



Australian Laboratory Services Pty. Ltd.
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 Accreditation No: 825, Corporate Site No: 818.

CERTIFICATE AD16104934

Project: MBS-1
 P.O. No.: ALG-11603001
 This report is for 27 1/2 Core samples submitted to our lab in Adelaide, SA, Australia
 on 1-JUL-2016.

The following have access to data associated with this certificate:

BRYCE HEALY

TODD HOFFMAN

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LEV-01	Waste Disposal Levy
LOG-22	Sample login - Rcd w/o BarCode
PUL-23	Pulv Sample - Split/Retain
BAG-01	Bulk Master for Storage
SPL-21	Split sample - riffle splitter
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61r	4A multi-element ICP-MS + REE	
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-XRF15b	Various elements in ores by fusion XRF	XRF
ME-GRA05	H2O/LOI by TGA furnace	TGA

To: **GEOTECH MINERALS PTY LTD**
ATTN: TODD HOFFMAN
LEVEL 50, GOVERNOR PHILLIP TOWER
1 FARRER PLACE
SYDNEY NSW 2000

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 *****

Comments: Please Note: An elevated concentration of Barium may precipitate as Barium Sulphate in an acid digestion (Me-MS61r)

Signature:

Shaun Kenny, Brisbane Laboratory Manager



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 Finalized Date: 25-JUL-2016
 Account: GEOTMINE

Project: MBS-1

CERTIFICATE OF ANALYSIS AD16104934

Sample Description	Method Analyte Units LOR	WEI-21	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		0.02	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
MBS1-001		4.56	0.04	0.13	19.4	50	0.84	1.18	8.29	0.06	2.58	4.8	4	0.14	12.4	3.74
MBS1-002		2.87	0.10	0.03	2.6	4020	0.10	0.46	30.2	<0.02	126.5	0.6	2	<0.05	555	0.88
MBS1-003		4.19	0.24	0.32	10.7	4010	0.54	0.89	11.35	0.10	10.90	7.3	6	0.42	30.1	5.09
MBS1-004		3.85	0.30	0.01	<0.2	3570	<0.05	0.22	31.5	<0.02	154.0	1.5	<1	<0.05	123.0	0.15
MBS1-005		6.57	<0.32	<0.01	<0.2	1930	<0.05	0.02	0.39	<0.02	1.53	0.3	<1	<0.05	9.7	0.01
MBS1-006		3.23	0.07	<0.01	0.2	2370	<0.05	0.02	0.08	<0.02	0.08	0.1	<1	<0.05	12.7	0.03
MBS1-007		4.49	0.05	<0.01	0.2	2370	<0.05	0.02	0.20	<0.02	0.66	0.1	<1	<0.05	26.8	0.01
MBS1-008		4.96	0.06	<0.01	<0.2	1910	<0.05	<0.01	1.30	<0.02	0.93	0.1	<1	<0.05	6.8	0.02
MBS1-009		4.21	0.07	0.01	<0.2	9300	<0.05	0.01	32.6	<0.02	172.0	0.4	<1	<0.05	8.8	0.07
MBS1-010		1.08	0.05	0.02	0.3	1640	<0.05	13.55	30.5	0.03	39.5	1.2	1	<0.05	2310	0.84
MBS1-011		5.74	0.01	0.02	0.5	1070	0.13	0.23	20.1	0.06	2.72	6.3	<1	<0.05	2.4	0.62
MBS1-012		1.22	0.52	0.08	7.6	270	0.37	1.03	5.54	0.17	1.56	2.7	6	0.09	14.5	3.10
MBS1-013		2.35	0.65	0.09	3.7	980	0.29	0.63	1.59	<0.02	1.30	1.9	6	0.15	4.2	9.46
MBS1-014		1.75	0.36	0.01	<0.2	210	<0.05	0.03	32.8	<0.02	196.5	1.5	1	<0.05	37.0	0.20
MBS1-015		0.91	0.16	0.02	9.6	80	<0.05	12.70	30.5	0.18	91.8	1.2	1	<0.05	2370	0.41
MBS1-016		4.25	0.11	0.12	10.1	110	0.21	0.54	23.8	0.05	24.7	3.3	1	0.23	166.0	1.96
MBS1-017		3.22	0.04	0.86	18.5	60	0.89	0.78	17.40	0.06	12.90	4.0	4	1.36	13.4	5.47
MBS1-018		2.90	0.05	0.91	7.8	100	0.94	0.87	12.25	0.23	9.16	4.3	6	1.31	9.3	3.19
MBS1-019		3.37	0.03	1.58	9.8	120	1.47	1.06	10.70	0.30	7.73	6.0	11	1.69	11.0	3.82
MBS1-020		2.41	0.07	0.03	3.8	100	0.15	0.33	19.00	0.03	1.59	8.2	1	0.06	3.2	0.97
MBS1-021		3.99	0.04	0.14	2.8	30	0.22	0.29	18.90	0.04	1.82	7.5	1	0.27	1.1	0.95
MBS1-022		2.35	0.11	0.61	9.9	60	0.73	0.92	12.55	0.12	6.67	3.4	6	0.96	3.7	9.11
MBS1-023		3.15	0.13	0.67	11.5	110	0.76	0.83	14.75	0.20	7.57	7.1	8	1.60	5.8	3.72
MBS1-024		3.10	0.15	0.73	11.5	100	0.80	1.26	14.95	0.15	8.36	10.1	6	1.73	9.0	5.09
MBS1-025		3.10	0.26	0.44	26.2	90	0.99	3.38	10.90	0.08	6.17	15.9	9	0.99	11.1	17.90
MBS1-026		3.96	0.13	1.06	20.8	70	1.17	2.07	7.77	<0.02	10.75	14.3	9	2.30	11.4	12.00
MBS1-027		1.78	0.05	0.36	9.4	40	0.51	1.35	10.85	0.02	6.60	1.7	6	0.73	2.6	18.80

Comments: Please Note: An elevated concentration of Barium may precipitate as Barium Sulphate in an acid digestion (Me-MS61r)

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Project: MBS-1

CERTIFICATE OF ANALYSIS AD16104934

Sample Description	Method Analyte Units LOR	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
		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
MBS1-001		1.59	0.06	0.1	0.435	0.02	0.8	22.9	4.46	1180	1.05	0.02	0.2	9.0	150	12.5
MBS1-002		1.03	0.28	<0.1	0.178	0.01	31.0	5.3	0.41	2450	0.36	0.02	0.2	8.7	20	1.7
MBS1-003		1.44	0.09	0.3	0.357	0.13	3.6	19.1	2.56	1720	1.82	0.01	0.7	31.6	100	6.3
MBS1-004		0.95	0.29	<0.1	0.156	<0.01	39.3	0.6	0.24	2910	0.10	0.03	0.1	0.8	20	<0.5
MBS1-005		0.05	0.05	<0.1	<0.005	<0.01	<0.5	<0.2	0.01	34	0.11	0.01	<0.1	0.5	<10	<0.5
MBS1-006		<0.05	<0.05	<0.1	<0.005	<0.01	<0.5	<0.2	0.01	11	0.06	0.01	<0.1	0.4	<10	<0.5
MBS1-007		<0.05	<0.05	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	18	<0.05	0.01	<0.1	0.2	<10	<0.5
MBS1-008		<0.05	<0.05	<0.1	0.006	<0.01	<0.5	<0.2	0.01	127	0.05	0.01	<0.1	<0.2	<10	<0.5
MBS1-009		1.07	0.36	<0.1	0.154	<0.01	44.7	<0.2	0.22	2890	0.05	0.02	0.1	0.9	<10	<0.5
MBS1-010		0.36	0.11	<0.1	0.297	0.01	11.0	6.7	0.36	2560	0.43	0.05	0.1	<0.2	<10	<0.5
MBS1-011		0.17	0.13	<0.1	0.136	0.01	1.0	0.9	10.35	1680	0.24	0.02	0.1	3.9	10	0.9
MBS1-012		1.71	0.05	<0.1	0.062	0.02	0.6	15.0	2.10	681	1.03	0.02	0.2	1.9	30	2.6
MBS1-013		0.79	0.14	<0.1	0.061	0.04	0.5	13.3	0.14	278	2.39	0.01	0.2	1.6	20	2.3
MBS1-014		1.25	0.41	<0.1	0.167	<0.01	48.1	0.7	0.23	2640	0.09	0.03	0.1	6.0	10	<0.5
MBS1-015		0.65	0.21	<0.1	0.286	0.01	23.5	3.6	0.33	2830	3.25	0.04	0.1	0.9	<10	<0.5
MBS1-016		0.70	0.09	0.1	0.412	0.06	6.3	12.1	4.13	3460	1.06	0.03	0.3	1.5	20	1.1
MBS1-017		3.41	0.09	0.7	0.471	0.44	4.1	17.4	5.47	1820	2.35	0.03	1.6	4.2	220	3.9
MBS1-018		3.47	0.07	0.8	0.515	0.43	3.6	22.0	4.33	1430	0.97	0.03	1.6	5.3	250	7.0
MBS1-019		5.81	0.09	1.5	0.380	0.70	2.9	34.4	4.37	1180	0.97	0.04	2.8	8.8	280	7.5
MBS1-020		0.21	0.07	<0.1	0.336	0.01	0.5	1.6	11.50	1920	0.45	0.02	0.1	4.4	10	0.9
MBS1-021		0.50	0.08	0.1	0.290	0.08	0.7	4.1	11.15	1810	0.41	0.03	0.3	4.6	20	1.0
MBS1-022		2.30	0.12	0.6	0.513	0.30	2.8	14.6	2.15	1070	1.92	0.03	1.2	3.2	120	4.7
MBS1-023		2.41	0.07	0.7	0.651	0.36	3.7	13.5	2.51	1300	1.19	0.03	1.6	4.4	100	5.8
MBS1-024		2.46	0.08	0.6	0.649	0.41	3.8	13.0	2.17	1250	1.45	0.04	1.4	2.7	80	6.8
MBS1-025		1.61	0.19	0.2	0.492	0.23	2.3	15.2	1.17	1000	3.23	0.04	0.8	2.5	130	22.1
MBS1-026		3.53	0.15	1.0	0.228	0.59	4.4	36.5	0.60	919	2.03	0.05	2.3	3.1	50	19.6
MBS1-027		1.48	0.19	0.3	0.313	0.19	2.1	16.8	0.81	1010	3.55	0.03	0.9	2.0	60	7.2

Comments: Please Note: An elevated concentration of Barium may precipitate as Barium Sulphate in an acid digestion (Me-MS61r)

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Project: MBS-1

CERTIFICATE OF ANALYSIS AD16104934

Sample Description	Method Analyte Units LOR	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	TI	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MBS1-001		0.8	<0.002	<0.01	3.62	0.5	<1	1.2	16.7	<0.05	0.06	0.29	0.005	<0.02	4.4	21
MBS1-002		0.3	0.002	0.13	3.64	0.4	<1	2.2	122.5	<0.05	<0.05	0.07	<0.005	<0.02	0.4	6
MBS1-003		6.5	<0.002	0.11	2.59	1.1	<1	3.0	165.5	<0.05	<0.05	0.88	0.014	0.03	2.1	29
MBS1-004		0.2	0.002	0.17	0.15	0.2	<1	0.4	1270	<0.05	<0.05	0.02	<0.005	<0.02	0.1	1
MBS1-005		0.1	<0.002	0.20	0.12	0.1	<1	<0.2	2850	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1	<1
MBS1-006		0.1	<0.002	0.15	0.09	0.1	<1	<0.2	1220	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1	<1
MBS1-007		<0.1	<0.002	0.15	0.10	0.1	<1	<0.2	1260	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1	<1
MBS1-008		<0.1	<0.002	0.19	0.10	0.1	<1	<0.2	2960	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1	<1
MBS1-009		0.1	0.004	0.24	0.05	0.1	<1	<0.2	330	<0.05	<0.05	0.01	<0.005	<0.02	<0.1	1
MBS1-010		0.3	<0.002	0.23	2.58	1.3	1	<0.2	72.5	<0.05	<0.05	0.04	<0.005	<0.02	0.2	5
MBS1-011		0.2	<0.002	0.02	0.53	0.1	<1	<0.2	45.4	<0.05	<0.05	0.04	<0.005	<0.02	0.3	7
MBS1-012		0.9	<0.002	0.01	6.15	0.2	<1	<0.2	15.1	<0.05	<0.05	0.16	<0.005	<0.02	1.1	14
MBS1-013		1.6	<0.002	0.03	1.88	0.3	<1	0.3	19.5	<0.05	<0.05	0.12	<0.005	0.04	1.0	11
MBS1-014		0.1	<0.002	0.01	0.23	0.1	<1	0.2	90.3	<0.05	<0.05	0.02	<0.005	<0.02	<0.1	1
MBS1-015		0.2	<0.002	0.17	25.2	0.4	1	<0.2	64.2	<0.05	<0.05	0.03	<0.005	<0.02	<0.1	4
MBS1-016		2.8	<0.002	<0.01	5.22	1.8	<1	0.2	47.0	<0.05	<0.05	0.27	0.005	<0.02	1.2	13
MBS1-017		21.7	<0.002	<0.01	3.80	1.2	<1	0.5	53.0	0.12	<0.05	2.25	0.035	0.05	4.6	37
MBS1-018		22.2	<0.002	0.02	2.66	1.7	<1	0.7	64.9	0.12	<0.05	2.47	0.036	0.13	2.7	22
MBS1-019		32.3	<0.002	0.02	3.23	2.3	<1	0.9	52.2	0.23	<0.05	4.39	0.068	0.13	3.4	24
MBS1-020		0.3	<0.002	<0.01	0.81	0.1	<1	<0.2	22.8	<0.05	<0.05	0.07	<0.005	<0.02	0.4	8
MBS1-021		3.7	<0.002	<0.01	0.66	0.4	<1	0.2	22.1	<0.05	<0.05	0.29	0.008	<0.02	0.5	8
MBS1-022		14.8	<0.002	0.01	3.31	1.4	<1	0.5	42.5	0.09	<0.05	1.68	0.028	0.06	2.5	22
MBS1-023		19.3	<0.002	0.01	4.14	2.2	<1	1.1	51.9	0.12	0.05	2.16	0.039	0.10	2.4	23
MBS1-024		21.1	<0.002	0.01	4.19	1.7	<1	1.3	50.8	0.10	0.05	1.93	0.035	0.09	2.6	28
MBS1-025		10.5	<0.002	<0.01	7.37	0.8	<1	2.1	33.4	<0.05	<0.05	0.78	0.014	0.05	6.3	58
MBS1-026		30.6	<0.002	0.01	5.93	1.7	<1	2.5	19.0	0.17	<0.05	2.89	0.058	0.10	5.1	38
MBS1-027		9.4	<0.002	<0.01	3.68	0.6	<1	0.4	24.2	0.06	<0.05	0.92	0.019	0.04	2.5	30

Comments: Please Note: An elevated concentration of Barium may precipitate as Barium Sulphate in an acid digestion (Me-MS61r)

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Sample Description	Method Analyte Units LOR	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
		W	Y	Zn	Zr	Dy	Er	Eu	Gd	Ho	Lu	Nd	Pr	Sm	Tb	Tm
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	2	0.5	0.05	0.03	0.03	0.05	0.01	0.01	0.1	0.03	0.03	0.01	0.01
MBS1-001		2.2	4.0	11	2.7	0.95	0.30	0.30	1.92	0.13	0.03	2.3	0.44	1.11	0.23	0.03
MBS1-002		0.8	60.8	3	0.8	11.35	3.22	5.29	25.4	1.61	0.22	106.0	20.5	27.6	2.60	0.32
MBS1-003		2.5	9.2	10	10.8	1.82	0.69	0.37	3.00	0.29	0.12	8.3	1.69	2.57	0.37	0.09
MBS1-004		0.2	59.8	<2	<0.5	10.35	2.58	5.83	26.7	1.42	0.13	117.5	23.4	29.4	2.55	0.23
MBS1-005		0.1	0.7	<2	<0.5	0.12	0.03	<0.03	0.31	0.01	0.01	1.3	0.25	0.33	0.03	<0.01
MBS1-006		0.2	0.1	<2	<0.5	<0.05	<0.03	<0.03	<0.05	<0.01	0.02	0.1	<0.03	<0.03	<0.01	<0.01
MBS1-007		0.1	0.3	<2	<0.5	0.05	<0.03	<0.03	0.13	0.01	0.02	0.5	0.11	0.14	0.01	<0.01
MBS1-008		0.1	0.3	<2	<0.5	0.06	<0.03	<0.03	0.16	0.01	0.01	0.7	0.14	0.16	0.01	<0.01
MBS1-009		0.2	68.1	<2	<0.5	12.15	3.18	6.43	30.8	1.66	0.20	132.5	26.8	33.4	2.95	0.29
MBS1-010		0.3	20.1	<2	<0.5	4.08	1.39	1.58	7.64	0.62	0.14	30.8	6.33	7.95	0.88	0.16
MBS1-011		0.3	2.1	8	0.5	0.39	0.12	0.10	0.92	0.05	0.02	1.9	0.39	0.63	0.10	0.01
MBS1-012		0.9	1.6	5	1.7	0.29	0.11	0.08	0.54	0.04	0.01	1.2	0.25	0.40	0.06	0.01
MBS1-013		1.3	1.0	2	1.1	0.22	0.07	0.03	0.41	0.03	0.01	1.0	0.21	0.32	0.05	0.01
MBS1-014		0.1	98.3	<2	<0.5	17.55	4.87	8.58	40.0	2.46	0.24	161.0	32.0	43.5	4.12	0.47
MBS1-015		0.1	45.5	8	<0.5	8.34	2.46	3.86	18.15	1.20	0.15	73.3	14.65	18.90	1.92	0.25
MBS1-016		0.5	19.7	2	3.2	3.83	1.41	1.35	6.36	0.60	0.16	21.5	4.23	6.21	0.78	0.17
MBS1-017		1.9	16.3	9	25.4	2.95	1.36	0.76	4.14	0.50	0.18	9.8	2.04	3.21	0.57	0.19
MBS1-018		1.0	11.0	21	27.8	2.01	0.97	0.50	2.80	0.35	0.13	6.4	1.41	2.04	0.38	0.14
MBS1-019		1.2	12.2	28	55.0	2.07	1.16	0.44	2.76	0.40	0.17	5.2	1.11	1.78	0.38	0.17
MBS1-020		0.2	2.2	8	0.8	0.47	0.16	0.14	0.99	0.07	0.02	1.1	0.24	0.50	0.11	0.02
MBS1-021		0.2	2.1	10	4.1	0.43	0.16	0.13	0.87	0.06	0.02	1.2	0.25	0.47	0.10	0.02
MBS1-022		1.3	5.7	9	21.1	1.09	0.49	0.28	1.57	0.18	0.07	3.7	0.87	1.15	0.21	0.07
MBS1-023		1.2	6.2	11	26.0	1.20	0.57	0.29	1.67	0.21	0.08	3.7	0.91	1.13	0.23	0.08
MBS1-024		1.4	6.4	10	22.8	1.18	0.54	0.30	1.70	0.20	0.07	4.3	1.02	1.25	0.22	0.07
MBS1-025		6.0	5.6	12	9.8	1.11	0.47	0.32	1.71	0.18	0.05	4.1	0.89	1.34	0.22	0.06
MBS1-026		3.5	6.7	9	36.2	1.29	0.61	0.35	1.71	0.22	0.09	5.7	1.32	1.52	0.23	0.09
MBS1-027		2.5	5.7	4	10.7	1.12	0.49	0.31	1.52	0.19	0.06	4.4	0.96	1.33	0.21	0.07

Comments: Please Note: An elevated concentration of Barium may precipitate as Barium Sulphate in an acid digestion (Me-MS61r)

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



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 Finalized Date: 25-JUL-2016
 Account: GEOTMINE

Project: MBS-1

CERTIFICATE OF ANALYSIS AD16104934

Sample Description	Method Analyte Units LOR	ME-MS61r	Au-GRA21	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b
		Yb	Au	Al2O3	As	BaO	Bi	CaO	CeO2	Co	Cr	Cu	Fe	HfO2	K2O	La2O3
		ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%
		0.03	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.005	0.01	0.01	0.01	0.01	
MBS1-001		0.21	<0.05	0.25	<0.01	<0.01	<0.01	13.10	<0.01	<0.01	<0.01	<0.005	4.11	<0.01	0.02	<0.01
MBS1-002		1.56	<0.05	0.02	<0.01	0.47	<0.01	>40	<0.01	<0.01	<0.01	0.049	0.95	<0.01	0.01	<0.01
MBS1-003		0.63	<0.05	0.63	<0.01	0.47	<0.01	17.95	<0.01	<0.01	<0.01	<0.005	5.48	<0.01	0.16	<0.01
MBS1-004		1.01	<0.05	<0.01	<0.01	6.77	<0.01	>40	0.01	<0.01	<0.01	0.007	0.16	<0.01	<0.01	<0.01
MBS1-005		0.05	<0.05	0.02	0.02	64.5	0.01	0.54	<0.01	<0.01	<0.01	<0.005	0.01	0.01	<0.01	<0.01
MBS1-006		0.06	<0.05	0.03	0.02	65.8	0.01	0.10	<0.01	<0.01	<0.01	<0.005	0.04	<0.01	<0.01	<0.01
MBS1-007		0.05	<0.05	0.02	0.02	65.8	0.01	0.28	<0.01	<0.01	<0.01	<0.005	0.01	<0.01	<0.01	<0.01
MBS1-008		0.05	<0.05	0.02	0.02	63.0	0.01	1.93	<0.01	<0.01	<0.01	<0.005	0.03	<0.01	<0.01	<0.01
MBS1-009		1.35	<0.05	<0.01	<0.01	1.35	<0.01	>40	<0.01	<0.01	<0.01	<0.005	0.07	<0.01	<0.01	0.01
MBS1-010		0.98	<0.05	<0.01	<0.01	0.18	<0.01	>40	<0.01	<0.01	<0.01	0.224	0.91	<0.01	0.01	<0.01
MBS1-011		0.09	<0.05	<0.01	<0.01	0.13	<0.01	32.5	<0.01	<0.01	<0.01	<0.005	0.70	<0.01	<0.01	<0.01
MBS1-012		0.08	<0.05	0.13	<0.01	0.02	<0.01	7.92	<0.01	<0.01	<0.01	<0.005	3.27	<0.01	0.02	<0.01
MBS1-013		0.07	<0.05	0.17	<0.01	0.11	<0.01	2.35	<0.01	<0.01	<0.01	<0.005	10.95	<0.01	0.04	<0.01
MBS1-014		2.01	<0.05	<0.01	<0.01	0.02	<0.01	>40	0.01	<0.01	<0.01	<0.005	0.21	<0.01	<0.01	0.01
MBS1-015		1.21	<0.05	<0.01	<0.01	<0.01	<0.01	>40	<0.01	<0.01	<0.01	0.232	0.45	<0.01	<0.01	<0.01
MBS1-016		1.06	<0.05	0.20	<0.01	<0.01	<0.01	37.4	<0.01	<0.01	<0.01	0.013	2.10	<0.01	0.07	<0.01
MBS1-017		1.22	<0.05	1.64	<0.01	<0.01	<0.01	26.2	<0.01	<0.01	<0.01	<0.005	5.80	<0.01	0.54	<0.01
MBS1-018		0.91	<0.05	1.79	<0.01	0.01	<0.01	19.10	<0.01	<0.01	<0.01	<0.005	3.36	<0.01	0.55	<0.01
MBS1-019		1.13	<0.05	3.17	<0.01	0.04	<0.01	17.05	<0.01	<0.01	<0.01	<0.005	4.20	<0.01	0.93	<0.01
MBS1-020		0.12	<0.05	0.01	<0.01	0.02	<0.01	29.9	<0.01	<0.01	<0.01	<0.005	1.06	<0.01	<0.01	<0.01
MBS1-021		0.13	<0.05	0.23	<0.01	<0.01	<0.01	30.0	<0.01	<0.01	<0.01	<0.005	1.04	<0.01	0.10	<0.01
MBS1-022		0.46	<0.05	1.18	<0.01	<0.01	<0.01	19.35	<0.01	<0.01	<0.01	<0.005	9.65	<0.01	0.38	<0.01
MBS1-023		0.54	<0.05	1.34	<0.01	0.01	<0.01	23.2	<0.01	<0.01	<0.01	<0.005	4.00	<0.01	0.47	<0.01
MBS1-024		0.50	<0.05	1.44	<0.01	0.01	<0.01	23.3	<0.01	<0.01	<0.01	<0.005	5.41	<0.01	0.52	<0.01
MBS1-025		0.38	<0.05	0.85	<0.01	<0.01	<0.01	17.25	<0.01	<0.01	<0.01	<0.005	19.30	<0.01	0.29	<0.01
MBS1-026		0.58	<0.05	2.12	<0.01	<0.01	<0.01	11.80	<0.01	<0.01	<0.01	<0.005	13.20	<0.01	0.77	<0.01
MBS1-027		0.43	<0.05	0.68	<0.01	<0.01	<0.01	16.70	<0.01	<0.01	<0.01	<0.005	20.4	<0.01	0.23	<0.01

Comments: Please Note: An elevated concentration of Barium may precipitate as Barium Sulphate in an acid digestion (Me-MS61r)

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



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Project: MBS-1

CERTIFICATE OF ANALYSIS AD16104934

Sample Description	Method Analyte Units LOR	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b
		MgO %	Mn %	Mo %	Nb %	Ni %	P2O5 %	Pb %	Rb %	S %	Sb %	SiO2 %	Sn %	Sr %	TiO2 %	V %
MBS1-001		8.08	0.12	<0.005	<0.005	<0.005	0.03	<0.005	<0.005	<0.01	<0.005	54.5	<0.005	<0.01	0.01	<0.01
MBS1-002		0.81	0.26	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	0.16	<0.005	11.05	<0.005	0.01	<0.01	<0.01
MBS1-003		4.77	0.19	<0.005	<0.005	<0.005	0.02	<0.005	<0.005	0.12	<0.005	48.3	<0.005	0.02	0.02	<0.01
MBS1-004		0.46	0.32	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	1.50	<0.005	1.07	<0.005	0.13	<0.01	<0.01
MBS1-005		0.04	<0.01	<0.005	<0.005	<0.005	0.01	<0.005	0.015	13.80	<0.005	0.05	<0.005	1.12	<0.01	0.02
MBS1-006		0.07	<0.01	<0.005	<0.005	<0.005	0.01	<0.005	0.012	13.90	<0.005	0.53	<0.005	0.54	<0.01	0.02
MBS1-007		0.04	<0.01	<0.005	<0.005	<0.005	0.01	<0.005	0.013	13.80	<0.005	<0.01	<0.005	0.57	<0.01	0.02
MBS1-008		0.04	0.02	<0.005	<0.005	<0.005	0.01	<0.005	0.015	13.50	<0.005	<0.01	<0.005	1.28	<0.01	0.02
MBS1-009		0.43	0.33	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	0.30	<0.005	0.01	<0.005	0.03	<0.01	<0.01
MBS1-010		0.69	0.27	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	0.28	<0.005	8.51	<0.005	0.01	<0.01	<0.01
MBS1-011		19.25	0.19	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	0.04	<0.005	1.34	<0.005	<0.01	<0.01	<0.01
MBS1-012		3.67	0.07	<0.005	<0.005	<0.005	0.01	<0.005	<0.005	0.01	<0.005	73.2	<0.005	<0.01	0.01	<0.01
MBS1-013		0.28	0.02	<0.005	<0.005	<0.005	0.01	<0.005	<0.005	0.03	<0.005	79.8	<0.005	0.01	0.01	<0.01
MBS1-014		0.46	0.29	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	0.02	<0.005	1.87	<0.005	0.01	<0.01	<0.01
MBS1-015		0.64	0.31	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	0.24	<0.005	10.70	<0.005	0.01	<0.01	<0.01
MBS1-016		7.64	0.38	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	0.02	<0.005	13.75	<0.005	0.01	0.01	<0.01
MBS1-017		9.51	0.19	<0.005	<0.005	<0.005	0.05	<0.005	<0.005	0.02	<0.005	22.5	<0.005	0.01	0.06	0.01
MBS1-018		7.81	0.15	<0.005	<0.005	<0.005	0.06	<0.005	<0.005	0.02	<0.005	42.7	<0.005	0.01	0.07	<0.01
MBS1-019		8.07	0.12	<0.005	<0.005	<0.005	0.07	<0.005	<0.005	0.03	<0.005	43.4	<0.005	0.01	0.13	<0.01
MBS1-020		20.8	0.21	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	0.01	<0.005	2.89	<0.005	<0.01	<0.01	<0.01
MBS1-021		24.8	0.19	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	0.01	<0.005	5.48	<0.005	<0.01	0.01	<0.01
MBS1-022		3.95	0.11	<0.005	<0.005	<0.005	0.03	<0.005	<0.005	0.02	<0.005	42.2	<0.005	0.01	0.05	<0.01
MBS1-023		4.73	0.14	<0.005	<0.005	<0.005	0.02	<0.005	<0.005	0.02	<0.005	40.9	<0.005	0.01	0.07	<0.01
MBS1-024		4.06	0.13	<0.005	<0.005	<0.005	0.02	<0.005	<0.005	0.02	<0.005	40.0	<0.005	0.01	0.06	0.01
MBS1-025		2.25	0.11	<0.005	<0.005	<0.005	0.03	<0.005	<0.005	0.01	<0.005	36.0	<0.005	0.01	0.03	0.01
MBS1-026		1.20	0.09	<0.005	<0.005	<0.005	0.01	<0.005	<0.005	0.01	<0.005	54.1	<0.005	<0.01	0.11	0.01
MBS1-027		1.56	0.10	<0.005	<0.005	<0.005	0.01	<0.005	<0.005	0.01	<0.005	36.9	<0.005	<0.01	0.03	<0.01

Comments: Please Note: An elevated concentration of Barium may precipitate as Barium Sulphate in an acid digestion (Me-MS61r)

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



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 Finalized Date: 25-JUL-2016
 Account: GEOTMINE

Project: MBS-1

CERTIFICATE OF ANALYSIS AD16104934

Sample Description	Method Analyte Units LOR	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	PUL-QC
		W %	Y2O3 %	Zn %	Zr %	Pass75um %
		0.001	0.005	0.005	0.01	0.01
MBS1-001		<0.001	<0.005	<0.005	<0.01	
MBS1-002		<0.001	<0.005	<0.005	<0.01	
MBS1-003		<0.001	<0.005	<0.005	<0.01	
MBS1-004		<0.001	<0.005	<0.005	<0.01	
MBS1-005		0.001	0.012	0.014	<0.01	99.0
MBS1-006		<0.001	0.015	0.014	<0.01	
MBS1-007		0.001	0.012	0.014	<0.01	
MBS1-008		0.001	0.011	0.014	<0.01	
MBS1-009		<0.001	<0.005	<0.005	<0.01	
MBS1-010		<0.001	<0.005	<0.005	<0.01	
MBS1-011		<0.001	<0.005	<0.005	<0.01	
MBS1-012		<0.001	<0.005	<0.005	<0.01	
MBS1-013		<0.001	<0.005	<0.005	<0.01	
MBS1-014		<0.001	0.006	<0.005	<0.01	
MBS1-015		<0.001	<0.005	<0.005	<0.01	
MBS1-016		<0.001	<0.005	<0.005	<0.01	
MBS1-017		<0.001	<0.005	<0.005	<0.01	
MBS1-018		<0.001	<0.005	<0.005	<0.01	
MBS1-019		<0.001	<0.005	<0.005	<0.01	
MBS1-020		<0.001	<0.005	<0.005	<0.01	
MBS1-021		<0.001	<0.005	<0.005	<0.01	
MBS1-022		<0.001	<0.005	<0.005	<0.01	
MBS1-023		<0.001	<0.005	<0.005	<0.01	
MBS1-024		<0.001	<0.005	<0.005	<0.01	
MBS1-025		<0.001	<0.005	<0.005	<0.01	
MBS1-026		<0.001	<0.005	<0.005	<0.01	
MBS1-027		<0.001	<0.005	<0.005	<0.01	

Comments: Please Note: An elevated concentration of Barium may precipitate as Barium Sulphate in an acid digestion (Me-MS61r)

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



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Project: MBS-1

CERTIFICATE OF ANALYSIS AD16104934

	CERTIFICATE COMMENTS								
Applies to Method:	<p>ANALYTICAL COMMENTS</p> <p>REE's may not be totally soluble in this method. ME-MS61r</p>								
Applies to Method:	<p>ACCREDITATION COMMENTS</p> <p>NATA Accredited. Corporate Accreditation No: 825, Corporate Site No: 818. The Technical Signatory is James Lo, XRF Supervising Chemist. ME-GRA05</p>								
Applies to Method:	<p>LABORATORY ADDRESSES</p> <p>Processed at ALS Townsville located at 14-15 Desma Court, Bohle, Townsville, QLD, Australia. Au-GRA21</p>								
Applies to Method:	<p>Processed at ALS Adelaide located at Unit 1, 1 Burma Road, Pooraka, Adelaide, SA, Australia.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">BAG-01</td> <td style="width: 25%;">LEV-01</td> <td style="width: 25%;">LOG-22</td> <td style="width: 25%;">PUL-23</td> </tr> <tr> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> <td></td> </tr> </table>	BAG-01	LEV-01	LOG-22	PUL-23	PUL-QC	SPL-21	WEI-21	
BAG-01	LEV-01	LOG-22	PUL-23						
PUL-QC	SPL-21	WEI-21							
Applies to Method:	<p>Processed at ALS Brisbane located at 32 Shand Street, Stafford, Brisbane, QLD, Australia. NATA Accreditation does not cover the performance of ALS Brisbane Sample Preparation which is processed at 116 Delta Street, Geebung, QLD 4034, Australia</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">ME-GRA05</td> <td style="width: 33%;">ME-MS61r</td> <td style="width: 33%;">ME-XRF15b</td> </tr> </table>	ME-GRA05	ME-MS61r	ME-XRF15b					
ME-GRA05	ME-MS61r	ME-XRF15b							