



Australian Laboratory Services Pty. Ltd.  
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Plus Appendix Pages  
Finalized Date: 24-APR-2014  
Account: TNTMIN

## QC CERTIFICATE BU14056423

Project: TNT\_632004\_0414

This report is for 28 Soil samples submitted to our lab in Burnie, TAS, Australia on 14-APR-2014.

The following have access to data associated with this certificate:

RUSSELL FULTON

ROBERT REID

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LEV-01	Waste Disposal Levy
LOG-22	Sample login - Rcd w/o BarCode
CRU-21	Crush entire sample >70% -6 mm
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS81	Lithium Borate Fusion ICP-MS	ICP-MS

To: TNT MINES LTD  
ATTN: ROBERT REID  
2/34 COLIN STREET  
WEST PERTH WA 6005

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:

Shaun Kenny, Brisbane Laboratory Manager



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**QC CERTIFICATE OF ANALYSIS BU14056423**

Method Analyte Units LOR	ME-MS81 Ba ppm 0.5	ME-MS81 Ce ppm 0.5	ME-MS81 Cr ppm 10	ME-MS81 Cs ppm 0.01	ME-MS81 Dy ppm 0.05	ME-MS81 Er ppm 0.03	ME-MS81 Eu ppm 0.03	ME-MS81 Ga ppm 0.1	ME-MS81 Gd ppm 0.05	ME-MS81 Hf ppm 0.2	ME-MS81 Ho ppm 0.01	ME-MS81 La ppm 0.5	ME-MS81 Lu ppm 0.01	ME-MS81 Nb ppm 0.2	ME-MS81 Nd ppm 0.1
Sample Description															
<b>STANDARDS</b>															
OREAS 120	967	48.3	50	0.74	2.29	1.28	1.07	11.4	2.80	6.3	0.47	21.2	0.19	8.0	17.1
Target Range - Lower Bound	875	41.2	20	0.62	2.11	1.24	0.90	9.5	2.78	5.2	0.42	18.5	0.18	7.6	17.1
Upper Bound	1070	51.4	70	0.78	2.69	1.58	1.16	11.9	3.50	6.8	0.54	23.7	0.24	9.7	21.1
STSD-1	617	50.5	70	1.78	5.53	3.68	1.75	12.8	6.26	5.6	1.36	27.9	0.58	6.9	27.5
Target Range - Lower Bound	567	42.7	40	1.48	5.36	3.30	1.41	10.5	5.80	5.0	1.12	24.6	0.49	5.4	26.6
Upper Bound	694	53.3	90	1.83	6.66	4.10	1.79	13.1	7.20	6.6	1.40	31.2	0.62	7.0	32.8
<b>BLANKS</b>															
BLANK	<0.5	<0.5	<10	<0.01	<0.05	<0.03	<0.03	0.1	<0.05	<0.2	<0.01	<0.5	<0.01	<0.2	<0.1
Target Range - Lower Bound	<0.5	<0.5	<10	<0.01	<0.05	<0.03	<0.03	<0.1	<0.05	<0.2	<0.01	<0.5	<0.01	<0.2	<0.1
Upper Bound	1.0	1.0	20	0.02	0.10	0.06	0.06	0.2	0.10	0.4	0.02	1.0	0.02	0.4	0.2
<b>DUPLICATES</b>															
711310	83.8	20.1	10	0.79	0.88	0.63	0.22	2.1	0.89	2.2	0.19	9.5	0.09	4.5	7.0
DUP	80.3	19.1	10	0.78	0.89	0.58	0.18	1.9	0.87	1.9	0.19	9.1	0.09	4.2	6.4
Target Range - Lower Bound	77.4	18.1	<10	0.74	0.79	0.54	0.16	1.8	0.79	1.7	0.17	8.3	0.08	3.9	6.3
Upper Bound	86.7	21.1	20	0.83	0.98	0.67	0.24	2.2	0.97	2.4	0.21	10.3	0.10	4.8	7.1
711320	94.5	36.6	40	2.52	2.49	1.67	0.51	5.7	2.55	4.5	0.61	17.3	0.25	8.1	12.8
DUP	94.5	38.2	40	2.42	2.64	1.67	0.50	5.5	2.50	4.6	0.61	18.7	0.25	7.7	13.2
Target Range - Lower Bound	89.3	35.0	30	2.34	2.39	1.56	0.45	5.2	2.35	4.1	0.57	16.6	0.23	7.3	12.3
Upper Bound	99.7	39.8	50	2.60	2.74	1.78	0.56	6.0	2.70	5.0	0.65	19.4	0.27	8.5	13.8



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Method Analyte Units LOR	ME-MS81 Pr ppm 0.03	ME-MS81 Rb ppm 0.2	ME-MS81 Sm ppm 0.03	ME-MS81 Sn ppm 1	ME-MS81 Sr ppm 0.1	ME-MS81 Ta ppm 0.1	ME-MS81 Tb ppm 0.01	ME-MS81 Th ppm 0.05	ME-MS81 Tm ppm 0.01	ME-MS81 U ppm 0.05	ME-MS81 V ppm 5	ME-MS81 W ppm 1	ME-MS81 Y ppm 0.5	ME-MS81 Yb ppm 0.03	ME-MS81 Zr ppm 2
Sample Description															
<b>STANDARDS</b>															
OREAS 120	5.09	91.4	3.47	1	123.5	0.7	0.44	5.75	0.18	41.2	27	2	12.0	1.23	268
Target Range - Lower Bound	4.48	78.1	3.34	<1	114.0	0.3	0.39	4.86	0.17	36.7	12	<1	10.5	1.18	228
Upper Bound	5.54	95.9	4.14	2	140.0	0.8	0.49	6.05	0.23	44.9	34	3	13.9	1.50	283
STSD-1	7.53	32.9	6.61	3	192.5	0.5	1.05	3.54	0.55	7.67	111	2	40.9	3.64	234
Target Range - Lower Bound	6.63	26.8	5.77	2	172.0	0.2	0.89	3.22	0.49	6.81	83	<1	34.9	3.25	221
Upper Bound	8.17	33.2	7.11	6	210	0.6	1.11	4.04	0.62	8.43	113	5	43.7	4.03	275
<b>BLANKS</b>															
BLANK	<0.03	<0.2	<0.03	<1	<0.1	<0.1	<0.01	<0.05	<0.01	<0.05	<5	1	<0.5	<0.03	<2
Target Range - Lower Bound	<0.03	<0.2	<0.03	<1	<0.1	<0.1	<0.01	<0.05	<0.01	<0.05	<5	<1	<0.5	<0.03	<2
Upper Bound	0.06	0.4	0.06	2	0.2	0.2	0.02	0.10	0.02	0.10	10	2	1.0	0.06	4
<b>DUPLICATES</b>															
711310	2.07	11.0	1.19	1	8.1	0.4	0.16	2.43	0.11	0.60	20	1	5.9	0.61	91
DUP	2.00	10.8	1.07	1	7.7	0.3	0.15	2.32	0.08	0.55	18	1	5.7	0.56	80
Target Range - Lower Bound	1.90	10.2	1.04	<1	7.4	0.2	0.14	2.21	0.08	0.50	13	<1	5.0	0.53	79
Upper Bound	2.17	11.6	1.22	2	8.4	0.5	0.17	2.54	0.11	0.65	25	2	6.6	0.64	92
711320	3.84	38.0	2.52	1	16.7	0.7	0.46	5.10	0.21	1.25	32	2	16.6	1.56	188
DUP	4.19	36.2	2.83	2	17.1	0.6	0.49	5.05	0.25	1.27	30	3	17.4	1.50	184
Target Range - Lower Bound	3.78	35.0	2.51	<1	16.0	0.5	0.44	4.77	0.21	1.15	24	<1	15.7	1.42	175
Upper Bound	4.25	39.2	2.84	2	17.8	0.8	0.51	5.38	0.25	1.37	38	4	18.4	1.64	197



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	CERTIFICATE COMMENTS
	<b>LABORATORY ADDRESSES</b>
Applies to Method:	Processed at ALS Brisbane located at 32 Shand Street, Stafford, Brisbane, QLD, Australia. CRU-21 ME-MS81 PUL-31
Applies to Method:	Processed at ALS Burnie located at 39 River Road, Burnie, TAS, Australia. LEV-01 LOG-22 WEI-21