



Australian Laboratory Services Pty. Ltd.
32 Shand Street
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www.alsglobal.com/geochemistry

To: **RIO TINTO EXPLORATION PTY LTD**
EXPLORATION OFFICE
PO BOX 175
BELMONT WA 6104

Page: 1
Total # Pages: 2 (A - E)
Plus Appendix Pages
Finalized Date: 12-NOV-2019
Account: RIOTINAJ

CERTIFICATE MI19270666

Project: EB80024031

P.O. No.: EB80024031

This report is for 4 Water samples submitted to our lab in Mount Isa, QLD, Australia on 28-OCT-2019.

The following have access to data associated with this certificate:

MARK HARTLEY
CAROLINE LUDEMANN

ROB HEARN
MIKE WHITBREAD

ANDREW JAUNZEMS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LEV-01	Waste Disposal Levy
SND-01	Send samples to external laboratory

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS14L	Super-Trace Analysis of Water
MS14L-ANPH	Anions by ion chromatography ICP-MS

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:

Saa Traxler, General Manager, North Vancouver

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



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CERTIFICATE OF ANALYSIS MI19270666

Sample Description	Method Analyte Units LOD	ME-MS14L	ME-MS14L	ME-MS14L	ME-MS14L	ME-MS14L	ME-MS14L	ME-MS14L	ME-MS14L	ME-MS14L	ME-MS14L	ME-MS14L	ME-MS14L	ME-MS14L	ME-MS14L
		Cu	Fe	Ga	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
		ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	mg/L	ug/L	ug/L	mg/L	ug/L
		0.1	0.003	0.05	0.005	0.05	0.01	0.01	0.005	0.1	0.005	0.05	0.05	0.01	0.005
10329995		1.5	0.047	<0.05	<0.005	<0.05	0.01	4.68	<0.005	15.1	47.6	18.35	0.28	16.15	<0.005
10329996		0.8	<0.003	<0.05	<0.005	<0.05	<0.01	4.68	<0.005	16.8	46.8	0.94	0.34	16.30	<0.005
10329997		0.1	0.065	<0.05	<0.005	<0.05	<0.01	6.40	<0.005	30.1	41.8	231	0.49	28.0	<0.005
10329998		0.1	0.134	<0.05	<0.005	<0.05	<0.01	6.16	0.006	19.9	43.7	837	0.47	23.0	<0.005



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Sample Description	Method Analyte Units LOD	ME-MS14L	ME-MS14L	ME-MS14L	ME-MS14L	ME-MS14L	ME-MS14L	ME-MS14L	ME-MS14L	ME-MS14L	MS14L-ANPH	MS14L-ANPH	MS14L-ANPH	MS14L-ANPH	MS14L-ANPH	MS14L-ANPH
		Th	Ti	Ti	U	V	W	Y	Zn	Zr	Br	Cl	F	NO3 (as	SO4	pH
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L	Unity
		0.005	0.2	0.002	0.002	0.05	0.01	0.005	0.5	0.02	0.3	0.5	0.02	0.005	0.5	0.1
10329995		0.034	<0.2	0.063	1.640	0.81	0.07	0.015	190.0	<0.02	<0.3	18.5	0.18	0.096	12.6	7.2
10329996		0.011	<0.2	0.076	1.780	2.08	0.06	0.010	13.2	<0.02	<0.3	18.7	0.18	0.144	12.9	7.6
10329997		0.005	<0.2	0.301	2.56	0.11	0.05	<0.005	1110	<0.02	<0.3	19.2	0.34	<0.03	16.9	7.5
10329998		<0.005	<0.2	0.247	2.66	0.10	0.04	<0.005	510	0.02	<0.3	17.4	0.29	<0.03	10.9	7.4



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CERTIFICATE OF ANALYSIS MI19270666

Sample Description	Method Analyte Units LOD	MS14L-ANPH	MS14L-ANPH	MS14L-ANPH
		TDS	Conducti	Alkalini
		mg/L	uS/cm	ng/L CaCO ₃ ec
		3	2	1
10329995		502	901	525
10329996		453	870	464
10329997		412	855	450
10329998		389	863	471



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Page: **Appendix 1**
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CERTIFICATE OF ANALYSIS MI19270666

	CERTIFICATE COMMENTS
	LABORATORY ADDRESSES
Applies to Method:	Processed at ALS Mount Isa located at Unit 4, 16 Enterprise Rd, Mount Isa, QLD, Australia. SND-01 WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. ME-MS14L
Applies to Method:	Processed at ALSE Vancouver, Burnaby, BC, Canada. MS14L-ANPH