



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Australian Laboratory Services Pty Ltd

32 Shand Street

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Page: 1
Finalized Date: 22-NOV-2008
Account: ATOENE

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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CERTIFICATE OF ANALYSIS AS08149852

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	PUL-QC Pass75um %	Au-AA23 Au ppm	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm
		0.02	0.01	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
FLUSH A		<0.02		<0.005	0.01	5.4	0.5	880	1.2	0.03	0.95	0.03	23.3	3.8	14	1.16
FLUSH B		<0.02		<0.005	0.01	5.6	0.4	900	1.17	0.03	0.96	0.03	22.4	4.1	14	1.16
FLUSH C		<0.02		<0.005	0.01	5.41	0.3	890	1.21	0.03	0.94	0.04	23.2	4	14	1.2
KURC0001		1.40		<0.005	0.09	6.43	18.8	1500	1.47	0.99	0.08	0.03	10.9	4.5	47	0.36
KURC0002		1.03		0.024	0.05	4.03	3.3	330	1.01	0.18	0.26	0.05	42.5	9	41	2.41
KURC0003		2.08		<0.005	0.31	5.21	2.6	430	3.33	0.36	0.16	0.03	98.3	12.7	31	3.58
KURC0004		2.68		<0.005	0.15	1.33	4.6	490	0.72	0.2	1.25	0.03	32.4	5.2	37	0.79
KURC0005		0.86		0.019	0.06	0.61	2.7	220	0.24	0.08	0.03	<0.02	8.01	5	17	0.33
KURC0006		1.37		<0.005	0.03	0.42	3	280	0.37	0.22	0.01	0.02	8.49	2.7	10	0.32
KURC0007		0.07		<0.005	0.21	4.58	25.1	90	1.22	1.76	0.05	0.04	16.4	7	461	0.75
KURC0008		1.30	95.7	<0.005	0.07	1.06	2.3	950	0.3	0.15	0.04	0.02	8.59	2	21	0.78
KURC0009		1.79		<0.005	0.26	1.85	160.5	790	5.4	0.12	0.05	1.08	46.5	24.5	42	0.53
KURC0010		2.78		<0.005	0.23	1.28	37.2	1340	4.1	0.07	0.02	0.17	68.1	41.3	34	0.42
KURC0011		1.56		<0.005	0.04	0.72	1.3	230	1.24	0.33	0.03	<0.02	3.98	1.4	21	0.66
KURC0012		1.26		<0.005	0.12	1.05	107	440	4.41	0.05	0.08	0.41	10.95	46.1	11	0.19
KURC0013		1.61		<0.005	0.03	0.56	1.8	110	1.24	0.42	0.02	0.02	7.07	1.5	7	0.72
KURC0014		1.53		<0.005	0.26	2.23	85.5	280	5.69	0.2	0.02	0.19	72	22.8	117	0.4
KURC0015		2.79		<0.005	0.18	1.33	48.4	150	7.28	0.11	0.06	0.07	45.4	48.4	39	0.75
KURC0016		2.28		<0.005	0.23	1.67	70.4	110	5.76	0.07	0.01	0.08	472	24.8	146	0.3
KURC0017		1.01		<0.005	0.09	5.82	13.7	90	1.06	0.08	0.01	0.02	116	1.7	17	0.76



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CERTIFICATE OF ANALYSIS AS08149852

Sample Description	Method Analyte Units LOR	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2
FLUSH A		5.7	1.17	10.5	0.07	1.2	0.016	2.8	12.8	5.7	0.23	167	0.51	1.33	2.1	9.1
FLUSH B		5.6	1.2	10.6	0.07	1.1	0.015	2.91	12.3	6	0.24	171	0.54	1.38	2.1	8.9
FLUSH C		5.8	1.17	10.9	0.07	1.1	0.015	2.79	12.7	5.9	0.23	168	0.56	1.34	2.2	9
KURC0001		16	27.7	18.2	1.19	5.9	0.153	0.17	9.9	3.8	0.1	97	0.99	0.07	9.2	8.4
KURC0002		16.2	3.05	9.95	0.08	2.5	0.039	0.71	19.5	15	0.18	296	1.57	0.07	6.5	16.1
KURC0003		24.8	0.6	13.7	0.14	2.9	0.059	0.83	52.9	19.2	0.24	77	0.5	0.04	9.8	17.6
KURC0004		10	2.54	4.14	0.07	2.4	0.022	0.34	15	5.2	0.47	259	0.65	0.02	4.2	7.6
KURC0005		9.2	1.49	1.81	<0.05	0.4	0.009	0.12	2.8	5.4	0.04	855	2.56	0.01	0.7	8.9
KURC0006		5.3	1.03	2.56	<0.05	0.3	0.007	0.08	5.7	14	0.02	667	0.66	0.01	0.4	3.8
KURC0007		21.9	39.4	37.7	1.37	4.9	0.195	0.21	10.3	7	0.05	416	3.86	0.04	7.3	25
KURC0008		19.5	1.52	2.97	<0.05	1.2	0.027	0.25	6.9	4.4	0.05	92	1.09	0.01	1.5	6.2
KURC0009		50.3	38.2	5.38	0.69	1.1	0.084	0.12	30.5	3.4	0.04	765	6.59	0.01	3.4	63.9
KURC0010		69.4	31.4	4.44	0.24	0.8	0.048	0.07	18.3	5.2	0.03	727	9.06	0.01	2.1	57.4
KURC0011		6.9	1.35	2.28	<0.05	0.2	0.006	0.23	2.6	13.5	0.05	79	0.89	0.01	0.4	5.4
KURC0012		78.3	49.5	1.56	0.55	0.2	0.03	0.02	6.3	2.2	0.02	1120	2.02	0.01	0.8	53
KURC0013		13.4	1.03	1.39	<0.05	0.1	0.006	0.11	6.2	21.3	0.02	65	0.7	0.01	0.4	3.7
KURC0014		79.5	44	6.73	0.89	1.9	0.108	0.12	30.6	3.1	0.03	595	1.64	0.01	4.2	36.4
KURC0015		58.6	49.5	4.06	0.58	0.9	0.076	0.21	20.5	3.8	0.04	737	3.01	0.01	2.3	90.7
KURC0016		26.8	47.9	6.24	1.2	0.8	0.031	0.07	530	3.2	0.02	637	1.73	0.01	2	21
KURC0017		6	5.62	14.25	0.14	5.1	0.011	0.76	59.1	6.5	0.01	60	0.52	0.03	7.8	4.5



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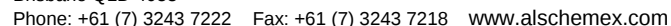
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Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005
FLUSH A		120	22.5	112.5	0.002	<0.01	<0.05	3.9	1	0.7	213	0.15	<0.05	4.5	0.064
FLUSH B		120	22.4	113	0.002	<0.01	<0.05	3.9	1	0.7	223	0.15	<0.05	4.5	0.065
FLUSH C		120	23.1	114	0.002	<0.01	<0.05	3.9	1	0.7	215	0.16	<0.05	4.4	0.063
KURC0001		300	11.4	9.6	0.003	0.11	2.21	12	3	2.5	73.7	0.7	0.07	17.8	0.906
KURC0002		290	13.3	48.8	0.002	0.02	0.53	8.2	1	1.7	53.8	0.6	<0.05	7.6	0.299
KURC0003		1300	252	56	0.002	0.02	0.82	10.2	2	3.3	149.5	0.85	<0.05	13.1	0.292
KURC0004		90	26.6	23.8	0.002	0.02	0.76	3.4	1	1.4	115.5	0.45	<0.05	7	0.115
KURC0005		30	10.3	9.5	0.003	0.01	0.52	1.1	1	0.4	6.7	0.05	<0.05	1.6	0.019
KURC0006		30	13.9	6.7	0.002	0.01	1.44	0.8	1	0.2	7.4	<0.05	<0.05	1.1	0.01
KURC0007		500	74.5	15.1	0.003	0.01	5.07	19.1	3	3	14	0.51	0.26	18	0.545
KURC0008		50	32.8	22	0.002	0.03	1.38	2.4	1	0.7	22.9	0.16	<0.05	3.9	0.048
KURC0009		5600	245	7.6	0.003	0.08	1.31	13.2	3	1	28.3	0.27	<0.05	6.9	0.096
KURC0010		1530	114.5	5.4	0.003	0.05	0.59	6.7	2	0.6	19.6	0.16	<0.05	5.4	0.055
KURC0011		30	9.6	25	0.002	0.01	1.53	1.2	1	0.3	10.2	<0.05	<0.05	0.6	0.035
KURC0012		>10000	93	1.9	0.003	0.04	0.53	4.3	1	0.2	11.9	0.05	<0.05	2.1	0.02
KURC0013		70	63	13.2	0.002	0.01	0.77	0.6	<1	0.2	8.9	<0.05	<0.05	0.5	0.013
KURC0014		2570	227	7.6	0.003	0.04	0.78	20.4	3	1.3	13.8	0.35	0.07	16.3	0.16
KURC0015		1790	92.1	12.9	0.003	0.06	0.45	5.4	2	0.8	17.1	0.18	<0.05	12.2	0.063
KURC0016		3460	302	4.6	0.004	0.03	0.43	33	3	0.7	21.1	0.17	<0.05	5.1	0.061
KURC0017		480	20.6	26.5	0.002	0.01	5.2	8.7	1	2.8	269	0.73	<0.05	27.6	0.141



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