Sodium	746	mg/L	1.2	98	70	130	0.7	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 05/27/08
Work Order: C08040582

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: R100440	
Sample ID: LRB	Method Blank				Run: ICPMS2-C_080430A			04/30/08 12:23	
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_080430A			04/30/08 12:30	
Aluminum	0.0512	mg/L	0.0010	102	85	115			
Beryllium	0.0499	mg/L	0.0010	100	85	115			
Cadmium	0.0518	mg/L	0.0010	104	85	115			
Cobalt	0.0516	mg/L	0.0010	103	85	115			
Lead	0.0518	mg/L	0.0010	104	85	115			
Manganese	0.0515	mg/L	0.0010	103	85	115			
Molybdenum	0.0528	mg/L	0.0010	106	85	115			
Nickel	0.0519	mg/L	0.0010	104	85	115			
Uranium	0.0519	mg/L	0.00030	104	85	115			
Vanadium	0.0514	mg/L	0.0010	103	85	115			
Sample ID: C08040582-003CMS	Sample Matrix Spike				Run: ICPMS2-C_080430A			04/30/08 22:35	
Aluminum	2.75	mg/L	0.10	322	70	130			S
Beryllium	0.451	mg/L	0.010	90	70	130			
Cadmium	0.516	mg/L	0.010	102	70	130			
Cobalt	0.614	mg/L	0.010	112	70	130			
Lead	0.526	mg/L	0.050	105	70	130			
Manganese	36.6	mg/L	0.010		70	130			A
Molybdenum	0.559	mg/L	0.10	112	70	130			
Nickel	1.03	mg/L	0.050	151	70	130			S
Uranium	0.549	mg/L	0.00032	110	70	130			
Vanadium	0.539	mg/L	0.10	108	70	130			
Sample ID: C08040582-003CMSD	Sample Matrix Spike Duplicate				Run: ICPMS2-C_080430A			04/30/08 22:41	
Aluminum	2.71	mg/L	0.10	315	70	130	1.4	20	S
Beryllium	0.395	mg/L	0.010	79	70	130	13	20	
Cadmium	0.447	mg/L	0.010	88	70	130	14	20	
Cobalt	0.540	mg/L	0.010	97	70	130	13	20	
Lead	0.451	mg/L	0.050	90	70	130	15	20	

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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: E200.8								Batch: R100440	
Sample ID: C08040582-003CMSD	Sample Matrix Spike Duplicate				Run: ICPMS2-C_080430A			04/30/08 22:41	
Manganese	35.9	mg/L	0.010		70	130	2.0	20	A
Molybdenum	0.484	mg/L	0.10	97	70	130	14	20	
Nickel	0.963	mg/L	0.050	138	70	130	6.5	20	S
Uranium	0.467	mg/L	0.00032	93	70	130	16	20	
Vanadium	0.455	mg/L	0.10	91	70	130	17	20	
Sample ID: C08040776-002CMS4	Post Digestion Spike				Run: ICPMS2-C_080430A			05/01/08 04:47	
Aluminum	0.0508	mg/L	0.10	93	70	130			
Beryllium	0.0462	mg/L	0.010	92	70	130			
Cadmium	0.0491	mg/L	0.010	98	70	130			
Cobalt	0.0476	mg/L	0.010	95	70	130			
Lead	0.0502	mg/L	0.050	100	70	130			
Manganese	0.0489	mg/L	0.010	95	70	130			
Molybdenum	0.793	mg/L	0.10		70	130			A
Nickel	0.0479	mg/L	0.050	96	70	130			
Uranium	0.232	mg/L	0.00030	117	70	130			
Vanadium	0.0745	mg/L	0.10	99	70	130			
Sample ID: C08040776-002CMSD4	Post Digestion Spike Duplicate				Run: ICPMS2-C_080430A			05/01/08 05:14	
Aluminum	0.0520	mg/L	0.10	95	70	130	0.0	20	
Beryllium	0.0493	mg/L	0.010	99	70	130	6.5	20	
Cadmium	0.0491	mg/L	0.010	98	70	130	0.0	20	
Cobalt	0.0480	mg/L	0.010	96	70	130	0.9	20	
Lead	0.0517	mg/L	0.050	103	70	130	2.8	20	
Manganese	0.0494	mg/L	0.010	96	70	130	1.0	20	
Molybdenum	0.787	mg/L	0.10		70	130	0.6	20	A
Nickel	0.0489	mg/L	0.050	98	70	130	0.0	20	
Uranium	0.229	mg/L	0.00030	112	70	130	1.2	20	
Vanadium	0.0742	mg/L	0.10	98	70	130	0.0	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: Zone 1

Report Date: 05/27/08
Work Order: C08040582

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E350.1									Batch: B_R109590
Sample ID: MBLK	Method Blank				Run: SUB-B109590				04/23/08 11:41
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B109590				04/23/08 11:42
Nitrogen, Ammonia as N	1.04	mg/L	0.10	105	90	110			
Sample ID: C08040788-001C	Sample Matrix Spike				Run: SUB-B109590				04/23/08 12:18
Nitrogen, Ammonia as N	11.6	mg/L	0.19	104	90	110			
Sample ID: C08040788-001C	Sample Matrix Spike Duplicate				Run: SUB-B109590				04/23/08 12:19
Nitrogen, Ammonia as N	11.7	mg/L	0.19	105	90	110	0.9	10	
Method: E350.1									Batch: B_R109620
Sample ID: MBLK	Method Blank				Run: SUB-B109620				04/24/08 07:52
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B109620				04/24/08 07:53
Nitrogen, Ammonia as N	1.02	mg/L	0.10	103	90	110			
Sample ID: B08042267-001BMS	Sample Matrix Spike				Run: SUB-B109620				04/24/08 07:58
Nitrogen, Ammonia as N	1.16	mg/L	0.10	105	90	110			
Sample ID: B08042267-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-B109620				04/24/08 07:59
Nitrogen, Ammonia as N	1.14	mg/L	0.10	104	90	110	1.1	10	
Method: E350.1									Batch: B_R109754
Sample ID: MBLK	Method Blank				Run: SUB-B109754				04/25/08 10:33
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B109754				04/25/08 10:34
Nitrogen, Ammonia as N	1.03	mg/L	0.10	104	90	110			
Sample ID: B08042436-001EMS	Sample Matrix Spike				Run: SUB-B109754				04/25/08 10:54
Nitrogen, Ammonia as N	1.22	mg/L	0.10	100	90	110			
Sample ID: B08042436-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-B109754				04/25/08 10:55
Nitrogen, Ammonia as N	1.21	mg/L	0.10	99	90	110	0.7	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 05/27/08
Work Order: C08040582

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2									Batch: B_R109393
Sample ID: MBLK	Method Blank				Run: SUB-B109393				04/19/08 06:37
Nitrogen, Nitrate+Nitrite as N	0.006	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B109393				04/19/08 06:39
Nitrogen, Nitrate+Nitrite as N	1.00	mg/L	0.050	102	90	110			
Sample ID: C08040580-017A	Sample Matrix Spike				Run: SUB-B109393				04/19/08 08:37
Nitrogen, Nitrate+Nitrite as N	0.999	mg/L	0.050	99	90	110			
Sample ID: C08040580-017A	Sample Matrix Spike Duplicate				Run: SUB-B109393				04/19/08 08:38
Nitrogen, Nitrate+Nitrite as N	0.987	mg/L	0.050	98	90	110	1.2	10	
Method: E353.2									Batch: B_R109436
Sample ID: MBLK	Method Blank				Run: SUB-B109436				04/21/08 10:40
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B109436				04/21/08 10:41
Nitrogen, Nitrate+Nitrite as N	1.01	mg/L	0.050	104	90	110			
Sample ID: C08040580-004A	Sample Matrix Spike				Run: SUB-B109436				04/21/08 10:47
Nitrogen, Nitrate+Nitrite as N	239	mg/L	0.16	108	90	110			
Sample ID: C08040580-004A	Sample Matrix Spike Duplicate				Run: SUB-B109436				04/21/08 10:48
Nitrogen, Nitrate+Nitrite as N	239	mg/L	0.16	108	90	110	0.1	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: Zone 1

Report Date: 05/27/08
Work Order: C08040582

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R99607
Sample ID: 14-Apr-08_LCS_3	Laboratory Control Sample				Run: GCMS2_080414C				04/14/08 11:16
Bromodichloromethane	5.32	ug/L	1.0	106	70	130			
Bromoform	4.80	ug/L	1.0	96	70	130			
Chlorodibromomethane	5.12	ug/L	1.0	102	70	130			
Chloroform	4.84	ug/L	1.0	97	70	130			
Trihalomethanes, Total	20.1	ug/L	1.0	100	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	98	80	120			
Surr: Dibromofluoromethane			1.0	93	80	120			
Surr: p-Bromofluorobenzene			1.0	102	80	120			
Surr: Toluene-d8			1.0	101	80	120			
Sample ID: 14-Apr-08_MBLK_6	Method Blank				Run: GCMS2_080414C				04/14/08 13:14
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				101	80	120			
Surr: Dibromofluoromethane				95	80	120			
Surr: p-Bromofluorobenzene				103	80	120			
Surr: Toluene-d8				99	80	120			
Sample ID: C08040584-001FMS	Sample Matrix Spike				Run: GCMS2_080414C				04/15/08 06:11
Bromodichloromethane	104	ug/L	5.0	104	70	130			
Bromoform	102	ug/L	5.0	102	70	130			
Chlorodibromomethane	100	ug/L	5.0	100	70	130			
Chloroform	206	ug/L	5.0	109	70	130			
Trihalomethanes, Total	513	ug/L	5.0	104	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	103	80	120			
Surr: Dibromofluoromethane			1.0	101	80	120			
Surr: p-Bromofluorobenzene			1.0	106	80	120			
Surr: Toluene-d8			1.0	100	80	120			
Sample ID: C08040584-001FMSD	Sample Matrix Spike Duplicate				Run: GCMS2_080414C				04/15/08 06:52
Bromodichloromethane	106	ug/L	5.0	106	70	130	1.1	20	
Bromoform	106	ug/L	5.0	106	70	130	3.8	20	
Chlorodibromomethane	104	ug/L	5.0	104	70	130	4.3	20	
Chloroform	212	ug/L	5.0	115	70	130	2.9	20	
Trihalomethanes, Total	529	ug/L	5.0	108	70	130	3.0	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	103	80	120	0.0	10	
Surr: Dibromofluoromethane			1.0	102	80	120	0.0	10	
Surr: p-Bromofluorobenzene			1.0	105	80	120	0.0	10	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 05/27/08
Work Order: C08040582

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R99607
Sample ID: C08040584-001FMSD	Sample Matrix Spike Duplicate				Run: GCMS2_080414C				04/15/08 06:52
Surr: Toluene-d8			1.0	99	80	120	0.0	10	
Method: E900.1									Batch: GA-0121
Sample ID: LCS-GA-0121	Laboratory Control Sample				Run: G5000W_080415A				04/17/08 13:47
Gross Alpha minus Rn & U	23.9	pCi/L	1.0	110	70	130			
Sample ID: MB-GA-0121	Method Blank				Run: G5000W_080415A				04/17/08 13:47
Gross Alpha minus Rn & U	0.7	pCi/L							
Sample ID: C08040314-001AMS	Sample Matrix Spike				Run: G5000W_080415A				04/17/08 13:47
Gross Alpha minus Rn & U	21.7	pCi/L	1.0	98	70	130			
Sample ID: C08040314-001AMSD	Sample Matrix Spike Duplicate				Run: G5000W_080415A				04/17/08 13:47
Gross Alpha minus Rn & U	22.1	pCi/L	1.0	100	70	130	1.9	26	
Method: E903.0									Batch: RA226-2754
Sample ID: C08040732-001GMS	Sample Matrix Spike				Run: BERTHOLD 770_080428F				05/07/08 10:09
Radium 226	24	pCi/L		71	70	130			
Sample ID: C08040732-001GMSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080428F				05/07/08 12:07
Radium 226	25	pCi/L		81	70	130	5.3	21.5	
Sample ID: MB-RA226-2754	Method Blank				Run: BERTHOLD 770_080428F				05/07/08 12:07
Radium 226	-0.1	pCi/L							U
Sample ID: LCS-RA226-2754	Laboratory Control Sample				Run: BERTHOLD 770_080428F				05/07/08 12:07
Radium 226	5.7	pCi/L		92	70	130			
Method: E907.0									Batch: R100560
Sample ID: LCS-R100560	Laboratory Control Sample				Run: EGG-ORTEC_080422A				04/22/08 15:00
Thorium 230	7.40	pCi/L	0.20	106	70	130			
Sample ID: C08030343-008CMS	Sample Matrix Spike				Run: EGG-ORTEC_080422A				04/22/08 15:00
Thorium 230	16.1	pCi/L	0.20	98	70	130			
Sample ID: C08030343-008CMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_080422A				04/22/08 15:00
Thorium 230	16.5	pCi/L	0.20	101	70	130	2.5	30	
Sample ID: MB-R100560	Method Blank				Run: EGG-ORTEC_080422A				04/22/08 15:00
Thorium 230	ND	pCi/L							

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 1

Report Date: 05/27/08
Work Order: C08040582

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: R100651
Sample ID: C08040396-002FMS	Sample Matrix Spike				Run: PACKARD 3100TR_080418C				04/18/08 08:00
Lead 210	420	pCi/L	1.0	71	70	130			
Sample ID: C08040396-002FMSD	Sample Matrix Spike Duplicate				Run: PACKARD 3100TR_080418C				04/18/08 08:00
Lead 210	540	pCi/L	1.0	92	70	130	25	30	
Sample ID: MB-R100651	Method Blank				Run: PACKARD 3100TR_080418C				04/18/08 08:00
Lead 210		pCi/L							
Sample ID: LCS-R100651	Laboratory Control Sample				Run: PACKARD 3100TR_080418C				04/18/08 08:00
Lead 210	93	pCi/L	1.0	78	70	130			
Method: RA-05									Batch: RA228-2105
Sample ID: LCS-228-RA226-2754	Laboratory Control Sample				Run: TENNELEC-3_080428C				05/02/08 09:02
Radium 228	9.4	pCi/L		92	70	130			
Sample ID: MB-RA226-2754	Method Blank				Run: TENNELEC-3_080428C				05/02/08 09:02
Radium 228	0.3	pCi/L							U
Sample ID: C08040776-009DMS	Sample Matrix Spike				Run: TENNELEC-3_080428C				05/02/08 09:02
Radium 228	22	pCi/L		114	70	130			
Sample ID: C08040776-009DMSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080428C				05/02/08 09:02
Radium 228	19	pCi/L		98	70	130	15	30.2	

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

July 20, 2008

United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C08040582 Quote ID: C129 - Quarterly Long List

Project Name: Zone 1

Energy Laboratories, Inc. received the following 3 samples from United Nuclear Corp on 4/11/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08040582-001	614	04/09/08 08:30	04/11/08	Aqueous	Metals by ICP/ICPMS, Total Alkalinity QA Calculations Chloride Arsenic-III, Total Selenium-IV, Total Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics
C08040582-002	604	04/09/08 09:35	04/11/08	Aqueous	Same As Above
C08040582-003	515-A	04/09/08 10:15	04/11/08	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

ENERGY LABORATORIES, INC. • 2393 Salt Creek Highway (82601) • P.O. Box 3258 • Casper, WY 82602
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Date: 20-Jul-08

CLIENT: United Nuclear Corp
Project: Zone 1
Sample Delivery Group: C08040582

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

REVISED/SUPPLEMENTAL REPORT
This report was revised from a previously submitted report to correct U flags missing on some Radiochemical analyses. This correction was requested by James Ewart.

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
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

Revised Date: 07/20/08
Report Date: 05/27/08
Work Order: C08040582

Client: United Nuclear Corp
Project: Zone 1

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1									Batch: GA-0121
Sample ID: LCS-GA-0121	Laboratory Control Sample				Run: G5000W_080415A				04/17/08 13:47
Gross Alpha minus Rn & U	23.9	pCi/L	1.0	110	70	130			
Sample ID: MB-GA-0121	Method Blank				Run: G5000W_080415A				04/17/08 13:47
Gross Alpha minus Rn & U	0.7	pCi/L							U
Sample ID: C08040314-001AMS	Sample Matrix Spike				Run: G5000W_080415A				04/17/08 13:47
Gross Alpha minus Rn & U	21.7	pCi/L	1.0	98	70	130			
Sample ID: C08040314-001AMSD	Sample Matrix Spike Duplicate				Run: G5000W_080415A				04/17/08 13:47
Gross Alpha minus Rn & U	22.1	pCi/L	1.0	100	70	130	1.9	26	
Method: E903.0									Batch: RA226-2754
Sample ID: C08040732-001GMS	Sample Matrix Spike				Run: BERTHOLD 770_080428F				05/07/08 10:09
Radium 226	24	pCi/L		71	70	130			
Sample ID: C08040732-001GMSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080428F				05/07/08 12:07
Radium 226	25	pCi/L		81	70	130	5.3	21.5	
Sample ID: MB-RA226-2754	Method Blank				Run: BERTHOLD 770_080428F				05/07/08 12:07
Radium 226	-0.1	pCi/L							U
Sample ID: LCS-RA226-2754	Laboratory Control Sample				Run: BERTHOLD 770_080428F				05/07/08 12:07
Radium 226	5.7	pCi/L		92	70	130			
Method: E907.0									Batch: R100560
Sample ID: LCS-R100560	Laboratory Control Sample				Run: EGG-ORTEC_080422A				04/22/08 15:00
Thorium 230	7.40	pCi/L	0.20	106	70	130			
Sample ID: C08030343-008CMS	Sample Matrix Spike				Run: EGG-ORTEC_080422A				04/22/08 15:00
Thorium 230	16.1	pCi/L	0.20	98	70	130			
Sample ID: C08030343-008CMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_080422A				04/22/08 15:00
Thorium 230	16.5	pCi/L	0.20	101	70	130	2.5	30	
Sample ID: MB-R100560	Method Blank				Run: EGG-ORTEC_080422A				04/22/08 15:00
Thorium 230	ND	pCi/L							U

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

Revised Date: 07/20/08
Report Date: 05/27/08
Work Order: C08040582

Client: United Nuclear Corp
Project: Zone 1

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: R100651
Sample ID: C08040396-002FMS	Sample Matrix Spike				Run: PACKARD 3100TR_080418C				04/18/08 08:00
Lead 210	420	pCi/L	1.0	71	70	130			
Sample ID: C08040396-002FMSD	Sample Matrix Spike Duplicate				Run: PACKARD 3100TR_080418C				04/18/08 08:00
Lead 210	540	pCi/L	1.0	92	70	130	25	30	
Sample ID: MB-R100651	Method Blank				Run: PACKARD 3100TR_080418C				04/18/08 08:00
Lead 210		pCi/L							U
Sample ID: LCS-R100651	Laboratory Control Sample				Run: PACKARD 3100TR_080418C				04/18/08 08:00
Lead 210	93	pCi/L	1.0	78	70	130			
Method: RA-05									Batch: RA228-2105
Sample ID: LCS-228-RA226-2754	Laboratory Control Sample				Run: TENNELEC-3_080428C				05/02/08 09:02
Radium 228	9.4	pCi/L		92	70	130			
Sample ID: MB-RA226-2754	Method Blank				Run: TENNELEC-3_080428C				05/02/08 09:02
Radium 228	0.3	pCi/L							U
Sample ID: C08040776-009DMS	Sample Matrix Spike				Run: TENNELEC-3_080428C				05/02/08 09:02
Radium 228	22	pCi/L		114	70	130			
Sample ID: C08040776-009DMSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080428C				05/02/08 09:02
Radium 228	19	pCi/L		98	70	130	15	30.2	

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

June 09, 2008

United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C08040890 Quote ID: C129 - Quarterly Long List

Project Name: Zone 1

Energy Laboratories, Inc. received the following 7 samples from United Nuclear Corp on 4/18/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08040890-001	TWQ-142	04/16/08 08:30	04/18/08	Aqueous	Metals by ICP/ICPMS, Total Alkalinity Chloride Arsenic-III, Total Selenium-IV, Total Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics
C08040890-002	EPA-2	04/14/08 11:15	04/18/08	Aqueous	Same As Above
C08040890-003	EPA-2 Duplicate	04/14/08 11:45	04/18/08	Aqueous	Same As Above
C08040890-004	EPA-4	04/14/08 13:35	04/18/08	Aqueous	Same As Above
C08040890-005	EPA-5	04/14/08 09:20	04/18/08	Aqueous	Same As Above
C08040890-006	EPA-7	04/14/08 10:05	04/18/08	Aqueous	Same As Above
C08040890-007	Field Blank	04/16/08 10:30	04/18/08	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:

James Yocum
Quality Assurance Director

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Date: 09-Jun-08

CLIENT: United Nuclear Corp
Project: Zone 1
Sample Delivery Group: C08040890

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

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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Date: 15-Aug-08

CLIENT: United Nuclear Corp
Project: Zone 1
Sample Delivery Group: C08040890

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

REVISED/SUPPLEMENTAL REPORT - R2
This report was revised from a previously submitted report to correct the collection dates, receive dates, and report dates on the site tracker sheet for sample C08040890-003.

REVISED/SUPPLEMENTAL REPORT - R1
This report was revised from a previously submitted report to correct U flags missing on some Radiochemical analyses. This correction was requested by James Ewart.

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
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: 06/09/08
Work Order: C08040890

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: R100134
Sample ID: MBLK-1	Method Blank				Run: MANTECH_080424A				04/24/08 10:43
Bicarbonate as HCO3	ND	mg/L	1						
Method: A2540 C									Batch: 080421_1_SLDS-TDS-W
Sample ID: MBLK1_080421	Method Blank				Run: BAL-1_080422A				04/21/08 15:25
Solids, Total Dissolved TDS @ 180 C	30	mg/L	6						
Sample ID: LCS1_080421	Laboratory Control Sample				Run: BAL-1_080422A				04/21/08 15:26
Solids, Total Dissolved TDS @ 180 C	1000	mg/L	10	98	90	110			
Sample ID: C08040890-007BMS	Sample Matrix Spike				Run: BAL-1_080422A				04/21/08 15:39
Solids, Total Dissolved TDS @ 180 C	1930	mg/L	10	100	90	110			
Sample ID: C08040890-007BMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080422A				04/21/08 15:39
Solids, Total Dissolved TDS @ 180 C	1920	mg/L	10	101	90	110	0.8	10	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 06/09/08
Work Order: C08040890

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B									Analytical Run: SUB-H44677
Sample ID: CCV_10r	Continuing Calibration Verification Standard								04/28/08 11:35
Arsenic-III	26	ug/L	1.0	105	90	110			
Sample ID: Blank	Continuing Calibration Blank								04/28/08 11:43
Arsenic-III	ND	ug/L	1.0						
Sample ID: CCV_36r	Continuing Calibration Verification Standard								04/28/08 13:23
Arsenic-III	24.2	ug/L	5.0	97	90	110			
Sample ID: Blank	Continuing Calibration Blank								04/28/08 13:31
Arsenic-III	ND	ug/L	5.0						
Sample ID: CCV_36r	Continuing Calibration Verification Standard								04/28/08 14:56
Arsenic-III	23.6	ug/L	5.0	94	90	110			
Sample ID: Blank	Continuing Calibration Blank								04/28/08 15:03
Arsenic-III	ND	ug/L	5.0						
Method: A3114 B									Batch: H_R44677
Sample ID: MBLK_09r	Method Blank				Run: SUB-H44677				04/28/08 11:27
Arsenic-III	ND	ug/L	0.3						
Sample ID: H08040373-001FDUP	Sample Duplicate				Run: SUB-H44677				04/28/08 13:15
Arsenic-III	0.00214	mg/L	0.0050						
Sample ID: C08040890-006FMS	Sample Matrix Spike				Run: SUB-H44677				04/28/08 14:17
Arsenic-III	0.0477	mg/L	0.0050	93	70	130			
Sample ID: C08040890-006FMSD	Sample Matrix Spike Duplicate				Run: SUB-H44677				04/28/08 14:25
Arsenic-III	0.0525	mg/L	0.0050	102	70	130			
Method: A3114 B									Batch: SEIV-3114-080423A
Sample ID: MBLK	Method Blank				Run: CVAA-C202_080423B				04/23/08 15:28
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-62-1	Laboratory Control Sample				Run: CVAA-C202_080423B				04/23/08 15:30
Selenium-IV	0.0494	mg/L	0.0010	99	90	110			
Sample ID: C08040845-001HMS	Sample Matrix Spike				Run: CVAA-C202_080423B				04/23/08 15:43
Selenium-IV	0.0458	mg/L	0.0010	92	85	115			
Sample ID: C08040845-001HMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_080423B				04/23/08 15:47
Selenium-IV	0.0448	mg/L	0.0010	90	85	115	2.1	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 06/09/08
Work Order: C08040890

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: SEIV-3114-080430	
Sample ID: MBLK	Method Blank				Run: CVAA-C202_080430A			04/30/08 11:39	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-66-6	Laboratory Control Sample				Run: CVAA-C202_080430A			04/30/08 11:41	
Selenium-IV	0.0514	mg/L	0.0010	103	90	110			
Sample ID: C08040890-007EMS	Sample Matrix Spike				Run: CVAA-C202_080430A			04/30/08 11:45	
Selenium-IV	0.0482	mg/L	0.0010	96	85	115			
Sample ID: C08040890-007EMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_080430A			04/30/08 11:47	
Selenium-IV	0.0479	mg/L	0.0010	96	85	115	0.7	10	
Method: A4500-Cl B								Batch: 080428A-CL-TTR-W	
Sample ID: MBLK9-080428A	Method Blank				Run: TITRATION_080428B			04/28/08 13:19	
Chloride	ND	mg/L	0.4						
Sample ID: C08040890-005CMS	Sample Matrix Spike				Run: TITRATION_080428B			04/28/08 15:24	
Chloride	120	mg/L	1.0	101	90	110			
Sample ID: C08040890-005CMSD	Sample Matrix Spike Duplicate				Run: TITRATION_080428B			04/28/08 15:26	
Chloride	119	mg/L	1.0	100	90	110	0.6	10	
Sample ID: LCS35-080428A	Laboratory Control Sample				Run: TITRATION_080428B			04/28/08 15:33	
Chloride	3630	mg/L	1.0	102	90	110			
Method: A4500-H B								Analytical Run: ORION555A_080422A	
Sample ID: ICV1_080422_1	Initial Calibration Verification Standard							04/22/08 15:16	
pH	6.95	s.u.	0.010	101	98	102			
Sample ID: CCV1_080422_1	Continuing Calibration Verification Standard							04/22/08 16:20	
pH	7.14	s.u.	0.010	102	98	102			
Method: A4500-H B								Batch: 080422_1_PH-W_555A-1	
Sample ID: C08040890-003BDUP	Sample Duplicate				Run: ORION555A_080422A			04/22/08 16:17	
pH	7.12	s.u.	0.010				2.6	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 06/09/08
Work Order: C08040890

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-SO4 E								Batch: 080424_1_SO4-TURB-W	
Sample ID: LCS-1_080424	Laboratory Control Sample				Run: TURB-2_080424A				04/24/08 12:38
Sulfate	4970	mg/L	59	104	90	110			
Sample ID: MBLK-1_080424	Method Blank				Run: TURB-2_080424A				04/24/08 12:38
Sulfate	ND	mg/L	0.6						
Sample ID: C08040872-007CMS	Sample Matrix Spike				Run: TURB-2_080424A				04/24/08 12:59
Sulfate	2370	mg/L	30	107	90	110			
Sample ID: C08040872-007CMSD	Sample Matrix Spike Duplicate				Run: TURB-2_080424A				04/24/08 13:00
Sulfate	2360	mg/L	30	105	90	110	0.6	10	
Sample ID: C08040891-001CMS	Sample Matrix Spike				Run: TURB-2_080424A				04/24/08 13:47
Sulfate	4140	mg/L	59	106	90	110			
Sample ID: C08040891-001CMSD	Sample Matrix Spike Duplicate				Run: TURB-2_080424A				04/24/08 13:48
Sulfate	4140	mg/L	59	106	90	110	0.0	10	
Method: E1632AM								Analytical Run: SUB-H44677	
Sample ID: AS080428-ICV	Initial Calibration Verification Standard								04/28/08 11:19
Arsenic-III	27	ug/L	1.0	108	90	110			

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 06/09/08
Work Order: C08040890

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R100898
Sample ID: MB-080508A	Method Blank				Run: ICP2-C_080508A				05/08/08 13:02
Aluminum	ND	mg/L	0.004						
Beryllium	ND	mg/L	0.0003						
Calcium	ND	mg/L	0.1						
Cobalt	ND	mg/L	0.002						
Lead	ND	mg/L	0.01						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	0.02	mg/L	0.003						
Sample ID: LFB-080508A	Laboratory Fortified Blank				Run: ICP2-C_080508A				05/08/08 13:06
Aluminum	0.952	mg/L	0.10	95	85	125			
Beryllium	0.989	mg/L	0.010	99	85	125			
Calcium	53.9	mg/L	0.50	108	85	125			
Cobalt	1.02	mg/L	0.010	102	85	125			
Lead	1.09	mg/L	0.050	109	85	125			
Magnesium	53.4	mg/L	0.50	107	85	125			
Manganese	1.01	mg/L	0.010	101	85	125			
Molybdenum	0.984	mg/L	0.10	98	85	125			
Nickel	1.01	mg/L	0.050	101	85	125			
Potassium	46.4	mg/L	0.50	93	85	125			
Sodium	51.0	mg/L	0.77	102	85	125			
Vanadium	1.07	mg/L	0.10	105	85	125			
Sample ID: C08040891-001EMS2	Sample Matrix Spike				Run: ICP2-C_080508A				05/08/08 18:59
Aluminum	4.85	mg/L	0.10	92	70	130			
Beryllium	4.78	mg/L	0.010	94	70	130			
Calcium	943	mg/L	1.0	97	70	130			
Cobalt	4.86	mg/L	0.016	95	70	130			
Lead	5.56	mg/L	0.050	109	70	130			
Magnesium	411	mg/L	1.0	107	70	130			
Manganese	6.67	mg/L	0.010	95	70	130			
Molybdenum	5.07	mg/L	0.10	92	70	130			
Nickel	4.88	mg/L	0.050	96	70	130			
Potassium	244	mg/L	1.0	93	70	130			
Sodium	390	mg/L	2.7	98	70	130			
Vanadium	5.46	mg/L	0.10	106	70	130			

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 06/09/08
Work Order: C08040890

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R100898
Sample ID: C08040891-001EMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_080508A				05/08/08 19:03
Aluminum	4.87	mg/L	0.10	93	70	130	0.4	20	
Beryllium	4.77	mg/L	0.010	94	70	130	0.3	20	
Calcium	949	mg/L	1.0	100	70	130	0.6	20	
Cobalt	4.88	mg/L	0.016	96	70	130	0.4	20	
Lead	5.52	mg/L	0.050	108	70	130	0.7	20	
Magnesium	400	mg/L	1.0	103	70	130	2.6	20	
Manganese	6.66	mg/L	0.010	95	70	130	0.2	20	
Molybdenum	5.06	mg/L	0.10	92	70	130	0.2	20	
Nickel	4.91	mg/L	0.050	96	70	130	0.6	20	
Potassium	246	mg/L	1.0	94	70	130	0.6	20	
Sodium	394	mg/L	2.7	100	70	130	0.9	20	
Vanadium	5.38	mg/L	0.10	104	70	130	1.6	20	
Method: E200.8									Batch: R100906
Sample ID: LRB	Method Blank				Run: ICPMS2-C_080509A				05/09/08 10:29
Cadmium	1E-05	mg/L	1E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS2-C_080509A				05/09/08 10:36
Cadmium	0.0508	mg/L	0.0010	102	85	115			
Uranium	0.0508	mg/L	0.00030	101	85	115			
Sample ID: C08040872-001AMS4	Post Digestion Spike				Run: ICPMS2-C_080509A				05/09/08 19:52
Cadmium	0.236	mg/L	0.010	94	70	130			
Uranium	0.301	mg/L	0.00030	114	70	130			
Sample ID: C08040872-001AMSD4	Post Digestion Spike Duplicate				Run: ICPMS2-C_080509A				05/09/08 19:59
Cadmium	0.240	mg/L	0.010	96	70	130	1.6	20	
Uranium	0.303	mg/L	0.00030	115	70	130	0.8	20	
Sample ID: C08040891-003EMS4	Post Digestion Spike				Run: ICPMS2-C_080509A				05/09/08 21:41
Cadmium	0.257	mg/L	0.010	100	70	130			
Uranium	0.325	mg/L	0.00030	109	70	130			
Sample ID: C08040891-003EMSD4	Post Digestion Spike Duplicate				Run: ICPMS2-C_080509A				05/09/08 21:47
Cadmium	0.251	mg/L	0.010	97	70	130	2.3	20	
Uranium	0.319	mg/L	0.00030	107	70	130	1.8	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 06/09/08
Work Order: C08040890

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R101256
Sample ID: LRB	Method Blank				Run: ICPMS2-C_080516A				05/16/08 11:59
Cobalt	ND	mg/L	2E-05						
Nickel	ND	mg/L	0.0007						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS2-C_080516A				05/16/08 12:06
Cobalt	0.0525	mg/L	0.0010	105	85	115			
Nickel	0.0529	mg/L	0.0010	106	85	115			
Sample ID: C08041245-001AMS	Sample Matrix Spike				Run: ICPMS2-C_080516A				05/16/08 13:54
Cobalt	0.0437	mg/L	0.0010	87	70	130			
Nickel	0.0521	mg/L	0.0010	95	70	130			
Sample ID: C08041245-001AMSD	Sample Matrix Spike Duplicate				Run: ICPMS2-C_080516A				05/16/08 14:01
Cobalt	0.0435	mg/L	0.0010	86	70	130	0.5	20	
Nickel	0.0526	mg/L	0.0010	96	70	130	0.8	20	
Sample ID: C08040891-005EMS4	Post Digestion Spike				Run: ICPMS2-C_080516A				05/16/08 16:30
Nickel	0.377	mg/L	0.050	97	70	130			
Sample ID: C08040891-005EMSD4	Post Digestion Spike Duplicate				Run: ICPMS2-C_080516A				05/16/08 16:37
Nickel	0.370	mg/L	0.050	94	70	130	1.9	20	
Method: E200.8									Batch: R101379
Sample ID: LRB	Method Blank				Run: ICPMS2-C_080519A				05/19/08 12:19
Cobalt	ND	mg/L	2E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS2-C_080519A				05/19/08 12:26
Cobalt	0.0500	mg/L	0.0010	100	85	115			
Sample ID: C08050096-003BMS4	Post Digestion Spike				Run: ICPMS2-C_080519A				05/20/08 06:20
Cobalt	0.0462	mg/L	0.010	92	70	130			
Sample ID: C08050096-003BMSD4	Post Digestion Spike Duplicate				Run: ICPMS2-C_080519A				05/20/08 06:27
Cobalt	0.0488	mg/L	0.010	98	70	130	5.6	20	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 06/09/08
Work Order: C08040890

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E350.1								Analytical Run: SUB-B109620	
Sample ID: ICV	Initial Calibration Verification Standard							04/24/08 07:51	
Nitrogen, Ammonia as N	5.75	mg/L	0.11	105	90	110			
Method: E350.1								Batch: B_R109620	
Sample ID: MBLK	Method Blank				Run: SUB-B109620			04/24/08 07:52	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B109620			04/24/08 07:53	
Nitrogen, Ammonia as N	1.02	mg/L	0.10	103	90	110			
Sample ID: B08042283-003DMS	Sample Matrix Spike				Run: SUB-B109620			04/24/08 10:22	
Nitrogen, Ammonia as N	1.14	mg/L	0.10	80	90	110			S
Sample ID: B08042283-003DMSD	Sample Matrix Spike Duplicate				Run: SUB-B109620			04/24/08 10:23	
Nitrogen, Ammonia as N	1.17	mg/L	0.10	82	90	110	2.3	10	S
Sample ID: B08041909-002CMS	Sample Matrix Spike				Run: SUB-B109620			04/24/08 08:13	
Nitrogen, Ammonia as N	2.08	mg/L	0.10	102	90	110			
Sample ID: B08041909-002CMSD	Sample Matrix Spike Duplicate				Run: SUB-B109620			04/24/08 08:14	
Nitrogen, Ammonia as N	2.06	mg/L	0.10	100	90	110	0.9	10	
Sample ID: B08042272-001CMS	Sample Matrix Spike				Run: SUB-B109620			04/24/08 09:24	
Nitrogen, Ammonia as N	1.05	mg/L	0.10	105	90	110			
Sample ID: B08042272-001CMSD	Sample Matrix Spike Duplicate				Run: SUB-B109620			04/24/08 09:25	
Nitrogen, Ammonia as N	1.06	mg/L	0.10	106	90	110	0.7	10	

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S - Spike recovery outside of advisory limits.

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Client: United Nuclear Corp
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Report Date: 06/09/08
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Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E350.1								Analytical Run: SUB-B109754	
Sample ID: ICV	Initial Calibration Verification Standard							04/25/08 10:31	
Nitrogen, Ammonia as N	5.68	mg/L	0.11	104	90	110			
Method: E350.1								Batch: B_R109754	
Sample ID: MBLK	Method Blank				Run: SUB-B109754			04/25/08 10:33	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B109754			04/25/08 10:34	
Nitrogen, Ammonia as N	1.03	mg/L	0.10	104	90	110			
Sample ID: B08042436-001EMS	Sample Matrix Spike				Run: SUB-B109754			04/25/08 10:54	
Nitrogen, Ammonia as N	1.22	mg/L	0.10	100	90	110			
Sample ID: B08042436-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-B109754			04/25/08 10:55	
Nitrogen, Ammonia as N	1.21	mg/L	0.10	99	90	110	0.7	10	
Sample ID: B08042602-001FMS	Sample Matrix Spike				Run: SUB-B109754			04/25/08 12:05	
Nitrogen, Ammonia as N	0.940	mg/L	0.10	94	90	110			
Sample ID: B08042602-001FMSD	Sample Matrix Spike Duplicate				Run: SUB-B109754			04/25/08 12:06	
Nitrogen, Ammonia as N	0.941	mg/L	0.10	94	90	110	0.1	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: Zone 1

Report Date: 06/09/08
Work Order: C08040890

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2								Analytical Run: SUB-B109832	
Sample ID: ICV	Initial Calibration Verification Standard							04/28/08 10:55	
Nitrogen, Nitrate+Nitrite as N	37.3	mg/L	0.050	105	90	110			
Method: E353.2								Batch: B_R109832	
Sample ID: MBLK	Method Blank				Run: SUB-B109832			04/28/08 10:56	
Nitrogen, Nitrate+Nitrite as N	0.006	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B109832			04/28/08 10:57	
Nitrogen, Nitrate+Nitrite as N	1.00	mg/L	0.050	102	90	110			
Sample ID: C08040871-001B	Sample Matrix Spike				Run: SUB-B109832			04/28/08 13:17	
Nitrogen, Nitrate+Nitrite as N	1.65	mg/L	0.050	107	90	110			
Sample ID: C08040871-001B	Sample Matrix Spike Duplicate				Run: SUB-B109832			04/28/08 13:19	
Nitrogen, Nitrate+Nitrite as N	1.64	mg/L	0.050	106	90	110	0.9	10	
Sample ID: B08042283-007DMS	Sample Matrix Spike				Run: SUB-B109832			04/28/08 11:37	
Nitrogen, Nitrate+Nitrite as N	1.02	mg/L	0.050	102	90	110			
Sample ID: B08042283-007DMSD	Sample Matrix Spike Duplicate				Run: SUB-B109832			04/28/08 11:38	
Nitrogen, Nitrate+Nitrite as N	1.01	mg/L	0.050	100	90	110	1.6	10	
Sample ID: B08042454-001CMS	Sample Matrix Spike				Run: SUB-B109832			04/28/08 11:53	
Nitrogen, Nitrate+Nitrite as N	1.46	mg/L	0.050	108	90	110			
Sample ID: B08042454-001CMSD	Sample Matrix Spike Duplicate				Run: SUB-B109832			04/28/08 11:54	
Nitrogen, Nitrate+Nitrite as N	1.45	mg/L	0.050	107	90	110	0.6	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 06/09/08
Work Order: C08040890

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R99938
Sample ID: 042108_LCS_2	Laboratory Control Sample				Run: SATURNCA_080421A				04/21/08 11:16
Bromodichloromethane	4.96	ug/L	1.0	99	70	130			
Bromoform	5.28	ug/L	1.0	106	70	130			
Chlorodibromomethane	5.12	ug/L	1.0	102	70	130			
Chloroform	5.84	ug/L	1.0	117	70	130			
Trihalomethanes, Total	21.2	ug/L	1.0	106	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	98	80	120			
Surr: Dibromofluoromethane			1.0	108	80	120			
Surr: p-Bromofluorobenzene			1.0	103	80	120			
Surr: Toluene-d8			1.0	97	80	120			
Sample ID: 042108_MBLK_5	Method Blank				Run: SATURNCA_080421A				04/21/08 13:11
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				100	80	120			
Surr: Dibromofluoromethane				107	80	120			
Surr: p-Bromofluorobenzene				95	80	120			
Surr: Toluene-d8				103	80	120			
Sample ID: C08040787-002DMS	Sample Matrix Spike				Run: SATURNCA_080421A				04/21/08 18:55
Bromodichloromethane	206	ug/L	10	103	70	130			
Bromoform	217	ug/L	10	108	70	130			
Chlorodibromomethane	202	ug/L	10	101	70	130			
Chloroform	220	ug/L	10	110	70	130			
Trihalomethanes, Total	845	ug/L	10	106	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	98	80	120			
Surr: Dibromofluoromethane			1.0	104	80	120			
Surr: p-Bromofluorobenzene			1.0	100	80	120			
Surr: Toluene-d8			1.0	103	80	120			
- 2-Chloroethyl vinyl ether is outside QC advisory limits due to sample matrix interference.									
Sample ID: C08040787-002DMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_080421A				04/21/08 19:34
Bromodichloromethane	194	ug/L	10	97	70	130	5.6	20	
Bromoform	214	ug/L	10	107	70	130	1.5	20	
Chlorodibromomethane	202	ug/L	10	101	70	130	0.4	20	
Chloroform	193	ug/L	10	96	70	130	13	20	
Trihalomethanes, Total	802	ug/L	10	100	70	130	5.1	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	102	80	120			
Surr: Dibromofluoromethane			1.0	97	80	120			
Surr: p-Bromofluorobenzene			1.0	101	80	120			

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 06/09/08
Work Order: C08040890

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R99938
Sample ID: C08040787-002DMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_080421A				04/21/08 19:34
Surr: Toluene-d8			1.0	103	80	120			
- 2-Chloroethyl vinyl ether is outside QC advisory limits due to sample matrix interference.									
Method: E900.1									Batch: GA-0123
Sample ID: LCS-GA-0123	Laboratory Control Sample				Run: G5000W_080423A				04/28/08 16:13
Gross Alpha minus Rn & U	27.6	pCi/L	1.0	128	70	130			
Sample ID: MB-GA-0123	Method Blank				Run: G5000W_080423A				04/28/08 16:13
Gross Alpha minus Rn & U	0.6	pCi/L							U
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: G5000W_080423A				04/28/08 16:13
Gross Alpha minus Rn & U	19.7	pCi/L	1.0	87	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: G5000W_080423A				04/28/08 17:59
Gross Alpha minus Rn & U	19.6	pCi/L	1.0	87	70	130	0.6	23	
Method: E903.0									Batch: RA226-2772
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770_080505E				05/14/08 15:17
Radium 226	6.3	pCi/L		97	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080505E				05/14/08 15:17
Radium 226	5.4	pCi/L		83	70	130	15	25.2	
Sample ID: MB-RA226-2772	Method Blank				Run: BERTHOLD 770_080505E				05/14/08 15:17
Radium 226	-0.1	pCi/L							U
Sample ID: LCS-RA226-2772	Laboratory Control Sample				Run: BERTHOLD 770_080505E				05/14/08 15:17
Radium 226	6.5	pCi/L		105	70	130			
Method: E903.0									Batch: RA226-2773
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770_080505D				05/13/08 16:49
Radium 226	5.6	pCi/L		84	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080505D				05/13/08 16:49
Radium 226	5.5	pCi/L		83	70	130	1.5	26	
Sample ID: MB-RA226-2773	Method Blank				Run: BERTHOLD 770_080505D				05/13/08 16:49
Radium 226	0.05	pCi/L							U
Sample ID: LCS-RA226-2773	Laboratory Control Sample				Run: BERTHOLD 770_080505D				05/13/08 16:49
Radium 226	5.7	pCi/L		90	70	130			

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 1

Report Date: 06/09/08
Work Order: C08040890

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: R100804
Sample ID: LCS-R100804	Laboratory Control Sample				Run: EGG-ORTEC_080428B				04/28/08 15:00
Thorium 230	11.3	pCi/L	0.20	102	70	130			
Sample ID: C08040890-007AMS	Sample Matrix Spike				Run: EGG-ORTEC_080428B				04/28/08 15:00
Thorium 230	46.1	pCi/L	0.20	95	70	130			
Sample ID: C08040890-007AMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_080428B				04/28/08 15:00
Thorium 230	48.6	pCi/L	0.20	101	70	130	5.3	30	
Sample ID: MB-R100804	Method Blank				Run: EGG-ORTEC_080428B				04/28/08 15:00
Thorium 230	ND	pCi/L							U
Method: E909.0M									Batch: R101099
Sample ID: C08040890-005AMS	Sample Matrix Spike				Run: PACKARD 3100TR_080429C				04/29/08 10:15
Lead 210	490	pCi/L	1.0	84	70	130			
Sample ID: C08040890-005AMSD	Sample Matrix Spike Duplicate				Run: PACKARD 3100TR_080429C				04/29/08 10:15
Lead 210	700	pCi/L	1.0	119	70	130	35	30	R
Sample ID: MB-R101099	Method Blank				Run: PACKARD 3100TR_080429C				04/29/08 10:15
Lead 210	ND	pCi/L							U
Sample ID: LCS-R101099	Laboratory Control Sample				Run: PACKARD 3100TR_080429C				04/29/08 10:15
Lead 210	120	pCi/L	1.0	99	70	130			
Method: RA-05									Batch: RA228-2114
Sample ID: LCS-228-RA226-2772	Laboratory Control Sample				Run: TENNELEC-3_080505B				05/08/08 07:55
Radium 228	9.4	pCi/L		93	70	130			
Sample ID: MB-RA226-2772	Method Blank				Run: TENNELEC-3_080505B				05/08/08 10:01
Radium 228	0.3	pCi/L							U
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_080505B				05/08/08 07:55
Radium 228	9.1	pCi/L		87	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080505B				05/08/08 07:55
Radium 228	8.8	pCi/L		84	70	130	3.0	31.1	

Qualifiers:

RL - Analyte reporting limit.
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: Zone 1

Report Date: 06/09/08
Work Order: C08040890

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05									Batch: RA228-2115
Sample ID: LCS-228-RA226-2773	Laboratory Control Sample				Run: TENNELEC-3_080505C				05/08/08 12:13
Radium 228	9.8	pCi/L		101	70	130			
Sample ID: MB-RA226-2773	Method Blank				Run: TENNELEC-3_080505C				05/08/08 12:13
Radium 228	-0.3	pCi/L							U
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_080505C				05/08/08 12:13
Radium 228	8.8	pCi/L		88	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080505C				05/08/08 10:02
Radium 228	9.8	pCi/L		98	70	130	11	32	

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ANALYTICAL SUMMARY REPORT

July 20, 2008

United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C08040890 Quote ID: C129 - Quarterly Long List

Project Name: Zone 1

Energy Laboratories, Inc. received the following 7 samples from United Nuclear Corp on 4/18/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08040890-001	TWQ-142	04/16/08 08:30	04/18/08	Aqueous	Metals by ICP/ICPMS, Total Alkalinity Chloride Arsenic-III, Total Selenium-IV, Total Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics
C08040890-002	EPA-2	04/14/08 11:15	04/18/08	Aqueous	Same As Above
C08040890-003	EPA-2 Duplicate	04/14/08 11:45	04/18/08	Aqueous	Same As Above
C08040890-004	EPA-4	04/14/08 13:35	04/18/08	Aqueous	Same As Above
C08040890-005	EPA-5	04/14/08 09:20	04/18/08	Aqueous	Same As Above
C08040890-006	EPA-7	04/14/08 10:05	04/18/08	Aqueous	Same As Above
C08040890-007	Field Blank	04/16/08 10:30	04/18/08	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: 20-Jul-08

CLIENT: United Nuclear Corp
Project: Zone 1
Sample Delivery Group: C08040890

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

REVISED/SUPPLEMENTAL REPORT
This report was revised from a previously submitted report to correct U flags missing on some Radiochemical analyses. This correction was requested by James Ewart.

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
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

Revised Date: 07/20/08
Report Date: 06/09/08
Work Order: C08040890

Client: United Nuclear Corp
Project: Zone 1

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1									Batch: GA-0123
Sample ID: LCS-GA-0123	Laboratory Control Sample				Run: G5000W_080423A				04/28/08 16:13
Gross Alpha minus Rn & U	27.6	pCi/L	1.0	128	70	130			
Sample ID: MB-GA-0123	Method Blank				Run: G5000W_080423A				04/28/08 16:13
Gross Alpha minus Rn & U	0.6	pCi/L							U
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: G5000W_080423A				04/28/08 16:13
Gross Alpha minus Rn & U	19.7	pCi/L	1.0	87	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: G5000W_080423A				04/28/08 17:59
Gross Alpha minus Rn & U	19.6	pCi/L	1.0	87	70	130	0.6	23	
Method: E903.0									Batch: RA226-2772
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770_080505E				05/14/08 15:17
Radium 226	6.3	pCi/L		97	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080505E				05/14/08 15:17
Radium 226	5.4	pCi/L		83	70	130	15	25.2	
Sample ID: MB-RA226-2772	Method Blank				Run: BERTHOLD 770_080505E				05/14/08 15:17
Radium 226	-0.1	pCi/L							U
Sample ID: LCS-RA226-2772	Laboratory Control Sample				Run: BERTHOLD 770_080505E				05/14/08 15:17
Radium 226	6.5	pCi/L		105	70	130			
Method: E903.0									Batch: RA226-2773
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770_080505D				05/13/08 16:49
Radium 226	5.6	pCi/L		84	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080505D				05/13/08 16:49
Radium 226	5.5	pCi/L		83	70	130	1.5	26	
Sample ID: MB-RA226-2773	Method Blank				Run: BERTHOLD 770_080505D				05/13/08 16:49
Radium 226	0.05	pCi/L							U
Sample ID: LCS-RA226-2773	Laboratory Control Sample				Run: BERTHOLD 770_080505D				05/13/08 16:49
Radium 226	5.7	pCi/L		90	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

Revised Date: 07/20/08
Report Date: 06/09/08
Work Order: C08040890

Client: United Nuclear Corp
Project: Zone 1

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: R100804
Sample ID: LCS-R100804	Laboratory Control Sample				Run: EGG-ORTEC_080428B				04/28/08 15:00
Thorium 230	11.3	pCi/L	0.20	102	70	130			
Sample ID: C08040890-007AMS	Sample Matrix Spike				Run: EGG-ORTEC_080428B				04/28/08 15:00
Thorium 230	46.1	pCi/L	0.20	95	70	130			
Sample ID: C08040890-007AMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_080428B				04/28/08 15:00
Thorium 230	48.6	pCi/L	0.20	101	70	130	5.3	30	
Sample ID: MB-R100804	Method Blank				Run: EGG-ORTEC_080428B				04/28/08 15:00
Thorium 230	ND	pCi/L							U
Method: E909.0M									Batch: R101099
Sample ID: C08040890-005AMS	Sample Matrix Spike				Run: PACKARD 3100TR_080429C				04/29/08 10:15
Lead 210	490	pCi/L	1.0	84	70	130			
Sample ID: C08040890-005AMSD	Sample Matrix Spike Duplicate				Run: PACKARD 3100TR_080429C				04/29/08 10:15
Lead 210	700	pCi/L	1.0	119	70	130	35	30	R
Sample ID: MB-R101099	Method Blank				Run: PACKARD 3100TR_080429C				04/29/08 10:15
Lead 210	ND	pCi/L							U
Sample ID: LCS-R101099	Laboratory Control Sample				Run: PACKARD 3100TR_080429C				04/29/08 10:15
Lead 210	120	pCi/L	1.0	99	70	130			
Method: RA-05									Batch: RA228-2114
Sample ID: LCS-228-RA226-2772	Laboratory Control Sample				Run: TENNELEC-3_080505B				05/08/08 07:55
Radium 228	9.4	pCi/L		93	70	130			
Sample ID: MB-RA226-2772	Method Blank				Run: TENNELEC-3_080505B				05/08/08 10:01
Radium 228	0.3	pCi/L							U
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_080505B				05/08/08 07:55
Radium 228	9.1	pCi/L		87	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080505B				05/08/08 07:55
Radium 228	8.8	pCi/L		84	70	130	3.0	31.1	

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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QA/QC Summary Report

Revised Date: 07/20/08
Report Date: 06/09/08
Work Order: C08040890

Client: United Nuclear Corp
Project: Zone 1

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05									Batch: RA228-2115
Sample ID: LCS-228-RA226-2773	Laboratory Control Sample				Run: TENNELEC-3_080505C				05/08/08 12:13
Radium 228	9.8	pCi/L		101	70	130			
Sample ID: MB-RA226-2773	Method Blank				Run: TENNELEC-3_080505C				05/08/08 12:13
Radium 228	-0.3	pCi/L							U
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_080505C				05/08/08 12:13
Radium 228	8.8	pCi/L		88	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080505C				05/08/08 10:02
Radium 228	9.8	pCi/L		98	70	130	11	32	

Qualifiers:

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U - Not detected at minimum detectable concentration

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ANALYTICAL SUMMARY REPORT

May 22, 2008

United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C08040584 Quote ID: C129 - Quarterly Long List

Project Name: Zone 3

Energy Laboratories, Inc. received the following 1 sample from United Nuclear Corp on 4/11/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08040584-001	613	04/08/08 11:15	04/11/08	Aqueous	Metals by ICP/ICPMS, Total Alkalinity QA Calculations Chloride Arsenic-III, Total Selenium-IV, Total Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved 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:

James Yocum
Quality Assurance Director

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Date: 22-May-08

CLIENT: United Nuclear Corp
Project: Zone 3
Sample Delivery Group: C08040584

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

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 3

Report Date: 05/22/08
Work Order: C08040584

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: R99697
Sample ID: MBLK-1	Method Blank				Run: MANTECH_080415A				04/15/08 10:53
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_080415A				04/15/08 11:01
Alkalinity, Total as CaCO3	188	mg/L	1.0	94	90	110			
Sample ID: C08040600-008AMS	Sample Matrix Spike				Run: MANTECH_080415A				04/15/08 16:53
Alkalinity, Total as CaCO3	268	mg/L	1.0	97	90	110			
Sample ID: C08040600-008AMSD	Sample Matrix Spike Duplicate				Run: MANTECH_080415A				04/15/08 17:00
Alkalinity, Total as CaCO3	271	mg/L	1.0	99	90	110	0.9	10	
Method: A2540 C									Batch: 080414_1_SLDS-TDS-W
Sample ID: MBLK1_080414	Method Blank				Run: BAL-1_080414B				04/14/08 21:44
Solids, Total Dissolved TDS @ 180 C	10	mg/L	6						
Sample ID: LCS1_080414	Laboratory Control Sample				Run: BAL-1_080414B				04/14/08 21:45
Solids, Total Dissolved TDS @ 180 C	1030	mg/L	10	103	90	110			
Sample ID: C08040580-017BMS	Sample Matrix Spike				Run: BAL-1_080414B				04/14/08 22:39
Solids, Total Dissolved TDS @ 180 C	1960	mg/L	10	100	90	110			
Sample ID: C08040580-017BMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080414B				04/14/08 22:40
Solids, Total Dissolved TDS @ 180 C	1930	mg/L	10	101	90	110	1.6	10	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 05/22/08
Work Order: C08040584

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A3114 B**								Analytical Run: SUB-H44677	
Sample ID: **AS080428-ICV**	Initial Calibration Verification Standard							04/28/08 11:19	
Arsenic-III	27	ug/L	1.0	108	90	110			
Method: **A3114 B**								Batch: H_R44677	
Sample ID: **MBLK_09r**	Method Blank				Run: SUB-H44677			04/28/08 11:27	
Arsenic-III	ND	ug/L	0.3						
Sample ID: **AS080428-LCS**	Laboratory Control Sample				Run: SUB-H44677			04/28/08 11:50	
Arsenic-III	50	ug/L	1.0	100	90	110			
Sample ID: **C08040890-001F**	Sample Duplicate				Run: SUB-H44677			04/28/08 13:15	
Arsenic-III	2.14	mg/L	0.0050						
Sample ID: **C08040890-006F**	Sample Matrix Spike				Run: SUB-H44677			04/28/08 14:17	
Arsenic-III	47.7	mg/L	0.0050	93	70	130			
Sample ID: **C08040890-006F**	Sample Matrix Spike Duplicate				Run: SUB-H44677			04/28/08 14:25	
Arsenic-III	52.5	mg/L	0.0050	102	70	130			
Method: **A3114 B**								Analytical Run: CVAA-C202_080416B	
Sample ID: **288-54-6**	Initial Calibration Verification Standard							04/16/08 11:08	
Selenium-IV	0.0510	mg/L	0.0010	102	90	110			
Method: **A3114 B**								Batch: SEIV-3114-080416B	
Sample ID: **MBLK**	Method Blank				Run: CVAA-C202_080416B			04/16/08 11:14	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: **288-54-6**	Laboratory Control Sample				Run: CVAA-C202_080416B			04/16/08 11:16	
Selenium-IV	0.0528	mg/L	0.0010	106	90	110			
Sample ID: **C08040582-001CMS**	Sample Matrix Spike				Run: CVAA-C202_080416B			04/16/08 11:21	
Selenium-IV	0.0525	mg/L	0.0010	103	85	115			
Sample ID: **C08040582-001CMSD**	Sample Matrix Spike Duplicate				Run: CVAA-C202_080416B			04/16/08 11:27	
Selenium-IV	0.0555	mg/L	0.0010	109	85	115	5.5	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 05/22/08
Work Order: C08040584

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-Cl B								Batch: 080417A-CL-TTR-W	
Sample ID: MBLK9-080417A	Method Blank				Run: TITRATION_080417A			04/17/08 09:47	
Chloride	ND	mg/L	0.4						
Sample ID: LCS35-080417A	Laboratory Control Sample				Run: TITRATION_080417A			04/17/08 11:04	
Chloride	3560	mg/L	1.0	100	90	110			
Sample ID: C08040584-001BMS	Sample Matrix Spike				Run: TITRATION_080417A			04/17/08 17:18	
Chloride	363	mg/L	1.0	101	90	110			
Sample ID: C08040584-001BMSD	Sample Matrix Spike Duplicate				Run: TITRATION_080417A			04/17/08 17:19	
Chloride	361	mg/L	1.0	100	90	110	0.5	10	
Method: A4500-H B								Analytical Run: ORION555A_080414B	
Sample ID: ICV1_080414_2	Initial Calibration Verification Standard							04/14/08 20:52	
pH	6.90	s.u.	0.010	101	98	102			
Method: A4500-H B								Batch: 080414_2_PH-W_555A-1	
Sample ID: C08040600-005ADUP	Sample Duplicate				Run: ORION555A_080414B			04/14/08 21:31	
pH	7.84	s.u.	0.010				0.9	10	
Method: A4500-SO4 E								Batch: 080418_1_SO4-TURB-W	
Sample ID: LCS-1_080418	Laboratory Control Sample				Run: TURB-2_080418A			04/18/08 10:41	
Sulfate	4930	mg/L	59	103	90	110			
Sample ID: MBLK-1_080418	Method Blank				Run: TURB-2_080418A			04/18/08 10:46	
Sulfate	ND	mg/L	0.6						
Sample ID: C08040600-005AMS	Sample Matrix Spike				Run: TURB-2_080418A			04/18/08 14:39	
Sulfate	237	mg/L	2.9	105	90	110			
Sample ID: C08040600-005AMSD	Sample Matrix Spike Duplicate				Run: TURB-2_080418A			04/18/08 14:40	
Sulfate	233	mg/L	2.9	100	90	110	1.7	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 05/22/08
Work Order: C08040584

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R100499
Sample ID: MB-080430A	Method Blank				Run: ICP1-C_080430A				04/30/08 14:33
Beryllium	ND	mg/L	0.0002						
Calcium	ND	mg/L	0.04						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0004						
Potassium	0.08	mg/L	0.08						
Sodium	0.07	mg/L	0.06						
Vanadium	ND	mg/L	0.006						
Sample ID: LFB-080430A	Laboratory Fortified Blank				Run: ICP1-C_080430A				04/30/08 14:36
Beryllium	0.977	mg/L	0.010	98	85	125			
Calcium	51.8	mg/L	0.50	104	85	125			
Magnesium	52.3	mg/L	0.50	105	85	125			
Manganese	0.923	mg/L	0.010	92	85	125			
Potassium	48.0	mg/L	0.50	96	85	125			
Sodium	51.2	mg/L	0.50	102	85	125			
Vanadium	0.990	mg/L	0.10	99	85	125			
Sample ID: C08040580-012CMS2	Sample Matrix Spike				Run: ICP1-C_080430A				04/30/08 19:46
Beryllium	9.85	mg/L	0.010	97	70	130			
Calcium	1080	mg/L	1.2	98	70	130			
Magnesium	1020	mg/L	1.1	93	70	130			
Manganese	10.1	mg/L	0.010	93	70	130			
Potassium	494	mg/L	1.0	94	70	130			
Sodium	751	mg/L	1.2	99	70	130			
Vanadium	10.2	mg/L	0.10	100	70	130			
Sample ID: C08040580-012CMSD2	Sample Matrix Spike Duplicate				Run: ICP1-C_080430A				04/30/08 19:50
Beryllium	9.75	mg/L	0.010	96	70	130	1.0	20	
Calcium	1070	mg/L	1.2	97	70	130	0.6	20	
Magnesium	1010	mg/L	1.1	92	70	130	0.6	20	
Manganese	10.0	mg/L	0.010	92	70	130	0.7	20	
Potassium	493	mg/L	1.0	94	70	130	0.2	20	
Sodium	746	mg/L	1.2	98	70	130	0.7	20	
Vanadium	10.0	mg/L	0.10	98	70	130	1.9	20	
Sample ID: LCS-18465	Laboratory Control Sample				Run: ICP1-C_080430A				05/01/08 08:59
Beryllium	0.256	mg/L	0.010	102	85	115			
Calcium	27.2	mg/L	0.50	109	85	115			
Magnesium	28.0	mg/L	0.50	112	85	115			
Manganese	2.46	mg/L	0.010	98	85	115			
Potassium	24.5	mg/L	0.50	98	85	115			
Sodium	27.2	mg/L	0.50	109	85	115			
Vanadium	0.520	mg/L	0.10	104	85	115			

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 05/22/08
Work Order: C08040584

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R100765
Sample ID: MB-080506A	Method Blank				Run: ICP2-C_080506A				05/06/08 14:47
Aluminum	ND	mg/L	0.004						
Sample ID: LFB-080506A	Laboratory Fortified Blank				Run: ICP2-C_080506A				05/06/08 14:51
Aluminum	0.998	mg/L	0.10	100	85	125			
Sample ID: C08040646-001DMS2	Sample Matrix Spike				Run: ICP2-C_080506A				05/06/08 16:07
Aluminum	2.1	mg/L	0.10	101	70	130			
Sample ID: C08040646-001DMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_080506A				05/06/08 16:11
Aluminum	2.1	mg/L	0.10	102	70	130	0.9	20	
Method: E200.8									Batch: R100506
Sample ID: LRB	Method Blank				Run: ICPMS2-C_080501A				05/01/08 12:04
Cadmium	ND	mg/L	1E-05						
Molybdenum	ND	mg/L	5E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS2-C_080501A				05/01/08 12:10
Cadmium	0.0468	mg/L	0.0010	94	85	115			
Molybdenum	0.0466	mg/L	0.0010	93	85	115			
Sample ID: C08040584-001CMS4	Post Digestion Spike				Run: ICPMS2-C_080501A				05/02/08 00:34
Cadmium	0.518	mg/L	0.010	96	70	130			
Molybdenum	0.518	mg/L	0.10	100	70	130			
Sample ID: C08040584-001CMSD4	Post Digestion Spike Duplicate				Run: ICPMS2-C_080501A				05/02/08 00:41
Cadmium	0.516	mg/L	0.010	96	70	130	0.3	20	
Molybdenum	0.506	mg/L	0.10	98	70	130	2.3	20	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 05/22/08
Work Order: C08040584

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R100685
Sample ID: LRB	Method Blank				Run: ICPMS2-C_080505A				05/05/08 13:42
Cobalt	ND	mg/L	2E-05						
Lead	ND	mg/L	3E-05						
Nickel	ND	mg/L	0.0007						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS2-C_080505A				05/05/08 13:48
Cobalt	0.0527	mg/L	0.0010	105	85	115			
Lead	0.0516	mg/L	0.0010	103	85	115			
Nickel	0.0527	mg/L	0.0010	105	85	115			
Uranium	0.0514	mg/L	0.00030	103	85	115			
Sample ID: C08041060-007CMS4	Post Digestion Spike				Run: ICPMS2-C_080505A				05/05/08 23:16
Lead	0.0529	mg/L	0.050	106	70	130			
Nickel	0.0568	mg/L	0.050	107	70	130			
Uranium	0.0861	mg/L	0.00030	112	70	130			
Sample ID: C08041060-007CMSD4	Post Digestion Spike Duplicate				Run: ICPMS2-C_080505A				05/05/08 23:23
Lead	0.0528	mg/L	0.050	105	70	130	0.2	20	
Nickel	0.0635	mg/L	0.050	121	70	130	11	20	
Uranium	0.0857	mg/L	0.00030	111	70	130	0.5	20	
Sample ID: C08040936-001AMS	Sample Matrix Spike				Run: ICPMS2-C_080505A				05/06/08 03:00
Cobalt	0.505	mg/L	0.0010	101	70	130			
Lead	0.520	mg/L	0.0010	104	70	130			
Nickel	0.502	mg/L	0.0010	98	70	130			
Uranium	0.530	mg/L	0.00032	106	70	130			
Sample ID: C08040936-001AMSD	Sample Matrix Spike Duplicate				Run: ICPMS2-C_080505A				05/06/08 03:07
Cobalt	0.485	mg/L	0.0010	97	70	130	4.1	20	
Lead	0.519	mg/L	0.0010	104	70	130	0.3	20	
Nickel	0.513	mg/L	0.0010	100	70	130	2.3	20	
Uranium	0.531	mg/L	0.00032	106	70	130	0.1	20	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 05/22/08
Work Order: C08040584

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E350.1								Analytical Run: SUB-B110006	
Sample ID: ICV	Initial Calibration Verification Standard							04/30/08 10:32	
Nitrogen, Ammonia as N	5.73	mg/L	0.11	105	90	110			
Method: E350.1								Batch: B_R110006	
Sample ID: MBLK	Method Blank				Run: SUB-B110006			04/30/08 10:33	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B110006			04/30/08 10:34	
Nitrogen, Ammonia as N	1.06	mg/L	0.10	107	90	110			
Sample ID: C08041156-001E	Sample Matrix Spike				Run: SUB-B110006			04/30/08 11:31	
Nitrogen, Ammonia as N	1.01	mg/L	0.10	98	90	110			
Sample ID: C08041156-001E	Sample Matrix Spike Duplicate				Run: SUB-B110006			04/30/08 11:32	
Nitrogen, Ammonia as N	0.982	mg/L	0.10	96	90	110	2.4	10	
Method: E353.2								Analytical Run: SUB-B109393	
Sample ID: ICV	Initial Calibration Verification Standard							04/19/08 06:36	
Nitrogen, Nitrate+Nitrite as N	34.8	mg/L	0.050	98	90	110			
Method: E353.2								Batch: B_R109393	
Sample ID: MBLK	Method Blank				Run: SUB-B109393			04/19/08 06:37	
Nitrogen, Nitrate+Nitrite as N	0.006	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B109393			04/19/08 06:39	
Nitrogen, Nitrate+Nitrite as N	1.00	mg/L	0.050	102	90	110			
Sample ID: B08041459-001BMS	Sample Matrix Spike				Run: SUB-B109393			04/19/08 08:53	
Nitrogen, Nitrate+Nitrite as N	0.990	mg/L	0.050	101	90	110			
Sample ID: B08041459-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-B109393			04/19/08 08:54	
Nitrogen, Nitrate+Nitrite as N	0.997	mg/L	0.050	101	90	110	0.7	10	
Sample ID: C08040580-017A	Sample Matrix Spike				Run: SUB-B109393			04/19/08 08:37	
Nitrogen, Nitrate+Nitrite as N	0.999	mg/L	0.050	99	90	110			
Sample ID: C08040580-017A	Sample Matrix Spike Duplicate				Run: SUB-B109393			04/19/08 08:38	
Nitrogen, Nitrate+Nitrite as N	0.987	mg/L	0.050	98	90	110	1.2	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: Zone 3

Report Date: 05/22/08
Work Order: C08040584

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R99607
Sample ID: 14-Apr-08_LCS_3	Laboratory Control Sample				Run: GCMS2_080414C				04/14/08 11:16
Bromodichloromethane	5.32	ug/L	1.0	106	70	130			
Bromoform	4.80	ug/L	1.0	96	70	130			
Chlorodibromomethane	5.12	ug/L	1.0	102	70	130			
Chloroform	4.84	ug/L	1.0	97	70	130			
Trihalomethanes, Total	20.1	ug/L	1.0	100	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	98	80	120			
Surr: Dibromofluoromethane			1.0	93	80	120			
Surr: p-Bromofluorobenzene			1.0	102	80	120			
Surr: Toluene-d8			1.0	101	80	120			
Sample ID: 14-Apr-08_MBLK_6	Method Blank				Run: GCMS2_080414C				04/14/08 13:14
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				101	80	120			
Surr: Dibromofluoromethane				95	80	120			
Surr: p-Bromofluorobenzene				103	80	120			
Surr: Toluene-d8				99	80	120			
Sample ID: C08040584-001FMS	Sample Matrix Spike				Run: GCMS2_080414C				04/15/08 06:11
Bromodichloromethane	104	ug/L	5.0	104	70	130			
Bromoform	102	ug/L	5.0	102	70	130			
Chlorodibromomethane	100	ug/L	5.0	100	70	130			
Chloroform	206	ug/L	5.0	109	70	130			
Trihalomethanes, Total	513	ug/L	5.0	104	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	103	80	120			
Surr: Dibromofluoromethane			1.0	101	80	120			
Surr: p-Bromofluorobenzene			1.0	106	80	120			
Surr: Toluene-d8			1.0	100	80	120			
Sample ID: C08040584-001FMSD	Sample Matrix Spike Duplicate				Run: GCMS2_080414C				04/15/08 06:52
Bromodichloromethane	106	ug/L	5.0	106	70	130	1.1	20	
Bromoform	106	ug/L	5.0	106	70	130	3.8	20	
Chlorodibromomethane	104	ug/L	5.0	104	70	130	4.3	20	
Chloroform	212	ug/L	5.0	115	70	130	2.9	20	
Trihalomethanes, Total	529	ug/L	5.0	108	70	130	3.0	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	103	80	120	0.0	10	
Surr: Dibromofluoromethane			1.0	102	80	120	0.0	10	
Surr: p-Bromofluorobenzene			1.0	105	80	120	0.0	10	
Surr: Toluene-d8			1.0	99	80	120	0.0	10	

Qualifiers:

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 05/22/08
Work Order: C08040584

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1									Batch: GA-0121
Sample ID: LCS-GA-0121	Laboratory Control Sample				Run: G5000W_080415A				04/17/08 13:47
Gross Alpha minus Rn & U	23.9	pCi/L	1.0	110	70	130			
Sample ID: MB-GA-0121	Method Blank				Run: G5000W_080415A				04/17/08 13:47
Gross Alpha minus Rn & U	0.7	pCi/L							
Sample ID: C08040314-001AMS	Sample Matrix Spike				Run: G5000W_080415A				04/17/08 13:47
Gross Alpha minus Rn & U	21.7	pCi/L	1.0	98	70	130			
Sample ID: C08040314-001AMSD	Sample Matrix Spike Duplicate				Run: G5000W_080415A				04/17/08 13:47
Gross Alpha minus Rn & U	22.1	pCi/L	1.0	100	70	130	1.9	26	
Method: E903.0									Batch: RA226-2742
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770_080421D				05/05/08 11:18
Radium 226	5.6	pCi/L		87	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080421D				05/05/08 11:18
Radium 226	6.0	pCi/L		93	70	130	6.7	24.6	
Sample ID: MB-RA226-2742	Method Blank				Run: BERTHOLD 770_080421D				05/05/08 11:18
Radium 226	-0.1	pCi/L							U
Sample ID: LCS-RA226-2742	Laboratory Control Sample				Run: BERTHOLD 770_080421D				05/05/08 11:18
Radium 226	5.6	pCi/L		90	70	130			
Method: E907.0									Batch: R100560
Sample ID: LCS-R100560	Laboratory Control Sample				Run: EGG-ORTEC_080422A				04/22/08 15:00
Thorium 230	7.40	pCi/L	0.20	106	70	130			
Sample ID: C08030343-008CMS	Sample Matrix Spike				Run: EGG-ORTEC_080422A				04/22/08 15:00
Thorium 230	16.1	pCi/L	0.20	98	70	130			
Sample ID: C08030343-008CMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_080422A				04/22/08 15:00
Thorium 230	16.5	pCi/L	0.20	101	70	130	2.5	30	
Sample ID: MB-R100560	Method Blank				Run: EGG-ORTEC_080422A				04/22/08 15:00
Thorium 230	ND	pCi/L							

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: 05/22/08
Work Order: C08040584

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: R100651
Sample ID: C08040396-002FMS	Sample Matrix Spike				Run: PACKARD 3100TR_080418C				04/18/08 08:00
Lead 210	420	pCi/L	1.0	71	70	130			
Sample ID: C08040396-002FMSD	Sample Matrix Spike Duplicate				Run: PACKARD 3100TR_080418C				04/18/08 08:00
Lead 210	540	pCi/L	1.0	92	70	130	25	30	
Sample ID: MB-R100651	Method Blank				Run: PACKARD 3100TR_080418C				04/18/08 08:00
Lead 210		pCi/L							
Sample ID: LCS-R100651	Laboratory Control Sample				Run: PACKARD 3100TR_080418C				04/18/08 08:00
Lead 210	93	pCi/L	1.0	78	70	130			
Method: RA-05									Batch: RA228-2099
Sample ID: LCS-228-RA226-2742	Laboratory Control Sample				Run: TENNELEC-3_080421C				04/28/08 13:26
Radium 228	8.47	pCi/L		82	70	130			
Sample ID: MB-RA226-2742	Method Blank				Run: TENNELEC-3_080421C				04/28/08 13:26
Radium 228	0.4	pCi/L							U
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_080421C				04/28/08 13:26
Radium 228	11.5	pCi/L		111	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080421C				04/28/08 13:27
Radium 228	10.4	pCi/L		101	70	130	9.4	29.9	

Qualifiers:

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ANALYTICAL SUMMARY REPORT

July 20, 2008

United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C08040584 Quote ID: C129 - Quarterly Long List

Project Name: Zone 3

Energy Laboratories, Inc. received the following 1 sample from United Nuclear Corp on 4/11/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08040584-001	613	04/08/08 11:15	04/11/08	Aqueous	Metals by ICP/ICPMS, Total Alkalinity QA Calculations Chloride Arsenic-III, Total Selenium-IV, Total Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved 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

ENERGY LABORATORIES, INC. • 2393 Salt Creek Highway (82601) • P.O. Box 3258 • Casper, WY 82602
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Date: 20-Jul-08

CLIENT: United Nuclear Corp
Project: Zone 3
Sample Delivery Group: C08040584

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

REVISED/SUPPLEMENTAL REPORT
This report was revised from a previously submitted report to correct U flags missing on some Radiochemical analyses. This correction was requested by James Ewart.

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
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

Revised Date: 07/20/08
Report Date: 05/22/08
Work Order: C08040584

Client: United Nuclear Corp
Project: Zone 3

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1									Batch: GA-0121
Sample ID: LCS-GA-0121	Laboratory Control Sample				Run: G5000W_080415A				04/17/08 13:47
Gross Alpha minus Rn & U	23.9	pCi/L	1.0	110	70	130			
Sample ID: MB-GA-0121	Method Blank				Run: G5000W_080415A				04/17/08 13:47
Gross Alpha minus Rn & U	0.7	pCi/L							U
Sample ID: C08040314-001AMS	Sample Matrix Spike				Run: G5000W_080415A				04/17/08 13:47
Gross Alpha minus Rn & U	21.7	pCi/L	1.0	98	70	130			
Sample ID: C08040314-001AMSD	Sample Matrix Spike Duplicate				Run: G5000W_080415A				04/17/08 13:47
Gross Alpha minus Rn & U	22.1	pCi/L	1.0	100	70	130	1.9	26	
Method: E903.0									Batch: RA226-2742
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770_080421D				05/05/08 11:18
Radium 226	5.6	pCi/L		87	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080421D				05/05/08 11:18
Radium 226	6.0	pCi/L		93	70	130	6.7	24.6	
Sample ID: MB-RA226-2742	Method Blank				Run: BERTHOLD 770_080421D				05/05/08 11:18
Radium 226	-0.1	pCi/L							U
Sample ID: LCS-RA226-2742	Laboratory Control Sample				Run: BERTHOLD 770_080421D				05/05/08 11:18
Radium 226	5.6	pCi/L		90	70	130			
Method: E907.0									Batch: R100560
Sample ID: LCS-R100560	Laboratory Control Sample				Run: EGG-ORTEC_080422A				04/22/08 15:00
Thorium 230	7.40	pCi/L	0.20	106	70	130			
Sample ID: C08030343-008CMS	Sample Matrix Spike				Run: EGG-ORTEC_080422A				04/22/08 15:00
Thorium 230	16.1	pCi/L	0.20	98	70	130			
Sample ID: C08030343-008CMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_080422A				04/22/08 15:00
Thorium 230	16.5	pCi/L	0.20	101	70	130	2.5	30	
Sample ID: MB-R100560	Method Blank				Run: EGG-ORTEC_080422A				04/22/08 15:00
Thorium 230	ND	pCi/L							U

Qualifiers:

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ND - Not detected at the reporting limit.
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QA/QC Summary Report

Revised Date: 07/20/08
Report Date: 05/22/08
Work Order: C08040584

Client: United Nuclear Corp
Project: Zone 3

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E909.0M**									Batch: R100651
Sample ID: **C08040396-002FMS**	Sample Matrix Spike				Run: PACKARD 3100TR_080418C				04/18/08 08:00
Lead 210	420	pCi/L	1.0	71	70	130			
Sample ID: **C08040396-002FMSD**	Sample Matrix Spike Duplicate				Run: PACKARD 3100TR_080418C				04/18/08 08:00
Lead 210	540	pCi/L	1.0	92	70	130	25	30	
Sample ID: **MB-R100651**	Method Blank				Run: PACKARD 3100TR_080418C				04/18/08 08:00
Lead 210		pCi/L							U
Sample ID: **LCS-R100651**	Laboratory Control Sample				Run: PACKARD 3100TR_080418C				04/18/08 08:00
Lead 210	93	pCi/L	1.0	78	70	130			
Method: **RA-05**									Batch: RA228-2099
Sample ID: **LCS-228-RA226-2742**	Laboratory Control Sample				Run: TENNELEC-3_080421C				04/28/08 13:26
Radium 228	8.47pCi/L			82	70	130			
Sample ID: **MB-RA226-2742**	Method Blank				Run: TENNELEC-3_080421C				04/28/08 13:26
Radium 228	0.4	pCi/L							U
Sample ID: **TAP WATER-MS**	Sample Matrix Spike				Run: TENNELEC-3_080421C				04/28/08 13:26
Radium 228	11.5pCi/L			111	70	130			
Sample ID: **TAP WATER-MSD**	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080421C				04/28/08 13:27
Radium 228	10.4pCi/L			101	70	130	9.4	29.9	

Qualifiers:

RL - Analyte reporting limit.
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ANALYTICAL SUMMARY REPORT

June 09, 2008

United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C08040891 Quote ID: C129 - Quarterly Long List

Project Name: Zone 3

Energy Laboratories, Inc. received the following 15 samples from United Nuclear Corp on 4/18/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08040891-001	420	04/15/08 09:20	04/18/08	Aqueous	Metals by ICP/ICPMS, Total Alkalinity Chloride Arsenic-III, Total Selenium-IV, Total Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics
C08040891-002	504-B	04/15/08 15:00	04/18/08	Aqueous	Same As Above
C08040891-003	517	04/15/08 11:50	04/18/08	Aqueous	Same As Above
C08040891-004	NBL-1	04/15/08 13:35	04/18/08	Aqueous	Same As Above
C08040891-005	EPA-13	04/14/08 16:00	04/18/08	Aqueous	Same As Above
C08040891-006	EPA-14	04/15/08 10:35	04/18/08	Aqueous	Same As Above
C08040891-007	708	04/15/08 11:15	04/18/08	Aqueous	Same As Above
C08040891-008	711	04/14/08 14:50	04/18/08	Aqueous	Same As Above
C08040891-009	711 Duplicate	04/14/08 15:20	04/18/08	Aqueous	Same As Above
C08040891-010	717	04/15/08 10:00	04/18/08	Aqueous	Same As Above
C08040891-011	719	04/15/08 08:50	04/18/08	Aqueous	Same As Above
C08040891-012	PB-2	04/15/08 14:45	04/18/08	Aqueous	Alkalinity Chloride pH Solids, Total Dissolved
C08040891-013	PB-3	04/15/08 14:10	04/18/08	Aqueous	Same As Above
C08040891-014	NBL-2	04/15/08 15:50	04/18/08	Aqueous	Same As Above
C08040891-015	PB-4	04/15/08 14:30	04/18/08	Aqueous	Same As Above

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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:

James Yocum
Quality Assurance Director

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Date: 09-Jun-08

CLIENT: United Nuclear Corp
Project: Zone 3
Sample Delivery Group: C08040891

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

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

Date: 15-Aug-08

CLIENT: United Nuclear Corp
Project: Zone 3
Sample Delivery Group: C08040891

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

REVISED/SUPPLEMENTAL REPORT - R2
This report was revised from a previously submitted report to include the Arsenic-III data for samples C07100719-006 and C07070953-006 on the site tracker sheet for sample C08040891-005.

REVISED/SUPPLEMENTAL REPORT
This report was revised from a previously submitted report to correct U flags missing on some Radiochemical analyses. This correction was requested by James Ewart.

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
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.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 06/09/08
Work Order: C08040891

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: R100134
Sample ID: MBLK-1	Method Blank				Run: MANTECH_080424A				04/24/08 10:43
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_080424A				04/24/08 10:51
Alkalinity, Total as CaCO3	196	mg/L	1.0	98	90	110			
Sample ID: C08040873-004FMS	Sample Matrix Spike				Run: MANTECH_080424A				04/24/08 11:40
Alkalinity, Total as CaCO3	555	mg/L	1.0	89	80	120			
Sample ID: C08040873-004FMSD	Sample Matrix Spike Duplicate				Run: MANTECH_080424A				04/24/08 11:47
Alkalinity, Total as CaCO3	557	mg/L	1.0	90	80	120	0.3	10	
Method: A2540 C									Batch: 080421_1_SLDS-TDS-W
Sample ID: MBLK1_080421	Method Blank				Run: BAL-1_080422A				04/21/08 15:25
Solids, Total Dissolved TDS @ 180 C	30	mg/L	6						
Sample ID: LCS1_080421	Laboratory Control Sample				Run: BAL-1_080422A				04/21/08 15:26
Solids, Total Dissolved TDS @ 180 C	1000	mg/L	10	98	90	110			
Sample ID: C08040890-007BMS	Sample Matrix Spike				Run: BAL-1_080422A				04/21/08 15:39
Solids, Total Dissolved TDS @ 180 C	1930	mg/L	10	100	90	110			
Sample ID: C08040890-007BMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080422A				04/21/08 15:39
Solids, Total Dissolved TDS @ 180 C	1920	mg/L	10	101	90	110	0.8	10	
Sample ID: C08040891-010BMS	Sample Matrix Spike				Run: BAL-1_080422A				04/21/08 18:31
Solids, Total Dissolved TDS @ 180 C	7570	mg/L	10	101	90	110			
Sample ID: C08040891-010BMSD	Sample Matrix Spike Duplicate				Run: BAL-1_080422A				04/21/08 18:31
Solids, Total Dissolved TDS @ 180 C	7590	mg/L	10	102	90	110	0.3	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: Zone 3

Report Date: 06/09/08
Work Order: C08040891

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B									Batch: H_R44677
Sample ID: MBLK_09r	Method Blank				Run: SUB-H44677				04/28/08 11:27
Arsenic-III	ND	ug/L	0.3						
Sample ID: H08040373-001FDUP	Sample Duplicate				Run: SUB-H44677				04/28/08 13:15
Arsenic-III	0.00214	mg/L	0.0050						
Sample ID: C08040890-006FMS	Sample Matrix Spike				Run: SUB-H44677				04/28/08 14:17
Arsenic-III	0.0477	mg/L	0.0050	93	70	130			
Sample ID: C08040890-006FMSD	Sample Matrix Spike Duplicate				Run: SUB-H44677				04/28/08 14:25
Arsenic-III	0.0525	mg/L	0.0050	102	70	130			
Method: A3114 B									Batch: H_R44784
Sample ID: MBLK_11r	Method Blank				Run: SUB-H44784				05/01/08 11:49
Arsenic-III	ND	ug/L	0.3						
Sample ID: AS080501-LCS	Laboratory Control Sample				Run: SUB-H44784				05/01/08 12:12
Arsenic-III	52	ug/L	1.0	104	90	110			
Sample ID: C08040891-011FMS	Sample Matrix Spike				Run: SUB-H44784				05/01/08 14:08
Arsenic-III	0.0486	mg/L	0.0010	97	70	130			
Sample ID: C08040891-011FMSD	Sample Matrix Spike Duplicate				Run: SUB-H44784				05/01/08 14:16
Arsenic-III	0.0483	mg/L	0.0010	97	70	130			
Method: A3114 B									Batch: H_R44844
Sample ID: C08040891-004FDUP	Sample Duplicate				Run: SUB-H44844				05/05/08 12:34
Arsenic-III	0.149	mg/L	0.0010						

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 06/09/08
Work Order: C08040891

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: SEIV-3114-080430	
Sample ID: MBLK	Method Blank				Run: CVAA-C202_080430A			04/30/08 11:39	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-66-6	Laboratory Control Sample				Run: CVAA-C202_080430A			04/30/08 11:41	
Selenium-IV	0.0514	mg/L	0.0010	103	90	110			
Sample ID: C08040890-007EMS	Sample Matrix Spike				Run: CVAA-C202_080430A			04/30/08 11:45	
Selenium-IV	0.0482	mg/L	0.0010	96	85	115			
Sample ID: C08040890-007EMSD	Sample Matrix Spike Duplicate				Run: CVAA-C202_080430A			04/30/08 11:47	
Selenium-IV	0.0479	mg/L	0.0010	96	85	115	0.7	10	
Sample ID: C08040891-009EMS	Sample Matrix Spike				Run: CVAA-C202_080430A			04/30/08 12:12	
Selenium-IV	0.0460	mg/L	0.0010	92	85	115			
Method: A4500-Cl B								Batch: 080428A-CL-TTR-W	
Sample ID: MBLK9-080428A	Method Blank				Run: TITRATION_080428B			04/28/08 13:19	
Chloride	ND	mg/L	0.4						
Sample ID: C08040890-005CMS	Sample Matrix Spike				Run: TITRATION_080428B			04/28/08 15:24	
Chloride	120	mg/L	1.0	101	90	110			
Sample ID: C08040890-005CMSD	Sample Matrix Spike Duplicate				Run: TITRATION_080428B			04/28/08 15:26	
Chloride	119	mg/L	1.0	100	90	110	0.6	10	
Sample ID: LCS35-080428A	Laboratory Control Sample				Run: TITRATION_080428B			04/28/08 15:33	
Chloride	3630	mg/L	1.0	102	90	110			
Sample ID: C08040891-008CMS	Sample Matrix Spike				Run: TITRATION_080428B			04/28/08 18:04	
Chloride	84.5	mg/L	1.0	98	90	110			
Sample ID: C08040891-008CMSD	Sample Matrix Spike Duplicate				Run: TITRATION_080428B			04/28/08 18:08	
Chloride	86.6	mg/L	1.0	101	90	110	2.5	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 06/09/08
Work Order: C08040891

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-Cl B								Batch: 080429A-CL-TTR-W	
Sample ID: MBLK9-080429A	Method Blank				Run: TITRATION_080429A				04/29/08 12:45
Chloride	ND	mg/L	0.4						
Sample ID: C08040898-001AMS	Sample Matrix Spike				Run: TITRATION_080429A				04/29/08 14:44
Chloride	41.9	mg/L	1.0	98	90	110			
Sample ID: C08040898-001AMSD	Sample Matrix Spike Duplicate				Run: TITRATION_080429A				04/29/08 14:47
Chloride	42.3	mg/L	1.0	99	90	110	0.8	10	
Sample ID: LCS35-080429A	Laboratory Control Sample				Run: TITRATION_080429A				04/29/08 15:59
Chloride	3560	mg/L	1.0	100	90	110			
Method: A4500-H B								Analytical Run: ORION555A_080422A	
Sample ID: ICV1_080422_1	Initial Calibration Verification Standard								04/22/08 15:16
pH	6.95	s.u.	0.010	101	98	102			
Method: A4500-H B								Batch: 080422_1_PH-W_555A-1	
Sample ID: C08040891-006BDUP	Sample Duplicate				Run: ORION555A_080422A				04/22/08 16:54
pH	4.07	s.u.	0.010				0.0	10	
Method: A4500-H B								Analytical Run: ORION555A_080422B	
Sample ID: ICV1_080422_2	Initial Calibration Verification Standard								04/22/08 17:57
pH	7.01	s.u.	0.010	102	98	102			
Method: A4500-SO4 E								Batch: 080424_1_SO4-TURB-W	
Sample ID: LCS-1_080424	Laboratory Control Sample				Run: TURB-2_080424A				04/24/08 12:38
Sulfate	4970	mg/L	59	104	90	110			
Sample ID: MBLK-1_080424	Method Blank				Run: TURB-2_080424A				04/24/08 12:38
Sulfate	ND	mg/L	0.6						
Sample ID: C08040891-001CMS	Sample Matrix Spike				Run: TURB-2_080424A				04/24/08 13:47
Sulfate	4140	mg/L	59	106	90	110			
Sample ID: C08040891-001CMSD	Sample Matrix Spike Duplicate				Run: TURB-2_080424A				04/24/08 13:48
Sulfate	4140	mg/L	59	106	90	110	0.0	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 06/09/08
Work Order: C08040891

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R100898
Sample ID: MB-080508A	Method Blank				Run: ICP2-C_080508A				05/08/08 13:02
Aluminum	ND	mg/L	0.004						
Beryllium	ND	mg/L	0.0003						
Calcium	ND	mg/L	0.1						
Cobalt	ND	mg/L	0.002						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	0.02	mg/L	0.003						
Sample ID: LFB-080508A	Laboratory Fortified Blank				Run: ICP2-C_080508A				05/08/08 13:06
Aluminum	0.952	mg/L	0.10	95	85	125			
Beryllium	0.989	mg/L	0.010	99	85	125			
Calcium	53.9	mg/L	0.50	108	85	125			
Cobalt	1.02	mg/L	0.010	102	85	125			
Magnesium	53.4	mg/L	0.50	107	85	125			
Manganese	1.01	mg/L	0.010	101	85	125			
Molybdenum	0.984	mg/L	0.10	98	85	125			
Nickel	1.01	mg/L	0.050	101	85	125			
Potassium	46.4	mg/L	0.50	93	85	125			
Sodium	51.0	mg/L	0.77	102	85	125			
Vanadium	1.07	mg/L	0.10	105	85	125			
Sample ID: C08040891-001EMS2	Sample Matrix Spike				Run: ICP2-C_080508A				05/08/08 18:59
Aluminum	4.85	mg/L	0.10	92	70	130			
Beryllium	4.78	mg/L	0.010	94	70	130			
Calcium	943	mg/L	1.0	97	70	130			
Cobalt	4.86	mg/L	0.016	95	70	130			
Magnesium	411	mg/L	1.0	107	70	130			
Manganese	6.67	mg/L	0.010	95	70	130			
Molybdenum	5.07	mg/L	0.10	92	70	130			
Nickel	4.88	mg/L	0.050	96	70	130			
Potassium	244	mg/L	1.0	93	70	130			
Sodium	390	mg/L	2.7	98	70	130			
Vanadium	5.46	mg/L	0.10	106	70	130			
Sample ID: C08040891-001EMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_080508A				05/08/08 19:03
Aluminum	4.87	mg/L	0.10	93	70	130	0.4	20	
Beryllium	4.77	mg/L	0.010	94	70	130	0.3	20	

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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: E200.7								Batch: R100898	
Sample ID: C08040891-001EMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_080508A			05/08/08 19:03	
Calcium	949	mg/L	1.0	100	70	130	0.6	20	
Cobalt	4.88	mg/L	0.016	96	70	130	0.4	20	
Magnesium	400	mg/L	1.0	103	70	130	2.6	20	
Manganese	6.66	mg/L	0.010	95	70	130	0.2	20	
Molybdenum	5.06	mg/L	0.10	92	70	130	0.2	20	
Nickel	4.91	mg/L	0.050	96	70	130	0.6	20	
Potassium	246	mg/L	1.0	94	70	130	0.6	20	
Sodium	394	mg/L	2.7	100	70	130	0.9	20	
Vanadium	5.38	mg/L	0.10	104	70	130	1.6	20	
Sample ID: C08041143-001AMS2	Sample Matrix Spike				Run: ICP2-C_080508A			05/08/08 20:40	
Aluminum	4.52	mg/L	0.10	89	70	130			
Beryllium	5.17	mg/L	0.010	101	70	130			
Calcium	265	mg/L	1.0	101	70	130			
Cobalt	5.11	mg/L	0.016	100	70	130			
Magnesium	253	mg/L	1.0	98	70	130			
Manganese	5.08	mg/L	0.010	100	70	130			
Molybdenum	4.96	mg/L	0.10	97	70	130			
Nickel	4.95	mg/L	0.050	97	70	130			
Potassium	246	mg/L	1.0	92	70	130			
Sodium	1520	mg/L	2.7		70	130			A
Vanadium	4.91	mg/L	0.10	96	70	130			
Sample ID: C08041143-001AMSD2	Sample Matrix Spike Duplicate				Run: ICP2-C_080508A			05/08/08 20:44	
Aluminum	4.77	mg/L	0.10	94	70	130	5.5	20	
Beryllium	5.22	mg/L	0.010	102	70	130	1.0	20	
Calcium	268	mg/L	1.0	102	70	130	1.1	20	
Cobalt	5.09	mg/L	0.016	100	70	130	0.3	20	
Magnesium	251	mg/L	1.0	98	70	130	0.6	20	
Manganese	5.13	mg/L	0.010	100	70	130	0.8	20	
Molybdenum	5.04	mg/L	0.10	99	70	130	1.6	20	
Nickel	4.95	mg/L	0.050	97	70	130	0.1	20	
Potassium	246	mg/L	1.0	92	70	130	0.3	20	
Sodium	1500	mg/L	2.7		70	130	1.3	20	A
Vanadium	4.88	mg/L	0.10	96	70	130	0.7	20	

Qualifiers:

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ND - Not detected at the reporting limit.

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

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Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: R100906	
Sample ID: LRB	Method Blank				Run: ICPMS2-C_080509A			05/09/08 10:29	
Cadmium	1E-05	mg/L	1E-05						
Lead	ND	mg/L	3E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS2-C_080509A			05/09/08 10:36	
Cadmium	0.0508	mg/L	0.0010	102	85	115			
Lead	0.0530	mg/L	0.0010	106	85	115			
Uranium	0.0508	mg/L	0.00030	101	85	115			
Sample ID: C08040891-003EMS4	Post Digestion Spike				Run: ICPMS2-C_080509A			05/09/08 21:41	
Cadmium	0.257	mg/L	0.010	100	70	130			
Lead	0.272	mg/L	0.050	104	70	130			
Uranium	0.325	mg/L	0.00030	109	70	130			
Sample ID: C08040891-003EMSD4	Post Digestion Spike Duplicate				Run: ICPMS2-C_080509A			05/09/08 21:47	
Cadmium	0.251	mg/L	0.010	97	70	130	2.3	20	
Lead	0.266	mg/L	0.050	102	70	130	2.1	20	
Uranium	0.319	mg/L	0.00030	107	70	130	1.8	20	
Sample ID: C08040891-011EMS4	Post Digestion Spike				Run: ICPMS2-C_080509A			05/10/08 00:10	
Cadmium	0.107	mg/L	0.010	106	70	130			
Lead	0.117	mg/L	0.050	116	70	130			
Uranium	0.127	mg/L	0.00030	118	70	130			
Sample ID: C08040891-011EMSD4	Post Digestion Spike Duplicate				Run: ICPMS2-C_080509A			05/10/08 00:17	
Cadmium	0.0818	mg/L	0.010	82	70	130	26	20	R
Lead	0.0888	mg/L	0.050	88	70	130	27	20	R
Uranium	0.0975	mg/L	0.00030	89	70	130	26	20	R

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

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QA/QC Summary Report

Client: United Nuclear Corp
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Report Date: 06/09/08
Work Order: C08040891

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: R101256	
Sample ID: LRB	Method Blank				Run: ICPMS2-C_080516A			05/16/08 11:59	
Cadmium	ND	mg/L	1E-05						
Lead	ND	mg/L	3E-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_080516A			05/16/08 12:06	
Cadmium	0.0519	mg/L	0.0010	104	85	115			
Lead	0.0528	mg/L	0.0010	106	85	115			
Nickel	0.0529	mg/L	0.0010	106	85	115			
Uranium	0.0523	mg/L	0.00030	105	85	115			
Vanadium	0.0526	mg/L	0.0010	105	85	115			
Sample ID: C08041245-001AMS	Sample Matrix Spike				Run: ICPMS2-C_080516A			05/16/08 13:54	
Cadmium	0.0480	mg/L	0.0010	96	70	130			
Lead	0.0355	mg/L	0.0010	66	70	130			S
Nickel	0.0521	mg/L	0.0010	95	70	130			
Uranium	0.0275	mg/L	0.00030	55	70	130			S
Vanadium	0.0388	mg/L	0.0010	76	70	130			
Sample ID: C08041245-001AMSD	Sample Matrix Spike Duplicate				Run: ICPMS2-C_080516A			05/16/08 14:01	
Cadmium	0.0489	mg/L	0.0010	98	70	130	1.9	20	
Lead	0.0448	mg/L	0.0010	85	70	130	23	20	R
Nickel	0.0526	mg/L	0.0010	96	70	130	0.8	20	
Uranium	0.0284	mg/L	0.00030	57	70	130	3.2	20	S
Vanadium	0.0420	mg/L	0.0010	82	70	130	7.7	20	
Sample ID: C08040891-005EMS4	Post Digestion Spike				Run: ICPMS2-C_080516A			05/16/08 16:30	
Cadmium	0.244	mg/L	0.010	98	70	130			
Lead	0.266	mg/L	0.050	107	70	130			
Nickel	0.377	mg/L	0.050	97	70	130			
Uranium	0.287	mg/L	0.00030	110	70	130			
Vanadium	0.309	mg/L	0.10	123	70	130			
Sample ID: C08040891-005EMSD4	Post Digestion Spike Duplicate				Run: ICPMS2-C_080516A			05/16/08 16:37	
Cadmium	0.243	mg/L	0.010	97	70	130	0.4	20	
Lead	0.265	mg/L	0.050	106	70	130	0.4	20	
Nickel	0.370	mg/L	0.050	94	70	130	1.9	20	
Uranium	0.288	mg/L	0.00030	110	70	130	0.1	20	
Vanadium	0.309	mg/L	0.10	123	70	130	0.1	20	

Qualifiers:

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ND - Not detected at the reporting limit.
R - RPD exceeds advisory 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: 06/09/08
Work Order: C08040891

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R101256
Sample ID: C08041005-006CMS4	Post Digestion Spike				Run: ICPMS2-C_080516A				05/16/08 18:45
Cadmium	0.0444	mg/L	0.010	89	70	130			
Lead	0.0530	mg/L	0.050	105	70	130			
Nickel	0.0458	mg/L	0.050	87	70	130			
Uranium	2.11	mg/L	0.00030		70	130			A
Sample ID: C08041005-006CMSD4	Post Digestion Spike Duplicate				Run: ICPMS2-C_080516A				05/16/08 18:52
Cadmium	0.0441	mg/L	0.010	88	70	130	0.7	20	
Lead	0.0536	mg/L	0.050	106	70	130	1.1	20	
Nickel	0.0465	mg/L	0.050	89	70	130	0.0	20	
Uranium	2.12	mg/L	0.00030		70	130	0.4	20	A
Method: E200.8									Batch: R101379
Sample ID: LRB	Method Blank				Run: ICPMS2-C_080519A				05/19/08 12:19
Cobalt	ND	mg/L	2E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS2-C_080519A				05/19/08 12:26
Cobalt	0.0500	mg/L	0.0010	100	85	115			
Sample ID: C08050096-003BMS4	Post Digestion Spike				Run: ICPMS2-C_080519A				05/20/08 06:20
Cobalt	0.0462	mg/L	0.010	92	70	130			
Sample ID: C08050096-003BMSD4	Post Digestion Spike Duplicate				Run: ICPMS2-C_080519A				05/20/08 06:27
Cobalt	0.0488	mg/L	0.010	98	70	130	5.6	20	
Method: E200.8									Batch: R102053
Sample ID: LRB	Method Blank				Run: ICPMS2-C_080602A				06/02/08 13:51
Cobalt	ND	mg/L	2E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS2-C_080602A				06/02/08 13:58
Cobalt	0.0514	mg/L	0.0010	103	85	115			
Sample ID: C08050600-003CMS4	Post Digestion Spike				Run: ICPMS2-C_080602A				06/02/08 14:46
Cobalt	0.0526	mg/L	0.010	99	70	130			

Qualifiers:

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ND - Not detected at the reporting limit.

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

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 06/09/08
Work Order: C08040891

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E350.1								Batch: B_R109620	
Sample ID: MBLK	Method Blank				Run: SUB-B109620			04/24/08 07:52	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B109620			04/24/08 07:53	
Nitrogen, Ammonia as N	1.02	mg/L	0.10	103	90	110			
Sample ID: C08040859-001F	Sample Matrix Spike				Run: SUB-B109620			04/24/08 09:51	
Nitrogen, Ammonia as N	1.73	mg/L	0.10	115	90	110			S
Sample ID: C08040859-001F	Sample Matrix Spike Duplicate				Run: SUB-B109620			04/24/08 09:52	
Nitrogen, Ammonia as N	1.72	mg/L	0.10	114	90	110	0.5	10	S
Method: E350.1								Batch: B_R109754	
Sample ID: MBLK	Method Blank				Run: SUB-B109754			04/25/08 10:33	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B109754			04/25/08 10:34	
Nitrogen, Ammonia as N	1.03	mg/L	0.10	104	90	110			
Sample ID: B08042443-002AMS	Sample Matrix Spike				Run: SUB-B109754			04/25/08 11:09	
Nitrogen, Ammonia as N	5.94	mg/L	0.11	99	90	110			
Sample ID: B08042443-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-B109754			04/25/08 11:10	
Nitrogen, Ammonia as N	5.93	mg/L	0.11	99	90	110	0.1	10	
Sample ID: C08040891-002D	Sample Matrix Spike				Run: SUB-B109754			04/25/08 10:39	
Nitrogen, Ammonia as N	1.20	mg/L	0.10	77	90	110			S
Sample ID: C08040891-002D	Sample Matrix Spike Duplicate				Run: SUB-B109754			04/25/08 10:40	
Nitrogen, Ammonia as N	1.19	mg/L	0.10	76	90	110	0.6	10	S
Method: E350.1								Batch: B_R109916	
Sample ID: MBLK	Method Blank				Run: SUB-B109916			04/29/08 09:42	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B109916			04/29/08 09:44	
Nitrogen, Ammonia as N	1.04	mg/L	0.10	105	90	110			
Sample ID: B08042805-003EMS	Sample Matrix Spike				Run: SUB-B109916			04/29/08 12:13	
Nitrogen, Ammonia as N	16.5	mg/L	0.11	93	90	110			
Sample ID: B08042805-003EMSD	Sample Matrix Spike Duplicate				Run: SUB-B109916			04/29/08 12:14	
Nitrogen, Ammonia as N	16.7	mg/L	0.11	96	90	110	0.9	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 06/09/08
Work Order: C08040891

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E350.1									Batch: B_R110006
Sample ID: MBLK	Method Blank				Run: SUB-B110006				04/30/08 10:33
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B110006				04/30/08 10:34
Nitrogen, Ammonia as N	1.06	mg/L	0.10	107	90	110			
Sample ID: C08041156-001E	Sample Matrix Spike				Run: SUB-B110006				04/30/08 11:31
Nitrogen, Ammonia as N	1.01	mg/L	0.10	98	90	110			
Sample ID: C08041156-001E	Sample Matrix Spike Duplicate				Run: SUB-B110006				04/30/08 11:32
Nitrogen, Ammonia as N	0.982	mg/L	0.10	96	90	110	2.4	10	
Sample ID: C08041176-001C	Sample Matrix Spike				Run: SUB-B110006				04/30/08 11:46
Nitrogen, Ammonia as N	1.03	mg/L	0.10	103	90	110			
Sample ID: C08041176-001C	Sample Matrix Spike Duplicate				Run: SUB-B110006				04/30/08 11:47
Nitrogen, Ammonia as N	1.03	mg/L	0.10	103	90	110	0.0	10	
Method: E353.2									Batch: B_R109782
Sample ID: MBLK	Method Blank				Run: SUB-B109782				04/26/08 05:33
Nitrogen, Nitrate+Nitrite as N	*0.003*	*mg/L*	*0.002*						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B109782				04/26/08 05:34
Nitrogen, Nitrate+Nitrite as N	0.964	mg/L	0.050	98	90	110			
Sample ID: C08040891-008D	Sample Matrix Spike				Run: SUB-B109782				04/26/08 08:10
Nitrogen, Nitrate+Nitrite as N	0.493	mg/L	0.050	46	90	110			S
Sample ID: C08040891-008D	Sample Matrix Spike Duplicate				Run: SUB-B109782				04/26/08 08:11
Nitrogen, Nitrate+Nitrite as N	0.488	mg/L	0.050	46	90	110	1.0	10	S

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 06/09/08
Work Order: C08040891

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2									Batch: B_R109832
Sample ID: MBLK	Method Blank				Run: SUB-B109832				04/28/08 10:56
Nitrogen, Nitrate+Nitrite as N	0.006	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B109832				04/28/08 10:57
Nitrogen, Nitrate+Nitrite as N	1.00	mg/L	0.050	102	90	110			
Sample ID: B08042454-001CMS	Sample Matrix Spike				Run: SUB-B109832				04/28/08 11:53
Nitrogen, Nitrate+Nitrite as N	1.46	mg/L	0.050	108	90	110			
Sample ID: B08042454-001CMSD	Sample Matrix Spike Duplicate				Run: SUB-B109832				04/28/08 11:54
Nitrogen, Nitrate+Nitrite as N	1.45	mg/L	0.050	107	90	110	0.6	10	
Sample ID: B08042265-008BMS	Sample Matrix Spike				Run: SUB-B109832				04/28/08 11:20
Nitrogen, Nitrate+Nitrite as N	1.09	mg/L	0.050	105	90	110			
Sample ID: B08042265-008BMSD	Sample Matrix Spike Duplicate				Run: SUB-B109832				04/28/08 11:21
Nitrogen, Nitrate+Nitrite as N	1.09	mg/L	0.050	106	90	110	0.1	10	

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 06/09/08
Work Order: C08040891

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R100015
Sample ID: 042208_LCS_2	Laboratory Control Sample				Run: SATURNCA_080422A				04/22/08 12:00
Bromodichloromethane	5.16	ug/L	1.0	103	70	130			
Bromoform	5.48	ug/L	1.0	110	70	130			
Chlorodibromomethane	5.12	ug/L	1.0	102	70	130			
Chloroform	5.76	ug/L	1.0	115	70	130			
Trihalomethanes, Total	21.5	ug/L	1.0	108	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	97	80	120			
Surr: Dibromofluoromethane			1.0	103	80	120			
Surr: p-Bromofluorobenzene			1.0	100	80	120			
Surr: Toluene-d8			1.0	106	80	120			
Sample ID: 042208_MBLK_5	Method Blank				Run: SATURNCA_080422A				04/22/08 13:54
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				95	80	120			
Surr: Dibromofluoromethane				108	80	120			
Surr: p-Bromofluorobenzene				92	80	120			
Surr: Toluene-d8				103	80	120			
Sample ID: C08040865-001CMS	Sample Matrix Spike				Run: SATURNCA_080422A				04/22/08 18:37
Bromodichloromethane	9760	ug/L	500	98	70	130			
Bromoform	10600	ug/L	500	106	70	130			
Chlorodibromomethane	10000	ug/L	500	100	70	130			
Chloroform	10800	ug/L	500	108	70	130			
Trihalomethanes, Total	41200	ug/L	500	103	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	104	80	120			
Surr: Dibromofluoromethane			1.0	96	80	120			
Surr: p-Bromofluorobenzene			1.0	106	80	120			
Surr: Toluene-d8			1.0	101	80	120			
Sample ID: C08040865-001CMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_080422A				04/22/08 19:15
Bromodichloromethane	9920	ug/L	500	99	70	130	1.6	20	
Bromoform	10600	ug/L	500	106	70	130	0.4	20	
Chlorodibromomethane	10300	ug/L	500	103	70	130	2.8	20	
Chloroform	10800	ug/L	500	108	70	130	0.4	20	
Trihalomethanes, Total	41600	ug/L	500	104	70	130	1.1	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	101	80	120			
Surr: Dibromofluoromethane			1.0	98	80	120			
Surr: p-Bromofluorobenzene			1.0	108	80	120			

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 06/09/08
Work Order: C08040891

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R100015
Sample ID: C08040865-001CMSD	Sample Matrix Spike Duplicate				Run: SATURNCA_080422A				04/22/08 19:15
Surr: Toluene-d8			1.0	99	80	120			
Method: E900.1									Batch: GA-0126
Sample ID: LCS-GA-0126	Laboratory Control Sample				Run: G5000W_080506B				05/12/08 12:49
Gross Alpha minus Rn & U	23.7	pCi/L	1.0	109	70	130			
Sample ID: MB-GA-0126	Method Blank				Run: G5000W_080506B				05/12/08 12:49
Gross Alpha minus Rn & U	0.7	pCi/L							
Sample ID: C08041040-001IMS	Sample Matrix Spike				Run: G5000W_080506B				05/12/08 12:49
Gross Alpha minus Rn & U	23.2	pCi/L	1.0	104	70	130			
Sample ID: C08041040-001IMSD	Sample Matrix Spike Duplicate				Run: G5000W_080506B				05/12/08 14:38
Gross Alpha minus Rn & U	21.3	pCi/L	1.0	95	70	130	8.5	22.3	
Method: E903.0									Batch: RA226-2775
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770_080506B				05/19/08 13:38
Radium 226	5.5	pCi/L		87	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080506B				05/19/08 13:38
Radium 226	5.6	pCi/L		87	70	130	0.7	25.4	
Sample ID: MB-RA226-2775	Method Blank				Run: BERTHOLD 770_080506B				05/19/08 13:38
Radium 226	-0.1	pCi/L							U
Sample ID: LCS-RA226-2775	Laboratory Control Sample				Run: BERTHOLD 770_080506B				05/19/08 13:38
Radium 226	5.1	pCi/L		83	70	130			
Method: E903.0									Batch: RA226-2816
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770_080520A				05/28/08 12:10
Radium 226	6.9	pCi/L		87	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080520A				05/28/08 12:10
Radium 226	6.3	pCi/L		80	70	130	8.1	23.6	
Sample ID: LCS-RA226-2816	Laboratory Control Sample				Run: BERTHOLD 770_080520A				05/28/08 12:10
Radium 226	6.6	pCi/L		83	70	130			

- MB accidently omitted by analyst. Since MS, MSD, and LCS are within range the batch is approved.

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QA/QC Summary Report

Client: United Nuclear Corp
Project: Zone 3

Report Date: 06/09/08
Work Order: C08040891

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: R100804
Sample ID: LCS-R100804	Laboratory Control Sample				Run: EGG-ORTEC_080428B				04/28/08 15:00
Thorium 230	11.3	pCi/L	0.20	102	70	130			
Sample ID: C08040890-007AMS	Sample Matrix Spike				Run: EGG-ORTEC_080428B				04/28/08 15:00
Thorium 230	46.1	pCi/L	0.20	95	70	130			
Sample ID: C08040890-007AMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_080428B				04/28/08 15:00
Thorium 230	48.6	pCi/L	0.20	101	70	130	5.3	30	
Sample ID: MB-R100804	Method Blank				Run: EGG-ORTEC_080428B				04/28/08 15:00
Thorium 230	ND	pCi/L							U
Method: E909.0M									Batch: R101099
Sample ID: C08040890-005AMS	Sample Matrix Spike				Run: PACKARD 3100TR_080429C				04/29/08 10:15
Lead 210	490	pCi/L	1.0	84	70	130			
Sample ID: C08040890-005AMSD	Sample Matrix Spike Duplicate				Run: PACKARD 3100TR_080429C				04/29/08 10:15
Lead 210	700	pCi/L	1.0	119	70	130	35	30	R
Sample ID: MB-R101099	Method Blank				Run: PACKARD 3100TR_080429C				04/29/08 10:15
Lead 210	ND	pCi/L							U
Sample ID: LCS-R101099	Laboratory Control Sample				Run: PACKARD 3100TR_080429C				04/29/08 10:15
Lead 210	120	pCi/L	1.0	99	70	130			
Method: RA-05									Batch: RA228-2117
Sample ID: LCS-228-RA226-2774	Laboratory Control Sample				Run: TENNELEC-3_080506C				05/09/08 15:21
Radium 228	11	pCi/L		122	70	130			
Sample ID: MB-RA226-2774	Method Blank				Run: TENNELEC-3_080506C				05/09/08 13:07
Radium 228	-0.6	pCi/L							U
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_080506C				05/09/08 13:07
Radium 228	11	pCi/L		111	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080506C				05/09/08 13:07
Radium 228	10	pCi/L		106	70	130	4.7	33.6	

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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: 06/09/08
Work Order: C08040891

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05									Batch: RA228-2118
Sample ID: LCS-228-RA226-2775	Laboratory Control Sample				Run: TENNELEC-3_080506B				05/12/08 12:51
Radium 228	8.4	pCi/L		83	70	130			
Sample ID: MB-RA226-2775	Method Blank				Run: TENNELEC-3_080506B				05/12/08 12:51
Radium 228	0.1	pCi/L							U
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_080506B				05/12/08 12:51
Radium 228	9.2	pCi/L		90	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080506B				05/12/08 10:43
Radium 228	7.9	pCi/L		77	70	130	15	33	

Qualifiers:

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

ENERGY LABORATORIES, INC. • 2393 Salt Creek Highway (82601) • P.O. Box 3258 • Casper, WY 82602
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ANALYTICAL SUMMARY REPORT

July 20, 2008

United Nuclear Corp
PO Box 3077
Gallup, NM 87305

Workorder No.: C08040891 Quote ID: C129 - Quarterly Long List

Project Name: Zone 3

Energy Laboratories, Inc. received the following 15 samples from United Nuclear Corp on 4/18/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08040891-001	420	04/15/08 09:20	04/18/08	Aqueous	Metals by ICP/ICPMS, Total Alkalinity Chloride Arsenic-III, Total Selenium-IV, Total Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Lead 210, Total Radium 226, Total Radium 228, Total Thorium, Isotopic Solids, Total Dissolved Sulfate E624 Purgeable Organics
C08040891-002	504-B	04/15/08 15:00	04/18/08	Aqueous	Same As Above
C08040891-003	517	04/15/08 11:50	04/18/08	Aqueous	Same As Above
C08040891-004	NBL-1	04/15/08 13:35	04/18/08	Aqueous	Same As Above
C08040891-005	EPA-13	04/14/08 16:00	04/18/08	Aqueous	Same As Above
C08040891-006	EPA-14	04/15/08 10:35	04/18/08	Aqueous	Same As Above
C08040891-007	708	04/15/08 11:15	04/18/08	Aqueous	Same As Above
C08040891-008	711	04/14/08 14:50	04/18/08	Aqueous	Same As Above
C08040891-009	711 Duplicate	04/14/08 15:20	04/18/08	Aqueous	Same As Above
C08040891-010	717	04/15/08 10:00	04/18/08	Aqueous	Same As Above
C08040891-011	719	04/15/08 08:50	04/18/08	Aqueous	Same As Above
C08040891-012	PB-2	04/15/08 14:45	04/18/08	Aqueous	Alkalinity Chloride pH Solids, Total Dissolved
C08040891-013	PB-3	04/15/08 14:10	04/18/08	Aqueous	Same As Above
C08040891-014	NBL-2	04/15/08 15:50	04/18/08	Aqueous	Same As Above

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C08040891-015 PB-4	04/15/08 14:30 04/18/08	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: 20-Jul-08

CLIENT: United Nuclear Corp
Project: Zone 3
Sample Delivery Group: C08040891

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

REVISED/SUPPLEMENTAL REPORT
This report was revised from a previously submitted report to correct U flags missing on some Radiochemical analyses. This correction was requested by James Ewart.

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
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

Revised Date: 07/20/08
Report Date: 06/09/08
Work Order: C08040891

Client: United Nuclear Corp
Project: Zone 3

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1									Batch: GA-0126
Sample ID: LCS-GA-0126	Laboratory Control Sample				Run: G5000W_080506B				05/12/08 12:49
Gross Alpha minus Rn & U	23.7	pCi/L	1.0	109	70	130			
Sample ID: MB-GA-0126	Method Blank				Run: G5000W_080506B				05/12/08 12:49
Gross Alpha minus Rn & U	0.7	pCi/L							U
Sample ID: C08041040-001IMS	Sample Matrix Spike				Run: G5000W_080506B				05/12/08 12:49
Gross Alpha minus Rn & U	23.2	pCi/L	1.0	104	70	130			
Sample ID: C08041040-001IMSD	Sample Matrix Spike Duplicate				Run: G5000W_080506B				05/12/08 14:38
Gross Alpha minus Rn & U	21.3	pCi/L	1.0	95	70	130	8.5	22.3	
Method: E903.0									Batch: RA226-2775
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770_080506B				05/19/08 13:38
Radium 226	5.5	pCi/L		87	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080506B				05/19/08 13:38
Radium 226	5.6	pCi/L		87	70	130	0.7	25.4	
Sample ID: MB-RA226-2775	Method Blank				Run: BERTHOLD 770_080506B				05/19/08 13:38
Radium 226	-0.1	pCi/L							U
Sample ID: LCS-RA226-2775	Laboratory Control Sample				Run: BERTHOLD 770_080506B				05/19/08 13:38
Radium 226	5.1	pCi/L		83	70	130			
Method: E903.0									Batch: RA226-2816
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: BERTHOLD 770_080520A				05/28/08 12:10
Radium 226	6.9	pCi/L		87	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080520A				05/28/08 12:10
Radium 226	6.3	pCi/L		80	70	130	8.1	23.6	
Sample ID: LCS-RA226-2816	Laboratory Control Sample				Run: BERTHOLD 770_080520A				05/28/08 12:10
Radium 226	6.6	pCi/L		83	70	130			

- MB accidently omitted by analyst. Since MS, MSD, and LCS are within range the batch is approved.

Qualifiers:

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ND - Not detected at the reporting limit.
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QA/QC Summary Report

Revised Date: 07/20/08
Report Date: 06/09/08
Work Order: C08040891

Client: United Nuclear Corp
Project: Zone 3

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0								Batch: R100804	
Sample ID: LCS-R100804	Laboratory Control Sample				Run: EGG-ORTEC_080428B			04/28/08 15:00	
Thorium 230	11.3	pCi/L	0.20	102	70	130			
Sample ID: C08040890-007AMS	Sample Matrix Spike				Run: EGG-ORTEC_080428B			04/28/08 15:00	
Thorium 230	46.1	pCi/L	0.20	95	70	130			
Sample ID: C08040890-007AMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_080428B			04/28/08 15:00	
Thorium 230	48.6	pCi/L	0.20	101	70	130	5.3	30	
Sample ID: MB-R100804	Method Blank				Run: EGG-ORTEC_080428B			04/28/08 15:00	
Thorium 230	ND	pCi/L							U
Method: E909.0M								Batch: R101099	
Sample ID: C08040890-005AMS	Sample Matrix Spike				Run: PACKARD 3100TR_080429C			04/29/08 10:15	
Lead 210	490	pCi/L	1.0	84	70	130			
Sample ID: C08040890-005AMSD	Sample Matrix Spike Duplicate				Run: PACKARD 3100TR_080429C			04/29/08 10:15	
Lead 210	700	pCi/L	1.0	119	70	130	35	30	R
Sample ID: MB-R101099	Method Blank				Run: PACKARD 3100TR_080429C			04/29/08 10:15	
Lead 210	ND	pCi/L							U
Sample ID: LCS-R101099	Laboratory Control Sample				Run: PACKARD 3100TR_080429C			04/29/08 10:15	
Lead 210	120	pCi/L	1.0	99	70	130			
Method: RA-05								Batch: RA228-2117	
Sample ID: LCS-228-RA226-2774	Laboratory Control Sample				Run: TENNELEC-3_080506C			05/09/08 15:21	
Radium 228	11	pCi/L		122	70	130			
Sample ID: MB-RA226-2774	Method Blank				Run: TENNELEC-3_080506C			05/09/08 13:07	
Radium 228	-0.6	pCi/L							U
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_080506C			05/09/08 13:07	
Radium 228	11	pCi/L		111	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080506C			05/09/08 13:07	
Radium 228	10	pCi/L		106	70	130	4.7	33.6	

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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QA/QC Summary Report

Revised Date: 07/20/08
Report Date: 06/09/08
Work Order: C08040891

Client: United Nuclear Corp
Project: Zone 3

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05									Batch: RA228-2118
Sample ID: LCS-228-RA226-2775	Laboratory Control Sample				Run: TENNELEC-3_080506B				05/12/08 12:51
Radium 228	8.4	pCi/L		83	70	130			
Sample ID: MB-RA226-2775	Method Blank				Run: TENNELEC-3_080506B				05/12/08 12:51
Radium 228	0.1	pCi/L							U
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: TENNELEC-3_080506B				05/12/08 12:51
Radium 228	9.2	pCi/L		90	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: TENNELEC-3_080506B				05/12/08 10:43
Radium 228	7.9	pCi/L		77	70	130	15	33	

Qualifiers:

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