



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Australian Laboratory Services Pty Ltd

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Finalized Date: 27-APR-2007  
Account: ARARES

## QC CERTIFICATE AS07035310

Project: Lucy Creek

P.O. No.: 0561

This report is for 192 Pulp samples submitted to our lab in Alice Springs, NT, Australia on 11-APR-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
HOM-01	Homogenise Sample
LOG-22	Sample login - Rcd w/o BarCode
WSH-22	"Wash" pulverizers
LEV-01	Waste Disposal Levy

## 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 AS07035310

Sample Description	Method Analyte Units LOR	ME-MS62s Ce ppm 0.01	ME-MS62s La ppm 0.5	ME-MS62s Sr ppm 0.2	ME-MS62s Th ppm 0.2	ME-MS62s U ppm 0.1
STANDARDS						
G2000		57.2	31.2	125.5	7.8	3.6
G2000		57.6	31.3	126.5	7.5	3.5
G2000		48.7	26.2	120.0	6.6	3.2
G2000		55.0	30.0	121.0	7.3	3.4
Target Range - Lower Bound		47.9	26.1	104.5	6.4	2.9
Upper Bound		58.5	33.0	128.0	8.2	3.7
GBM306-6		21.2	9.4	155.0	1.9	0.5
GBM306-6		20.8	9.1	154.0	1.6	0.5
GBM306-6		18.95	8.3	157.5	1.6	0.4
GBM306-6		22.4	10.0	163.5	1.9	0.5
Target Range - Lower Bound						
Upper Bound						
GBM999-5		24.3	12.7	14.9	4.8	2.1
GBM999-5		26.7	14.0	17.4	4.8	2.0
Target Range - Lower Bound		23.7	11.8		4.4	1.8
Upper Bound		28.9	15.6		5.8	2.4
GEOMS-03		55.3	31.2	186.5	7.1	3.9
GEOMS-03		52.5	30.0	178.0	6.8	3.6
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	<0.2	<0.2	<0.1
BLANK		<0.01	<0.5	<0.2	<0.2	<0.1
BLANK		<0.01	<0.5	<0.2	<0.2	<0.1
BLANK		<0.01	<0.5	<0.2	<0.2	<0.1
BLANK		<0.01	<0.5	<0.2	<0.2	<0.1
BLANK		<0.01	<0.5	<0.2	<0.2	<0.1
Target Range - Lower Bound		<0.01	<0.5	<0.2	<0.2	<0.1
Upper Bound		0.02	1.0	0.4	0.4	0.2



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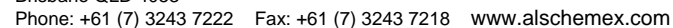
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## QC CERTIFICATE OF ANALYSIS AS07035310

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	0.2	0.2	0.1
DUPLICATES						
FLUSH A		23.3	13.2	236	4.7	0.7
DUP		23.8	13.4	236	5.4	0.7
Target Range - Lower Bound		22.4	11.6	224	4.4	0.5
Upper Bound		24.7	15.0	248	5.7	0.9
COMP - 760055 760056		51.2	24.6	142.0	9.4	24.8
DUP		56.1	26.6	154.5	10.2	27.1
Target Range - Lower Bound		50.9	23.3	140.5	8.9	24.5
Upper Bound		56.4	27.9	156.0	10.7	27.4
COMP - 760113 760114		106.5	46.2	108.5	18.1	8.3
DUP		114.0	48.9	119.0	19.5	9.1
Target Range - Lower Bound		104.5	44.2	107.5	17.5	8.1
Upper Bound		116.0	50.9	120.0	20.1	9.3
COMP - 760170 760171		22.3	11.2	486	4.5	8.5
DUP		21.1	10.5	462	4.3	8.3
Target Range - Lower Bound		20.6	9.3	450	3.8	7.8
Upper Bound		22.8	12.4	498	5.0	9.0
COMP - 760278 760279		34.7	16.8	462	8.6	25.5
DUP		33.2	15.7	443	8.1	23.7
Target Range - Lower Bound		32.2	14.4	429	7.5	23.2
Upper Bound		35.7	18.1	476	9.2	26.0
COMP - 760336 760337		47.8	23.7	49.4	9.5	13.9
DUP		52.3	25.9	53.9	10.4	15.3
Target Range - Lower Bound		47.5	22.6	48.7	9.1	13.7
Upper Bound		52.6	27.0	54.6	10.8	15.5
COMP - 760492 760493		101.5	41.3	>500	17.0	33.9
DUP		96.1	39.6	>500	16.3	32.2
Target Range - Lower Bound		93.8	37.4	475	15.4	31.2
Upper Bound		104.0	43.5	525	17.9	34.9
COMP - 760550 760552		31.9	17.0	103.5	6.2	10.1
DUP		32.0	16.9	102.5	6.1	9.9
Target Range - Lower Bound		30.3	15.1	97.5	5.4	9.3
Upper Bound		33.6	18.8	108.5	6.9	10.7



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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	0.2	0.2	0.1
	DUPLICATES					
COMP - 760613 760614		47.9	23.8	49.6	10.1	2.6
DUP		51.9	25.6	54.6	11.0	2.8
Target Range - Lower Bound		47.4	22.5	49.1	9.6	2.4
Upper Bound		52.4	26.9	55.1	11.5	3.0
COMP - 760702 760703		45.5	22.4	69.2	9.3	8.2
DUP		49.9	24.1	74.8	9.7	8.8
Target Range - Lower Bound		45.3	21.1	68.0	8.6	7.9
Upper Bound		50.1	25.4	76.0	10.4	9.1
COMP - 760748 760749		46.6	23.0	214	9.6	13.4
DUP		46.6	22.9	214	9.6	13.3
Target Range - Lower Bound		44.3	20.8	203	8.7	12.5
Upper Bound		49.0	25.1	225	10.5	14.2