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To: **TINONE RESOURCES CORPORATION**
1001-1030 WEST GEORGIA ST
VANCOUVER BC V6E 2Y3
CANADA

Page: 1
Total # Pages: 3 (A - D)
Plus Appendix Pages
Finalized Date: 17-OCT-2021
This copy reported on 26-OCT-2021
Account: TINONE

QC CERTIFICATE BR21252255

Project: Panama Project

P.O. No.: NA

This report is for 88 samples of Soil submitted to our lab in Burnie, TAS, Australia on 21-SEP-2021.

The following have access to data associated with this certificate:

RUSSELL FULTON

STUART SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LEV-01	Waste Disposal Levy
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
AuME-ST43	25g Super Trace Au + Multi Element PKG	

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:

Cameron Brosnan, Laboratory Manager, Perth



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Project: Panama Project

QC CERTIFICATE OF ANALYSIS BR21252255

Sample Description	Method Analyte Units LOD	AuME-ST43														
		Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.0001	0.001	0.01	0.01	2	0.05	0.005	0.0005	0.01	0.001	0.001	0.001	0.01	0.001	
STANDARDS																
GLG320-5		0.0507	1.660	0.69	0.35	<2	40.2	0.248	0.1430	0.32	0.095	21.0	25.0	26.8	1.590	72.3
GLG320-5		0.0487	1.645	0.70	0.34	<2	40.2	0.245	0.1460	0.32	0.096	21.9	24.4	26.6	1.595	72.6
GLG320-5		0.0546	1.695	0.70	0.38	<2	37.4	0.234	0.1460	0.32	0.094	21.3	25.8	27.5	1.645	71.7
Target Range - Lower Bound		0.0477	1.480	0.67	0.33	<2	33.9	0.218	0.1300	0.31	0.077	20.1	22.0	23.8	1.455	68.0
Upper Bound		0.0585	1.810	0.84	0.43	6	45.9	0.278	0.1600	0.40	0.096	24.5	27.0	29.2	1.780	78.2
MRGeo08		0.0037	4.33	2.37	32.7	<2	284	0.648	0.623	0.91	2.18	67.2	19.00	91.6	10.30	618
MRGeo08		0.0035	4.44	2.55	33.8	3	370	0.679	0.653	0.98	2.27	68.5	19.90	92.3	10.40	627
Target Range - Lower Bound		0.0034	4.01	2.23	29.7	<2	112.0	0.607	0.585	0.86	2.02	66.2	17.10	79.7	9.49	587
Upper Bound		0.0044	4.91	2.75	36.3	8	151.5	0.753	0.717	1.08	2.47	81.0	20.9	97.5	11.60	675
OREAS 503d		0.636	1.335	1.92	84.8	<2	45.4	0.508	1.305	1.05	0.164	58.1	15.65	65.5	8.98	5220
OREAS 503d		0.624	1.245	1.87	85.0	<2	39.1	0.494	1.260	1.01	0.143	58.2	14.95	63.9	8.47	5160
OREAS 503d		0.659	1.320	1.92	85.9	2	33.4	0.485	1.320	1.04	0.105	56.3	15.60	65.7	8.60	4880
Target Range - Lower Bound		0.592	1.185	1.86	78.3	<2	39.1	0.457	1.205	0.94	0.098	55.8	14.30	59.4	8.35	4850
Upper Bound		0.724	1.455	2.30	95.7	8	53.0	0.569	1.475	1.18	0.122	68.2	17.50	72.6	10.20	5590
OREAS 905		0.389	0.502	0.69	32.0	<2	228	0.855	5.12	0.32	0.320	70.2	13.40	16.60	1.010	1570
Target Range - Lower Bound		0.352	0.463	0.65	30.0	<2	197.0	0.789	4.98	0.28	0.305	68.2	12.50	15.85	0.989	1455
Upper Bound		0.430	0.569	0.81	36.6	6	267	0.975	6.09	0.36	0.375	83.4	15.30	19.35	1.210	1670
BLANKS																
BLANK		0.0002	<0.001	<0.01	<0.01	<2	<0.05	<0.005	0.0007	<0.01	<0.001	<0.001	0.002	<0.01	<0.001	<0.01
BLANK		<0.0001	<0.001	<0.01	<0.01	<2	<0.05	<0.005	<0.0005	<0.01	0.001	0.001	0.001	<0.01	<0.001	<0.01
BLANK		0.0001	<0.001	<0.01	<0.01	<2	<0.05	<0.005	<0.0005	<0.01	<0.001	0.001	<0.001	0.01	<0.001	0.01
Target Range - Lower Bound		<0.0001	<0.001	<0.01	<0.01	<2	<0.05	<0.005	<0.0005	<0.01	<0.001	<0.001	<0.001	<0.01	<0.001	<0.01
Upper Bound		0.0002	0.002	0.02	0.02	4	0.10	0.010	0.0010	0.02	0.002	0.002	0.002	0.02	0.002	0.02
DUPLICATES																
RG120257		0.0020	0.012	3.04	2.05	<2	48.5	0.505	0.451	0.01	<0.001	10.45	0.723	42.5	1.355	18.65
DUP		0.0022	0.014	3.09	1.91	<2	49.2	0.507	0.456	0.01	<0.001	11.25	0.719	42.1	1.465	19.20
Target Range - Lower Bound		0.0019	0.011	2.90	1.87	<2	45.1	0.476	0.430	<0.01	<0.001	10.30	0.684	40.2	1.340	18.25
Upper Bound		0.0023	0.015	3.23	2.09	4	52.6	0.536	0.477	0.02	0.002	11.40	0.758	44.4	1.480	19.60



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Project: Panama Project

QC CERTIFICATE OF ANALYSIS BR21252255

Sample Description	Method Analyte Units LOD	AuME-ST43														
		Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm
		0.001	0.004	0.005	0.002	0.002	0.005	0.01	0.002	0.1	0.01	0.1	0.002	0.001	0.002	0.02
STANDARDS																
GLG320-5		2.13	3.65	0.054	0.505	0.026	0.012	0.24	11.00	9.7	0.36	261	8.99	0.094	0.137	44.3
GLG320-5		2.14	3.79	0.046	0.464	0.025	0.011	0.24	11.15	9.8	0.37	259	8.79	0.094	0.109	43.3
GLG320-5		2.08	3.56	0.046	0.531	0.026	0.014	0.23	11.60	9.4	0.36	249	9.37	0.095	0.129	45.6
Target Range - Lower Bound		1.995	3.36	0.038	0.418	0.018	<0.005	0.21	10.35	8.8	0.32	236	8.01	0.090	0.109	39.6
Upper Bound		2.44	4.12	0.068	0.570	0.030	0.023	0.27	12.65	11.0	0.42	288	9.79	0.112	0.152	48.4
MRGeo08		3.57	9.30	0.117	0.477	0.064	0.148	1.25	36.9	33.2	1.13	386	14.05	0.283	0.225	708
MRGeo08		3.75	9.61	0.114	0.521	0.060	0.150	1.32	36.2	33.5	1.19	403	14.85	0.299	0.251	727
Target Range - Lower Bound		3.23	8.77	0.111	0.404	0.050	0.137	1.12	32.6	29.1	1.01	346	13.10	0.277	0.237	623
Upper Bound		3.95	10.75	0.161	0.552	0.072	0.179	1.40	39.8	35.7	1.25	423	16.05	0.341	0.325	761
OREAS 503d		4.43	8.46	0.124	0.323	0.037	0.066	1.03	30.4	29.2	1.17	383	334	0.186	0.339	31.1
OREAS 503d		4.36	8.53	0.108	0.318	0.038	0.064	1.01	29.4	28.5	1.14	372	327	0.179	0.267	29.6
OREAS 503d		4.34	8.21	0.100	0.319	0.035	0.067	1.01	28.7	27.7	1.14	362	308	0.182	0.417	30.7
Target Range - Lower Bound		4.12	7.83	0.097	0.291	0.032	0.060	0.94	27.4	25.0	1.08	341	308	0.170	0.604	28.1
Upper Bound		5.04	9.57	0.143	0.399	0.048	0.088	1.18	33.6	30.8	1.34	417	376	0.210	0.822	34.3
OREAS 905		3.44	5.57	0.074	0.677	0.013	0.546	0.27	37.0	3.9	0.14	345	2.88	0.092	0.091	8.64
Target Range - Lower Bound		3.15	5.41	0.071	0.371	0.009	0.517	0.24	34.1	3.6	0.11	294	2.70	0.076	0.088	7.99
Upper Bound		3.85	6.63	0.109	0.507	0.019	0.643	0.32	41.7	4.6	0.17	360	3.30	0.095	0.124	9.81
BLANKS																
BLANK		<0.001	<0.004	<0.005	<0.002	<0.002	<0.005	<0.01	<0.002	<0.1	<0.01	<0.1	<0.002	0.007	<0.002	<0.02
BLANK		<0.001	<0.004	<0.005	<0.002	<0.002	<0.005	<0.01	<0.002	<0.1	<0.01	<0.1	<0.002	0.007	<0.002	<0.02
BLANK		<0.001	<0.004	<0.005	<0.002	<0.002	<0.005	<0.01	<0.002	<0.1	<0.01	<0.1	<0.002	0.009	<0.002	<0.02
Target Range - Lower Bound		<0.001	<0.004	<0.005	<0.002	<0.002	<0.005	<0.01	<0.002	<0.1	<0.01	<0.1	<0.002	<0.001	<0.002	<0.02
Upper Bound		0.002	0.008	0.010	0.004	0.004	0.010	0.02	0.004	0.2	0.02	0.2	0.004	0.002	0.004	0.04
DUPLICATES																
RG120257		3.50	7.26	0.028	0.125	0.033	0.033	0.05	4.10	13.9	0.03	30.0	1.865	0.013	0.138	3.31
DUP		3.46	7.44	0.027	0.142	0.035	0.038	0.06	4.48	14.3	0.03	31.3	1.995	0.014	0.159	3.41
Target Range - Lower Bound		3.31	6.98	0.020	0.121	0.029	0.029	0.04	4.07	13.3	0.02	29.0	1.830	0.012	0.135	3.17
Upper Bound		3.66	7.72	0.035	0.146	0.039	0.042	0.07	4.51	14.9	0.04	32.3	2.03	0.015	0.162	3.55



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QC CERTIFICATE OF ANALYSIS BR21252255

Sample Description	Method Analyte Units LOD	AuME-ST43														
		P %	Pb ppm	Pd ppm	Pt ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
		0.0005	0.005	0.001	0.001	0.005	0.0002	0.002	0.002	0.005	0.002	0.01	0.01	0.005	0.001	0.0005
STANDARDS																
GLG320-5		0.0428	108.5	<0.001	<0.001	29.1	0.0003	0.048	0.600	1.420	0.084	1.02	12.30	<0.005	0.005	11.35
GLG320-5		0.0429	111.0	<0.001	<0.001	29.2	0.0005	0.048	0.615	1.460	0.087	1.03	12.55	<0.005	0.006	12.00
GLG320-5		0.0430	108.5	<0.001	<0.001	31.3	0.0007	0.047	0.630	1.460	0.093	1.01	12.95	<0.005	0.004	11.65
Target Range - Lower Bound		0.0382	97.2	<0.001	<0.001	26.3	<0.0002	0.043	0.525	1.355	0.075	0.95	11.65	<0.005	0.004	10.05
Upper Bound		0.0478	119.0	0.004	0.003	32.1	0.0009	0.057	0.715	1.665	0.096	1.19	14.25	0.010	0.008	12.25
MRGeo08		0.0973	1050	0.003	0.001	146.0	0.0078	0.287	2.42	6.76	0.754	3.25	67.5	<0.005	0.022	21.0
MRGeo08		0.1040	1080	0.003	0.001	152.5	0.0075	0.310	2.39	7.25	0.800	3.14	69.5	<0.005	0.019	21.2
Target Range - Lower Bound		0.0913	946	0.002	<0.001	132.5	0.0070	0.250	2.35	6.57	0.673	3.04	66.8	<0.005	0.019	19.30
Upper Bound		0.1125	1155	0.006	0.004	161.5	0.0090	0.310	3.19	8.04	0.827	3.74	81.6	0.015	0.025	23.6
OREAS 503d		0.1020	7.61	0.008	<0.001	117.0	0.246	0.771	2.21	6.57	2.81	2.35	76.3	<0.005	0.293	15.50
OREAS 503d		0.0998	7.86	0.009	<0.001	115.5	0.235	0.761	2.09	6.51	2.80	2.27	73.6	<0.005	0.287	16.45
OREAS 503d		0.1020	7.83	0.007	0.001	116.5	0.246	0.764	2.06	6.75	2.82	2.15	74.5	<0.005	0.299	15.50
Target Range - Lower Bound			7.55			104.5	0.215	0.718	2.00	6.03	2.70	2.11	71.1	<0.005	0.287	14.70
Upper Bound			9.23			127.5	0.263	0.882	2.72	7.38	3.30	2.60	86.9	0.010	0.353	17.95
OREAS 905		0.0226	15.85	<0.001	0.001	15.20	0.0002	0.066	1.045	1.485	2.29	1.15	11.90	<0.005	0.067	7.91
Target Range - Lower Bound		0.0202	14.40	<0.001	<0.001	14.40	<0.0002	0.057	0.993	1.380	2.07	1.09	11.05	<0.005	0.058	7.20
Upper Bound		0.0258	17.60	0.003	0.003	17.60	0.0006	0.074	1.350	1.700	2.53	1.35	13.55	0.010	0.073	8.80
BLANKS																
BLANK		<0.0005	<0.005	<0.001	<0.001	<0.005	<0.0002	<0.002	<0.002	<0.005	0.004	<0.01	<0.01	<0.005	<0.001	0.0005
BLANK		<0.0005	0.014	<0.001	<0.001	<0.005	<0.0002	<0.002	<0.002	<0.005	<0.002	<0.01	<0.01	<0.005	<0.001	<0.0005
BLANK		<0.0005	<0.005	<0.001	<0.001	<0.005	<0.0002	<0.002	0.002	<0.005	<0.002	<0.01	<0.01	<0.005	<0.001	0.0005
Target Range - Lower Bound		<0.0005	<0.005	<0.001	<0.001	<0.005	<0.0002	<0.002	<0.002	<0.005	<0.002	<0.01	<0.01	<0.005	<0.001	<0.0005
Upper Bound		0.0010	0.010	0.002	0.002	0.010	0.0004	0.004	0.004	0.010	0.004	0.02	0.02	0.010	0.002	0.0010
DUPLICATES																
RG120257		0.0046	9.86	<0.001	<0.001	19.20	<0.0002	0.016	0.320	1.990	0.393	0.88	2.58	<0.005	0.014	28.3
DUP		0.0045	9.72	<0.001	<0.001	20.2	<0.0002	0.016	0.361	2.05	0.394	0.92	2.75	<0.005	0.016	27.7
Target Range - Lower Bound		0.0038	9.30	<0.001	<0.001	18.70	<0.0002	0.013	0.313	1.915	0.372	0.85	2.52	<0.005	0.013	26.6
Upper Bound		0.0053	10.30	0.002	0.002	20.7	0.0004	0.019	0.368	2.13	0.415	0.96	2.81	0.010	0.017	29.4



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Method Analyte Units LOD	AuME-ST43 Ti %	AuME-ST43 Ti ppm	AuME-ST43 U ppm	AuME-ST43 V ppm	AuME-ST43 W ppm	AuME-ST43 Y ppm	AuME-ST43 Zn ppm	AuME-ST43 Zr ppm
Sample Description	0.0001	0.0005	0.0005	0.05	0.001	0.001	0.1	0.01
STANDARDS								
GLG320-5	0.250	0.259	4.81	45.4	0.163	12.05	82.8	23.8
GLG320-5	0.249	0.251	4.71	44.5	0.157	12.10	81.9	22.5
GLG320-5	0.241	0.263	5.07	45.7	0.156	12.75	85.0	25.6
Target Range - Lower Bound	0.224	0.221	4.63	39.6	0.135	11.10	73.5	20.1
Upper Bound	0.274	0.301	5.67	48.5	0.185	13.60	90.1	27.3
MRGeo08	0.326	0.805	5.17	104.0	2.03	17.85	757	16.15
MRGeo08	0.344	0.783	5.29	102.5	2.19	18.95	777	17.35
Target Range - Lower Bound	0.282	0.663	4.98	88.6	1.835	16.95	679	14.00
Upper Bound	0.344	0.898	6.08	108.5	2.49	20.7	831	19.00
OREAS 503d	0.277	0.639	3.92	105.5	1.570	15.45	64.6	9.34
OREAS 503d	0.273	0.624	3.98	103.5	1.560	15.00	62.3	9.00
OREAS 503d	0.266	0.634	4.07	98.5	1.495	15.70	64.1	9.30
Target Range - Lower Bound	0.250	0.561	3.91	93.6	1.385	14.40	57.1	8.49
Upper Bound	0.306	0.760	4.79	114.5	1.875	17.60	70.1	11.50
OREAS 905	0.0147	0.0967	1.840	5.36	0.494	5.93	60.0	29.8
Target Range - Lower Bound	0.0134	0.0845	1.800	4.72	0.475	5.67	54.6	17.30
Upper Bound	0.0166	0.1155	2.20	5.88	0.645	6.93	67.0	23.4
BLANKS								
BLANK	<0.0001	0.0009	<0.0005	<0.05	0.006	0.001	0.1	<0.01
BLANK	<0.0001	0.0011	<0.0005	<0.05	0.004	<0.001	<0.1	<0.01
BLANK	<0.0001	<0.0005	<0.0005	<0.05	0.006	<0.001	0.1	<0.01
Target Range - Lower Bound	<0.0001	<0.0005	<0.0005	<0.05	<0.001	<0.001	<0.1	<0.01
Upper Bound	0.0002	0.0010	0.0010	0.10	0.002	0.002	0.2	0.02
DUPLICATES								
RG120257	0.0006	0.148	0.644	34.4	0.042	0.830	8.0	6.05
DUP	0.0007	0.1590	0.648	35.0	0.047	0.908	8.4	6.34
Target Range - Lower Bound	0.0005	0.1415	0.613	32.9	0.040	0.825	7.7	5.72
Upper Bound	0.0008	0.1655	0.679	36.5	0.049	0.913	8.7	6.67



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Project: Panama Project

QC CERTIFICATE OF ANALYSIS BR21252255

Method Analyte Units LOD	AuME-ST43 Au ppm	AuME-ST43 Ag ppm	AuME-ST43 Al %	AuME-ST43 As ppm	AuME-ST43 B ppm	AuME-ST43 Ba ppm	AuME-ST43 Be ppm	AuME-ST43 Bi ppm	AuME-ST43 Ca %	AuME-ST43 Cd ppm	AuME-ST43 Ce ppm	AuME-ST43 Co ppm	AuME-ST43 Cr ppm	AuME-ST43 Cs ppm	AuME-ST43 Cu ppm	
Sample Description	0.0001	0.001	0.01	0.01	2	0.05	0.005	0.0005	0.01	0.001	0.001	0.001	0.01	0.001	0.01	
DUPLICATES																
RG1 20277	0.0225	0.016	0.64	0.16	<2	25.6	0.615	0.216	0.01	0.004	30.1	0.759	11.45	2.21	6.02	
DUP	0.0068	0.015	0.65	0.22	<2	26.0	0.631	0.219	0.01	0.003	31.4	0.760	11.80	2.29	6.34	
Target Range - Lower Bound	0.0138	0.014	0.60	0.17	<2	23.8	0.587	0.206	<0.01	0.002	29.2	0.721	11.05	2.14	5.95	
Upper Bound	0.0155	0.017	0.69	0.21	4	27.8	0.659	0.229	0.02	0.005	32.3	0.798	12.20	2.36	6.41	
RG1 20291	0.0080	0.008	0.82	0.34	<2	16.80	0.197	0.116	0.01	<0.001	12.30	0.253	7.62	0.587	2.35	
DUP	0.0019	0.009	0.85	0.32	<2	17.25	0.202	0.1140	0.01	0.002	13.20	0.243	7.69	0.587	2.42	
Target Range - Lower Bound	0.0046	0.007	0.78	0.30	<2	15.70	0.185	0.1090	<0.01	<0.001	12.10	0.235	7.26	0.557	2.29	
Upper Bound	0.0053	0.010	0.89	0.36	4	18.35	0.214	0.1215	0.02	0.002	13.40	0.261	8.05	0.617	2.48	
RG1 20311	0.0042	0.016	2.19	3.98	<2	15.40	0.140	0.239	0.01	<0.001	14.65	0.429	32.8	1.620	2.41	
DUP	0.0019	0.017	2.10	4.17	<2	14.85	0.135	0.235	0.01	<0.001	14.45	0.409	32.1	1.600	2.37	
Target Range - Lower Bound	0.0028	0.015	2.03	3.86	<2	13.95	0.126	0.225	<0.01	<0.001	13.80	0.397	30.8	1.530	2.30	
Upper Bound	0.0033	0.018	2.26	4.29	4	16.30	0.149	0.249	0.02	0.002	15.30	0.441	34.1	1.690	2.48	
RG1 20325	0.0015	0.010	1.24	8.55	<2	26.3	0.234	0.400	0.01	<0.001	43.7	0.241	20.7	0.963	10.15	
DUP	0.0013	0.012	1.27	8.44	<2	28.2	0.236	0.409	0.01	<0.001	49.0	0.268	21.2	1.045	11.20	
Target Range - Lower Bound	0.0012	0.009	1.18	8.06	<2	25.2	0.218	0.384	<0.01	<0.001	44.0	0.241	19.90	0.953	10.30	
Upper Bound	0.0016	0.013	1.33	8.93	4	29.3	0.252	0.425	0.02	0.002	48.7	0.268	22.0	1.055	11.05	
ORIGINAL	0.0039	0.024	0.69	7.41	<2	5.57	0.459	0.375	0.03	0.007	22.8	7.60	520	0.596	20.5	
DUP	0.0034	0.022	0.70	7.44	<2	4.16	0.460	0.368	0.03	0.007	20.5	7.63	568	0.529	20.9	
Target Range - Lower Bound	0.0034	0.021	0.65	7.04	<2	4.45	0.432	0.352	0.02	0.006	20.6	7.23	517	0.533	19.95	
Upper Bound	0.0039	0.025	0.74	7.81	4	5.28	0.487	0.391	0.04	0.008	22.7	8.00	571	0.592	21.4	



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Sample Description	Method Analyte Units LOD	AuME-ST43														
		Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm
		0.001	0.004	0.005	0.002	0.002	0.005	0.01	0.002	0.1	0.01	0.1	0.002	0.001	0.002	0.02
DUPLICATES																
RG120277		1.070	2.12	0.030	0.031	0.021	0.011	0.03	15.95	10.9	0.03	23.3	0.153	0.014	0.245	3.34
DUP		1.070	1.910	0.030	0.028	0.022	0.012	0.03	16.95	10.9	0.03	24.0	0.166	0.016	0.254	3.31
Target Range - Lower Bound		1.015	1.910	0.023	0.025	0.018	0.006	0.02	15.65	10.3	0.02	22.4	0.150	0.013	0.229	3.14
Upper Bound		1.125	2.12	0.037	0.034	0.025	0.017	0.04	17.25	11.5	0.04	24.9	0.169	0.017	0.270	3.51
RG120291		0.670	2.04	0.011	0.027	0.020	0.012	0.03	6.02	4.3	0.01	12.4	0.223	0.012	0.134	1.22
DUP		0.680	2.10	0.020	0.027	0.021	0.008	0.03	6.46	4.5	0.01	13.3	0.224	0.013	0.142	1.32
Target Range - Lower Bound		0.640	1.965	0.009	0.023	0.017	<0.005	0.02	5.93	4.1	<0.01	12.1	0.210	0.011	0.126	1.19
Upper Bound		0.710	2.18	0.022	0.031	0.024	0.016	0.04	6.55	4.7	0.02	13.6	0.237	0.014	0.150	1.35
RG120311		2.98	8.06	0.028	0.119	0.047	0.034	0.03	7.01	10.0	0.01	26.7	0.473	0.014	0.341	2.59
DUP		2.92	7.80	0.025	0.122	0.042	0.033	0.03	6.77	9.4	0.01	25.4	0.486	0.013	0.335	2.50
Target Range - Lower Bound		2.80	7.53	0.020	0.109	0.039	0.027	0.02	6.54	9.1	<0.01	24.6	0.454	0.012	0.311	2.40
Upper Bound		3.10	8.33	0.033	0.132	0.050	0.040	0.04	7.24	10.3	0.02	27.5	0.505	0.015	0.365	2.69
RG120325		2.28	4.62	0.044	0.069	0.021	0.023	0.04	24.1	3.2	0.02	27.1	0.484	0.014	0.291	1.28
DUP		2.22	4.85	0.048	0.070	0.020	0.021	0.04	26.2	3.3	0.02	28.4	0.532	0.014	0.294	1.39
Target Range - Lower Bound		2.14	4.49	0.038	0.062	0.017	0.016	0.03	23.9	3.0	<0.01	26.3	0.481	0.012	0.269	1.25
Upper Bound		2.36	4.98	0.054	0.077	0.024	0.028	0.05	26.4	3.5	0.03	29.2	0.535	0.016	0.316	1.42
ORIGINAL		4.40	6.62	0.049	0.072	0.006	0.035	0.05	11.80	2.0	0.02	178.0	1.535	0.014	0.229	28.7
DUP		4.71	6.67	0.043	0.073	0.007	0.035	0.04	10.95	2.0	0.02	166.0	1.560	0.012	0.210	30.6
Target Range - Lower Bound		4.33	6.31	0.038	0.065	0.004	0.028	0.03	10.80	1.8	<0.01	163.5	1.470	0.011	0.201	28.1
Upper Bound		4.78	6.98	0.054	0.080	0.009	0.042	0.06	11.95	2.2	0.03	180.5	1.625	0.015	0.238	31.2

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



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Sample Description	Method Analyte Units LOD	AuME-ST43														
		P %	Pb ppm	Pd ppm	Pt ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
		0.0005	0.005	0.001	0.001	0.005	0.0002	0.002	0.002	0.005	0.002	0.01	0.01	0.005	0.001	0.0005
DUPLICATES																
RG120277		0.0030	10.65	<0.001	<0.001	12.20	<0.0002	0.017	0.154	1.375	0.094	0.28	2.31	<0.005	0.002	8.33
DUP		0.0031	11.00	<0.001	<0.001	12.70	<0.0002	0.017	0.164	1.265	0.111	0.31	2.36	<0.005	0.003	8.29
Target Range - Lower Bound		0.0024	10.30	<0.001	<0.001	11.80	<0.0002	0.014	0.145	1.250	0.095	0.27	2.21	<0.005	<0.001	7.89
Upper Bound		0.0037	11.35	0.002	0.002	13.10	0.0004	0.020	0.173	1.390	0.110	0.32	2.46	0.010	0.004	8.73
RG120291		0.0026	4.67	<0.001	<0.001	8.44	<0.0002	0.005	0.155	0.545	0.094	0.39	1.83	<0.005	0.003	4.05
DUP		0.0027	4.75	<0.001	<0.001	9.01	<0.0002	0.006	0.169	0.573	0.089	0.38	1.93	<0.005	0.001	4.10
Target Range - Lower Bound		0.0020	4.47	<0.001	<0.001	8.28	<0.0002	0.003	0.148	0.526	0.085	0.36	1.78	<0.005	<0.001	3.87
Upper Bound		0.0033	4.95	0.002	0.002	9.17	0.0004	0.008	0.176	0.592	0.098	0.41	1.98	0.010	0.003	4.28
RG120311		0.0054	6.43	<0.001	<0.001	7.76	<0.0002	0.016	0.182	1.135	0.426	1.22	2.37	<0.005	0.009	8.73
DUP		0.0052	6.14	<0.001	<0.001	7.32	<0.0002	0.014	0.206	1.075	0.411	1.16	2.25	<0.005	0.009	8.23
Target Range - Lower Bound		0.0045	5.97	<0.001	<0.001	7.16	<0.0002	0.012	0.177	1.045	0.396	1.12	2.18	<0.005	0.008	8.06
Upper Bound		0.0061	6.60	0.002	0.002	7.92	0.0004	0.018	0.211	1.165	0.441	1.26	2.44	0.010	0.010	8.90
RG120325		0.0074	12.55	<0.001	0.001	9.13	<0.0002	0.009	0.684	0.760	0.608	0.69	6.96	<0.005	0.024	10.25
DUP		0.0079	13.50	<0.001	<0.001	10.00	<0.0002	0.010	0.647	0.809	0.607	0.74	8.03	<0.005	0.026	10.45
Target Range - Lower Bound		0.0068	12.35	<0.001	<0.001	9.08	<0.0002	0.007	0.614	0.740	0.575	0.67	7.11	<0.005	0.023	9.83
Upper Bound		0.0085	13.70	0.002	0.002	10.05	0.0004	0.012	0.717	0.829	0.640	0.76	7.88	0.010	0.027	10.85
ORIGINAL		0.0148	11.30	<0.001	0.002	8.57	<0.0002	0.008	0.159	10.25	0.441	0.95	3.40	<0.005	0.030	10.40
DUP		0.0156	11.10	<0.001	0.002	8.12	<0.0002	0.007	0.175	10.30	0.406	0.91	3.27	<0.005	0.031	10.00
Target Range - Lower Bound		0.0139	10.65	<0.001	<0.001	7.92	<0.0002	0.005	0.152	9.76	0.400	0.87	3.16	<0.005	0.028	9.69
Upper Bound		0.0165	11.75	0.002	0.003	8.77	0.0004	0.010	0.182	10.80	0.447	0.99	3.51	0.010	0.033	10.70



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Sample Description	Method Analyte Units LOD	AuME-ST43							
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.0001	0.0005	0.0005	0.05	0.001	0.001	0.1	0.01
DUPLICATES									
RG120277		0.0029	0.0749	0.747	12.65	0.021	4.39	12.9	1.50
DUP		0.0032	0.0795	0.776	13.05	0.030	4.55	12.7	1.62
Target Range - Lower Bound		0.0028	0.0709	0.723	12.15	0.023	4.25	12.1	1.43
Upper Bound		0.0033	0.0835	0.800	13.55	0.028	4.69	13.5	1.69
RG120291		0.0011	0.0453	0.212	11.10	0.058	0.736	3.1	1.17
DUP		0.0012	0.0472	0.213	11.15	0.054	0.766	3.4	1.16
Target Range - Lower Bound		0.0010	0.0423	0.201	10.50	0.051	0.712	3.0	1.07
Upper Bound		0.0013	0.0502	0.224	11.75	0.061	0.790	3.5	1.26
RG120311		0.0018	0.0631	0.420	46.6	0.015	0.713	4.3	5.12
DUP		0.0018	0.0608	0.418	46.0	0.020	0.689	4.1	5.12
Target Range - Lower Bound		0.0016	0.0568	0.398	43.9	0.015	0.665	3.9	4.73
Upper Bound		0.0020	0.0671	0.440	48.7	0.020	0.737	4.5	5.51
RG120325		0.0014	0.0531	0.599	30.6	0.016	2.32	6.2	3.56
DUP		0.0016	0.0574	0.610	29.9	0.012	2.63	6.7	3.55
Target Range - Lower Bound		0.0013	0.0506	0.574	28.7	0.012	2.35	6.0	3.28
Upper Bound		0.0017	0.0599	0.635	31.8	0.016	2.60	6.9	3.83
ORIGINAL		0.0239	0.0732	2.23	98.0	0.122	7.73	11.2	3.92
DUP		0.0251	0.0682	2.15	103.0	0.113	7.26	11.1	3.84
Target Range - Lower Bound		0.0232	0.0649	2.08	95.4	0.108	7.12	10.5	3.58
Upper Bound		0.0258	0.0765	2.30	105.5	0.127	7.87	11.8	4.18



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CERTIFICATE COMMENTS	
	<p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Processed at ALS Perth located at 31 Denninup Way, Malaga, Australia. Processed at ALS Perth Sample Preparation at 79 Distinction Road, Wangara, WA, Australia</p>
Applies to Method:	AuME-ST43 LEV-01
	Processed at ALS Brisbane located at 32 Shand Street, Stafford, Brisbane, QLD, Australia. Processed at ALS Brisbane Sample Preparation at 23 Pineapple Street, Zillmere, QLD, 4034, Australia
Applies to Method:	LOG-22 SCR-41 WEI-21