



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Australian Laboratory Services Pty Ltd

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Finalized Date: 30-MAR-2007  
Account: ARARES

## QC CERTIFICATE AS07014824

Project: Lucy Creek

P.O. No.: 0561

This report is for 202 Percussion samples submitted to our lab in Alice Springs, NT, Australia on 14-FEB-2007.

The following have access to data associated with this certificate:

JOHN GOULEVITCH

KELVIN HUSSEY

## 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-QC	Pulverizing QC Test
PUL-22	Pulverizing 3kg sample in LM5
HOM-01	Homogenise Sample

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS62s	Up to 54 elements by ICP-MS	ICP-MS

To: ARAFURA RESOURCES NL  
ATTN: JOHN GOULEVITCH  
REAR UNIT LOT 3047 EXPORT DRIVE  
BERRIMAH NT 0828

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.

Signature:

Shaun Kenny, Brisbane Laboratory Manager



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## QC CERTIFICATE OF ANALYSIS AS07014824

Sample Description	Method	ME-MS62s	ME-MS62s	ME-MS62s	ME-MS62s	ME-MS62s
	Analyte	Ce	La	Sr	Th	U
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	0.5	0.02	0.2	0.1
STANDARDS						
G2000		57.2	30.1	118.0	6.9	3.2
G2000		56.8	32.4	125.0	7.4	3.4
G2000		57.2	29.8	119.5	6.6	3.2
G2000		56.6	30.1	125.0	7.7	3.5
Target Range - Lower Bound		47.0	26.1	104.5	6.4	2.9
Upper Bound		57.4	33.0	127.5	8.2	3.7
GBM306-6		22.7	10.3	150.5	1.7	0.5
GBM306-6		22.4	10.7	152.5	1.7	0.5
GBM306-6		24.8	10.9	161.5	1.8	0.5
GBM306-6		19.80	8.8	155.5	1.7	0.5
Target Range - Lower Bound						
Upper Bound						
GBM999-5		26.6	14.3	16.50	4.8	1.9
GBM999-5		27.6	15.6	17.30	5.1	1.9
GBM999-5		29.8	14.7	16.95	5.2	2.1
Target Range - Lower Bound						
Upper Bound						
GEOMS-03		53.5	29.8	172.0	6.3	3.4
GEOMS-03		54.9	30.4	187.5	6.4	3.4
GEOMS-03		56.2	30.4	178.5	6.3	3.4
Target Range - Lower Bound		47.0	25.6	157.5	6.2	3.1
Upper Bound		57.4	32.4	192.5	8.0	4.0
BLANKS						
BLANK		<0.01	<0.5	<0.02	<0.2	<0.1
BLANK		<0.01	<0.5	<0.02	<0.2	<0.1
BLANK		<0.01	<0.5	<0.02	<0.2	<0.1
BLANK		0.01	<0.5	<0.02	<0.2	<0.1
BLANK		<0.01	<0.5	0.03	<0.2	<0.1
BLANK		<0.01	<0.5	<0.02	<0.2	<0.1
BLANK		0.01	<0.5	<0.02	<0.2	<0.1
Target Range - Lower Bound		<0.01	<0.5	<0.02	<0.2	<0.1
Upper Bound		0.02	1.0	0.04	0.4	0.2



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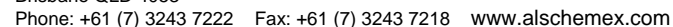
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Sample Description	Method	ME-MS62s	ME-MS62s	ME-MS62s	ME-MS62s	ME-MS62s
	Analyte	Ce	La	Sr	Th	U
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	0.5	0.02	0.2	0.1
DUPLICATES						
760106		53.6	26.5	68.0	8.3	4.7
DUP		50.1	24.9	67.4	8.1	4.5
Target Range - Lower Bound		49.2	23.4	64.3	7.4	4.2
Upper Bound		54.5	28.0	71.1	9.0	5.0
760347		53.1	25.9	90.9	10.3	6.5
DUP		56.7	27.9	97.0	10.8	6.8
Target Range - Lower Bound		52.1	24.6	89.2	9.6	6.1
Upper Bound		57.7	29.2	98.7	11.5	7.2
760504		91.7	73.8	>500	8.7	32.0
DUP		96.4	77.5	>500	9.0	33.1
Target Range - Lower Bound		89.3	70.9	475	8.0	30.7
Upper Bound		98.8	80.4	>500	9.7	34.4
760764		35.7	16.8	164.0	9.9	12.0
DUP		34.4	16.1	158.0	9.5	11.5
Target Range - Lower Bound		33.3	14.6	153.0	8.8	11.0
Upper Bound		36.8	18.3	169.0	10.6	12.5
760781		51.9	28.1	64.5	10.4	2.9
DUP		50.6	28.4	65.3	10.4	2.9
Target Range - Lower Bound		48.7	25.8	61.6	9.5	2.6
Upper Bound		53.8	30.7	68.2	11.3	3.2
760925		44.8	30.9	184.0	5.9	162.5
DUP		44.5	30.7	186.0	5.9	162.0
Target Range - Lower Bound		42.4	28.3	175.5	5.2	154.0
Upper Bound		46.9	33.3	194.5	6.6	170.5
760945		47.9	24.4	>500	8.4	5.6
DUP		46.1	23.3	>500	8.1	5.5
Target Range - Lower Bound		44.6	21.7	475	7.4	5.1
Upper Bound		49.4	26.0	>500	9.1	6.0
760960		48.3	22.6	400	8.6	3.0
DUP		47.8	22.3	402	8.6	3.0
Target Range - Lower Bound		45.6	20.3	381	7.8	2.7
Upper Bound		50.5	24.6	421	9.4	3.4



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Sample Description	Method	ME-MS62s	ME-MS62s	ME-MS62s	ME-MS62s	ME-MS62s
	Analyte	Ce	La	Sr	Th	U
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	0.5	0.02	0.2	0.1
DUPLICATES						
760980		56.8	27.1	83.2	10.5	2.5
DUP		60.9	29.0	89.1	11.1	2.7
Target Range - Lower Bound		55.9	25.6	81.8	9.9	2.3
Upper Bound		61.8	30.5	90.5	11.7	2.9
760995		46.6	23.3	82.3	9.1	2.5
DUP		48.7	23.8	82.4	9.1	2.5
Target Range - Lower Bound		45.2	21.4	78.2	8.2	2.2
Upper Bound		50.1	25.7	86.5	10.0	2.8
FLUSH C		27.2	14.5	237	4.8	0.8
DUP		26.8	14.2	237	4.8	0.7
Target Range - Lower Bound		25.6	12.6	225	4.2	0.5
Upper Bound		28.4	16.1	249	5.4	1.0
761412		67.1	26.8	440	11.1	16.6
DUP		72.1	30.0	464	12.6	17.4
Target Range - Lower Bound		66.1	26.0	429	10.9	16.0
Upper Bound		73.1	30.8	475	12.8	18.1