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No: 825, Corporate Site No: 23001.

CERTIFICATE BU19028743

Project: Thomas Creek

This report is for 142 Drill Core samples submitted to our lab in Burnie, TAS, Australia on 5-FEB-2019.

The following have access to data associated with this certificate:

ROBERT REID

ANDY RUST

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Plus Appendix Pages
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Account: ACCELE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LEV-01	Waste Disposal Levy
TRSPEC-20	Spectral Scan VNIR and SWIR
CRU-21	Crush entire sample
PUL-31b	Pulv. Lg split to >80% -75um
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
ME-MS61	48 element four acid 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:

Cameron Brosnan, Laboratory Manager, Perth



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CERTIFICATE OF ANALYSIS BU19028743

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	PUL-QC Pass75um % 0.01	Au-AA25 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
TCD840		4.11	85.1	<0.01	0.02	8.67	9.0	870	1.38	0.16	1.96	<0.02	58.2	42.4	58	5.32
TCD841		3.44		<0.01	0.07	8.18	9.0	490	1.24	0.14	0.90	<0.02	65.2	27.3	78	10.85
TCD842		3.49		0.01	0.01	8.36	4.8	1710	1.09	0.13	1.53	<0.02	26.1	28.2	95	4.06
TCD843		1.75		<0.01	0.01	8.69	5.9	2220	1.11	0.08	0.81	<0.02	66.4	45.2	15	2.10
TCD844		2.79		<0.01	0.02	7.18	6.1	870	1.28	0.16	1.45	<0.02	63.7	37.3	79	3.10
TCD845		3.91		<0.01	0.03	7.37	6.5	1140	1.29	0.16	1.44	<0.02	72.5	40.6	68	2.77
TCD846		2.23		<0.01	0.04	7.52	7.3	1960	0.97	0.12	1.20	0.02	54.1	25.4	88	1.60
TCD847		2.28		<0.01	0.02	7.15	6.8	570	1.32	0.23	2.07	<0.02	62.9	28.3	104	3.50
TCD848		1.56		<0.01	0.03	7.77	5.3	410	0.98	0.04	3.31	<0.02	55.0	28.7	182	7.04
TCD849		1.75		<0.01	0.03	7.90	7.0	2150	0.97	0.20	1.37	<0.02	59.4	52.7	101	2.75
TCD850		2.76		0.02	0.02	7.61	6.8	1660	1.35	0.23	1.35	<0.02	94.8	43.6	97	2.55
TCD851		4.02		<0.01	0.02	8.50	7.5	2190	1.16	0.12	1.35	<0.02	172.5	30.3	10	1.70
TCD852		4.62		<0.01	0.02	7.91	7.9	1940	1.10	0.16	1.59	<0.02	165.5	46.0	41	2.17
TCD853		3.93		0.04	0.10	7.34	12.3	1320	1.28	0.24	1.73	0.02	100.5	71.6	85	2.10
TCD854		3.76		1.65	0.04	7.81	8.2	1710	1.22	0.08	1.48	<0.02	69.1	53.9	170	2.13
TCD855		3.88		0.01	0.05	7.48	9.8	1750	1.23	0.09	1.47	<0.02	69.2	58.1	142	4.23
TCD856		4.14		0.01	0.06	7.56	5.8	1600	1.27	0.08	1.27	<0.02	47.8	33.6	139	3.47
TCD857		3.38		0.02	0.03	7.72	4.0	1350	1.29	0.07	0.50	<0.02	51.0	29.1	22	1.12
TCD858		3.51		0.02	0.06	7.42	3.8	1620	1.25	0.06	0.41	<0.02	58.3	7.0	24	0.89
TCD859		3.98		<0.01	0.05	7.57	6.1	900	1.52	0.15	0.53	<0.02	89.3	175.5	24	0.98
TCD860		3.86		<0.01	0.02	7.52	5.1	400	1.66	0.09	1.01	<0.02	70.2	53.3	23	0.78
TCD861		3.77		0.01	0.11	7.72	4.9	1710	1.47	0.14	1.01	<0.02	100.5	27.9	21	1.77
TCD862		3.99		0.01	0.08	7.73	8.4	1020	1.23	0.17	2.59	<0.02	58.0	79.9	147	1.92
TCD863		4.31		0.01	0.04	7.40	6.8	670	1.07	0.06	2.29	<0.02	93.1	32.1	159	1.37
TCD864		4.11		<0.01	0.02	7.42	7.2	470	1.43	0.16	2.20	<0.02	312	57.2	214	2.54
TCD865		3.83		0.01	0.04	7.57	6.5	280	1.25	0.17	2.57	<0.02	115.0	50.2	231	4.26
TCD866		4.38		<0.01	0.03	7.52	5.3	320	1.23	0.17	2.45	<0.02	103.0	56.8	231	4.11
TCD867		4.47		<0.01	0.04	7.42	6.6	270	1.21	0.10	2.27	<0.02	174.5	67.2	208	3.21
TCD868		4.06		<0.01	0.03	7.48	6.0	220	1.17	0.09	2.51	<0.02	163.0	44.7	183	4.01
TCD869		4.21		0.01	0.03	7.34	6.0	240	1.23	0.11	2.45	<0.02	209	65.2	184	3.57
TCD870		5.11		0.01	0.03	7.33	4.7	290	1.16	0.07	2.18	<0.02	137.5	38.3	187	6.11
TCD871		3.67		0.19	0.13	7.58	7.1	280	1.62	0.22	2.04	0.02	350	89.4	156	3.27
TCD872		4.35		0.01	0.04	7.48	7.7	510	1.44	0.14	1.92	<0.02	366	117.0	88	2.11
TCD873		3.38		0.05	0.08	7.02	7.0	390	1.52	0.16	1.75	<0.02	274	120.5	87	2.21
TCD874		4.16		<0.01	0.02	7.26	5.6	540	1.35	0.11	2.14	<0.02	153.5	49.3	125	4.03
TCD875		3.97		<0.01	0.03	7.48	5.7	530	1.37	0.10	2.09	<0.02	123.0	42.4	177	4.35
TCD876		4.24		<0.01	0.02	7.52	5.3	450	1.26	0.08	2.11	<0.02	116.0	39.1	181	3.79
TCD877		4.38		<0.01	0.02	7.37	5.6	290	1.33	0.09	2.21	<0.02	89.0	30.7	166	3.06
TCD878		5.49		<0.01	0.03	7.21	5.1	430	1.14	0.11	1.88	0.02	94.8	39.2	176	5.33
TCD879		2.78	82.7	<0.01	0.04	7.16	5.6	480	1.28	0.15	2.07	<0.02	127.5	42.7	163	3.98



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CERTIFICATE OF ANALYSIS BU19028743

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.2	0.01	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
TCD840		7.4	6.24	15.35	0.08	4.3	0.015	3.29	30.4	21.4	1.90	450	3.31	1.96	7.3	22.9
TCD841		53.6	8.13	17.00	0.15	4.3	0.017	3.13	35.2	23.9	2.64	432	1.37	0.79	6.3	17.4
TCD842		33.4	5.08	12.70	0.07	4.2	0.011	5.35	13.6	16.5	1.67	418	2.78	1.52	4.7	14.9
TCD843		26.8	7.06	16.30	0.11	4.8	0.021	6.21	34.5	25.0	1.79	484	2.34	1.58	9.1	24.7
TCD844		11.8	7.44	14.00	0.07	4.6	0.012	2.86	36.7	27.5	2.34	457	2.82	1.58	6.6	21.7
TCD845		16.2	6.97	13.20	0.09	4.4	0.018	3.44	40.5	24.8	2.19	323	3.15	1.41	6.4	19.2
TCD846		47.7	6.27	12.30	0.10	4.9	0.014	5.22	29.4	22.2	1.79	280	3.56	1.09	6.6	13.3
TCD847		25.7	8.13	13.95	0.10	4.2	0.028	2.26	32.7	23.3	2.48	290	0.59	1.41	6.0	22.9
TCD848		69.2	9.84	14.95	0.10	2.7	0.065	2.45	28.1	24.7	3.91	291	0.57	1.38	5.2	28.3
TCD849		29.3	8.33	13.45	0.08	4.2	0.018	5.46	31.3	22.7	2.19	323	0.82	0.92	5.7	25.9
TCD850		11.1	8.18	14.70	0.12	4.6	0.021	3.97	49.3	24.6	2.33	352	1.39	1.17	6.2	19.7
TCD851		65.7	7.64	15.90	0.16	4.5	0.020	5.04	89.9	23.5	2.03	379	1.42	1.78	6.8	10.7
TCD852		45.2	9.45	15.60	0.16	4.5	0.021	4.56	87.7	22.5	2.18	357	1.01	1.27	6.5	12.5
TCD853		712	11.85	15.45	0.16	3.7	0.031	3.52	53.6	23.9	2.31	382	1.79	1.11	6.1	31.7
TCD854		28.4	12.50	17.45	0.12	2.8	0.026	4.50	37.6	41.7	3.29	830	1.33	0.61	6.8	53.3
TCD855		158.0	12.35	16.35	0.14	2.9	0.013	4.51	36.6	38.7	3.54	542	0.85	0.73	7.2	64.4
TCD856		263	9.87	15.60	0.11	3.2	0.013	4.48	23.6	36.5	3.15	542	0.97	0.75	7.4	45.3
TCD857		170.5	4.21	14.80	0.09	5.2	0.017	4.81	25.8	29.5	1.25	460	1.90	2.24	11.1	15.2
TCD858		355	3.89	13.75	0.10	4.3	0.013	5.38	30.8	21.9	1.02	431	3.44	1.90	10.9	13.1
TCD859		39.2	4.48	14.05	0.10	4.3	0.016	3.22	48.1	26.8	1.17	481	3.35	2.92	10.1	18.0
TCD860		56.7	3.97	15.15	0.08	4.6	0.014	1.62	37.7	24.6	0.97	454	0.23	3.83	10.4	13.4
TCD861		521	4.87	15.05	0.11	5.3	0.015	5.10	55.7	23.2	1.05	414	1.72	2.00	10.7	17.4
TCD862		355	7.53	16.40	0.09	4.3	0.050	3.90	32.3	43.8	3.24	832	0.63	1.13	7.5	31.5
TCD863		128.5	8.35	15.80	0.10	3.8	0.041	3.13	50.9	37.9	3.27	662	1.06	1.55	6.8	35.5
TCD864		93.5	9.81	17.25	0.23	3.3	0.018	2.49	178.0	32.8	2.96	402	2.61	1.09	5.4	75.9
TCD865		55.0	8.67	15.70	0.13	3.3	0.028	2.37	64.5	28.5	3.29	339	0.71	1.20	5.3	95.0
TCD866		86.5	9.69	15.95	0.10	3.2	0.021	2.16	59.6	31.0	3.32	328	1.51	1.18	5.3	96.8
TCD867		173.5	11.45	16.55	0.13	3.4	0.026	2.25	104.0	36.0	3.39	365	1.00	1.20	4.9	72.1
TCD868		135.0	9.98	15.60	0.12	3.5	0.024	2.00	93.9	33.9	3.34	370	0.78	1.30	5.3	73.6
TCD869		175.0	11.00	16.15	0.13	3.4	0.023	2.15	123.5	32.1	3.00	370	1.29	1.20	5.0	62.5
TCD870		263	9.51	16.25	0.13	3.2	0.018	2.62	79.7	35.4	3.61	329	0.85	1.15	5.1	58.9
TCD871		4140	8.93	17.90	0.19	3.7	0.041	3.08	206	33.5	3.03	374	2.88	1.06	4.9	46.1
TCD872		318	8.79	18.15	0.23	4.0	0.023	3.11	210	30.0	2.63	369	1.34	1.04	5.6	37.9
TCD873		932	9.26	17.20	0.18	4.3	0.024	3.01	157.0	28.3	2.59	376	0.97	0.99	4.8	35.6
TCD874		62.1	8.76	17.00	0.11	4.1	0.021	2.14	87.3	31.2	2.92	364	0.91	1.31	6.0	37.7
TCD875		23.1	9.69	16.65	0.11	3.8	0.020	2.85	70.1	30.2	3.18	340	1.13	1.25	6.1	46.0
TCD876		21.9	10.60	17.70	0.10	4.0	0.018	2.37	65.2	31.1	3.32	365	1.43	1.34	6.2	46.6
TCD877		21.0	9.50	17.40	0.09	3.9	0.032	1.84	51.0	32.5	3.43	418	1.99	1.60	5.9	44.6
TCD878		27.7	9.15	15.90	0.12	3.6	0.019	2.24	52.7	32.5	3.24	363	0.75	1.30	6.0	48.8
TCD879		26.4	8.58	15.90	0.11	3.7	0.020	2.37	72.2	29.6	2.96	358	1.10	1.15	6.2	46.4



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		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
TCD840		520	3.7	194.5	<0.002	0.66	5.29	20.5	<1	2.9	195.0	0.49	0.09	10.80	0.371
TCD841		490	2.5	181.0	<0.002	0.27	13.25	23.6	<1	2.2	50.3	0.44	<0.05	9.27	0.344
TCD842		470	2.3	248	0.002	0.32	2.55	18.2	<1	1.4	159.5	0.35	<0.05	8.90	0.339
TCD843		710	2.4	209	<0.002	0.26	2.44	14.0	<1	4.1	157.5	0.65	<0.05	11.80	0.391
TCD844		480	2.7	136.5	0.002	0.40	1.34	23.7	<1	2.3	175.0	0.47	<0.05	10.15	0.369
TCD845		540	2.6	155.5	0.002	0.56	1.18	21.6	<1	2.1	186.0	0.44	0.07	9.90	0.356
TCD846		460	3.5	183.0	0.002	0.47	1.19	22.6	<1	3.6	212	0.43	0.08	9.80	0.371
TCD847		500	2.6	145.0	0.002	0.61	1.16	25.6	<1	1.9	179.0	0.43	0.14	8.89	0.362
TCD848		590	1.7	194.0	<0.002	0.17	0.94	32.4	<1	2.6	211	0.35	<0.05	7.66	0.412
TCD849		490	3.2	185.5	<0.002	0.71	0.92	25.5	<1	1.8	191.5	0.40	0.12	10.55	0.368
TCD850		480	2.1	160.5	<0.002	0.57	0.95	25.9	<1	1.7	181.5	0.45	0.10	10.05	0.364
TCD851		550	2.4	183.0	<0.002	0.27	0.95	19.6	<1	1.5	255	0.51	<0.05	9.90	0.389
TCD852		510	2.7	167.0	<0.002	0.34	0.62	20.5	<1	1.7	227	0.47	0.08	10.35	0.362
TCD853		620	2.8	159.0	<0.002	0.64	0.63	22.2	<1	2.0	197.5	0.40	0.11	10.40	0.341
TCD854		730	3.1	173.5	<0.002	0.37	1.04	24.4	<1	2.8	247	0.43	<0.05	14.35	0.352
TCD855		1280	3.1	171.5	<0.002	0.44	0.96	22.1	<1	3.0	186.0	0.48	0.05	15.15	0.335
TCD856		590	2.7	162.5	<0.002	0.18	0.83	21.3	<1	2.9	197.0	0.52	0.05	14.75	0.318
TCD857		420	1.8	195.5	<0.002	0.12	0.64	9.8	<1	3.6	152.0	0.88	<0.05	18.40	0.245
TCD858		400	1.6	194.5	<0.002	0.06	0.61	8.9	<1	3.5	121.5	0.91	<0.05	18.20	0.217
TCD859		440	2.2	144.5	<0.002	0.95	0.65	9.2	<1	3.0	152.5	0.84	<0.05	17.95	0.225
TCD860		400	1.9	90.3	<0.002	0.24	0.77	8.5	<1	3.1	179.0	0.96	<0.05	19.20	0.219
TCD861		400	2.1	201	<0.002	0.18	0.63	9.4	<1	3.6	209	0.88	<0.05	18.10	0.246
TCD862		540	4.0	198.5	<0.002	0.37	0.67	24.0	<1	3.0	203	0.54	<0.05	10.85	0.353
TCD863		510	2.4	160.5	<0.002	0.14	0.63	23.5	<1	2.8	188.5	0.48	<0.05	10.35	0.352
TCD864		400	1.9	158.0	<0.002	0.62	0.99	21.8	<1	1.8	166.5	0.38	0.09	9.69	0.323
TCD865		380	1.8	178.5	<0.002	0.83	0.68	23.5	<1	1.9	172.0	0.39	0.14	8.81	0.330
TCD866		440	2.4	155.0	<0.002	0.66	0.73	23.7	<1	1.8	219	0.39	0.10	8.77	0.322
TCD867		470	1.9	154.0	<0.002	0.40	0.92	23.1	<1	1.8	195.5	0.37	0.07	9.40	0.320
TCD868		450	1.9	138.5	<0.002	0.30	0.80	22.8	<1	1.7	211	0.40	<0.05	10.05	0.327
TCD869		440	1.9	155.5	<0.002	0.42	0.93	22.2	<1	1.6	205	0.39	0.06	9.36	0.322
TCD870		420	1.6	188.0	<0.002	0.25	0.65	22.0	<1	1.9	192.5	0.39	<0.05	8.75	0.318
TCD871		490	2.3	192.5	0.003	1.16	0.88	22.7	1	1.9	199.0	0.36	0.19	9.42	0.341
TCD872		520	1.9	175.5	0.003	1.00	0.94	25.5	1	1.7	222	0.41	0.07	10.55	0.362
TCD873		520	2.1	174.0	<0.002	1.02	0.86	23.8	<1	1.6	208	0.38	0.09	9.96	0.340
TCD874		470	1.7	149.5	<0.002	0.57	0.76	23.5	<1	1.5	194.5	0.44	0.05	9.76	0.349
TCD875		470	1.7	176.5	<0.002	0.50	0.83	24.0	<1	1.7	185.0	0.43	0.08	9.04	0.348
TCD876		490	1.7	146.0	<0.002	0.35	0.75	23.4	<1	1.7	196.5	0.43	0.05	9.57	0.344
TCD877		510	2.0	117.5	<0.002	0.27	0.67	22.7	<1	1.6	190.5	0.42	0.05	8.93	0.339
TCD878		440	1.8	138.5	<0.002	0.47	0.61	21.7	<1	1.5	165.5	0.42	0.09	8.46	0.329
TCD879		480	1.9	139.0	<0.002	0.62	0.81	21.9	<1	1.4	178.0	0.42	0.12	8.97	0.330



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Project: Thomas Creek

CERTIFICATE OF ANALYSIS BU19028743

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		U	V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.1	0.1	2	0.5
TCD840		4.6	172	2.9	24.8	43	162.0
TCD841		4.2	200	2.7	14.2	66	155.5
TCD842		4.3	108	2.9	10.0	41	157.0
TCD843		9.7	176	3.2	32.1	47	179.5
TCD844		4.7	160	1.7	15.7	46	164.5
TCD845		3.7	154	1.3	13.7	26	160.0
TCD846		5.9	147	1.7	25.9	22	181.5
TCD847		3.7	174	0.8	19.7	18	151.5
TCD848		2.8	209	0.6	26.5	13	97.0
TCD849		3.6	170	1.7	14.9	23	154.0
TCD850		3.7	169	1.6	12.9	25	161.0
TCD851		3.6	179	1.3	10.8	32	167.5
TCD852		4.0	168	0.9	11.6	29	165.0
TCD853		3.7	254	1.0	14.6	33	133.5
TCD854		4.6	315	1.9	25.3	98	97.8
TCD855		4.8	331	2.1	25.2	69	101.0
TCD856		6.6	176	1.7	25.8	62	114.5
TCD857		11.0	84	1.5	45.2	49	183.5
TCD858		7.9	72	2.1	36.9	44	138.5
TCD859		9.9	71	1.7	34.0	46	147.5
TCD860		9.8	69	1.1	35.3	46	145.0
TCD861		10.0	97	1.4	42.3	45	183.5
TCD862		7.2	159	1.6	25.4	72	154.0
TCD863		5.1	174	2.2	21.2	56	134.0
TCD864		2.2	172	0.7	17.1	33	114.5
TCD865		2.5	168	0.7	15.3	26	114.5
TCD866		2.6	164	0.8	12.3	28	115.5
TCD867		2.5	181	0.9	13.4	31	113.5
TCD868		2.6	163	0.8	15.0	33	122.5
TCD869		2.5	176	0.8	15.7	33	122.5
TCD870		2.4	165	0.6	13.1	29	121.0
TCD871		3.0	192	0.7	16.8	33	130.5
TCD872		3.4	183	0.7	17.6	31	156.0
TCD873		3.7	200	0.8	15.3	33	156.5
TCD874		2.6	177	0.6	13.9	28	153.5
TCD875		2.8	166	0.7	13.6	27	138.5
TCD876		2.8	176	0.9	12.7	32	138.0
TCD877		2.8	177	1.2	14.2	39	139.5
TCD878		2.4	168	0.9	16.6	32	127.0
TCD879		2.4	162	0.8	15.0	29	133.5

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



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CERTIFICATE OF ANALYSIS BU19028743

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	PUL-QC Pass75um % 0.01	Au-AA25 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
TCD880		5.79		<0.01	0.02	7.43	4.9	470	1.31	0.10	2.36	<0.02	83.1	29.5	111	6.00
TCD881		4.05		<0.01	0.03	8.20	5.0	260	1.50	0.08	2.91	<0.02	63.6	28.1	66	5.92
TCD882		2.52		0.01	0.05	7.59	13.8	520	1.59	0.20	1.85	<0.02	64.2	96.8	118	4.45
TCD883		2.12		<0.01	0.04	8.85	19.9	1640	1.51	0.13	1.66	<0.02	107.0	40.2	116	3.78
TCD884		3.18		<0.01	0.05	8.31	9.3	580	1.48	0.20	1.63	<0.02	85.7	43.4	108	2.70
TCD885		6.21		<0.01	0.01	7.23	7.4	1100	1.23	0.11	1.69	<0.02	72.1	36.2	88	3.47
TCD886		2.64		<0.01	0.01	7.30	7.3	410	1.18	0.08	1.58	<0.02	119.5	43.4	116	2.94
TCD887		3.95		<0.01	0.06	7.63	12.5	690	1.27	0.24	1.26	<0.02	124.5	82.9	116	2.51
TCD888		3.87		<0.01	0.05	7.42	11.0	650	1.25	0.16	1.69	<0.02	79.2	64.8	110	2.76
TCD889		3.95		<0.01	0.04	7.32	10.1	510	1.19	0.16	2.00	<0.02	72.3	41.4	95	3.16
TCD890		4.11		<0.01	0.04	7.07	6.1	480	1.33	0.13	1.90	<0.02	100.5	39.9	96	4.21
TCD891		4.57		<0.01	0.03	7.34	6.7	1050	1.23	0.10	1.34	<0.02	52.0	24.4	110	3.51
TCD892		3.93		<0.01	0.05	7.55	7.4	630	1.49	0.10	2.15	<0.02	105.5	49.3	101	5.25
TCD893		4.15		0.02	0.07	7.95	6.6	540	1.39	0.13	2.63	<0.02	77.3	34.0	73	6.93
TCD894		3.94		0.01	0.03	7.74	6.3	290	1.38	0.09	2.67	<0.02	70.3	38.4	71	11.45
TCD895		4.86		<0.01	0.04	7.83	6.3	670	1.25	0.16	2.21	<0.02	62.8	58.1	84	6.64
TCD896		4.87		0.01	0.03	7.41	9.1	420	1.41	0.12	2.63	<0.02	106.5	34.1	102	6.37
TCD897		0.81		0.01	0.04	7.48	6.4	600	1.55	0.17	1.79	<0.02	78.6	51.3	102	5.91
TCD898		0.57		0.04	0.16	8.35	7.2	2080	0.94	0.14	1.50	0.02	26.2	17.3	39	4.78
TCD899		0.62		0.01	0.05	7.66	6.4	520	1.71	0.16	1.67	0.02	100.5	37.4	87	6.39
TCD900		2.02		0.01	0.04	7.42	5.9	290	1.69	0.08	2.06	<0.02	40.8	24.1	84	7.10
TCD901		1.90		0.01	0.04	6.73	12.2	320	1.36	0.09	2.51	<0.02	82.3	24.5	75	7.80
TCD902		2.35		0.03	0.09	7.36	15.4	570	1.56	0.11	2.75	0.02	246	25.6	92	6.97
TCD903		2.04		<0.01	0.01	6.73	9.3	640	1.40	0.08	3.73	<0.02	75.5	29.8	94	3.95
TCD904		1.25		<0.01	0.02	6.69	24.8	390	1.22	0.09	5.43	<0.02	64.4	39.6	100	8.05
TCD906		1.04		0.02	0.07	6.91	21.7	290	1.26	0.14	6.14	<0.02	103.5	38.2	84	11.40
TCD907		0.62		0.01	0.26	4.26	63.5	110	1.27	0.37	10.35	0.06	333	122.0	42	10.35
TCD908		0.89		0.01	0.26	5.92	13.2	730	1.13	0.20	3.22	0.02	208	102.0	64	4.79
TCD909		3.16		0.01	0.11	5.83	15.6	430	1.41	0.13	4.19	<0.02	91.0	43.6	71	2.88
TCD910		4.11		<0.01	0.04	6.64	10.5	540	1.32	0.13	3.75	<0.02	58.4	30.6	81	1.43
TCD911		3.81		<0.01	0.03	6.26	11.4	740	1.37	0.13	4.37	<0.02	75.1	30.6	72	1.20
TCD912		4.33		0.01	0.08	4.11	43.3	210	1.26	0.19	5.51	<0.02	192.5	63.5	60	1.89
TCD913		4.03		<0.01	0.04	7.16	7.8	840	1.17	0.11	1.85	<0.02	148.0	53.9	90	3.78
TCD914		3.61		<0.01	0.08	6.67	12.0	640	1.22	0.20	2.02	<0.02	130.5	152.0	81	3.66
TCD915		3.97		<0.01	0.02	7.26	6.3	640	1.09	0.08	2.13	<0.02	54.6	26.9	76	5.02
TCD916		3.58		<0.01	0.05	6.71	9.0	200	1.06	0.16	2.64	<0.02	70.5	38.8	98	10.45
TCD917		3.89		0.01	0.02	7.21	8.7	1140	1.12	0.18	1.29	<0.02	68.2	50.3	101	3.10
TCD918		3.68		<0.01	0.01	7.30	8.2	960	1.17	0.13	1.55	0.02	55.2	41.8	99	2.97
TCD919		3.81		0.01	0.03	7.04	8.3	1990	0.80	0.22	1.07	<0.02	72.4	43.7	104	1.48
TCD920		3.59	83.6	<0.01	0.04	7.33	8.4	770	1.20	0.19	1.46	0.02	36.8	60.9	126	2.64



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Sample Description	Method Analyte Units LOD	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2
TCD880		22.3	7.78	16.20	0.10	3.8	0.030	2.20	45.6	28.2	2.92	300	0.99	1.36	6.4	30.9
TCD881		107.0	8.19	16.95	0.10	4.0	0.041	2.28	32.5	29.2	3.08	353	0.83	1.40	6.2	27.4
TCD882		56.6	9.04	16.20	0.08	4.0	0.019	2.03	35.9	25.0	2.87	345	0.76	1.70	5.9	72.9
TCD883		40.6	4.35	14.25	0.11	4.5	0.016	4.61	57.4	14.2	1.49	243	5.57	2.23	5.0	20.1
TCD884		50.0	4.48	14.20	0.09	4.7	0.020	2.94	48.3	20.8	1.90	334	2.99	2.52	5.8	19.4
TCD885		18.9	9.15	16.20	0.07	4.3	0.016	2.87	40.3	29.6	2.73	372	1.81	1.20	6.4	29.4
TCD886		45.1	10.50	16.85	0.10	4.2	0.021	2.65	68.0	36.8	3.04	510	3.11	1.27	6.5	40.7
TCD887		72.0	9.25	16.25	0.10	4.3	0.021	3.10	70.4	28.6	2.79	400	4.75	1.74	7.4	41.1
TCD888		48.8	8.57	15.40	0.08	4.2	0.024	2.67	45.1	28.2	2.77	351	1.13	1.40	6.7	24.5
TCD889		53.4	10.60	16.60	0.07	4.1	0.019	2.03	41.8	28.6	2.69	360	1.88	1.56	5.4	22.7
TCD890		47.4	10.35	15.70	0.10	3.7	0.024	1.89	56.4	29.2	2.52	339	2.65	1.54	5.1	29.4
TCD891		84.0	9.51	16.00	0.06	3.7	0.038	3.25	30.7	37.0	2.82	762	0.56	1.39	5.2	45.8
TCD892		148.5	10.85	18.20	0.10	3.7	0.022	2.18	60.5	30.9	3.19	472	1.17	1.51	6.3	50.0
TCD893		528	11.35	18.60	0.10	2.4	0.027	2.33	44.4	29.1	3.31	379	1.87	1.61	6.5	44.7
TCD894		172.0	11.40	18.00	0.09	2.7	0.026	2.56	39.8	27.9	3.27	368	1.78	1.13	6.4	38.0
TCD895		125.0	9.91	16.75	0.08	3.3	0.023	2.53	34.6	20.9	2.71	301	0.69	1.52	6.5	45.6
TCD896		122.0	9.38	17.15	0.14	3.8	0.027	1.86	57.5	30.0	3.29	358	0.66	1.46	7.1	79.2
TCD897		300	9.11	16.75	0.10	3.7	0.029	2.11	42.7	27.0	2.90	347	0.97	1.67	6.2	53.7
TCD898		1490	7.91	17.10	0.08	3.6	0.038	6.28	13.7	25.1	3.01	573	0.28	0.62	6.5	43.5
TCD899		327	8.43	16.65	0.12	3.9	0.046	2.58	56.1	22.4	2.77	437	2.18	1.44	6.5	44.1
TCD900		379	11.25	17.55	0.09	3.9	0.030	1.87	19.4	25.1	2.97	394	2.77	1.47	5.9	36.5
TCD901		294	14.10	18.25	0.17	3.3	0.023	2.16	40.3	24.7	3.33	435	0.97	0.93	5.0	42.2
TCD902		627	11.05	19.05	0.20	2.9	0.042	1.78	137.5	26.2	3.89	550	0.90	1.24	5.6	56.4
TCD903		26.0	10.05	15.80	0.09	3.2	0.082	1.89	38.9	20.8	3.25	543	0.49	1.50	4.6	37.1
TCD904		85.4	8.98	16.20	0.08	2.9	0.048	2.44	35.1	21.0	2.33	529	0.92	1.02	5.0	42.0
TCD906		102.0	9.17	17.45	0.10	2.9	0.080	2.92	52.9	18.6	1.83	470	1.06	0.67	4.9	61.8
TCD907		239	10.15	16.40	0.22	1.8	0.065	1.70	187.0	8.3	3.30	596	1.57	0.05	3.4	112.5
TCD908		315	13.45	15.00	0.17	3.1	0.041	1.86	126.5	19.8	3.38	609	4.32	1.02	4.9	72.5
TCD909		167.5	11.70	15.50	0.17	2.6	0.092	1.43	40.4	17.4	3.82	662	0.59	1.47	4.5	67.8
TCD910		78.7	10.15	16.40	0.15	3.3	0.108	2.10	21.6	14.0	3.55	661	0.62	2.23	5.3	54.2
TCD911		104.5	10.95	16.90	0.21	3.1	0.159	2.70	29.5	12.5	3.93	648	0.51	1.78	4.4	53.0
TCD912		416	16.10	15.80	0.31	1.8	0.118	0.83	74.4	20.8	4.46	442	1.72	0.94	2.9	124.5
TCD913		69.5	9.31	17.65	0.20	3.8	0.020	2.47	72.7	28.6	3.26	465	1.13	1.39	6.5	48.0
TCD914		95.2	10.90	15.65	0.18	3.1	0.026	2.18	67.9	29.9	2.97	547	2.18	1.21	5.5	48.3
TCD915		94.5	7.61	15.15	0.10	3.9	0.028	3.06	27.1	28.9	2.93	420	0.42	1.37	6.5	32.0
TCD916		111.5	8.00	14.05	0.13	3.8	0.041	2.43	37.2	27.3	2.74	386	1.13	0.34	6.0	31.0
TCD917		150.0	9.03	14.35	0.11	4.3	0.042	4.04	34.6	34.5	3.30	496	0.93	0.94	6.9	29.8
TCD918		15.0	10.20	15.00	0.11	4.3	0.031	3.53	26.9	29.4	3.11	395	1.26	1.09	6.7	30.8
TCD919		12.0	9.15	14.10	0.14	4.2	0.025	5.96	35.9	23.1	2.81	366	0.82	0.41	7.4	41.5
TCD920		174.5	10.30	15.65	0.10	4.3	0.025	3.03	17.9	30.2	3.37	407	0.90	1.21	5.5	39.4



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
		ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.01	% 0.005	ppm 0.02
TCD880		450	1.8	155.0	<0.002	0.38	0.58	24.1	<1	1.5	204	0.43	0.07	8.74	0.346	0.27
TCD881		460	1.8	148.5	<0.002	0.20	0.59	24.4	<1	1.6	230	0.47	0.05	9.22	0.359	0.27
TCD882		470	2.1	134.0	<0.002	1.20	0.67	23.0	1	1.4	174.5	0.41	0.17	8.93	0.344	0.23
TCD883		750	4.0	186.5	0.002	0.51	1.71	22.1	<1	2.8	157.0	0.40	0.08	10.95	0.344	0.43
TCD884		620	2.5	164.5	0.003	0.86	0.69	26.7	1	2.6	177.5	0.39	0.15	10.85	0.378	0.31
TCD885		470	2.0	152.0	0.002	0.36	0.67	23.7	<1	1.4	201	0.43	0.05	8.66	0.356	0.24
TCD886		520	1.9	159.0	0.002	0.34	0.85	22.2	1	1.4	197.5	0.45	<0.05	7.99	0.356	0.29
TCD887		500	7.3	161.5	0.004	1.39	0.75	25.3	<1	1.6	182.5	0.49	0.30	8.53	0.372	0.27
TCD888		500	3.9	132.5	0.002	1.04	0.73	23.3	<1	1.3	188.5	0.44	0.20	8.17	0.354	0.20
TCD889		490	4.1	109.0	0.002	0.59	0.78	22.2	<1	1.3	203	0.42	0.08	7.90	0.354	0.19
TCD890		480	2.1	110.5	0.003	0.28	0.69	20.6	<1	1.6	180.0	0.38	0.07	8.01	0.344	0.18
TCD891		340	2.3	164.5	<0.002	0.15	0.90	19.6	<1	1.5	181.5	0.36	<0.05	9.00	0.341	0.36
TCD892		910	2.8	113.0	<0.002	0.34	0.78	25.7	<1	1.9	166.5	0.45	<0.05	12.55	0.348	0.22
TCD893		670	2.0	144.5	<0.002	0.21	0.70	25.6	<1	2.0	194.0	0.36	0.05	10.80	0.340	0.28
TCD894		630	1.8	198.0	<0.002	0.15	0.96	26.6	<1	1.9	140.0	0.37	<0.05	11.95	0.357	0.34
TCD895		590	2.0	171.0	<0.002	0.43	0.76	23.8	<1	2.0	205	0.41	0.06	10.20	0.348	0.31
TCD896		1850	2.4	137.5	0.002	0.26	1.13	23.3	<1	2.4	156.5	0.45	0.06	10.75	0.360	0.24
TCD897		500	1.9	152.0	0.002	0.41	1.61	25.1	<1	1.8	140.0	0.41	0.05	12.30	0.338	0.27
TCD898		610	2.7	179.0	<0.002	0.24	1.81	24.5	<1	1.8	119.5	0.41	0.09	9.26	0.380	0.31
TCD899		490	2.4	181.5	0.002	0.20	2.15	24.4	<1	2.1	158.5	0.41	0.05	7.85	0.349	0.31
TCD900		610	2.6	138.0	0.002	0.11	2.46	22.3	<1	1.7	132.5	0.37	<0.05	12.75	0.351	0.24
TCD901		2570	5.3	137.0	<0.002	0.13	2.84	21.8	<1	2.3	79.1	0.34	<0.05	18.50	0.319	0.26
TCD902		3900	8.6	113.0	0.002	0.21	2.75	22.9	<1	2.6	150.0	0.34	0.05	19.25	0.323	0.22
TCD903		1290	2.5	108.5	<0.002	0.12	3.56	23.9	<1	2.5	183.0	0.33	<0.05	12.10	0.315	0.23
TCD904		620	2.8	145.5	<0.002	0.28	11.65	18.9	<1	2.1	89.9	0.36	<0.05	9.54	0.311	0.32
TCD906		2040	3.7	170.0	<0.002	0.81	17.10	24.1	<1	2.8	89.0	0.34	0.05	15.05	0.300	0.34
TCD907		4040	10.9	102.0	0.002	1.81	22.5	15.4	1	2.5	107.5	0.22	0.31	12.10	0.199	0.20
TCD908		1240	6.7	90.9	0.003	1.85	6.23	19.3	<1	2.7	131.5	0.37	0.22	11.35	0.256	0.20
TCD909		4090	4.7	69.4	<0.002	0.47	1.51	20.9	<1	3.1	186.5	0.32	0.10	22.2	0.282	0.17
TCD910		2190	2.3	111.0	0.003	0.16	1.15	23.1	<1	3.9	219	0.39	0.05	19.35	0.300	0.22
TCD911		2830	2.3	122.5	<0.002	0.16	1.41	22.3	<1	3.5	244	0.33	<0.05	20.1	0.280	0.24
TCD912		>10000	3.2	41.2	0.002	0.91	1.45	21.0	1	3.6	116.5	0.19	0.21	48.5	0.233	0.08
TCD913		810	2.6	109.0	<0.002	0.60	0.94	24.7	<1	2.2	192.0	0.44	0.11	11.75	0.329	0.20
TCD914		1250	3.4	116.0	<0.002	2.22	1.07	20.2	<1	1.9	184.0	0.38	0.17	9.73	0.310	0.24
TCD915		710	2.7	168.5	<0.002	0.13	1.47	24.3	<1	1.9	145.0	0.51	<0.05	9.93	0.333	0.33
TCD916		460	6.9	157.0	0.002	0.15	9.80	20.8	<1	2.1	46.7	0.45	<0.05	8.27	0.323	0.29
TCD917		490	3.4	169.5	<0.002	0.22	1.63	23.6	<1	3.0	143.0	0.49	<0.05	8.91	0.351	0.32
TCD918		480	2.5	164.5	0.002	0.15	1.27	23.7	1	3.0	179.5	0.48	<0.05	9.01	0.362	0.30
TCD919		460	2.8	159.0	0.002	0.25	1.11	24.1	<1	3.1	131.0	0.50	0.07	9.32	0.343	0.32
TCD920		530	3.8	140.5	<0.002	0.38	1.31	23.5	<1	3.2	198.0	0.47	0.06	8.33	0.352	0.25



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Project: Thomas Creek

CERTIFICATE OF ANALYSIS BU19028743

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		U	V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.1	0.1	2	0.5
TCD880		2.6	179	0.5	16.1	23	141.0
TCD881		2.5	203	0.8	17.4	28	138.5
TCD882		2.7	195	1.0	8.8	32	141.5
TCD883		5.1	132	2.8	20.5	21	166.0
TCD884		4.7	154	2.1	25.5	27	171.0
TCD885		2.7	193	0.7	8.5	30	154.0
TCD886		2.4	177	1.0	10.6	41	152.0
TCD887		2.9	185	1.2	14.7	33	156.5
TCD888		2.1	175	0.8	10.4	28	152.0
TCD889		2.0	167	0.6	8.4	28	149.5
TCD890		2.5	175	1.1	10.1	27	125.5
TCD891		2.8	268	2.7	9.0	82	136.5
TCD892		2.8	402	1.5	21.3	54	124.5
TCD893		2.8	412	1.0	18.6	28	82.7
TCD894		2.3	437	0.9	18.0	31	88.0
TCD895		2.5	282	0.9	22.5	23	117.5
TCD896		2.9	357	1.2	37.4	30	145.5
TCD897		2.6	248	1.0	25.0	33	141.0
TCD898		7.8	237	2.9	14.5	62	133.0
TCD899		4.9	289	1.3	30.5	40	144.0
TCD900		3.1	475	1.2	18.7	38	148.5
TCD901		3.1	690	1.6	34.3	67	115.5
TCD902		2.9	428	1.1	50.7	74	106.0
TCD903		2.0	404	1.7	40.9	59	119.0
TCD904		3.2	279	2.0	23.8	61	103.5
TCD906		2.9	375	3.3	33.5	56	98.6
TCD907		3.1	328	6.5	41.3	61	64.8
TCD908		5.2	298	2.1	32.1	76	110.5
TCD909		3.1	458	1.9	51.9	62	93.2
TCD910		3.3	459	2.2	54.4	42	116.5
TCD911		3.4	506	1.8	60.5	37	108.5
TCD912		5.0	629	3.2	96.7	27	60.8
TCD913		2.6	361	0.8	22.7	44	137.0
TCD914		2.2	378	1.0	18.9	54	115.5
TCD915		2.6	180	1.2	23.7	41	140.5
TCD916		3.3	158	3.5	17.1	45	138.5
TCD917		3.7	163	5.9	21.6	44	154.5
TCD918		3.6	183	2.3	24.2	33	157.0
TCD919		3.6	161	2.5	25.9	31	153.5
TCD920		3.5	170	3.3	23.7	34	152.5

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Finalized Date: 5-MAR-2019

Account: ACCELE

Project: Thomas Creek

CERTIFICATE OF ANALYSIS BU19028743

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	PUL-QC Pass75um % 0.01	Au-AA25 Au ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
TCD921		3.37		0.01	0.02	7.18	8.4	1080	1.17	0.10	1.86	<0.02	52.6	30.7	111	2.84
TCD922		2.27		<0.01	0.01	7.13	9.4	1120	1.35	0.12	1.34	<0.02	37.2	46.2	109	2.70
TCD923		1.97		0.01	0.03	7.59	7.3	1410	1.06	0.16	1.51	<0.02	66.5	49.3	105	3.76
TCD924		3.76		0.01	0.05	7.30	12.4	1610	0.88	0.43	1.24	<0.02	65.1	63.2	99	2.98
TCD925		4.29		0.01	0.06	7.22	6.1	1520	0.90	0.12	1.92	<0.02	136.0	39.4	98	4.20
TCD926		4.17		0.05	0.31	7.15	54.9	220	0.81	1.16	1.46	0.02	114.0	229	112	2.55
TCD927		3.82		0.01	0.08	7.50	11.1	430	1.16	0.19	1.83	<0.02	90.3	51.7	105	5.76
TCD928		4.15		0.01	0.11	8.06	17.9	700	1.35	0.51	1.89	<0.02	54.8	76.3	75	4.45
TCD929		4.40		<0.01	0.07	7.72	9.2	770	1.32	0.17	1.72	<0.02	68.0	50.5	87	4.21
TCD930		3.99		0.02	0.14	7.38	10.9	710	1.35	0.30	1.55	<0.02	67.6	72.4	90	3.24
TCD931		4.19		0.01	0.09	7.51	8.7	790	1.11	0.10	2.36	0.03	52.2	36.2	75	3.70
TCD932		3.88		0.01	0.10	7.94	6.3	930	1.20	0.09	2.07	<0.02	63.8	48.0	55	3.14
TCD933		3.93		<0.01	0.07	7.83	6.5	730	1.21	0.08	2.70	0.02	58.0	37.8	53	3.07
TCD934		4.06		<0.01	0.10	7.29	6.5	1710	1.03	0.13	1.41	<0.02	72.2	46.8	66	3.78
TCD935		2.25		0.01	0.07	7.31	7.9	2370	0.97	0.13	1.02	<0.02	74.6	73.2	78	4.98
TCD936		3.89		0.08	0.04	7.15	6.8	1870	1.14	0.11	1.07	<0.02	59.5	51.0	94	5.07
TCD937		4.52		<0.01	0.03	7.69	8.9	1190	1.23	0.20	1.51	<0.02	98.5	36.7	95	3.75
TCD938		4.06		<0.01	0.03	7.23	8.6	570	1.41	0.28	1.31	<0.02	68.1	30.0	69	2.79
TCD939		4.09		0.03	0.04	7.25	8.9	1050	1.15	0.22	1.29	<0.02	64.8	36.4	72	2.50
TCD940		4.38		<0.01	0.05	7.34	8.8	930	1.15	0.29	1.42	<0.02	84.6	48.1	79	3.67
TCD941		4.37		0.01	0.09	7.23	9.1	650	1.12	0.23	1.80	<0.02	66.7	66.8	80	4.53
TCD942		3.56		0.02	0.05	7.30	7.8	670	1.20	0.20	1.87	0.02	69.5	30.3	81	3.90
TCD943		3.92		<0.01	0.04	7.06	8.0	460	1.26	0.18	1.59	<0.02	75.0	31.0	73	2.77
TCD944		4.10		0.02	0.04	7.06	6.8	1050	1.28	0.15	1.32	<0.02	74.0	31.7	109	2.81
TCD945		3.91		0.02	0.05	7.07	6.5	1770	1.35	0.15	1.02	<0.02	82.9	53.9	92	2.00
TCD946		4.12		<0.01	0.02	6.98	6.4	1100	1.37	0.11	1.25	<0.02	89.9	44.3	117	2.48
TCD947		4.21		0.02	0.02	7.32	5.5	910	1.37	0.10	1.55	<0.02	84.4	43.0	101	4.25
TCD948		4.49		0.01	0.06	7.06	7.5	730	1.09	0.09	1.48	<0.02	60.7	18.7	95	3.08
TCD949		3.32		<0.01	0.02	7.19	7.0	570	1.32	0.10	1.42	<0.02	109.0	84.0	105	2.40
TCD950		3.98		<0.01	0.03	6.90	6.4	440	1.28	0.14	1.63	<0.02	50.3	79.6	115	3.04
TCD951		4.74		0.01	0.02	7.63	6.7	690	1.24	0.09	1.82	<0.02	58.9	53.8	76	3.61
TCD952		3.45		0.01	0.09	7.25	5.7	660	1.38	0.09	1.56	0.03	96.0	55.3	94	3.32
TCD953		1.16		0.04	0.20	8.14	8.2	990	1.36	0.21	1.44	0.05	23.1	46.6	24	1.92
TCD954		2.22		0.02	0.10	8.11	8.4	1320	1.40	0.20	1.64	0.04	105.0	20.5	32	2.07
TCD955		1.93		0.03	0.14	8.30	7.9	1030	1.49	0.21	1.67	0.04	90.8	12.7	27	1.40
TCD956		2.08		0.02	0.12	8.63	8.8	1020	2.07	0.30	1.86	0.04	110.0	34.7	23	2.12
TCD957		1.02		<0.01	0.05	7.44	5.9	1510	2.19	0.17	0.97	<0.02	63.1	18.5	19	1.05
TCD958		1.95		0.01	0.09	7.49	6.0	1620	2.46	0.21	0.90	0.02	65.1	21.4	19	1.16
TCD959		1.82		0.01	0.11	7.10	5.0	1440	2.09	0.14	0.90	0.03	69.9	16.1	19	1.44
TCD960		2.21	80.7	0.01	0.07	7.27	5.3	1350	2.18	0.11	1.01	<0.02	51.2	14.3	24	1.09

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Project: Thomas Creek

CERTIFICATE OF ANALYSIS BU19028743

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
		0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1
TCD921		166.0	8.77	14.80	0.12	4.1	0.036	3.73	26.2	25.4	2.99	359	0.73	1.06	6.5
TCD922		43.5	9.68	15.10	0.11	4.0	0.031	3.49	18.4	28.0	3.10	432	1.22	1.08	5.3
TCD923		138.5	7.85	15.65	0.13	4.3	0.024	4.42	32.3	26.3	2.92	314	0.51	1.00	6.3
TCD924		176.0	8.33	14.05	0.12	4.0	0.025	5.01	32.0	22.9	2.44	345	0.57	0.83	6.5
TCD925		414	9.42	14.10	0.19	3.3	0.039	4.65	69.6	23.6	3.04	469	2.76	0.85	6.4
TCD926		499	11.55	12.70	0.17	3.8	0.035	5.08	53.7	24.0	2.75	571	4.30	0.70	8.4
TCD927		456	11.15	16.60	0.16	3.1	0.038	2.90	47.3	30.9	3.41	461	2.61	1.33	5.9
TCD928		289	9.75	15.45	0.13	3.6	0.031	3.10	27.3	28.8	3.06	466	1.07	1.63	6.4
TCD929		209	9.83	14.95	0.13	3.5	0.033	3.03	33.7	29.1	3.15	629	0.92	1.30	6.4
TCD930		372	10.45	14.85	0.15	4.0	0.032	2.85	34.4	25.7	2.89	564	0.74	1.40	6.4
TCD931		213	9.29	15.35	0.14	3.5	0.042	2.45	25.7	24.1	3.13	490	0.91	1.53	5.9
TCD932		291	9.51	16.35	0.16	3.8	0.039	2.43	31.5	26.1	3.20	542	0.66	1.62	6.3
TCD933		150.0	8.54	16.35	0.13	3.8	0.054	2.38	28.8	20.5	3.14	447	0.69	1.79	6.5
TCD934		115.5	9.24	17.45	0.17	3.9	0.025	4.21	36.1	24.4	2.83	322	1.51	1.13	7.4
TCD935		381	10.10	18.15	0.15	4.5	0.032	5.68	33.4	21.4	2.53	252	4.71	0.86	8.3
TCD936		299	11.00	18.00	0.14	3.9	0.024	4.75	29.8	25.2	2.87	287	1.35	1.09	7.5
TCD937		63.7	9.77	17.35	0.16	4.4	0.029	3.57	52.0	31.5	2.96	472	1.12	1.48	7.0
TCD938		91.1	9.74	15.35	0.11	4.5	0.035	2.41	37.0	27.5	2.80	520	2.02	1.70	6.1
TCD939		185.0	9.57	14.40	0.09	4.4	0.036	3.29	35.2	29.4	2.94	620	0.83	1.44	6.5
TCD940		188.0	10.10	14.75	0.13	4.2	0.041	3.16	45.5	31.7	3.06	574	1.58	1.37	6.5
TCD941		345	9.37	14.20	0.13	4.0	0.027	2.67	35.4	28.8	2.86	443	1.56	1.46	6.3
TCD942		217	10.10	14.80	0.12	4.1	0.036	2.62	37.3	27.8	2.84	460	1.69	1.39	6.6
TCD943		106.5	8.41	14.60	0.15	4.3	0.034	2.28	39.7	31.6	2.91	525	0.80	1.50	6.4
TCD944		96.0	9.31	14.45	0.21	3.9	0.024	2.98	38.2	34.2	3.08	427	1.49	1.22	5.9
TCD945		84.9	9.82	14.05	0.18	4.1	0.029	4.56	42.5	28.3	2.84	424	1.74	1.00	5.9
TCD946		48.9	9.38	14.15	0.21	4.0	0.024	3.15	45.4	30.3	2.97	417	1.26	1.31	6.0
TCD947		59.8	9.21	14.50	0.18	3.9	0.018	3.16	43.3	29.4	2.78	317	0.90	1.41	6.0
TCD948		185.5	8.02	14.15	0.18	3.8	0.020	3.49	31.7	38.3	2.84	633	0.22	1.05	6.1
TCD949		50.2	8.90	14.90	0.19	4.0	0.019	2.47	56.5	31.4	2.90	386	1.50	1.56	6.0
TCD950		61.5	10.20	15.05	0.15	4.0	0.016	2.17	25.2	30.3	2.91	373	1.90	1.41	6.3
TCD951		85.3	9.34	14.70	0.15	2.9	0.013	2.46	29.3	38.6	3.02	370	0.99	1.53	5.3
TCD952		353	8.98	15.25	0.16	3.7	0.015	2.34	48.5	40.3	2.78	328	1.35	1.57	6.4
TCD953		1415	6.26	16.30	0.15	4.6	0.031	3.65	9.1	37.8	2.25	582	1.10	2.16	9.6
TCD954		876	7.12	16.95	0.19	4.5	0.030	4.50	54.0	32.7	2.10	632	1.26	1.62	8.4
TCD955		932	6.34	17.45	0.15	4.7	0.026	4.15	47.3	35.5	2.07	637	0.99	1.90	8.6
TCD956		1025	6.62	19.30	0.18	4.9	0.030	4.03	56.6	40.1	2.00	616	1.31	1.98	9.2
TCD957		229	3.63	15.40	0.14	3.9	0.016	5.30	31.2	23.1	1.15	425	0.37	1.43	10.4
TCD958		246	2.94	15.85	0.16	4.1	0.016	5.97	33.1	20.9	1.07	381	0.30	1.38	11.6
TCD959		396	2.94	14.65	0.16	3.8	0.017	4.80	36.2	20.0	1.02	376	2.36	1.23	11.5
TCD960		198.0	3.76	14.65	0.15	3.7	0.012	5.69	25.6	19.4	1.22	332	0.81	1.22	10.6



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Project: Thomas Creek

CERTIFICATE OF ANALYSIS BU19028743

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005
TCD921		470	2.3	139.0	<0.002	0.11	1.16	22.9	<1	3.2	186.5	0.49	<0.05	9.28	0.349
TCD922		530	2.2	134.0	<0.002	0.21	1.18	23.0	<1	3.3	178.5	0.47	0.06	8.36	0.341
TCD923		490	2.3	158.5	<0.002	0.37	1.07	24.7	<1	3.4	182.5	0.48	0.09	9.71	0.357
TCD924		430	4.4	164.5	<0.002	0.89	1.03	23.5	<1	3.1	170.5	0.44	0.25	8.77	0.341
TCD925		450	3.5	164.5	<0.002	0.23	0.84	26.9	<1	3.4	172.0	0.42	0.11	8.56	0.323
TCD926		640	26.5	151.0	0.008	3.44	1.33	21.3	<1	5.1	140.5	0.49	1.22	8.59	0.350
TCD927		560	3.9	191.5	0.002	0.35	1.07	29.8	<1	4.3	221	0.39	0.10	8.78	0.357
TCD928		590	14.1	169.5	0.002	1.41	1.03	24.8	<1	3.4	247	0.50	0.46	9.99	0.359
TCD929		540	4.3	167.0	<0.002	0.55	0.97	25.2	<1	3.9	221	0.47	0.11	8.67	0.354
TCD930		470	13.6	150.5	0.002	1.04	1.13	24.9	<1	3.6	221	0.47	0.28	8.67	0.345
TCD931		470	2.7	134.0	<0.002	0.24	0.74	27.3	<1	3.6	223	0.44	0.10	8.70	0.337
TCD932		510	3.0	122.5	<0.002	0.33	0.68	26.0	<1	4.0	223	0.46	0.07	9.20	0.360
TCD933		530	3.4	126.0	<0.002	0.22	0.70	26.3	<1	3.7	246	0.49	0.06	9.35	0.360
TCD934		550	4.2	149.5	<0.002	0.71	0.73	27.6	<1	3.2	175.5	0.46	0.12	8.75	0.319
TCD935		990	2.4	203	0.003	0.61	0.72	26.9	<1	4.8	158.0	0.45	0.14	5.32	0.344
TCD936		590	2.1	186.5	<0.002	0.46	0.70	24.7	<1	4.4	146.5	0.44	0.14	7.54	0.347
TCD937		500	2.1	151.0	<0.002	0.22	0.97	24.3	<1	3.2	176.0	0.49	0.08	9.42	0.358
TCD938		490	2.1	137.5	<0.002	0.18	0.94	21.9	<1	2.6	163.5	0.47	<0.05	8.40	0.351
TCD939		530	2.2	148.5	0.002	0.19	0.86	22.8	<1	2.9	146.0	0.48	0.07	7.93	0.354
TCD940		510	2.3	157.5	0.002	0.28	0.94	23.9	<1	3.3	167.0	0.47	0.08	9.32	0.357
TCD941		500	2.0	155.0	0.002	0.37	0.75	23.7	<1	3.0	174.0	0.47	0.17	8.84	0.351
TCD942		470	2.5	147.5	0.002	0.18	0.80	24.2	<1	3.0	184.0	0.47	0.07	8.52	0.353
TCD943		490	1.9	141.0	<0.002	0.13	0.92	21.8	<1	2.9	172.0	0.43	<0.05	8.95	0.354
TCD944		450	1.8	124.0	<0.002	0.16	0.78	21.6	<1	3.2	143.5	0.42	0.07	8.48	0.339
TCD945		460	2.4	153.5	0.002	0.28	0.81	22.1	<1	3.6	149.0	0.41	0.07	9.36	0.340
TCD946		470	2.2	131.5	0.002	0.20	0.83	22.4	<1	3.7	154.5	0.40	0.06	9.54	0.338
TCD947		420	1.8	163.5	<0.002	0.22	0.77	23.5	<1	3.6	189.0	0.42	<0.05	9.62	0.338
TCD948		400	2.1	169.5	<0.002	0.07	0.88	23.4	<1	2.4	165.0	0.39	<0.05	9.52	0.301
TCD949		460	1.9	131.5	<0.002	0.37	0.81	23.2	<1	2.7	167.5	0.42	<0.05	9.15	0.331
TCD950		410	1.9	134.0	<0.002	0.44	0.72	22.4	<1	2.7	172.0	0.42	0.05	7.91	0.337
TCD951		540	2.6	128.5	<0.002	0.29	0.59	24.9	<1	2.2	221	0.35	0.06	8.80	0.334
TCD952		440	3.0	96.0	<0.002	0.42	0.49	22.8	<1	2.9	177.5	0.42	0.08	9.88	0.346
TCD953		710	4.5	152.0	<0.002	0.53	0.71	15.6	<1	5.4	215	0.60	0.07	10.10	0.436
TCD954		660	5.2	194.5	<0.002	0.24	0.72	20.0	<1	2.0	217	0.56	0.09	10.75	0.431
TCD955		670	2.4	177.5	<0.002	0.15	0.81	18.0	<1	1.9	197.0	0.60	0.08	10.30	0.436
TCD956		720	3.1	198.0	<0.002	0.37	0.84	17.3	<1	2.0	220	0.62	0.18	11.70	0.456
TCD957		540	2.6	210	<0.002	0.17	0.57	9.2	<1	2.0	148.0	1.05	0.07	17.80	0.249
TCD958		530	4.0	204	<0.002	0.21	0.51	8.8	<1	1.8	155.5	1.18	0.11	21.0	0.219
TCD959		530	2.6	197.5	<0.002	0.19	0.61	8.3	<1	1.8	137.0	1.17	0.07	19.75	0.213
TCD960		540	3.2	200	<0.002	0.17	0.69	10.0	<1	1.7	207	1.04	0.06	18.75	0.228

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



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Project: Thomas Creek

CERTIFICATE OF ANALYSIS BU19028743

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		U	V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.1	0.1	2	0.5
TCD921		3.4	160	5.1	26.1	27	150.5
TCD922		3.3	182	5.2	24.3	38	150.5
TCD923		3.2	174	4.2	23.9	27	156.5
TCD924		3.4	156	4.7	19.4	32	149.0
TCD925		3.5	195	1.3	29.5	46	118.5
TCD926		5.3	150	12.9	31.4	67	140.0
TCD927		2.6	218	2.2	23.8	51	110.5
TCD928		3.1	190	2.1	19.2	54	133.0
TCD929		3.0	180	2.3	20.6	68	124.0
TCD930		3.7	171	2.6	20.9	61	149.0
TCD931		2.9	203	2.4	22.2	55	125.0
TCD932		3.1	215	2.9	25.3	67	138.0
TCD933		3.2	224	2.3	26.1	39	137.5
TCD934		4.1	268	2.0	25.7	30	140.0
TCD935		4.8	330	2.9	30.0	21	159.5
TCD936		4.9	264	2.0	24.3	23	147.5
TCD937		4.9	185	2.5	22.9	35	162.0
TCD938		5.9	171	1.6	16.5	40	161.0
TCD939		4.6	166	2.1	19.5	47	162.0
TCD940		4.4	175	2.7	22.2	44	152.0
TCD941		4.2	171	1.9	21.4	34	145.0
TCD942		4.3	180	1.7	22.6	35	152.5
TCD943		3.7	151	1.8	22.2	43	156.5
TCD944		3.2	156	1.7	23.0	37	145.0
TCD945		3.4	154	2.7	25.8	35	152.0
TCD946		2.9	151	1.8	27.8	34	146.5
TCD947		2.8	172	1.5	22.9	25	139.0
TCD948		3.3	175	8.5	18.6	57	136.0
TCD949		3.1	163	2.4	20.0	38	148.5
TCD950		3.1	163	1.4	12.1	32	145.5
TCD951		2.5	198	1.1	18.7	37	102.0
TCD952		3.5	162	1.1	19.4	32	130.0
TCD953		6.3	170	2.0	62.1	57	166.5
TCD954		6.1	183	2.0	24.2	45	170.0
TCD955		6.6	174	4.6	22.8	50	172.5
TCD956		7.8	191	8.9	23.9	54	186.0
TCD957		8.2	83	3.4	16.7	42	136.0
TCD958		8.8	66	3.3	17.5	38	138.0
TCD959		7.7	68	1.7	23.3	37	131.0
TCD960		8.8	83	1.4	17.2	34	127.5



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CERTIFICATE OF ANALYSIS BU19028743

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	PUL-QC Pass75um %	Au-AA25 Au ppm	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm
		0.02	0.01	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
TCD961		1.52		<0.01	0.03	7.57	5.9	640	1.79	0.07	1.75	<0.02	35.6	49.1	72	3.70
TCD962		4.21		0.03	0.21	7.19	6.9	800	1.39	0.20	1.59	<0.02	66.5	49.8	62	2.27
TCD963		4.25		0.01	0.08	7.27	7.0	650	1.33	0.15	1.08	<0.02	62.7	64.6	112	2.13
TCD964		3.75		0.02	0.11	7.23	6.6	620	1.43	0.13	0.92	<0.02	92.3	37.5	103	2.33
TCD965		4.42		0.13	0.21	7.29	6.6	770	1.49	0.21	1.23	0.02	71.2	50.9	91	2.30
TCD966		4.05		0.02	0.07	7.00	6.8	910	1.39	0.13	0.91	<0.02	80.4	49.4	91	1.88
TCD967		4.29		0.03	0.13	7.10	6.7	1190	1.16	0.17	0.86	<0.02	82.2	39.5	86	1.47
TCD968		1.38		0.03	0.18	7.26	6.2	1170	1.22	0.15	0.75	<0.02	88.3	51.7	78	1.28
TCD969		1.64		<0.01	0.09	8.26	5.5	2470	0.70	0.07	0.67	0.03	33.8	13.1	10	1.12
TCD970		4.44		0.01	0.14	7.03	6.2	1950	0.96	0.15	0.67	0.06	73.4	39.7	81	1.61
TCD971		3.44		0.01	0.23	7.10	5.9	900	1.37	0.26	1.46	0.02	86.8	65.5	98	3.60
TCD972		3.76		0.01	0.24	6.95	5.8	550	1.31	0.19	1.14	0.02	84.1	50.7	84	1.59
TCD973		4.37		0.01	0.12	7.05	6.4	800	1.20	0.17	1.03	0.03	63.2	40.9	91	1.52
TCD974		4.04		<0.01	0.04	6.99	6.7	980	1.20	0.19	0.98	<0.02	78.4	35.1	89	1.60
TCD975		4.04		<0.01	0.06	6.81	6.8	1310	1.04	0.19	0.94	<0.02	64.1	41.3	67	1.89
TCD976		3.53		<0.01	0.09	7.88	5.9	1360	1.20	0.11	1.51	<0.02	115.0	33.0	74	2.91
TCD977		3.96		<0.01	0.04	8.16	6.8	1170	1.07	0.11	1.75	<0.02	305	17.7	68	2.89
TCD978		4.46		<0.01	0.03	7.12	6.1	2080	0.94	0.15	0.82	<0.02	146.5	27.6	81	1.58
TCD979		3.74		<0.01	0.04	7.07	7.5	1490	1.04	0.15	1.11	<0.02	75.2	45.8	77	1.72
TCD980		4.29		<0.01	0.05	7.06	6.4	1340	0.89	0.18	1.02	<0.02	64.3	44.9	90	1.63
TCD981		4.03		<0.01	0.06	7.27	5.9	820	1.27	0.15	1.42	<0.02	59.8	39.7	106	4.14
TCD982		3.46		<0.01	0.03	7.03	5.6	1040	1.23	0.12	1.10	<0.02	46.4	26.2	72	2.44



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CERTIFICATE OF ANALYSIS BU19028743

Sample Description	Method Analyte Units LOD	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2
TCD961		78.7	9.37	15.50	0.14	2.6	0.011	2.38	17.4	34.4	2.79	381	1.77	1.53	6.3	20.9
TCD962		308	8.52	14.85	0.14	3.7	0.033	3.00	33.3	29.0	2.86	423	3.89	1.64	5.8	28.4
TCD963		130.5	8.87	14.45	0.14	4.0	0.019	2.48	33.5	28.7	2.98	421	1.22	1.83	6.0	39.2
TCD964		334	8.94	15.35	0.15	4.0	0.029	1.98	48.0	34.5	3.41	498	0.87	2.03	6.1	31.7
TCD965		605	8.98	15.00	0.14	4.3	0.017	2.18	36.0	30.4	3.04	439	2.03	1.80	6.3	27.9
TCD966		116.0	9.25	14.65	0.15	4.1	0.026	2.63	42.4	29.6	2.99	518	3.15	1.69	6.0	22.4
TCD967		167.5	10.00	14.45	0.15	4.4	0.025	3.65	43.3	30.4	2.85	559	2.21	1.43	6.2	24.1
TCD968		100.0	8.85	14.95	0.16	4.0	0.020	3.69	46.8	27.8	2.56	532	1.59	1.88	6.2	23.7
TCD969		168.0	5.53	12.55	0.16	4.4	0.018	5.84	14.7	20.5	1.65	584	0.59	0.18	6.4	14.9
TCD970		201	8.48	14.25	0.19	3.9	0.016	5.63	37.7	27.4	2.68	497	1.11	0.60	5.8	20.4
TCD971		211	10.10	14.60	0.18	2.8	0.025	2.91	42.4	36.6	3.27	350	1.03	1.21	5.1	32.8
TCD972		487	9.26	13.70	0.15	3.3	0.035	2.15	45.9	35.6	2.93	550	2.68	2.03	4.9	25.7
TCD973		199.5	9.67	14.00	0.15	3.7	0.030	2.90	32.7	31.0	2.73	545	2.19	1.89	5.8	22.2
TCD974		77.7	9.73	14.15	0.16	4.2	0.034	3.27	38.6	26.6	2.54	461	2.15	1.66	6.0	19.9
TCD975		82.1	9.08	13.95	0.15	4.2	0.028	4.00	32.3	27.2	2.55	427	3.75	1.11	5.7	19.3
TCD976		141.5	8.97	16.15	0.18	2.8	0.041	4.09	57.8	30.4	3.05	290	2.34	1.40	5.5	22.6
TCD977		58.8	7.33	18.40	0.29	2.6	0.026	4.24	169.0	36.9	2.73	440	11.95	1.15	5.6	18.1
TCD978		44.0	8.15	15.35	0.19	4.0	0.023	5.75	81.4	31.6	2.50	453	4.63	0.62	5.9	18.6
TCD979		113.0	8.57	14.90	0.21	4.0	0.030	5.05	40.7	38.0	2.84	524	1.27	0.68	6.1	23.6
TCD980		56.2	9.11	13.55	0.17	4.0	0.024	4.90	35.2	34.2	2.48	573	1.81	0.77	5.6	22.6
TCD981		149.0	9.99	14.80	0.15	3.5	0.023	3.17	31.7	41.1	3.01	438	1.08	1.13	5.5	26.6
TCD982		61.3	8.84	14.15	0.13	4.4	0.023	3.60	23.5	38.5	2.51	439	1.98	1.30	6.1	19.4



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Sample Description	Method Analyte Units LOD	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02
TCD961		530	1.7	133.5	<0.002	0.32	0.67	25.1	<1	2.7	200	0.45	0.09	9.89	0.318	0.23
TCD962		480	6.4	135.0	0.002	0.64	0.70	23.4	<1	3.4	177.0	0.40	0.17	8.57	0.329	0.24
TCD963		460	2.0	142.5	<0.002	0.46	0.82	20.8	<1	3.2	168.0	0.42	0.14	8.47	0.353	0.24
TCD964		460	3.3	115.0	<0.002	0.17	0.78	22.3	<1	3.4	135.0	0.40	0.10	9.26	0.343	0.19
TCD965		480	3.2	111.5	<0.002	0.33	0.81	22.1	<1	3.3	148.5	0.44	0.13	9.63	0.353	0.20
TCD966		430	2.0	137.5	<0.002	0.23	0.84	21.3	<1	3.1	156.0	0.41	0.13	8.50	0.339	0.22
TCD967		460	2.2	166.0	<0.002	0.21	0.86	21.6	<1	3.0	178.0	0.45	0.12	10.10	0.357	0.26
TCD968		460	2.0	157.0	<0.002	0.25	0.73	19.7	<1	3.0	160.0	0.41	0.12	9.18	0.336	0.27
TCD969		470	3.2	180.0	<0.002	0.12	0.74	14.2	<1	4.4	89.3	0.46	<0.05	10.40	0.361	0.54
TCD970		430	3.4	181.5	0.002	0.36	0.70	18.6	<1	3.0	119.5	0.40	0.14	9.57	0.335	0.30
TCD971		480	3.8	119.0	<0.002	0.69	0.72	25.8	<1	3.5	162.5	0.32	0.34	8.44	0.337	0.20
TCD972		370	2.7	117.0	<0.002	0.54	0.96	23.0	<1	3.7	176.5	0.36	0.20	7.39	0.319	0.18
TCD973		420	3.3	149.0	<0.002	0.32	0.99	21.5	<1	3.3	182.0	0.39	0.12	8.19	0.339	0.22
TCD974		450	2.7	152.5	<0.002	0.21	0.97	21.0	<1	2.9	172.0	0.41	0.12	10.10	0.341	0.23
TCD975		410	2.4	154.0	<0.002	0.33	0.94	20.7	<1	2.9	150.5	0.41	0.16	9.09	0.328	0.24
TCD976		510	1.9	129.5	<0.002	0.32	0.82	23.7	<1	3.2	173.5	0.35	0.10	8.28	0.336	0.23
TCD977		480	2.7	192.5	0.002	0.11	1.17	22.2	<1	4.3	241	0.36	0.06	9.43	0.328	0.32
TCD978		410	2.1	227	<0.002	0.23	0.81	23.2	<1	2.8	185.5	0.44	0.09	9.86	0.334	0.36
TCD979		480	2.5	226	<0.002	0.35	0.95	22.2	<1	2.6	191.0	0.45	0.10	9.03	0.352	0.34
TCD980		440	2.7	234	<0.002	0.35	0.85	20.6	<1	2.3	180.0	0.43	0.15	8.51	0.325	0.36
TCD981		480	2.1	181.0	<0.002	0.27	0.75	24.2	<1	2.8	196.5	0.40	0.08	8.66	0.337	0.28
TCD982		470	2.3	187.5	<0.002	0.23	0.82	20.9	<1	2.3	185.0	0.47	0.08	9.22	0.347	0.29



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		U	V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.1	0.1	2	0.5
TCD961		2.9	217	1.0	11.7	34	96.0
TCD962		3.3	169	3.0	20.5	44	137.5
TCD963		3.4	152	1.5	17.4	44	146.5
TCD964		3.2	155	1.7	20.4	61	146.0
TCD965		3.5	149	1.7	19.6	47	156.0
TCD966		3.4	156	1.4	18.8	55	151.5
TCD967		3.7	165	2.2	17.3	57	156.0
TCD968		3.8	146	1.9	17.3	52	148.0
TCD969		10.2	149	3.7	46.2	54	157.0
TCD970		6.2	144	1.7	24.4	55	143.5
TCD971		2.5	192	1.5	21.6	38	103.5
TCD972		2.4	183	2.2	20.0	61	118.0
TCD973		2.8	170	1.7	20.2	61	136.5
TCD974		3.3	161	1.5	24.8	51	151.5
TCD975		3.2	153	1.8	24.1	46	152.5
TCD976		2.8	192	1.4	19.5	28	104.0
TCD977		5.9	196	1.5	22.1	42	91.4
TCD978		4.6	153	1.9	19.4	53	149.5
TCD979		4.6	157	1.3	23.2	55	143.5
TCD980		3.5	154	1.9	17.5	58	145.5
TCD981		3.1	183	1.2	20.8	43	128.5
TCD982		3.8	152	1.9	21.9	44	157.0



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	CERTIFICATE COMMENTS
	ANALYTICAL COMMENTS
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61
	ACCREDITATION COMMENTS
Applies to Method:	NATA Accreditation covers the performance of this service but does not cover the performance of ALS Perth Sample Preparation. Corporate Accreditation No: 825, Corporate Site No: 23001. The Technical Signatory is Wendy Wong, Senior QC Chemist Au-AA25 ME-MS61
	LABORATORY ADDRESSES
Applies to Method:	Processed at ALS Perth located at 31 Denninup Way, Malaga, Australia. Processed at ALS Perth Sample Preparation at 79 Distinction Road, Wangara, WA, Australia Au-AA25 ME-MS61 TRSPEC-20
Applies to Method:	Processed at ALS Burnie located at 39 River Road, Burnie, TAS, Australia. CRU-21 LEV-01 PUL-31b PUL-QC WEI-21