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Finalized Date: 22-NOV-2008
Account: ATOENE

QC CERTIFICATE AS08149852

Project: KURINELLI

P.O. No.: 266229

This report is for 20 Percussion samples submitted to our lab in Alice Springs, NT, Australia on 22-OCT-2008.

The following have access to data associated with this certificate:

RUDY LENNARTZ

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
WSH-22	"Wash" pulverizers
LEV-01	Waste Disposal Levy
PUL-23	Pulv Sample - Split/Retain
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	48 element four acid ICP-MS
Au-AA23	Au 30g FA-AA finish AAS

To: **ATOM ENERGY LTD**
ATTN: RUDY LENNARTZ
PO BOX 3896
ALICE SPRINGS WA

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Wayne Abbott, Operations Manager, Western Australia



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QC CERTIFICATE OF ANALYSIS AS08149852

Sample Description	Method	Au-AA23	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
STANDARDS																
G2000			3.62	5.04	478	2340	1.51	1.01	0.60	7.28	51.6	24.1	98	12.25	297	3.84
Target Range - Lower Bound			3.22	4.52	435	2000	1.25	0.98	0.51	6.82	47.9	22.6	90	11.10	273	3.46
Upper Bound			3.96	5.54	533	2720	1.63	1.22	0.65	8.38	58.5	27.8	112	13.70	334	4.26
GEOMS-03			0.68	5.05	603	2320	1.53	0.34	0.37	0.34	48.1	11.0	112	9.41	128.5	4.04
Target Range - Lower Bound			0.67	4.61	570	2060	1.34	0.31	0.33	0.30	47.0	10.7	105	9.04	120.5	3.64
Upper Bound			0.85	5.65	697	2810	1.74	0.41	0.43	0.42	57.4	13.3	131	11.15	147.5	4.48
ST-289		1.195														
ST-289		1.340														
Target Range - Lower Bound		1.165														
Upper Bound		1.355														
ST-327		6.97														
ST-327		7.08														
Target Range - Lower Bound		6.35														
Upper Bound		7.31														
BLANKS																
BLANK		<0.005														
BLANK		<0.005														
BLANK			0.02	<0.01	<0.2	<10	<0.05	<0.01	<0.01	<0.02	0.01	<0.1	1	0.05	<0.2	<0.01
Target Range - Lower Bound		<0.005	<0.01	<0.01	<0.2	<10	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2	<0.01
Upper Bound		0.010	0.02	0.02	0.4	20	0.10	0.02	0.02	0.04	0.02	0.2	2	0.10	0.4	0.02
DUPLICATES																
FLUSH C			0.01	5.41	0.3	890	1.21	0.03	0.94	0.04	23.2	4	14	1.2	5.8	1.17
DUP			0.02	5.61	0.2	930	1.12	0.03	0.99	0.03	23.3	4.4	14	1.18	6.0	1.26
Target Range - Lower Bound			<0.01	5.22	<0.2	830	1.06	0.02	0.91	<0.02	22.1	3.9	12	1.08	5.4	1.14
Upper Bound			0.02	5.80	0.4	990	1.27	0.04	1.02	0.04	24.4	4.5	16	1.30	6.4	1.29
KURC0005		0.019														
DUP		0.016														
Target Range - Lower Bound		0.012														
Upper Bound		0.023														



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QC CERTIFICATE OF ANALYSIS AS08149852

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
STANDARDS																
G2000		12.40	0.12	1.3	0.394	1.31	27.4	43.1	0.72	580	5.98	0.14	11.6	279	960	659
Target Range - Lower Bound		11.65	0.09	1.1	0.355	1.14	25.9	37.0	0.67	506	5.62	0.12	10.4	246	870	603
Upper Bound		14.35	0.22	1.6	0.445	1.42	32.7	45.6	0.85	630	6.98	0.16	13.0	302	1080	738
GEOMS-03		13.00	0.12	1.3	0.048	1.12	26.0	40.2	0.48	509	3.15	0.09	15.1	53.1	1040	7.3
Target Range - Lower Bound		12.00	0.10	1.2	0.035	1.03	25.6	37.6	0.48	483	3.05	0.06	13.1	48.1	970	7.2
Upper Bound		14.75	0.24	1.6	0.053	1.29	32.4	46.4	0.60	601	3.83	0.10	16.3	59.3	1210	9.9
ST-289																
ST-289																
Target Range - Lower Bound																
Upper Bound																
ST-327																
ST-327																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
BLANK																
BLANK		<0.05	<0.05	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	0.2	<10	<0.5
Target Range - Lower Bound		<0.05	<0.05	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2	<10	<0.5
Upper Bound		0.10	0.10	0.2	0.010	0.02	1.0	0.4	0.02	10	0.10	0.02	0.2	0.4	20	1.0
DUPLICATES																
FLUSH C		10.9	0.07	1.1	0.015	2.79	12.7	5.9	0.23	168	0.56	1.34	2.2	9	120	23.1
DUP		10.90	0.07	1.2	0.016	2.92	12.7	5.2	0.24	174	0.55	1.38	2.2	8.8	130	23.6
Target Range - Lower Bound		10.30	<0.05	1.0	0.010	2.70	11.6	5.1	0.21	157	0.48	1.28	2.0	8.3	110	21.7
Upper Bound		11.50	0.10	1.3	0.021	3.01	13.8	6.0	0.26	185	0.63	1.44	2.4	9.5	140	25.0
KURC0005																
DUP																
Target Range - Lower Bound																
Upper Bound																



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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1
STANDARDS																
G2000		68.4	0.006	0.26	31.0	11.5	5	2.1	118.5	0.77	0.13	6.8	0.365	0.97	3.4	104
Target Range - Lower Bound		62.9	0.003	0.23	29.3	10.3	4	1.8	104.5	0.65	0.09	6.4	0.314	0.84	2.9	94
Upper Bound		77.1	0.009	0.30	39.7	12.8	7	2.6	128.0	0.91	0.22	8.2	0.395	1.18	3.7	117
GEOMS-03		58.7	0.003	0.03	21.3	12.8	3	2.4	165.5	0.98	0.10	6.4	0.469	1.15	3.6	113
Target Range - Lower Bound		55.7	<0.002	0.03	15.85	12.4	2	2.1	157.5	0.81	0.07	6.2	0.409	0.99	3.1	104
Upper Bound		68.3	0.004	0.05	21.5	15.4	4	3.0	192.5	1.10	0.19	8.0	0.511	1.39	4.0	130
ST-289																
ST-289																
Target Range - Lower Bound																
Upper Bound																
ST-327																
ST-327																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
BLANK																
BLANK		0.2	0.002	<0.01	<0.05	0.1	<1	<0.2	<0.2	<0.05	<0.05	<0.2	<0.005	<0.02	<0.1	1
Target Range - Lower Bound		<0.1	<0.002	<0.01	<0.05	<0.1	<1	<0.2	<0.2	<0.05	<0.05	<0.2	<0.005	<0.02	<0.1	<1
Upper Bound		0.2	0.004	0.02	0.10	0.2	5	0.4	0.4	0.10	0.10	0.4	0.010	0.04	0.2	2
DUPLICATES																
FLUSH C		114	0.002	<0.01	<0.05	3.9	1	0.7	215	0.16	<0.05	4.4	0.063	0.46	0.7	17
DUP		116.0	0.003	<0.01	<0.05	3.8	1	0.7	221	0.16	<0.05	4.5	0.064	0.42	0.7	19
Target Range - Lower Bound		109.0	<0.002	<0.01	<0.05	3.6	<1	0.5	207	0.10	<0.05	4.0	0.055	0.39	0.6	16
Upper Bound		121.0	0.004	0.02	0.10	4.1	2	0.9	229	0.22	0.10	4.9	0.072	0.49	0.8	20
KURC0005																
DUP																
Target Range - Lower Bound																
Upper Bound																



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Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61
Analyte	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
LOR	0.1	0.1	2	0.5
Sample Description				
STANDARDS				
G2000	17.3	22.6	1320	44.6
Target Range - Lower Bound	15.2	21.1	1155	37.5
Upper Bound	20.8	26.0	1415	51.9
GEOMS-03	22.3	21.2	45	48.3
Target Range - Lower Bound	18.1	19.8	40	38.3
Upper Bound	24.7	24.4	54	52.9
ST-289				
ST-289				
Target Range - Lower Bound				
Upper Bound				
ST-327				
ST-327				
Target Range - Lower Bound				
Upper Bound				
BLANKS				
BLANK	<0.1	<0.1	<2	<0.5
BLANK	<0.1	<0.1	<2	<0.5
BLANK	<0.1	<0.1	<2	<0.5
Target Range - Lower Bound	<0.1	<0.1	<2	<0.5
Upper Bound	0.2	0.2	4	1.0
DUPLICATES				
FLUSH C	0.2	6.6	11	40
DUP	0.2	6.4	11	41.8
Target Range - Lower Bound	<0.1	6.1	8	38.4
Upper Bound	0.3	6.9	14	43.4
KURC0005				
DUP				
Target Range - Lower Bound				
Upper Bound				



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Method	Au-AA23	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
Analyte	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
Sample Description	LOR	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.01
KURC0006	DUPLICATES														
DUP															
Target Range - Lower Bound															
Upper Bound															
FLUSH C		0.02	5.38	<0.2	900	1.05	<0.01	0.91	0.02	22.8	3.2	11	1.12	4.4	0.99
DUP		0.05	5.58	<0.2	930	1.05	<0.01	0.95	0.04	23.3	3.2	13	1.16	4.5	1.03
Target Range - Lower Bound		<0.01	5.22	<0.2	830	1.06	0.02	0.91	<0.02	22.1	3.9	12	1.08	5.4	1.14
Upper Bound		0.02	5.80	0.4	990	1.27	0.04	1.02	0.04	24.4	4.5	16	1.30	6.4	1.29



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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
KURC0006 DUP Target Range - Lower Bound Upper Bound	DUPLICATES															
FLUSH C DUP Target Range - Lower Bound Upper Bound	10.60 10.60 10.30 11.50	0.07 0.08 <0.05 0.10	1.1 1.2 1.0 1.3	0.013 0.013 0.010 0.021	2.83 2.90 2.70 3.01	12.4 12.6 11.6 13.8	5.1 5.1 5.1 6.0	0.22 0.22 0.21 0.26	150 155 157 185	0.34 0.36 0.48 0.63	1.33 1.38 1.28 1.44	2.0 2.0 2.0 2.4	7.4 7.9 8.3 9.5	120 130 110 140	24.1 23.9 21.7 25.0	



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Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1
KURC0006 DUP Target Range - Lower Bound Upper Bound	DUPLICATES														
FLUSH C	113.5	0.002	<0.01	<0.05	3.6	1	0.6	214	0.14	<0.05	4.8	0.058	0.43	0.7	16
DUP	116.0	0.002	<0.01	<0.05	3.6	1	0.6	220	0.15	<0.05	4.9	0.059	0.44	0.7	16
Target Range - Lower Bound	109.0	<0.002	<0.01	<0.05	3.6	<1	0.5	207	0.10	<0.05	4.0	0.055	0.39	0.6	16
Upper Bound	121.0	0.004	0.02	0.10	4.1	2	0.9	229	0.22	0.10	4.9	0.072	0.49	0.8	20



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Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
KURC0006 DUP Target Range - Lower Bound Upper Bound		DUPLICATES			
FLUSH C DUP Target Range - Lower Bound Upper Bound		0.1 0.1 <0.1 0.3	6.1 6.2 6.1 6.9	10 10 8 14	38.6 38.3 38.4 43.4



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Method	CERTIFICATE COMMENTS
ME-MS61	REE's may not be totally soluble in this method.