



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: ZENYATTA VENTURES LTD  
 1224 AMBER DRIVE  
 THUNDER BAY ON P7B 6M5

Page: 1  
 Finalized Date: 25-NOV-2013  
 Account: ZENVEN

**CERTIFICATE TB13201445**

Project: ALBANY GRAPHITE  
 P.O. No.:  
 This report is for 43 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 12-NOV-2013.  
 The following have access to data associated with this certificate:

GLEND A CAREY JEFF PINKSEN	AUBREY EVELEIGH MIKE ROBERTS	NAAZNIN PASTAKIA PETER WOOD
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES	
ALS CODE	DESCRIPTION
ME-MS61	48 element four acid ICP-MS
Au-AA23	Au 30g FA-AA finish <span style="float: right;">AAS</span>

To: ZENYATTA VENTURES LTD  
 ATTN: GLENDA CAREY  
 1224 AMBER DRIVE  
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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:   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TB13201445**

Sample Description	Method	WEI-21	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
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	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
N551651		2.40	0.12	7.53	2.0	170	0.70	0.10	7.97	0.19	13.00	39.5	144	0.65	115.5	7.49
N551652		2.05	0.28	6.64	2.0	280	0.78	0.23	5.88	0.52	15.35	72.3	66	0.98	239	10.40
N551653		2.68	0.25	6.54	2.1	170	0.77	0.23	8.37	0.31	12.45	39.9	103	0.76	144.5	11.45
N551654		2.44	0.40	6.92	1.6	500	1.31	0.84	4.28	0.11	41.4	42.7	96	3.07	442	14.15
N551655		1.05	0.40	6.46	1.4	470	1.29	0.82	3.88	0.09	41.6	43.3	91	2.97	429	14.00
N551656		3.61	0.09	7.81	1.0	930	1.84	0.05	1.87	0.07	63.2	23.5	96	2.92	48.4	4.87
N551657		3.60	0.08	7.63	1.2	700	1.54	0.07	2.31	0.11	62.1	21.9	107	3.52	45.4	4.91
N551658		3.86	0.15	7.38	1.4	310	1.02	0.15	5.69	0.16	24.6	39.5	115	1.19	70.0	7.50
N551659		3.84	0.13	7.27	1.3	220	0.84	0.12	6.22	0.23	17.85	37.7	44	0.61	34.5	7.27
N551660		2.35	0.09	7.50	1.0	260	0.77	0.05	4.68	0.15	17.05	38.5	43	0.73	35.1	6.42
N551661		3.36	0.12	7.19	1.3	590	1.64	0.20	3.77	0.09	14.40	19.1	36	1.30	24.7	5.04
N551662		3.18	0.19	6.78	0.7	130	0.71	0.25	6.73	0.21	13.30	35.1	88	0.69	56.4	9.11
N551663		2.56	0.25	6.42	1.7	110	0.87	0.63	7.01	0.17	13.00	29.7	87	1.07	37.9	8.60
N551664		2.71	0.52	6.21	1.7	210	0.84	0.90	5.61	0.44	25.8	42.0	81	1.01	221	13.20
N551665		3.32	0.66	4.78	1.8	220	0.96	0.92	3.98	0.29	23.0	77.3	40	1.24	415	17.40
N551666		1.03	0.03	7.71	<0.2	670	2.43	0.02	4.28	0.07	59.0	20.3	23	1.07	24.0	5.11
N551667		1.68	0.16	6.32	1.6	600	1.94	0.37	2.83	0.16	18.20	16.0	48	1.52	50.1	3.77
N551668		2.67	0.61	6.06	1.7	240	1.31	1.68	5.66	0.38	13.40	55.7	114	1.70	247	16.35
N551669		3.87	0.16	6.96	3.9	160	1.18	0.38	7.47	0.25	10.55	44.9	97	0.89	47.6	6.87
N551670		3.88	0.23	6.06	6.8	240	3.91	0.94	7.01	0.35	378	43.6	157	1.70	114.5	9.79
N551671		3.74	0.16	7.09	5.1	210	1.49	0.73	6.58	0.32	10.95	41.8	157	1.14	96.7	7.81
N551672		4.26	0.10	6.72	5.4	130	0.83	0.57	11.90	0.28	9.30	42.5	144	1.12	53.7	8.17
N551673		2.60	0.16	5.74	8.3	200	1.14	1.87	9.74	0.40	18.65	45.9	250	2.38	114.0	10.05
N551674		2.58	0.75	5.06	15.0	170	7.87	1.65	3.53	0.28	50.6	43.9	334	3.75	256	11.60
N551675		2.61	0.61	5.87	11.2	250	2.03	1.50	3.87	0.21	37.4	35.0	187	3.59	247	10.90
N551676		2.27	0.12	7.81	3.8	790	4.90	0.44	2.62	0.07	54.7	26.9	126	5.63	78.6	5.35
N551677		2.14	0.58	8.51	1.9	850	1.17	0.07	3.94	0.07	55.8	10.8	13	1.77	8.0	2.23
N551678		2.42	0.85	7.28	2.0	240	0.36	0.12	0.60	0.07	57.3	21.4	40	1.27	69.2	3.91
N551679		3.13	0.62	6.95	4.4	210	0.40	0.09	0.25	0.05	49.3	22.7	55	1.07	45.1	2.60
N551680		3.30	1.15	6.94	4.6	230	0.49	0.06	0.58	0.14	48.8	21.7	58	0.87	42.2	1.78
N551681		3.23	0.86	7.14	1.7	250	0.42	0.06	0.59	0.52	66.3	15.8	18	1.04	72.1	1.92
N551682		3.12	2.54	6.51	3.0	320	0.82	0.13	0.88	0.47	71.1	26.7	21	0.75	203	2.68
N551683		2.44	0.56	7.82	8.1	100	0.36	0.07	6.01	0.23	11.20	30.7	92	1.50	18.7	5.74
N551684		2.78	0.66	7.47	11.0	70	0.28	0.08	6.83	0.16	11.90	37.5	110	0.98	50.9	6.30
N551685		2.27	0.65	7.61	12.6	60	0.21	0.09	7.93	0.15	8.89	44.2	136	0.55	60.4	7.42
N551686		3.71	0.22	6.98	1.1	110	0.60	0.05	7.04	0.17	30.0	55.0	51	0.88	188.0	11.05
N551687		3.18	1.73	6.86	2.7	120	0.63	0.06	6.62	0.19	30.5	54.0	61	0.87	180.5	10.45
N551688		2.50	39.6	6.43	30.2	270	0.67	0.46	0.51	2.54	45.2	25.6	108	1.34	104.5	3.31
N551689		0.89	0.30	9.02	0.5	770	1.88	0.03	5.31	0.13	64.3	32.5	46	1.04	35.7	7.63
N551690		2.34	30.5	4.62	14.5	220	0.55	0.19	1.51	7.03	44.4	17.9	31	0.56	175.0	5.57



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Sample Description	Method Analyte Units LOR	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	
		Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
N551651		17.40	0.06	1.1	0.092	0.51	4.8	11.6	2.05	2230	0.72	1.92	6.3	59.9	370	6.4
N551652		14.70	0.06	1.3	0.093	1.01	6.7	15.6	2.54	2770	1.08	1.43	3.1	61.9	250	10.0
N551653		13.55	0.06	1.1	0.066	0.48	5.3	16.3	3.62	3910	1.07	0.66	2.5	60.6	260	10.4
N551654		15.95	0.10	1.9	0.053	1.06	20.6	30.7	2.70	3310	1.71	1.53	8.9	78.3	400	12.6
N551655		15.25	0.10	1.9	0.053	0.99	20.5	30.0	2.51	2770	1.31	1.45	7.7	78.6	430	12.2
N551656		20.3	0.10	3.8	0.045	2.16	29.5	59.9	1.50	705	2.25	2.48	9.9	65.6	690	19.6
N551657		18.80	0.11	3.5	0.041	1.81	29.2	52.8	1.62	774	2.44	2.33	7.9	62.5	690	20.2
N551658		17.35	0.07	1.7	0.059	0.91	12.0	25.0	2.73	2670	1.54	1.80	6.6	62.1	460	21.6
N551659		16.70	0.06	1.6	0.058	0.73	8.0	15.1	2.28	2990	0.80	2.04	3.9	52.6	330	44.5
N551660		16.50	0.05	1.3	0.049	1.33	7.9	17.4	1.97	2610	0.56	2.61	5.5	48.6	310	29.5
N551661		16.15	0.06	2.1	0.034	1.62	6.6	19.2	1.55	2030	0.82	2.71	9.1	29.5	230	25.5
N551662		14.65	0.06	1.1	0.069	0.48	5.7	17.6	3.48	3840	0.80	1.64	3.5	64.7	270	17.6
N551663		12.95	0.05	1.1	0.061	0.43	5.4	19.0	3.52	4320	0.69	1.35	5.2	58.8	290	67.0
N551664		14.55	0.11	1.0	0.106	0.58	10.3	18.9	2.96	3670	2.39	1.89	6.2	64.8	380	50.0
N551665		12.65	0.09	0.8	0.075	0.56	9.9	13.5	1.59	2040	4.20	1.47	4.8	94.9	320	19.1
N551666		23.2	0.16	2.8	0.073	1.90	22.8	20.0	1.51	833	0.64	2.70	10.8	17.5	1260	10.2
N551667		15.50	0.13	2.2	0.028	2.52	8.8	13.3	1.13	1060	1.48	2.53	9.9	29.0	140	41.4
N551668		15.20	0.09	1.3	0.147	0.71	6.2	23.5	2.82	4460	3.07	2.05	15.3	82.2	250	51.3
N551669		15.00	0.09	1.0	0.074	0.47	4.7	17.1	3.46	2290	0.84	2.35	12.6	70.5	280	42.7
N551670		16.55	0.32	0.9	0.095	0.97	210	29.5	2.55	3020	17.65	2.74	266	79.5	940	66.2
N551671		17.40	0.09	1.3	0.088	0.81	4.6	14.7	1.86	2400	4.47	2.51	26.7	96.0	300	33.0
N551672		15.60	0.08	1.1	0.079	0.49	3.9	15.8	2.16	3550	3.73	1.08	14.8	104.5	240	20.7
N551673		15.60	0.08	1.4	0.100	0.50	8.3	18.2	3.08	2570	12.40	1.01	13.4	172.0	380	45.5
N551674		13.50	0.14	1.4	0.073	0.92	19.9	103.5	4.48	1460	4.37	2.33	13.9	180.0	600	116.5
N551675		15.75	0.11	1.7	0.066	1.22	17.8	29.8	2.39	1150	22.4	1.92	18.0	100.5	530	123.0
N551676		20.5	0.14	3.1	0.042	2.21	26.2	51.6	1.77	834	4.89	3.15	23.4	75.7	560	41.9
N551677		21.6	0.15	2.9	0.019	1.10	22.9	21.0	0.93	331	0.22	3.12	4.0	21.9	930	20.0
N551678		19.50	0.14	3.9	0.045	3.02	27.5	23.8	0.64	180	0.86	0.44	8.0	35.5	730	18.4
N551679		18.15	0.12	3.5	0.031	2.64	24.0	22.9	0.43	107	2.06	0.25	5.7	43.8	600	15.8
N551680		17.90	0.14	2.8	0.023	3.29	23.6	20.6	0.25	98	2.41	0.70	12.8	43.8	530	23.4
N551681		18.75	0.16	3.4	0.024	3.02	32.3	21.1	0.33	99	1.21	0.65	5.9	16.8	780	22.1
N551682		17.00	0.15	3.8	0.025	2.57	35.0	17.3	0.53	151	3.01	0.61	2.7	24.4	590	29.4
N551683		17.40	0.11	1.0	0.048	1.22	4.7	24.8	4.04	972	0.21	0.93	1.3	63.5	620	20.5
N551684		16.05	0.11	1.0	0.052	0.77	4.6	16.4	4.35	1060	0.19	1.03	1.4	74.1	490	12.1
N551685		16.05	0.10	1.0	0.052	0.59	3.4	15.7	5.67	1280	0.17	1.05	1.4	93.3	220	10.1
N551686		19.20	0.10	3.2	0.086	0.31	13.7	4.9	3.56	1780	0.55	1.65	6.2	61.8	660	4.9
N551687		19.20	0.12	3.4	0.085	0.35	14.0	5.2	3.52	1700	0.56	1.59	6.0	61.8	650	14.8
N551688		17.30	0.12	3.3	0.031	2.49	22.1	15.3	0.78	187	5.53	0.58	1.4	59.1	740	200
N551689		24.6	0.18	2.5	0.098	1.64	26.7	14.4	2.51	1130	0.69	2.65	10.4	44.5	2060	9.0
N551690		11.35	0.11	2.4	0.047	1.25	22.4	11.6	0.75	418	3.71	0.65	2.7	44.5	500	220

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		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
N551651		15.1	0.002	0.74	0.13	42.5	1	0.9	179.5	0.19	0.07	0.7	0.568	0.10	0.3	271
N551652		37.0	0.003	2.62	0.14	30.3	3	1.3	151.0	0.18	0.22	1.3	0.326	0.25	0.6	173
N551653		19.1	0.003	1.75	0.29	37.5	2	0.7	273	0.12	0.10	0.8	0.357	0.26	0.3	216
N551654		57.8	0.004	4.12	0.37	27.9	2	1.3	227	0.36	0.16	4.7	0.339	0.50	1.3	164
N551655		54.2	0.004	4.28	0.35	26.7	2	1.2	208	0.32	0.13	4.5	0.313	0.49	1.2	152
N551656		77.6	<0.002	0.50	0.12	16.4	1	0.8	259	0.50	0.06	8.3	0.339	0.62	1.7	113
N551657		70.0	<0.002	0.45	0.15	15.6	1	0.8	235	0.50	0.06	8.3	0.336	0.57	1.8	109
N551658		38.6	<0.002	1.33	0.14	28.2	1	1.0	252	0.74	0.10	2.0	0.379	0.27	0.8	177
N551659		22.8	<0.002	0.75	0.11	33.3	1	0.9	243	0.27	0.06	1.2	0.394	0.15	0.6	199
N551660		34.2	<0.002	0.51	0.08	28.5	1	0.6	226	0.39	0.05	1.4	0.366	0.25	0.8	182
N551661		49.5	<0.002	0.75	0.18	17.8	1	0.7	247	0.31	0.07	2.5	0.256	0.44	1.2	109
N551662		19.1	<0.002	1.47	0.31	37.4	1	0.8	229	0.25	0.13	0.9	0.343	0.24	0.3	198
N551663		21.0	0.002	1.16	0.34	36.9	1	0.7	249	0.14	0.09	1.0	0.329	0.36	0.3	198
N551664		25.7	0.004	4.17	0.33	29.8	2	1.8	249	0.18	0.24	1.5	0.307	0.27	0.6	165
N551665		27.6	0.005	6.65	0.38	12.6	2	0.9	220	0.23	0.27	1.6	0.194	0.22	0.8	72
N551666		67.3	<0.002	0.17	0.06	17.5	2	1.8	488	0.56	<0.05	3.1	0.589	0.39	1.1	124
N551667		92.0	<0.002	1.12	0.22	15.3	1	0.5	177.0	0.36	0.05	3.6	0.164	0.60	1.4	83
N551668		31.3	0.006	4.86	0.64	32.9	3	1.9	180.5	0.73	0.36	2.5	0.339	0.42	2.1	200
N551669		16.6	<0.002	0.80	0.39	38.5	2	0.9	203	0.14	0.09	1.5	0.350	0.16	0.4	211
N551670		35.6	0.004	1.57	0.70	41.5	3	1.2	555	0.62	0.16	94.1	0.462	0.41	36.7	253
N551671		25.8	0.002	1.15	0.51	33.3	1	1.1	257	0.30	0.10	2.2	0.427	0.28	1.2	208
N551672		20.6	0.003	0.44	0.38	38.5	1	1.0	254	0.17	0.05	1.9	0.403	0.17	0.9	224
N551673		24.6	0.016	1.61	0.63	32.3	3	1.5	286	0.17	0.12	1.7	0.360	0.38	0.5	190
N551674		60.6	0.005	4.50	0.51	20.6	3	1.4	239	0.20	0.18	14.0	0.300	0.87	1.0	133
N551675		62.8	0.004	3.51	0.58	20.3	1	1.3	408	0.29	0.19	4.3	0.303	0.76	0.9	133
N551676		104.5	0.003	0.49	0.41	17.9	1	1.0	438	0.50	0.08	17.7	0.381	0.88	1.7	136
N551677		31.1	<0.002	0.19	0.22	4.0	<1	0.6	965	0.23	<0.05	3.9	0.211	0.37	1.1	39
N551678		78.5	<0.002	0.87	0.22	15.5	1	1.8	34.9	0.45	<0.05	6.2	0.398	0.97	0.9	100
N551679		69.8	<0.002	0.63	0.43	13.8	<1	1.6	18.8	0.41	<0.05	5.5	0.348	0.81	0.9	112
N551680		73.7	<0.002	0.34	0.35	11.6	1	1.4	20.7	0.33	<0.05	7.5	0.284	0.71	1.2	108
N551681		65.5	<0.002	0.50	0.29	11.7	1	1.5	18.9	0.30	<0.05	9.1	0.289	0.69	1.0	77
N551682		54.7	<0.002	1.04	0.35	9.2	1	1.3	92.1	0.22	<0.05	7.9	0.191	0.55	1.0	81
N551683		50.3	<0.002	0.09	1.08	40.2	1	1.1	79.0	0.10	<0.05	0.5	0.333	0.55	0.6	194
N551684		25.5	<0.002	0.02	1.10	43.7	1	0.9	88.4	0.11	<0.05	0.4	0.311	0.25	0.5	203
N551685		15.5	<0.002	0.01	1.59	47.5	1	0.5	89.6	0.11	<0.05	0.4	0.349	0.14	0.4	237
N551686		12.1	0.002	0.15	0.24	46.0	2	1.1	138.5	0.41	0.05	2.0	0.788	0.14	0.5	346
N551687		13.0	0.002	0.20	0.68	44.9	1	1.1	134.5	0.40	<0.05	2.1	0.756	0.16	0.6	336
N551688		64.1	<0.002	1.40	9.81	13.6	1	1.1	36.5	0.10	<0.05	4.3	0.169	0.75	0.8	112
N551689		79.2	<0.002	0.16	0.10	26.1	2	2.0	549	0.56	<0.05	2.5	0.988	0.34	1.1	186
N551690		35.1	<0.002	2.40	5.61	4.7	1	0.8	104.5	0.22	<0.05	3.8	0.149	0.56	0.9	56



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**CERTIFICATE OF ANALYSIS TB13201445**

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA23
		W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Au ppm 0.005
N551651		1.9	20.7	162	33.6	<0.005
N551652		1.0	14.2	279	43.1	<0.005
N551653		0.6	16.1	214	34.0	<0.005
N551654		1.2	16.2	128	62.7	<0.005
N551655		1.3	16.1	123	61.2	<0.005
N551656		1.0	10.5	82	130.5	<0.005
N551657		1.3	10.9	92	123.5	<0.005
N551658		1.2	15.0	127	58.3	<0.005
N551659		0.8	16.2	134	48.3	<0.005
N551660		0.7	14.2	108	44.5	<0.005
N551661		1.3	11.3	85	73.2	<0.005
N551662		0.7	15.6	149	35.2	<0.005
N551663		1.3	17.1	146	36.6	<0.005
N551664		0.8	16.0	237	34.3	<0.005
N551665		1.4	11.7	146	32.6	<0.005
N551666		0.2	31.8	89	110.5	<0.005
N551667		1.9	11.8	89	82.2	<0.005
N551668		7.7	21.9	322	37.3	<0.005
N551669		1.6	20.6	161	29.6	<0.005
N551670		7.6	47.0	244	25.3	<0.005
N551671		2.0	21.4	222	35.1	<0.005
N551672		2.0	24.4	169	33.0	<0.005
N551673		2.7	20.7	234	53.6	<0.005
N551674		4.5	34.6	202	56.9	<0.005
N551675		2.8	17.5	120	67.3	<0.005
N551676		4.4	28.8	100	117.5	<0.005
N551677		0.4	4.2	59	113.0	<0.005
N551678		1.2	9.7	36	161.0	<0.005
N551679		2.9	8.2	24	144.0	<0.005
N551680		5.3	9.3	27	118.0	<0.005
N551681		2.1	10.8	49	146.5	<0.005
N551682		1.8	9.1	66	151.0	0.017
N551683		0.3	17.0	84	34.3	<0.005
N551684		0.3	21.2	64	30.4	<0.005
N551685		0.1	19.3	66	31.9	<0.005
N551686		0.2	33.2	130	121.0	<0.005
N551687		0.3	32.2	131	121.5	<0.005
N551688		2.8	10.7	436	135.0	0.088
N551689		0.2	44.8	116	85.4	<0.005
N551690		1.3	9.2	1040	96.8	0.025



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Cu ppm	ME-MS61 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
N551691		2.25	17.20	6.61	18.1	240	0.80	0.22	2.43	0.63	51.1	21.1	46	1.48	154.5	6.61
N551692		2.50	13.05	7.42	17.2	290	1.06	0.12	3.22	0.54	48.4	20.4	44	1.58	58.2	4.82
N551693		2.30	3.88	7.94	8.5	340	2.00	0.08	4.68	0.36	54.8	18.0	28	2.35	26.0	4.84



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Sample Description	Method	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	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
N551691		17.15	0.13	3.8	0.045	2.01	24.9	31.5	1.66	1260	2.53	0.71	4.7	54.8	670	263
N551692		18.30	0.14	4.0	0.040	2.13	23.8	32.4	1.81	1000	1.54	0.67	8.8	29.5	800	248
N551693		21.5	0.15	3.7	0.042	2.11	25.1	42.5	1.80	1050	0.93	1.72	28.4	18.1	850	101.5

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



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**CERTIFICATE OF ANALYSIS TB13201445**

Sample Description	Method Analyte Units LOR	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
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1
N551691		70.2	<0.002	2.58	3.84	14.8	1	1.5	120.5	0.32	<0.05	5.3	0.316	1.03	1.3	91
N551692		78.2	<0.002	1.04	2.96	15.0	1	1.5	158.5	0.52	<0.05	9.0	0.331	0.88	1.6	93
N551693		68.7	<0.002	0.31	1.99	15.2	1	1.5	387	0.46	<0.05	10.4	0.322	1.00	1.5	110

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





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**CERTIFICATE OF ANALYSIS TB13201445**

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA23 Au ppm 0.005
N551691		1.7	14.7	247	154.0	0.015
N551692		1.8	21.2	208	161.5	0.008
N551693		2.1	24.9	178	150.5	<0.005



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<b>CERTIFICATE OF ANALYSIS TB13201445</b>
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	<b>CERTIFICATE COMMENTS</b>
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	<b>ANALYTICAL COMMENTS</b>												
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61												
	<b>LABORATORY ADDRESSES</b>												
Applies to Method:	Processed at ALS Thunder Bay located at 1160 Commerce Street, Thunder Bay, ON, Canada. <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-22</td> <td style="width: 15%;"></td> <td style="width: 5%;"></td> <td style="width: 10%;">PUL-31</td> </tr> <tr> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> <td></td> <td></td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-22			PUL-31	PUL-QC	SPL-21	WEI-21			
CRU-31	CRU-QC	LOG-22			PUL-31								
PUL-QC	SPL-21	WEI-21											
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-AA23</td> <td style="width: 33%;">ME-MS61</td> <td style="width: 33%;"></td> <td style="width: 15%;"></td> <td style="width: 5%;"></td> <td style="width: 10%;"></td> </tr> </table>	Au-AA23	ME-MS61										
Au-AA23	ME-MS61												