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Acme Analytical Laboratories (Vancouver) Ltd.  
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
2892 White St.  
Val Caron ON P3N 1B2 CANADA

Submitted By: Trevor Walker  
Receiving Lab: Canada-Timmins  
Received: April 18, 2013  
Report Date: May 27, 2013  
Page: 1 of 8

## CERTIFICATE OF ANALYSIS

TIM13000015.1

### CLIENT JOB INFORMATION

Project: PAK  
Shipment ID:  
P.O. Number  
Number of Samples: 186

### SAMPLE DISPOSAL

RTRN-PLP Return  
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

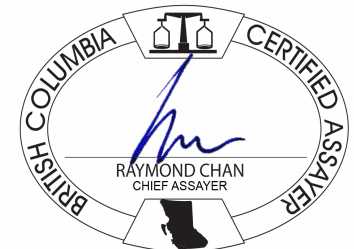
Invoice To: Houston Lake Mining  
2892 White St.  
Val Caron ON P3N 1B2  
CANADA

CC: Garth Drever  
Steve Beyer

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	156	Crush, split and pulverize 250 g rock to 200 mesh			TIM
4AB2	186	Whole Rock Analysis Majors and Trace Elements	0.2	Completed	VAN
7PF1	185	Fusion digestion (Na2O2) to 100 mL, analyzed by ICP-ES.	0.25	Completed	VAN
7PF1	186	Na2O2 fusion, analysis by ICP-ES	0.25	Completed	VAN
8X	7	X-Ray fluorescence / Fusion from Siemens		Completed	VAN

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

# CERTIFICATE OF ANALYSIS

TIM13000015.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte	Wgt	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	MgO	CaO	Na <sub>2</sub> O	K <sub>2</sub> O	TiO <sub>2</sub>	P <sub>2</sub> O <sub>5</sub>	MnO	Cr <sub>2</sub> O <sub>3</sub>	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320001	Drill Core	2.07	74.89	13.95	1.26	0.06	0.67	3.62	4.58	0.01	0.08	0.06	<0.002	<20	3	0.7	99.85	193	5	<0.2	339.7
1320002	Drill Core	1.98	75.67	14.04	0.65	0.04	0.34	5.05	2.53	<0.01	0.27	0.07	<0.002	<20	1	1.2	99.85	73	58	<0.2	358.7
1320003	Drill Core	2.27	72.59	16.44	0.52	0.04	0.22	6.87	1.27	<0.01	0.47	0.11	<0.002	<20	<1	1.1	99.65	11	447	<0.2	392.4
1320004	Drill Core	2.22	73.03	15.85	0.31	0.02	0.27	4.47	3.79	<0.01	0.60	0.09	<0.002	<20	<1	1.3	99.73	47	154	1.6	675.8
1320005	Drill Core	2.02	73.06	16.22	0.56	<0.01	0.24	5.97	1.89	<0.01	0.35	0.09	<0.002	<20	<1	1.2	99.60	15	561	<0.2	503.1
1320006	Drill Core	2.12	74.48	15.50	0.51	0.01	0.17	6.62	1.33	<0.01	0.31	0.09	0.002	<20	<1	0.8	99.83	10	97	<0.2	388.5
1320007	Drill Core	2.09	70.10	17.57	0.47	0.01	0.33	7.14	1.64	<0.01	0.98	0.11	<0.002	<20	<1	1.4	99.77	15	176	<0.2	484.2
1320008	Drill Core	2.02	73.40	15.38	0.78	0.04	0.29	3.45	4.76	<0.01	0.22	0.09	<0.002	<20	1	1.4	99.80	111	19	2.6	713.5
1320009	Drill Core	1.91	76.27	13.08	0.43	0.03	0.13	1.21	7.17	<0.01	0.36	0.10	<0.002	<20	<1	0.9	99.73	36	216	3.1	739.1
1320010	Rock Pulp	0.09	97.83	0.72	<0.04	0.02	0.04	<0.01	0.16	0.05	<0.01	<0.01	<0.002	<20	<1	1.1	99.95	16	1	1.3	1.9
1320011	Drill Core	1.62	77.64	12.76	0.57	<0.01	0.07	1.47	5.00	<0.01	0.51	0.14	<0.002	<20	<1	1.6	99.73	48	50	4.1	982.7
1320012	Rock Pulp	0.05	73.85	15.42	0.37	0.02	0.37	6.21	1.78	0.02	0.40	0.05	0.002	<20	3	0.9	99.44	7	162	<0.2	651.0
1320013	Drill Core	1.80	65.28	18.91	0.09	<0.01	0.10	1.70	12.38	<0.01	0.33	0.02	<0.002	<20	<1	1.0	99.82	189	20	1.3	802.4
1320014	Drill Core	2.66	67.69	17.80	0.31	0.01	0.09	2.12	8.41	<0.01	0.43	0.12	<0.002	<20	<1	2.8	99.74	122	42	<0.2	1031
1320015	Drill Core	2.14	65.96	19.00	0.19	<0.01	0.10	1.51	9.53	<0.01	0.47	0.14	<0.002	<20	<1	2.8	99.70	47	106	<0.2	1221
1320016	Drill Core	1.87	65.16	18.75	0.23	<0.01	0.12	1.68	12.37	<0.01	0.36	0.03	<0.002	<20	<1	1.1	99.81	203	18	<0.2	855.1
1320017	Drill Core	2.44	68.37	18.02	0.25	<0.01	0.09	1.94	8.48	<0.01	0.54	0.12	<0.002	<20	<1	1.7	99.54	73	308	<0.2	1146
1320018	Drill Core	2.34	79.63	11.45	0.48	0.02	0.16	1.35	4.65	<0.01	0.42	0.13	<0.002	<20	<1	1.5	99.79	31	68	<0.2	711.5
1320019	Drill Core	1.98	73.83	14.22	0.29	<0.01	0.09	1.67	9.04	<0.01	0.28	0.04	<0.002	<20	<1	0.4	99.87	48	22	<0.2	490.5
1320020	Drill Core	1.87	74.11	15.47	0.49	<0.01	0.08	2.26	4.34	<0.01	0.32	0.21	<0.002	<20	<1	2.3	99.60	21	308	<0.2	1249
1320021	Drill Core	2.38	69.74	17.33	0.42	<0.01	0.18	3.35	7.11	<0.01	0.33	0.09	<0.002	<20	<1	1.2	99.77	43	60	<0.2	750.1
1320022	Rock Pulp	0.05	72.17	16.41	0.46	0.05	0.24	2.96	6.00	<0.01	0.33	0.03	0.038	<20	1	0.7	99.40	16	34	<0.2	4835
1320023	Drill Core	1.01	71.31	15.72	0.54	<0.01	0.23	1.86	9.16	<0.01	0.36	0.06	<0.002	<20	<1	0.5	99.73	69	281	1.2	754.6
1320024	Rock Pulp	0.10	97.99	0.77	0.09	0.03	0.03	0.03	0.22	0.05	0.03	<0.01	<0.002	<20	<1	0.7	99.93	15	<1	<0.2	0.6
1320025	Drill Core	2.60	73.60	15.27	0.38	<0.01	0.19	2.15	4.78	<0.01	1.01	0.16	<0.002	<20	<1	2.1	99.66	26	294	<0.2	1103
1320026	Drill Core	2.33	70.21	16.71	0.26	0.01	0.12	1.47	8.44	<0.01	0.64	0.11	0.002	<20	<1	1.8	99.76	47	89	<0.2	1096
1320027	Drill Core	2.16	68.03	18.35	0.30	0.02	0.12	1.76	7.73	<0.01	0.81	0.17	<0.002	<20	<1	2.4	99.72	31	74	<0.2	1402
1320028	Drill Core	2.10	69.67	16.62	0.33	<0.01	0.13	1.75	8.97	<0.01	0.37	0.10	<0.002	<20	<1	1.9	99.80	49	36	<0.2	941.4
1320029	Drill Core	2.05	70.65	16.86	0.37	0.02	0.13	3.10	6.94	<0.01	0.26	0.10	0.002	<20	<1	1.3	99.78	37	99	<0.2	849.9
1320030	Drill Core	2.37	69.73	16.81	0.32	<0.01	0.11	3.05	8.27	<0.01	0.54	0.05	<0.002	<20	<1	0.9	99.78	41	126	<0.2	871.4

# CERTIFICATE OF ANALYSIS

TIM13000015.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
1320001	Drill Core	18.8	2.1	13.4	1637	30	48.0	7.2	15.2	8.0	<8	2.7	42.5	13.0	13.4	31.0	3.31	10.8	2.64	0.29	2.56
1320002	Drill Core	31.2	2.3	30.0	2098	56	22.1	83.2	8.7	6.1	<8	3.3	21.3	5.2	5.7	13.4	1.34	6.3	1.18	0.12	1.33
1320003	Drill Core	49.3	2.5	81.3	1634	328	9.2	245.0	1.6	7.0	<8	1.6	10.8	0.7	0.8	1.3	0.11	0.6	0.09	0.03	0.08
1320004	Drill Core	52.0	1.7	54.8	4115	398	13.5	153.5	1.7	6.0	8	3.1	9.0	1.2	1.5	2.5	0.65	1.2	0.51	0.09	0.27
1320005	Drill Core	49.5	2.9	62.7	2237	201	11.8	237.0	1.5	6.4	<8	2.1	10.4	1.0	1.0	1.9	0.15	<0.3	0.06	<0.02	0.13
1320006	Drill Core	41.2	2.8	34.8	1722	59	11.3	131.4	3.1	7.1	<8	1.5	15.3	1.3	1.5	2.8	0.36	1.2	0.26	0.03	0.29
1320007	Drill Core	50.8	3.3	71.9	2251	130	12.1	203.8	3.2	6.1	<8	2.8	16.0	3.5	2.5	6.8	0.61	2.1	0.51	0.09	0.55
1320008	Drill Core	44.2	2.1	30.4	4813	90	24.7	53.4	8.1	3.0	13	5.6	26.2	8.2	8.1	15.6	1.77	6.2	1.85	0.27	1.79
1320009	Drill Core	38.3	0.7	30.3	6864	152	10.8	66.3	1.2	2.3	<8	3.2	6.1	2.0	8.4	16.7	2.36	6.2	1.57	0.26	1.24
1320010	Rock Pulp	3.8	1.5	4.7	10.5	2	5.6	0.6	2.2	0.6	<8	0.6	69.8	2.9	13.4	25.4	3.10	11.5	1.87	0.32	1.26
1320011	Drill Core	49.2	1.2	44.3	5990	269	9.0	108.8	1.5	3.0	<8	5.2	6.3	2.4	8.3	15.9	1.63	4.3	1.52	0.21	1.13
1320012	Rock Pulp	97.2	17.4	155.9	2329	812	26.1	1967	3.6	21.6	<8	4.1	45.7	<0.1	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320013	Drill Core	32.9	0.3	7.1	>10000	19	22.2	26.0	0.4	2.6	<8	<0.5	2.0	2.3	6.4	13.0	1.44	5.0	1.05	0.22	0.98
1320014	Drill Core	48.5	1.7	30.7	8787	348	19.9	99.7	0.6	1.8	<8	4.6	6.6	0.7	0.6	1.5	0.12	0.5	0.08	<0.02	0.15
1320015	Drill Core	58.3	0.9	27.6	>10000	378	14.0	84.6	0.3	1.6	<8	3.8	3.4	0.3	0.4	0.4	0.05	0.5	<0.05	<0.02	0.07
1320016	Drill Core	30.3	0.4	5.9	>10000	57	23.9	19.3	<0.2	0.7	<8	0.6	0.9	0.2	0.2	0.4	0.04	0.5	<0.05	0.02	<0.05
1320017	Drill Core	50.6	1.6	28.7	8891	1147	16.7	103.8	0.4	2.0	<8	4.0	4.8	0.2	0.3	0.3	0.18	<0.3	<0.05	<0.02	<0.05
1320018	Drill Core	35.7	1.3	28.5	4851	272	6.4	84.1	3.5	3.4	<8	3.0	8.0	1.2	1.6	3.0	0.37	1.8	0.19	0.03	0.26
1320019	Drill Core	21.9	0.4	8.0	7225	33	10.5	38.7	1.0	0.9	<8	<0.5	3.3	0.2	0.3	0.5	0.03	0.3	<0.05	<0.02	0.08
1320020	Drill Core	63.0	2.4	51.9	6011	455	17.1	163.5	4.0	5.5	<8	5.5	13.7	1.2	1.5	2.6	0.28	0.8	0.11	0.03	0.20
1320021	Drill Core	38.4	1.0	29.9	6628	379	25.5	88.9	2.2	2.8	<8	3.0	8.8	2.5	2.0	4.3	0.43	1.9	0.33	0.03	0.41
1320022	Rock Pulp	54.8	1.1	20.0	6129	51	22.4	61.3	1.1	3.6	<8	<0.5	7.2	<0.1	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320023	Drill Core	27.1	0.7	14.1	8214	33	25.0	36.9	5.6	2.0	<8	2.7	13.3	3.2	4.1	6.9	0.87	2.9	0.88	0.11	0.80
1320024	Rock Pulp	0.7	1.7	1.8	5.5	<1	3.5	0.4	2.2	0.2	<8	<0.5	69.2	3.4	13.0	27.8	3.19	8.6	1.80	0.34	1.29
1320025	Drill Core	51.7	1.7	39.7	5988	212	41.6	131.7	4.2	6.1	<8	4.6	10.8	1.9	2.7	5.7	0.55	3.4	0.43	0.05	0.51
1320026	Drill Core	49.0	0.6	22.7	8948	137	22.1	59.1	0.2	1.2	<8	3.4	2.5	0.2	0.4	0.9	0.07	0.5	<0.05	<0.02	0.10
1320027	Drill Core	62.0	1.5	40.3	9639	225	16.3	107.5	0.2	2.7	<8	4.9	5.4	0.2	0.2	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
1320028	Drill Core	39.3	1.0	21.8	8989	96	13.4	60.4	2.5	1.8	<8	2.6	7.2	0.9	1.0	1.9	0.18	0.5	0.10	0.04	0.19
1320029	Drill Core	42.1	1.6	41.9	6862	176	11.0	91.0	4.3	2.4	<8	3.0	9.4	1.4	1.5	2.6	0.25	1.4	0.14	0.05	0.35
1320030	Drill Core	35.8	1.2	28.8	7406	32	12.3	99.1	0.9	2.3	<8	1.9	5.0	<0.1	0.2	0.3	<0.02	<0.3	<0.05	<0.02	0.06

# CERTIFICATE OF ANALYSIS

TIM13000015.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	7PF	7PF	8X
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01
1320001	Drill Core	0.50	2.48	0.51	1.27	0.20	1.58	0.19	<0.02	<0.02	0.03	0.15
1320002	Drill Core	0.21	0.98	0.21	0.44	0.09	0.72	0.09	<0.02	<0.02	0.08	0.19
1320003	Drill Core	0.02	0.15	<0.02	0.08	0.01	0.10	<0.01	<0.02	<0.02	0.10	0.25
1320004	Drill Core	0.04	0.29	0.04	0.08	0.03	0.15	0.02	<0.02	<0.02	0.04	0.31
1320005	Drill Core	0.02	0.10	<0.02	0.10	0.01	<0.05	0.01	<0.02	<0.02	0.06	0.26
1320006	Drill Core	0.04	0.21	0.06	0.10	0.02	0.17	0.02	<0.02	<0.02	0.09	0.24
1320007	Drill Core	0.08	0.40	0.11	0.27	0.05	0.27	0.05	<0.02	<0.02	0.08	0.36
1320008	Drill Core	0.25	1.61	0.24	0.66	0.13	0.67	0.12	<0.02	<0.02	0.09	0.32
1320009	Drill Core	0.12	0.25	0.06	0.10	0.11	0.09	0.02	<0.02	<0.02	0.04	0.28
1320010	Rock Pulp	0.16	0.74	0.11	0.37	0.08	0.41	0.12	<0.02	<0.02	<0.01	<0.01
1320011	Drill Core	0.10	0.40	0.09	0.14	0.04	0.27	0.02	<0.02	<0.02	0.02	0.50
1320012	Rock Pulp	<0.01	0.06	<0.02	<0.03	<0.01	0.05	<0.01	0.04	<0.02	0.02	0.09
1320013	Drill Core	0.11	0.45	0.04	0.11	0.05	0.09	0.01	<0.02	<0.02	0.02	0.10
1320014	Drill Core	0.02	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.49
1320015	Drill Core	<0.01	0.11	<0.02	0.04	<0.01	0.07	<0.01	<0.02	<0.02	0.02	0.57
1320016	Drill Core	<0.01	<0.05	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.13
1320017	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.54
1320018	Drill Core	0.03	0.19	0.04	0.16	0.01	0.19	0.03	<0.02	<0.02	0.04	0.39
1320019	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	0.07
1320020	Drill Core	0.03	0.11	0.04	0.11	0.01	0.13	0.03	0.02	<0.02	0.03	0.71
1320021	Drill Core	0.08	0.36	0.08	0.21	0.05	0.28	0.04	<0.02	<0.02	0.06	0.34
1320022	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.08	<0.02	0.01	0.42
1320023	Drill Core	0.11	0.69	0.16	0.31	0.07	0.37	0.07	<0.02	<0.02	0.07	0.17
1320024	Rock Pulp	0.17	1.07	0.15	0.45	0.06	0.47	0.06	<0.02	<0.02	<0.01	<0.01
1320025	Drill Core	0.06	0.23	0.10	0.11	0.03	0.25	0.03	0.02	<0.02	0.06	0.61
1320026	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.45
1320027	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.71
1320028	Drill Core	0.04	0.20	0.04	0.10	0.02	0.07	<0.01	<0.02	<0.02	0.04	0.35
1320029	Drill Core	0.04	0.22	0.04	0.13	0.01	0.07	0.03	<0.02	<0.02	0.06	0.35
1320030	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.23

# CERTIFICATE OF ANALYSIS

TIM13000015.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
Analyte	Wgt	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	MgO	CaO	Na <sub>2</sub> O	K <sub>2</sub> O	TiO <sub>2</sub>	P <sub>2</sub> O <sub>5</sub>	MnO	Cr <sub>2</sub> O <sub>3</sub>	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320031	Drill Core	1.02	69.05	17.02	0.36	<0.01	0.14	2.34	9.85	<0.01	0.34	0.05	<0.002	<20	<1	0.7	99.81	44	78	<0.2	837.3
1320032	Drill Core	2.95	73.57	15.15	0.72	0.01	0.10	2.12	7.12	<0.01	0.34	0.10	<0.002	<20	<1	0.5	99.77	44	218	<0.2	559.5
1320033	Drill Core	2.10	75.02	15.39	0.70	0.02	0.21	4.45	2.92	<0.01	0.26	0.14	<0.002	<20	<1	0.7	99.76	13	185	<0.2	408.6
1320034	Rock Pulp	0.05	74.93	14.71	0.41	0.02	0.38	6.06	1.73	0.02	0.39	0.05	<0.002	<20	3	0.7	99.42	9	177	<0.2	706.9
1320035	Drill Core	2.23	75.98	13.87	1.03	0.02	0.43	3.79	3.01	<0.01	0.14	0.08	<0.002	<20	3	1.4	99.73	120	234	<0.2	591.8
1320036	Rock Pulp	0.05	68.15	21.05	0.26	0.04	0.16	1.74	2.82	<0.01	0.24	0.03	0.019	<20	2	1.5	95.99	12	36	<0.2	>10000
1320037	Drill Core	2.22	73.82	15.90	0.91	0.02	0.37	6.28	1.06	<0.01	0.40	0.16	0.003	<20	<1	0.9	99.79	28	108	<0.2	270.5
1320038	Drill Core	2.08	74.73	14.92	0.72	0.02	0.47	5.34	2.80	<0.01	0.37	0.10	<0.002	<20	1	0.3	99.75	68	254	<0.2	312.7
1320039	Drill Core	2.06	72.61	16.84	0.40	0.01	0.26	7.82	0.73	<0.01	0.35	0.13	<0.002	<20	<1	0.5	99.64	3	565	<0.2	225.6
1320040	Drill Core	2.21	73.78	16.19	0.44	<0.01	0.22	7.39	0.96	<0.01	0.20	0.11	0.002	<20	<1	0.5	99.81	3	131	<0.2	261.8
1320041	Drill Core	2.16	73.97	15.20	0.73	0.02	0.34	4.79	2.88	<0.01	0.31	0.15	<0.002	<20	2	1.3	99.66	45	297	<0.2	486.0
1320042	Drill Core	1.86	76.33	14.25	0.52	<0.01	0.12	3.71	3.40	<0.01	0.29	0.12	<0.002	<20	<1	0.9	99.64	24	482	<0.2	602.8
1320043	Drill Core	2.17	72.38	15.95	0.49	<0.01	0.20	2.94	6.22	<0.01	0.33	0.12	<0.002	<20	<1	1.1	99.72	48	262	0.3	717.1
1320044	Drill Core	2.29	77.82	12.85	0.59	<0.01	0.16	2.55	4.13	<0.01	0.28	0.12	<0.002	<20	<1	1.1	99.66	35	338	<0.2	662.4
1320045	Drill Core	2.15	75.80	13.57	0.34	<0.01	0.18	1.72	6.85	<0.01	0.26	0.10	0.002	<20	<1	1.0	99.82	41	84	1.0	738.2
1320046	Rock Pulp	0.09	98.43	0.77	<0.04	0.03	0.03	<0.01	0.12	0.05	0.02	<0.01	<0.002	<20	<1	0.6	99.94	17	<1	<0.2	2.1
1320047	Drill Core	1.02	76.06	13.56	0.42	<0.01	0.22	1.75	6.83	<0.01	0.28	0.11	<0.002	<20	<1	0.6	99.85	43	97	2.2	731.7
1320048	Rock Pulp	0.05	75.28	14.84	0.31	0.03	0.38	6.00	1.70	0.02	0.37	0.05	0.002	<20	3	0.4	99.39	8	187	0.3	729.2
1320049	Drill Core	2.14	77.76	12.48	0.50	0.01	0.59	1.72	4.45	<0.01	0.76	0.24	<0.002	<20	<1	1.2	99.72	36	176	<0.2	876.7
1320050	Drill Core	2.61	76.07	13.61	0.51	0.02	0.21	1.93	5.88	<0.01	0.26	0.14	0.002	<20	<1	1.1	99.70	83	250	<0.2	810.9
1320051	Drill Core	1.83	71.38	16.24	0.50	0.01	0.32	3.50	6.52	<0.01	0.33	0.11	<0.002	<20	<1	0.9	99.80	67	86	<0.2	608.8
1320052	Drill Core	2.18	72.24	15.61	0.62	0.01	0.51	3.16	5.95	<0.01	0.53	0.16	<0.002	<20	<1	0.9	99.68	49	420	<0.2	600.9
1320053	Drill Core	2.14	71.92	16.28	0.66	0.01	0.31	4.12	4.86	<0.01	0.36	0.14	<0.002	<20	<1	0.9	99.57	23	668	<0.2	590.3
1320054	Drill Core	2.16	70.55	16.04	0.42	<0.01	0.15	1.75	9.47	<0.01	0.40	0.15	0.003	<20	<1	0.8	99.74	35	263	<0.2	867.9
1320055	Drill Core	2.08	69.10	16.96	0.47	0.01	0.41	2.87	8.66	<0.01	0.60	0.11	<0.002	<20	<1	0.6	99.74	56	180	<0.2	745.6
1320056	Drill Core	2.28	72.83	14.42	0.44	0.02	0.99	2.63	5.54	<0.01	1.04	0.28	<0.002	<20	<1	0.9	99.06	45	1790	<0.2	1000
1320057	Drill Core	2.14	70.64	14.63	0.64	0.02	1.95	1.63	5.35	<0.01	1.73	0.40	0.002	<20	<1	1.0	98.04	66	4369	<0.2	1388
1320058	Rock Pulp	0.05	64.29	21.36	0.22	0.04	0.15	1.61	1.85	<0.01	0.25	0.03	0.014	<20	<1	2.4	92.24	7	31	<0.2	>10000
1320059	Drill Core	2.18	69.67	16.73	0.33	0.01	0.42	2.47	8.90	<0.01	0.53	0.11	<0.002	<20	<1	0.6	99.74	115	164	<0.2	966.6
1320060	Rock Pulp	0.10	98.15	0.75	0.06	0.02	0.03	<0.01	0.13	0.05	<0.01	<0.01	<0.002	<20	<1	0.8	99.96	17	<1	0.2	7.4

# CERTIFICATE OF ANALYSIS

TIM13000015.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	
1320031	Drill Core	29.9	0.4	22.7	7860	27	12.9	92.8	0.8	1.9	<8	0.6	2.3	0.2	0.1	0.4	0.04	<0.3	0.06	<0.02	0.06
1320032	Drill Core	35.2	1.1	46.1	5330	61	12.1	98.5	2.4	3.7	<8	1.3	7.8	<0.1	0.3	0.5	0.03	<0.3	<0.05	<0.02	0.06
1320033	Drill Core	45.5	2.6	111.1	2862	103	9.0	164.1	5.7	6.6	<8	2.3	15.6	1.3	1.2	2.9	0.32	1.3	0.23	0.06	0.27
1320034	Rock Pulp	111.7	20.3	164.5	2508	796	27.1	2170	2.8	22.1	39	3.5	56.6	<0.1	0.7	0.1	<0.02	<0.3	0.07	<0.02	0.08
1320035	Drill Core	31.3	2.4	89.7	3163	55	31.8	201.9	9.6	5.6	26	5.1	42.1	9.3	7.9	15.8	1.59	7.2	1.52	0.15	1.30
1320036	Rock Pulp	62.3	0.8	21.3	4227	63	23.0	78.7	1.3	2.5	26	0.8	7.5	0.2	0.3	<0.1	<0.02	<0.3	<0.05	0.04	<0.05
1320037	Drill Core	49.5	1.6	119.0	1352	189	14.3	223.2	5.3	6.1	11	1.8	21.4	4.1	2.9	5.9	0.77	2.8	0.64	0.09	0.47
1320038	Drill Core	34.3	1.3	71.5	1992	99	19.6	207.5	4.6	4.3	9	1.3	14.5	8.3	6.0	8.4	0.83	3.0	0.83	0.06	0.73
1320039	Drill Core	53.7	1.3	69.2	926.7	104	9.4	152.7	1.7	5.0	8	1.3	7.9	0.6	1.3	1.8	0.06	<0.3	0.07	<0.02	<0.05
1320040	Drill Core	49.7	1.0	163.7	1520	43	9.2	219.4	1.8	5.9	<8	2.8	9.2	0.9	1.4	1.7	0.10	0.8	0.16	<0.02	<0.05
1320041	Drill Core	38.8	1.4	84.5	3441	57	15.1	139.7	8.7	4.9	<8	3.9	24.8	7.2	7.3	14.5	1.44	7.0	1.22	0.08	1.18
1320042	Drill Core	41.9	1.6	85.8	4214	82	9.5	140.0	6.6	6.0	<8	2.7	19.5	1.6	2.4	3.6	0.38	1.1	0.33	0.16	0.18
1320043	Drill Core	46.4	2.0	52.6	6611	50	11.1	92.8	3.3	9.5	<8	3.3	15.0	1.4	1.9	2.3	0.23	0.7	0.08	<0.02	<0.05
1320044	Drill Core	39.7	1.8	66.8	4786	258	10.2	105.1	14.2	6.7	<8	3.5	12.1	0.9	1.5	1.9	0.18	1.5	0.07	<0.02	0.13
1320045	Drill Core	35.4	2.2	36.9	7061	43	12.0	67.5	3.8	3.1	<8	2.2	13.5	1.2	3.0	2.4	0.24	0.7	0.17	<0.02	0.21
1320046	Rock Pulp	2.1	2.6	3.2	11.2	<1	5.3	0.5	2.2	0.2	<8	0.6	81.7	3.4	14.8	26.6	3.56	13.8	2.08	0.30	1.00
1320047	Drill Core	34.2	1.5	41.8	6952	42	10.7	59.8	3.9	3.9	<8	4.1	8.3	2.0	1.6	3.0	0.23	1.2	0.14	<0.02	0.09
1320048	Rock Pulp	105.9	16.1	175.2	2607	788	31.8	2148	4.3	24.5	<8	4.5	47.6	0.2	0.4	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320049	Drill Core	45.3	3.1	78.8	5735	70	12.1	166.6	3.7	4.3	<8	5.9	19.9	7.5	4.0	8.0	1.05	4.4	1.03	0.09	0.90
1320050	Drill Core	37.1	0.6	50.6	6351	133	13.4	88.8	2.0	5.6	<8	4.0	5.9	1.6	1.2	1.9	0.27	<0.3	0.20	<0.02	0.28
1320051	Drill Core	34.0	1.7	80.3	6081	114	18.6	104.0	3.3	5.8	<8	3.5	14.1	3.5	2.8	3.5	0.41	<0.3	0.31	<0.02	0.52
1320052	Drill Core	41.9	0.9	79.0	6023	83	13.2	122.3	2.2	3.4	<8	3.0	6.2	3.6	2.2	4.6	0.38	3.0	0.45	0.04	0.33
1320053	Drill Core	41.3	1.1	93.1	4491	77	11.7	128.3	1.8	2.9	<8	2.2	6.1	1.2	1.1	1.9	0.16	0.7	0.08	<0.02	0.07
1320054	Drill Core	31.1	0.8	18.2	7968	39	10.9	36.8	3.3	1.3	<8	1.0	6.3	0.2	0.6	0.4	<0.02	<0.3	<0.05	<0.02	<0.05
1320055	Drill Core	32.3	0.7	65.0	7363	136	14.8	122.0	0.9	1.7	<8	1.7	2.9	0.9	1.0	2.1	0.15	<0.3	0.10	0.07	<0.05
1320056	Drill Core	32.2	1.1	53.8	5179	264	15.6	93.2	3.4	5.1	<8	1.2	5.0	4.8	2.9	5.9	0.58	2.5	0.71	0.15	0.67
1320057	Drill Core	37.2	1.2	79.5	5798	157	19.2	101.5	6.9	6.1	<8	2.8	9.1	11.1	6.9	13.2	1.46	4.0	1.37	0.30	1.36
1320058	Rock Pulp	50.6	0.7	13.8	3826	51	27.2	60.8	0.5	1.4	<8	0.6	5.6	0.3	0.3	<0.1	<0.02	<0.3	<0.05	<0.02	0.06
1320059	Drill Core	30.4	1.4	32.0	8059	54	17.8	97.6	2.9	2.3	<8	1.7	9.4	1.9	2.0	8.6	0.35	2.1	0.38	0.05	0.38
1320060	Rock Pulp	1.7	1.3	0.9	8.1	<1	3.8	0.7	1.7	0.4	<8	0.5	67.4	3.4	13.7	25.0	2.96	9.7	1.81	0.29	1.42

# CERTIFICATE OF ANALYSIS

TIM13000015.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	7PF	7PF	8X	
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	
1320031	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.10	
1320032	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.12	0.19	
1320033	Drill Core	0.03	0.29	0.05	0.26	0.04	0.13	0.04	<0.02	<0.02	0.15	0.26	
1320034	Rock Pulp	<0.01	0.15	<0.02	<0.03	0.02	<0.05	0.01	0.04	<0.02	<0.01	0.09	
1320035	Drill Core	0.23	1.92	0.27	0.91	0.15	0.72	0.16	<0.02	<0.02	0.07	0.27	
1320036	Rock Pulp	0.05	<0.05	<0.02	<0.03	<0.01	0.09	0.01	0.06	<0.02	<0.01	1.63	4.19
1320037	Drill Core	0.08	0.36	0.15	0.19	0.06	0.23	0.07	<0.02	<0.02	0.21	0.17	
1320038	Drill Core	0.14	0.71	0.25	0.67	0.12	0.98	0.17	<0.02	<0.02	0.07	0.14	
1320039	Drill Core	0.01	<0.05	0.05	<0.03	0.01	0.09	0.03	<0.02	<0.02	0.09	0.14	
1320040	Drill Core	<0.01	0.22	0.04	<0.03	0.01	0.13	0.05	<0.02	<0.02	0.08	0.19	
1320041	Drill Core	0.17	1.20	0.23	0.45	0.09	0.56	0.13	<0.02	<0.02	0.08	0.28	
1320042	Drill Core	0.02	0.20	0.05	0.04	0.02	0.13	0.03	<0.02	<0.02	0.08	0.35	
1320043	Drill Core	<0.01	0.12	0.04	0.07	0.01	<0.05	0.03	<0.02	<0.02	0.07	0.34	
1320044	Drill Core	<0.01	0.30	0.04	<0.03	0.03	0.07	0.03	<0.02	<0.02	0.09	0.32	
1320045	Drill Core	0.02	0.26	0.08	<0.03	0.02	0.10	0.04	<0.02	<0.02	0.04	0.26	
1320046	Rock Pulp	0.11	0.45	0.13	0.31	0.06	0.29	0.08	<0.02	<0.02	<0.01	<0.01	
1320047	Drill Core	0.01	0.11	0.03	0.10	0.01	0.20	0.06	<0.02	<0.02	0.04	0.26	
1320048	Rock Pulp	<0.01	<0.05	<0.02	<0.03	0.03	<0.05	<0.01	0.03	<0.02	<0.01	0.09	
1320049	Drill Core	0.13	1.11	0.23	0.59	0.11	0.40	0.08	<0.02	<0.02	0.04	0.48	
1320050	Drill Core	0.02	0.16	0.02	0.07	0.02	0.09	0.04	<0.02	<0.02	0.05	0.31	
1320051	Drill Core	0.06	0.44	0.09	0.39	0.05	0.26	0.05	<0.02	<0.02	0.06	0.20	
1320052	Drill Core	0.28	0.50	0.12	0.33	0.05	0.19	0.06	<0.02	<0.02	0.12	0.23	
1320053	Drill Core	0.03	0.14	0.02	0.09	0.04	<0.05	0.02	<0.02	<0.02	0.17	0.16	
1320054	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	0.03	<0.02	<0.02	0.03	0.15	
1320055	Drill Core	<0.01	0.24	0.04	<0.03	0.02	0.08	0.06	<0.02	<0.02	0.06	0.12	
1320056	Drill Core	0.08	0.79	0.17	0.54	0.08	0.43	0.07	<0.02	<0.02	0.07	0.23	
1320057	Drill Core	0.22	1.66	0.22	0.94	0.16	0.99	0.16	<0.02	<0.02	0.10	0.36	
1320058	Rock Pulp	<0.01	<0.05	<0.02	<0.03	0.15	0.06	0.02	0.05	<0.02	<0.01	1.61	8.32
1320059	Drill Core	0.02	0.14	0.06	0.07	0.02	<0.05	0.08	<0.02	<0.02	0.01	0.18	
1320060	Rock Pulp	0.15	0.83	0.21	0.31	0.11	0.40	0.09	<0.02	<0.02	<0.01	<0.01	

# CERTIFICATE OF ANALYSIS

TIM13000015.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
Analyte	Wgt	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	MgO	CaO	Na <sub>2</sub> O	K <sub>2</sub> O	TiO <sub>2</sub>	P <sub>2</sub> O <sub>5</sub>	MnO	Cr <sub>2</sub> O <sub>3</sub>	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320061	Drill Core	1.36	76.54	16.60	0.51	0.01	0.21	4.52	0.90	<0.01	0.29	0.19	<0.002	<20	<1	0.0	99.78	4	175	<0.2	206.7
1320062	Drill Core	1.66	66.86	17.82	0.46	0.05	0.24	1.67	11.67	<0.01	0.34	0.04	<0.002	<20	<1	0.6	99.74	82	110	0.6	1093
1320063	Drill Core	2.20	69.79	16.33	0.61	0.46	1.22	1.48	7.14	<0.01	0.34	0.08	<0.002	<20	<1	2.4	99.81	92	28	0.5	719.7
1320064	Drill Core	2.67	75.38	14.37	0.60	0.02	0.24	3.01	4.61	<0.01	0.27	0.12	<0.002	<20	1	1.1	99.73	43	294	<0.2	764.3
1320065	Drill Core	2.15	73.80	16.43	0.52	0.02	0.26	5.51	2.08	<0.01	0.40	0.19	<0.002	20	<1	0.6	99.79	36	135	<0.2	402.7
1320066	Drill Core	2.15	72.42	17.18	0.51	0.02	0.20	5.40	2.28	<0.01	0.29	0.19	<0.002	20	1	1.3	99.74	6	116	<0.2	887.3
1320067	Drill Core	2.31	76.30	16.03	0.46	0.03	0.21	2.66	2.34	<0.01	0.66	0.09	<0.002	<20	1	0.9	99.71	32	94	<0.2	1368
1320068	Drill Core	2.07	72.67	16.77	0.42	0.01	0.14	5.50	2.76	<0.01	0.20	0.14	<0.002	<20	<1	1.2	99.77	13	147	0.2	502.0
1320069	Drill Core	2.10	72.94	15.26	0.43	0.01	0.06	2.03	8.26	<0.01	0.14	0.05	<0.002	<20	<1	0.6	99.80	23	109	<0.2	789.1
1320070	Rock Pulp	0.05	74.42	15.05	0.40	0.02	0.37	6.18	1.80	0.02	0.41	0.05	<0.002	<20	3	0.7	99.43	9	170	<0.2	664.1
1320071	Drill Core	1.13	74.26	17.13	0.54	0.03	0.08	2.46	4.83	<0.01	0.14	0.04	<0.002	<20	<1	0.3	99.82	31	86	<0.2	524.9
1320072	Rock Pulp	0.05	70.76	19.06	0.39	0.05	0.18	2.29	4.24	<0.01	0.29	0.03	0.032	44	<1	0.8	98.12	12	21	0.4	>10000
1320073	Drill Core	2.19	76.35	13.01	0.61	0.03	0.47	1.46	6.06	<0.01	0.51	0.21	<0.002	<20	1	1.0	99.71	17	62	<0.2	1017
1320074	Drill Core	2.41	74.20	17.36	0.52	0.04	0.14	2.21	4.14	<0.01	0.26	0.14	<0.002	<20	<1	0.9	99.84	13	27	<0.2	518.8
1320075	Drill Core	2.21	79.35	16.33	0.39	0.03	0.11	1.76	1.04	<0.01	0.17	0.08	<0.002	<20	<1	0.6	99.86	2	79	<0.2	201.6
1320076	Drill Core	2.23	79.57	17.07	0.40	0.04	0.07	1.20	0.60	<0.01	0.16	0.10	<0.002	<20	<1	0.7	99.89	3	51	<0.2	156.0
1320077	Drill Core	2.29	77.42	17.03	0.51	0.04	0.12	1.56	2.08	<0.01	0.18	0.09	0.004	<20	<1	0.8	99.81	7	136	<0.2	346.8
1320078	Drill Core	2.36	69.62	17.30	0.45	0.03	0.13	2.83	8.21	<0.01	0.26	0.05	<0.002	<20	<1	0.9	99.77	29	138	<0.2	783.0
1320079	Drill Core	2.15	69.17	17.92	0.35	0.03	0.12	3.61	7.31	<0.01	0.26	0.05	<0.002	<20	<1	1.0	99.83	27	21	<0.2	716.0
1320080	Drill Core	2.38	73.23	17.02	0.53	0.14	0.14	3.67	4.07	<0.01	0.32	0.10	0.024	71	<1	0.6	99.82	11	56	1.1	546.5
1320081	Drill Core	2.35	78.58	16.33	0.43	0.07	0.10	1.92	1.12	<0.01	0.31	0.07	<0.002	<20	<1	0.9	99.78	2	42	<0.2	958.9
1320082	Rock Pulp	0.10	97.70	0.73	0.06	0.03	0.03	<0.01	0.18	0.05	0.03	<0.01	<0.002	<20	<1	1.1	99.93	15	<1	<0.2	0.8
1320083	Drill Core	2.28	81.43	16.40	0.30	0.02	0.04	0.13	0.35	<0.01	0.10	0.04	<0.002	<20	<1	1.1	99.90	2	35	<0.2	190.1
1320084	Rock Pulp	0.05	74.01	15.05	0.40	0.02	0.37	6.04	1.74	0.02	0.40	0.05	0.003	<20	3	1.3	99.41	10	157	<0.2	710.0
1320085	Drill Core	2.51	77.07	17.16	0.47	0.04	0.09	2.12	1.13	<0.01	0.24	0.12	<0.002	<20	<1	1.4	99.83	3	103	<0.2	372.5
1320086	Drill Core	2.27	78.86	17.25	0.33	0.03	0.08	1.10	0.68	<0.01	0.19	0.04	<0.002	<20	<1	1.3	99.86	2	37	<0.2	446.2
1320087	Drill Core	2.35	80.07	17.34	0.40	0.02	0.01	0.14	0.11	<0.01	0.05	0.02	<0.002	<20	<1	1.7	99.90	<1	4	<0.2	282.8
1320088	Drill Core	2.29	74.85	16.61	0.27	0.01	0.05	1.51	5.06	<0.01	0.23	0.04	<0.002	<20	<1	1.1	99.78	21	104	<0.2	724.8
1320089	Drill Core	2.32	73.65	15.49	0.44	<0.01	0.14	2.50	5.13	<0.01	0.60	0.15	<0.002	<20	<1	1.4	99.52	20	367	<0.2	895.7
1320090	Drill Core	2.26	71.18	16.94	0.30	<0.01	0.07	1.65	7.86	<0.01	0.31	0.05	<0.002	<20	<1	1.2	99.56	25	496	<0.2	1472



# CERTIFICATE OF ANALYSIS

TIM13000015.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	
1320061	Drill Core	34.6	0.9	54.7	999.3	160	8.3	123.9	3.4	3.9	<8	1.3	6.2	0.5	0.7	0.7	0.03	<0.3	<0.05	0.05	<0.05
1320062	Drill Core	31.9	1.0	9.6	9639	41	15.0	36.6	0.3	2.0	<8	3.8	3.9	4.3	24.4	49.8	4.94	20.6	3.83	0.51	3.00
1320063	Drill Core	27.4	0.3	33.1	5742	126	28.5	97.0	0.9	6.0	<8	1.5	1.7	5.0	18.5	45.2	4.17	15.5	2.83	0.42	2.21
1320064	Drill Core	34.4	0.9	37.5	4452	55	13.0	57.3	7.8	4.8	<8	4.0	15.5	6.3	4.2	8.7	0.98	4.3	0.76	0.05	1.03
1320065	Drill Core	35.9	1.9	65.3	2139	99	11.8	207.8	4.2	5.2	<8	2.3	13.6	2.5	3.6	5.9	0.60	2.3	0.51	0.08	0.61
1320066	Drill Core	57.3	2.9	88.7	3073	204	7.0	202.0	2.2	5.5	<8	4.3	9.6	0.5	0.7	0.3	0.03	<0.3	0.05	<0.02	<0.05
1320067	Drill Core	31.1	0.3	71.1	2280	47	10.4	211.3	5.3	2.9	<8	3.8	8.3	3.2	3.3	6.9	0.63	1.7	0.44	0.03	0.63
1320068	Drill Core	45.1	1.2	97.6	2400	158	6.2	221.8	6.5	8.2	<8	2.9	9.4	0.9	1.5	2.1	0.21	1.2	0.13	<0.02	0.19
1320069	Drill Core	25.0	0.7	17.5	3936	29	10.3	47.3	2.0	1.2	<8	1.5	4.7	0.7	0.8	0.8	0.08	<0.3	<0.05	<0.02	<0.05
1320070	Rock Pulp	99.3	23.1	158.9	2393	746	26.5	1990	3.4	21.6	<8	3.7	57.2	0.2	0.4	0.4	0.03	<0.3	<0.05	<0.02	<0.05
1320071	Drill Core	27.4	2.5	55.1	2634	69	8.5	168.1	0.8	4.6	<8	0.6	13.5	0.7	0.2	0.4	0.05	<0.3	<0.05	<0.02	<0.05
1320072	Rock Pulp	55.5	1.5	21.9	4763	57	20.5	69.9	1.1	3.1	<8	1.0	6.2	0.1	0.2	0.2	0.03	0.3	<0.05	<0.02	<0.05
1320073	Drill Core	33.2	1.0	81.9	3779	69	10.4	208.2	1.0	3.5	<8	4.6	7.0	5.5	1.5	3.6	0.36	0.6	0.21	0.08	0.44
1320074	Drill Core	24.5	1.1	48.3	2685	26	5.8	111.3	0.8	4.1	<8	1.9	10.4	1.2	0.5	0.7	0.06	0.4	<0.05	<0.02	<0.05
1320075	Drill Core	25.4	0.6	33.1	1003	38	3.2	53.6	1.5	2.2	<8	1.0	3.5	0.2	0.3	0.3	<0.02	0.3	<0.05	<0.02	<0.05
1320076	Drill Core	19.2	0.5	24.0	617.8	28	2.4	49.2	1.1	1.6	<8	1.6	1.9	<0.1	0.1	0.2	0.02	<0.3	<0.05	<0.02	<0.05
1320077	Drill Core	23.0	1.2	35.5	1776	38	4.7	52.2	3.0	5.6	<8	1.4	6.4	0.3	0.4	0.4	0.07	0.9	<0.05	<0.02	<0.05
1320078	Drill Core	25.6	0.9	21.9	6181	21	9.4	45.3	0.6	3.0	<8	1.7	4.9	0.2	0.2	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
1320079	Drill Core	27.2	0.8	51.8	5373	25	7.3	90.7	0.8	3.0	<8	1.8	5.7	0.4	0.7	1.0	0.06	0.3	<0.05	<0.02	<0.05
1320080	Drill Core	29.5	1.9	45.6	3214	36	6.9	77.2	1.6	5.4	<8	2.5	11.2	1.8	2.5	4.7	0.50	2.3	0.39	0.07	0.35
1320081	Drill Core	21.5	1.0	63.1	1236	25	3.6	212.3	2.6	2.9	<8	2.8	4.6	<0.1	0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320082	Rock Pulp	0.9	1.4	1.4	4.9	<1	3.5	0.5	2.0	0.4	<8	<0.5	59.2	3.6	13.5	27.0	3.00	12.2	1.89	0.30	1.23
1320083	Drill Core	17.7	0.2	4.9	448.0	25	1.1	20.9	<0.2	0.4	<8	1.2	0.6	<0.1	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320084	Rock Pulp	100.7	16.3	163.4	2437	739	27.7	2090	3.5	25.8	<8	4.0	39.0	<0.1	0.2	0.2	<0.02	1.1	<0.05	<0.02	<0.05
1320085	Drill Core	22.5	1.2	56.9	1209	32	3.4	105.4	3.6	2.9	<8	2.1	4.5	0.2	0.4	0.4	0.03	0.4	<0.05	<0.02	<0.05
1320086	Drill Core	18.4	0.3	30.2	678.3	15	2.3	95.3	2.8	1.6	<8	1.3	1.4	0.1	0.3	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
1320087	Drill Core	13.7	0.4	3.6	138.6	10	1.1	32.9	<0.2	0.2	<8	0.5	2.3	<0.1	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320088	Drill Core	21.1	<0.1	35.9	4073	130	5.6	88.7	1.4	3.1	<8	1.4	2.0	0.1	0.6	1.1	0.07	0.3	<0.05	<0.02	<0.05
1320089	Drill Core	29.6	1.3	104.8	4462	1006	8.0	332.0	5.2	7.5	<8	2.8	4.5	0.2	0.2	0.4	<0.02	0.3	<0.05	<0.02	<0.05
1320090	Drill Core	25.9	0.4	36.8	6283	29	6.0	148.0	1.5	2.6	<8	1.6	2.6	0.1	0.2	0.1	<0.02	0.3	<0.05	<0.02	<0.05



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Project: PAK  
 Report Date: May 27, 2013

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Part: 3 of 1

# CERTIFICATE OF ANALYSIS

TIM13000015.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B 2A	Leco 2A	Leco	7PF	7PF	8X
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	
1320061	Drill Core	<0.01	0.12	<0.02	<0.03	<0.01	0.12	0.02	<0.02	<0.02	0.04	0.79	
1320062	Drill Core	0.26	1.29	0.12	0.07	0.02	0.10	0.05	0.04	<0.02	<0.01	0.10	
1320063	Drill Core	0.31	1.22	0.19	0.25	0.04	<0.05	0.12	0.24	0.09	0.03	0.41	
1320064	Drill Core	0.12	0.98	0.13	0.35	0.11	0.28	0.10	<0.02	<0.02	0.06	0.31	
1320065	Drill Core	0.07	0.30	0.10	0.12	0.03	0.37	0.04	<0.02	<0.02	0.07	0.42	
1320066	Drill Core	<0.01	0.19	0.03	<0.03	0.01	<0.05	0.03	<0.02	<0.02	0.01	0.50	
1320067	Drill Core	0.04	0.48	0.10	0.07	0.04	0.23	0.04	<0.02	<0.02	0.02	0.96	
1320068	Drill Core	<0.01	0.18	0.02	<0.03	<0.01	0.06	0.04	<0.02	<0.02	<0.01	0.24	
1320069	Drill Core	0.01	0.06	<0.02	0.06	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.17	
1320070	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	<0.01	0.09	
1320071	Drill Core	0.01	0.09	0.03	0.09	<0.01	0.11	0.01	<0.02	<0.02	0.05	0.85	
1320072	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	1.18	2.00
1320073	Drill Core	0.12	0.42	0.13	0.37	0.07	0.72	0.11	<0.02	<0.02	0.02	0.26	
1320074	Drill Core	0.02	0.10	<0.02	0.09	0.01	0.11	0.02	<0.02	<0.02	0.02	1.07	
1320075	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.43	
1320076	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.75	
1320077	Drill Core	<0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	1.41	
1320078	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.37	
1320079	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.35	
1320080	Drill Core	0.06	0.25	0.04	0.07	0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.65	
1320081	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.40	
1320082	Rock Pulp	0.18	0.74	0.14	0.43	0.05	0.62	0.06	<0.02	<0.02	<0.01	<0.01	
1320083	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.06	
1320084	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	<0.01	0.09	
1320085	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.44	
1320086	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.95	
1320087	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.46	
1320088	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.07	
1320089	Drill Core	<0.01	<0.05	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.67	
1320090	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.64	

# CERTIFICATE OF ANALYSIS

TIM13000015.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte	Wgt	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	MgO	CaO	Na <sub>2</sub> O	K <sub>2</sub> O	TiO <sub>2</sub>	P <sub>2</sub> O <sub>5</sub>	MnO	Cr <sub>2</sub> O <sub>3</sub>	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320091	Drill Core	2.30	73.15	17.18	0.36	0.02	0.08	0.80	6.51	<0.01	0.30	0.05	<0.002	<20	<1	1.4	99.82	17	6	0.3	946.2
1320092	Drill Core	2.39	73.55	17.05	0.50	<0.01	0.08	6.82	0.55	<0.01	0.20	0.13	<0.002	<20	<1	1.0	99.85	<1	100	<0.2	232.8
1320093	Drill Core	2.26	73.89	16.70	0.56	0.01	0.22	5.39	1.23	<0.01	0.38	0.19	<0.002	<20	<1	1.3	99.85	2	117	0.3	230.2
1320094	Rock Pulp	0.05	67.84	21.12	0.31	0.05	0.16	1.78	2.85	<0.01	0.27	0.03	0.018	<20	1	2.0	96.43	12	28	<0.2	>10000
1320095	Drill Core	1.12	72.26	17.14	0.46	<0.01	0.21	7.10	1.20	<0.01	0.39	0.17	<0.002	<20	<1	0.9	99.80	4	129	2.2	413.5
1320096	Rock Pulp	0.09	97.31	0.71	0.10	0.03	0.04	0.01	0.16	0.05	0.04	<0.01	<0.002	<20	<1	1.5	99.92	13	1	<0.2	1.7
1320097	Drill Core	2.26	70.34	18.18	0.39	<0.01	0.08	1.15	7.81	<0.01	0.21	0.05	<0.002	<20	<1	1.6	99.80	13	96	3.3	833.5
1320098	Drill Core	2.28	76.40	17.10	0.31	<0.01	0.13	0.84	3.45	<0.01	0.29	0.07	<0.002	<20	<1	1.2	99.79	7	193	1.4	675.8
1320099	Drill Core	2.36	77.12	16.86	0.36	<0.01	0.05	0.61	3.43	<0.01	0.12	0.03	0.003	<20	<1	1.3	99.89	7	32	1.4	343.1
1320100	Drill Core	2.32	74.69	16.73	0.43	<0.01	0.12	0.94	5.31	<0.01	0.40	0.10	<0.002	<20	<1	1.1	99.84	14	29	4.1	584.6
1320101	Drill Core	2.22	74.03	16.86	0.32	0.02	0.09	0.81	6.05	<0.01	0.18	0.06	<0.002	<20	<1	1.4	99.87	12	36	1.3	577.0
1320102	Drill Core	2.29	74.77	17.16	0.53	<0.01	0.18	5.06	0.89	<0.01	0.25	0.12	<0.002	<20	<1	0.9	99.85	5	118	1.6	226.1
1320103	Drill Core	2.14	71.31	16.45	0.71	<0.01	0.10	1.36	7.96	<0.01	0.25	0.08	<0.002	<20	1	1.5	99.73	14	184	7.0	802.1
1320104	Drill Core	2.30	74.90	17.50	0.34	<0.01	0.08	0.85	4.98	<0.01	0.23	0.06	<0.002	<20	<1	0.9	99.87	7	23	0.2	440.2
1320105	Drill Core	2.20	73.49	17.68	0.48	<0.01	0.10	0.92	5.74	<0.01	0.29	0.08	<0.002	<20	<1	1.1	99.88	8	11	<0.2	488.7
1320106	Rock Pulp	0.05	64.52	21.91	0.24	0.05	0.15	1.69	1.90	<0.01	0.27	0.03	0.014	<20	<1	2.1	92.89	10	21	0.3	>10000
1320107	Drill Core	2.38	75.86	17.41	0.30	0.02	0.08	0.82	3.95	<0.01	0.23	0.06	<0.002	<20	<1	1.2	99.90	5	21	<0.2	370.6
1320108	Rock Pulp	0.05	74.14	14.85	0.40	0.03	0.37	6.08	1.75	0.02	0.40	0.05	0.004	<20	3	1.3	99.42	9	161	0.3	713.3
1320109	Drill Core	2.39	73.33	17.80	0.62	0.01	0.16	1.01	5.35	<0.01	0.24	0.11	0.002	<20	<1	1.2	99.84	7	12	<0.2	719.5
1320110	Drill Core	2.07	74.78	16.80	0.68	0.01	0.12	1.24	4.07	<0.01	0.67	0.24	<0.002	<20	<1	1.0	99.62	6	137	<0.2	2126
1320111	Drill Core	2.33	73.93	17.36	0.39	0.01	0.09	1.21	5.71	<0.01	0.21	0.06	<0.002	<20	<1	0.9	99.87	12	21	<0.2	525.1
1320465	Drill Core	2.41	73.05	18.60	0.56	0.01	0.17	0.99	4.94	<0.01	0.27	0.09	<0.002	<20	<1	1.2	99.87	5	9	<0.2	560.5
1320466	Rock Pulp	0.05	71.79	16.35	0.57	0.05	0.24	2.93	6.00	<0.01	0.33	0.03	0.036	<20	<1	1.0	99.33	18	38	0.2	5505
1320467	Drill Core	2.26	69.54	17.96	0.27	<0.01	0.07	1.65	9.40	<0.01	0.22	0.04	<0.002	<20	<1	0.7	99.86	10	17	<0.2	698.1
1320468	Rock Pulp	0.10	97.73	0.75	0.13	0.03	0.03	<0.01	0.21	0.05	0.03	<0.01	<0.002	<20	<1	1.0	99.93	14	<1	<0.2	1.3
1320469	Drill Core	2.16	75.27	18.34	0.59	0.01	0.12	2.70	1.35	<0.01	0.38	0.17	<0.002	<20	<1	0.9	99.83	<1	67	<0.2	591.8
1320470	Drill Core	2.37	73.34	16.39	0.53	0.01	0.14	4.19	3.85	<0.01	0.33	0.15	<0.002	<20	<1	0.9	99.83	4	63	0.9	384.7
1320471	Drill Core	2.08	72.80	16.47	0.65	0.01	0.21	7.61	1.10	<0.01	0.39	0.18	<0.002	<20	<1	0.4	99.84	<1	129	<0.2	184.0
1320472	Drill Core	2.21	74.40	16.26	0.56	<0.01	0.15	5.58	2.02	<0.01	0.32	0.18	<0.002	<20	<1	0.3	99.78	5	157	1.6	373.4
1320473	Drill Core	2.27	76.74	15.93	0.64	0.02	0.19	2.77	2.16	<0.01	0.40	0.18	0.002	<20	<1	0.7	99.75	7	201	0.2	419.9

# CERTIFICATE OF ANALYSIS

TIM13000015.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	
1320091	Drill Core	21.3	0.6	18.8	4838	34	6.0	62.9	0.4	1.0	<8	1.1	1.7	<0.1	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320092	Drill Core	34.5	1.9	37.1	699.2	56	3.1	90.1	3.3	3.6	<8	1.8	10.2	<0.1	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320093	Drill Core	30.4	1.0	38.2	1111	23	5.6	102.3	2.1	3.1	<8	1.6	4.7	<0.1	0.3	0.2	<0.02	0.4	<0.05	<0.02	<0.05
1320094	Rock Pulp	53.5	0.6	17.5	3703	64	20.4	65.9	1.0	2.9	<8	<0.5	5.6	<0.1	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320095	Drill Core	34.2	1.6	50.4	1082	35	22.3	102.5	2.1	3.1	<8	1.1	8.8	0.4	0.4	0.4	0.06	<0.3	0.13	0.03	0.23
1320096	Rock Pulp	1.0	1.7	1.2	5.5	<1	4.3	0.4	2.3	0.2	<8	<0.5	69.0	3.0	12.9	26.9	3.21	12.3	2.21	0.32	1.08
1320097	Drill Core	27.1	0.5	13.7	6165	35	6.5	37.7	0.4	0.9	<8	2.3	3.4	0.3	0.4	0.2	0.04	0.6	0.09	0.07	0.24
1320098	Drill Core	26.7	0.5	17.3	3191	46	5.6	38.2	0.5	1.2	<8	2.1	4.2	0.5	0.7	0.6	0.36	<0.3	0.15	0.03	0.14
1320099	Drill Core	16.2	0.4	10.6	2704	23	3.3	29.9	0.3	0.8	<8	1.3	2.8	0.3	0.4	0.1	0.03	<0.3	0.14	0.04	0.23
1320100	Drill Core	23.9	0.6	25.3	4340	29	6.5	54.3	0.3	1.3	<8	2.0	3.8	0.6	0.5	0.4	0.20	<0.3	0.17	0.15	0.21
1320101	Drill Core	22.7	0.2	14.5	4580	35	6.9	32.1	0.5	0.6	<8	2.5	2.8	0.3	0.4	0.2	0.05	<0.3	0.08	0.08	0.21
1320102	Drill Core	32.4	1.4	31.3	934.7	44	5.9	72.8	1.9	2.8	<8	1.8	6.4	0.4	0.4	0.3	0.09	<0.3	0.18	0.05	0.20
1320103	Drill Core	27.7	0.7	21.7	6275	65	11.1	61.2	3.4	1.0	<8	5.6	4.5	0.4	0.6	0.2	0.05	<0.3	0.19	0.03	0.20
1320104	Drill Core	19.5	0.1	13.5	3498	20	7.3	41.2	<0.2	0.9	<8	0.5	2.3	0.2	0.7	0.5	0.07	<0.3	<0.05	<0.02	<0.05
1320105	Drill Core	19.2	0.3	8.8	3959	19	9.0	28.4	0.3	0.5	<8	0.9	3.0	0.7	1.5	0.9	0.12	<0.3	0.09	<0.02	0.06
1320106	Rock Pulp	47.3	0.7	16.2	3485	55	27.1	65.7	1.2	1.9	<8	<0.5	4.7	0.2	0.7	0.7	0.06	<0.3	<0.05	<0.02	<0.05
1320107	Drill Core	23.7	0.3	8.7	3062	19	6.4	17.1	<0.2	0.4	14	<0.5	3.5	0.5	0.2	5.6	<0.02	<0.3	0.14	<0.02	<0.05
1320108	Rock Pulp	104.0	18.7	155.0	2362	784	28.7	1977	3.2	20.7	<8	4.2	52.1	0.2	0.2	0.4	0.05	<0.3	<0.05	<0.02	<0.05
1320109	Drill Core	29.7	0.5	20.2	4273	44	7.9	28.8	0.7	1.7	<8	2.9	5.6	1.4	0.5	0.8	0.10	0.8	0.11	<0.02	0.13
1320110	Drill Core	33.4	1.6	44.2	3833	76	7.0	183.8	0.7	4.8	<8	3.4	9.1	0.4	0.8	0.6	0.03	<0.3	<0.05	<0.02	0.08
1320111	Drill Core	20.2	0.5	9.1	4021	18	7.4	17.4	0.3	1.2	<8	0.6	4.6	0.1	0.7	0.5	0.05	0.5	<0.05	<0.02	<0.05
1320465	Drill Core	25.8	0.3	11.2	3748	35	5.1	25.0	0.6	0.7	<8	1.4	2.3	0.6	0.4	0.4	0.02	<0.3	<0.05	<0.02	<0.05
1320466	Rock Pulp	57.2	1.3	20.6	6708	49	23.4	61.5	1.4	3.3	<8	0.8	7.2	0.1	0.2	0.4	<0.02	<0.3	<0.05	<0.02	<0.05
1320467	Drill Core	19.5	<0.1	5.2	6588	10	7.8	19.4	<0.2	<0.1	<8	<0.5	0.7	<0.1	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320468	Rock Pulp	1.0	2.3	1.4	5.4	<1	4.0	0.3	2.0	0.3	<8	<0.5	74.8	3.5	13.3	26.9	3.25	11.8	1.67	0.36	1.02
1320469	Drill Core	31.4	0.9	29.3	1543	81	7.2	72.1	1.1	1.1	<8	1.1	4.2	<0.1	0.1	0.3	0.03	0.4	<0.05	0.02	<0.05
1320470	Drill Core	33.7	0.6	39.9	3009	53	7.9	73.0	1.6	3.0	<8	0.8	5.5	0.4	0.2	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
1320471	Drill Core	36.0	1.8	53.3	980.3	45	7.4	80.2	4.4	5.8	<8	0.9	11.7	0.3	0.1	0.2	<0.02	1.4	<0.05	<0.02	<0.05
1320472	Drill Core	36.5	2.0	69.0	1889	89	6.0	76.3	3.8	8.7	<8	1.5	12.8	0.2	0.4	0.2	0.04	<0.3	<0.05	<0.02	<0.05
1320473	Drill Core	39.5	1.7	72.1	2394	98	5.8	71.7	2.2	5.9	<8	1.8	11.5	0.7	0.5	0.5	0.04	0.4	0.07	0.02	0.10

# CERTIFICATE OF ANALYSIS

TIM13000015.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	7PF	7PF	8X	
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	
1320091	Drill Core	<0.01	<0.05	0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.12	
1320092	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.08	0.55	
1320093	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.08	0.67	
1320094	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	1.48	3.89
1320095	Drill Core	0.03	0.09	<0.02	0.16	<0.01	1.48	0.01	<0.02	<0.02	0.12	0.30	
1320096	Rock Pulp	0.16	0.65	0.15	0.43	0.07	0.45	0.06	<0.02	<0.02	<0.01	<0.01	
1320097	Drill Core	0.04	0.38	<0.02	0.05	0.01	0.07	0.02	<0.02	<0.02	<0.01	0.97	
1320098	Drill Core	0.04	0.10	<0.02	0.04	0.01	<0.05	0.02	<0.02	<0.02	<0.01	1.45	
1320099	Drill Core	0.02	<0.05	<0.02	<0.03	0.02	<0.05	0.01	<0.02	<0.02	<0.01	1.59	
1320100	Drill Core	0.09	0.07	<0.02	<0.03	0.01	<0.05	0.02	<0.02	<0.02	0.02	1.11	
1320101	Drill Core	0.07	0.07	<0.02	<0.03	0.01	<0.05	0.02	<0.02	<0.02	0.01	1.09	
1320102	Drill Core	0.04	0.13	<0.02	0.04	0.01	0.09	0.03	<0.02	<0.02	0.07	0.85	
1320103	Drill Core	0.04	0.06	<0.02	<0.03	0.02	<0.05	<0.01	<0.02	<0.02	0.02	0.56	
1320104	Drill Core	<0.01	<0.05	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.35	
1320105	Drill Core	0.02	0.14	<0.02	0.05	<0.01	0.11	<0.01	<0.02	<0.02	<0.01	1.17	
1320106	Rock Pulp	0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	<0.01	1.68	7.86
1320107	Drill Core	0.01	0.06	<0.02	<0.03	0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.36	
1320108	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.03	<0.02	<0.01	0.09	
1320109	Drill Core	0.06	0.16	<0.02	0.07	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	1.16	
1320110	Drill Core	0.03	0.07	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	1.16	
1320111	Drill Core	0.02	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.12	
1320465	Drill Core	0.02	0.09	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.06	1.34	
1320466	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.05	<0.02	<0.01	0.42	
1320467	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	0.57	
1320468	Rock Pulp	0.17	0.77	0.18	0.50	0.05	0.49	0.07	<0.02	<0.02	<0.01	<0.01	
1320469	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	1.42	
1320470	Drill Core	0.01	0.09	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.06	0.45	
1320471	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.08	0.11	
1320472	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.08	0.37	
1320473	Drill Core	0.01	0.10	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.07	0.82	

# CERTIFICATE OF ANALYSIS

TIM13000015.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte	Wgt	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	MgO	CaO	Na <sub>2</sub> O	K <sub>2</sub> O	TiO <sub>2</sub>	P <sub>2</sub> O <sub>5</sub>	MnO	Cr <sub>2</sub> O <sub>3</sub>	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320474	Drill Core	2.47	75.03	16.45	0.89	<0.01	0.30	0.66	4.25	<0.01	0.51	0.24	<0.002	<20	<1	1.4	99.72	3	265	<0.2	583.2
1320475	Drill Core	1.93	75.86	14.71	0.63	0.02	0.27	0.69	5.78	<0.01	0.50	0.20	<0.002	<20	<1	1.1	99.72	5	243	<0.2	659.2
1320476	Drill Core	2.16	75.42	15.84	0.70	<0.01	0.27	0.79	4.52	<0.01	0.50	0.22	<0.002	<20	<1	1.4	99.71	4	289	<0.2	628.5
1320477	Drill Core	2.33	71.41	16.39	0.80	<0.01	0.27	1.25	7.76	<0.01	0.56	0.22	<0.002	<20	<1	1.0	99.69	7	275	<0.2	843.0
1320478	Rock Pulp	0.05	74.36	14.96	0.43	0.01	0.37	6.10	1.77	0.02	0.40	0.05	<0.002	<20	3	0.9	99.40	7	196	<0.2	696.9
1320479	Drill Core	1.46	77.41	17.05	0.34	<0.01	0.17	1.29	1.89	<0.01	0.47	0.13	<0.002	<20	<1	1.1	99.82	2	143	0.3	380.3
1320480	Rock Pulp	0.05	70.63	18.92	0.43	0.05	0.18	2.24	4.21	<0.01	0.29	0.03	0.035	44	1	1.1	98.11	13	26	0.4	>10000
1320481	Drill Core	2.31	74.71	16.66	0.70	<0.01	0.13	4.19	1.93	<0.01	0.43	0.22	<0.002	<20	<1	0.8	99.77	2	229	<0.2	299.0
1320482	Drill Core	2.26	73.27	16.65	0.67	<0.01	0.22	5.59	1.85	<0.01	0.45	0.24	<0.002	<20	<1	0.8	99.80	3	151	<0.2	283.4
1320483	Drill Core	2.33	75.94	16.44	0.60	<0.01	0.14	3.33	2.35	<0.01	0.33	0.17	<0.002	<20	<1	0.5	99.83	1	115	0.3	325.5
1320484	Drill Core	2.29	74.21	17.08	0.63	<0.01	0.18	3.07	3.26	<0.01	0.43	0.24	<0.002	<20	<1	0.7	99.82	2	108	<0.2	375.2
1320485	Drill Core	2.14	73.53	16.67	0.78	<0.01	0.22	3.36	3.22	<0.01	0.52	0.30	<0.002	<20	<1	1.1	99.76	4	186	<0.2	410.4
1320486	Drill Core	2.29	73.38	16.64	0.70	<0.01	0.20	4.77	2.80	<0.01	0.37	0.19	<0.002	<20	<1	0.8	99.82	1	124	<0.2	237.7
1320487	Drill Core	2.22	72.00	16.80	0.64	<0.01	0.22	7.62	1.04	<0.01	0.50	0.29	<0.002	<20	<1	0.7	99.79	<1	185	0.4	161.2
1320488	Drill Core	2.01	78.55	15.63	0.52	<0.01	0.09	2.24	1.48	<0.01	0.30	0.23	<0.002	<20	<1	0.7	99.74	<1	271	<0.2	524.5
1320489	Drill Core	2.32	75.56	16.15	0.45	<0.01	0.04	0.86	5.99	<0.01	0.19	0.04	<0.002	<20	<1	0.6	99.84	6	48	<0.2	616.9
1320490	Rock Pulp	0.10	98.01	0.75	0.06	0.04	0.03	<0.01	0.18	0.05	0.03	<0.01	<0.002	<20	<1	0.8	99.93	16	<1	<0.2	0.4
1320491	Drill Core	2.29	76.84	16.19	0.53	<0.01	0.13	2.52	2.96	<0.01	0.30	0.13	<0.002	<20	<1	0.2	99.80	2	170	<0.2	415.0
1320492	Rock Pulp	0.05	74.66	14.85	0.43	0.02	0.37	6.20	1.79	0.02	0.40	0.05	<0.002	<20	3	0.6	99.36	9	168	<0.2	799.1
1320493	Drill Core	2.06	72.64	16.58	0.50	<0.01	0.13	4.71	4.23	<0.01	0.32	0.15	<0.002	<20	<1	0.5	99.77	4	189	0.8	547.5
1320494	Drill Core	2.44	75.94	17.71	0.53	<0.01	0.06	2.38	2.39	<0.01	0.19	0.10	<0.002	<20	<1	0.6	99.88	2	50	0.8	283.9
1320495	Drill Core	2.16	79.60	16.66	0.64	<0.01	0.08	1.24	1.05	<0.01	0.18	0.13	<0.002	<20	<1	0.3	99.88	1	60	0.9	243.4
1320496	Drill Core	2.17	73.59	15.88	0.69	<0.01	0.21	6.87	1.47	<0.01	0.44	0.25	<0.002	<20	<1	0.4	99.79	2	154	0.8	306.7
1320497	Drill Core	2.30	73.05	16.25	0.89	0.01	0.20	6.13	2.48	<0.01	0.32	0.17	<0.002	<20	<1	0.3	99.79	4	143	0.7	347.4
1320498	Drill Core	2.19	76.77	17.26	0.58	0.01	0.11	2.44	1.78	<0.01	0.25	0.13	<0.002	25	<1	0.5	99.82	2	101	0.9	407.1
1320499	Drill Core	2.46	77.96	16.72	0.73	0.02	0.13	1.43	1.72	<0.01	0.28	0.18	<0.002	<20	<1	0.7	99.82	3	95	1.4	325.7
1320500	Drill Core	2.17	77.45	17.16	0.51	0.02	0.10	2.87	1.10	<0.01	0.22	0.12	<0.002	<20	<1	0.3	99.84	5	94	1.6	165.7
1320501	Drill Core	2.14	76.10	15.84	0.63	<0.01	0.13	2.01	4.25	<0.01	0.36	0.16	<0.002	<20	<1	0.4	99.86	7	42	1.5	253.4
1320502	Rock Pulp	0.05	63.73	21.10	0.22	0.04	0.15	1.65	1.88	<0.01	0.24	0.03	0.014	29	<1	2.7	91.75	9	18	0.5	>10000
1320503	Drill Core	1.05	72.87	16.34	0.51	<0.01	0.20	7.44	1.12	<0.01	0.42	0.22	<0.002	<20	<1	0.7	99.79	3	173	1.0	234.0

# CERTIFICATE OF ANALYSIS

TIM13000015.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	
1320474	Drill Core	41.2	0.2	105.7	3753	115	4.8	70.5	1.0	2.9	<8	4.1	1.9	1.0	0.5	0.7	0.06	1.0	0.07	<0.02	<0.05
1320475	Drill Core	44.6	<0.1	72.7	5413	90	9.2	51.2	0.4	1.0	<8	2.8	1.0	0.6	0.5	0.4	1.32	0.4	<0.05	<0.02	<0.05
1320476	Drill Core	42.9	0.2	83.7	4208	95	4.9	63.7	1.4	2.0	<8	2.7	1.2	0.5	0.3	0.6	0.05	<0.3	<0.05	<0.02	<0.05
1320477	Drill Core	39.4	0.2	92.7	6599	81	8.2	73.7	2.2	2.5	<8	3.8	1.6	0.7	0.3	0.4	0.03	<0.3	<0.05	<0.02	<0.05
1320478	Rock Pulp	105.2	15.6	155.4	2372	795	28.2	2044	3.7	25.8	<8	4.3	46.6	0.2	0.6	0.2	0.05	0.5	<0.05	<0.02	<0.05
1320479	Drill Core	31.1	1.0	83.9	2101	51	5.4	134.8	1.4	3.7	<8	1.6	6.2	0.3	<0.1	0.1	<0.02	<0.3	<0.05	<0.02	0.08
1320480	Rock Pulp	53.1	1.5	20.2	4689	63	21.8	69.8	1.8	3.5	<8	0.7	8.5	<0.1	0.4	0.5	0.04	<0.3	<0.05	<0.02	<0.05
1320481	Drill Core	35.5	1.8	81.8	1945	69	5.6	102.2	2.4	6.0	<8	1.8	11.0	<0.1	0.2	<0.1	<0.02	<0.3	<0.05	0.05	<0.05
1320482	Drill Core	43.2	3.9	97.4	1926	82	4.8	108.5	5.9	10.1	<8	2.0	20.7	0.4	0.4	0.4	0.02	<0.3	<0.05	<0.02	<0.05
1320483	Drill Core	30.7	1.3	49.6	2260	75	5.0	58.2	2.8	3.7	<8	2.0	8.9	0.2	0.1	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
1320484	Drill Core	37.8	2.3	69.0	3134	157	5.5	75.8	6.8	17.3	<8	2.1	16.1	0.3	0.3	0.2	0.02	<0.3	<0.05	<0.02	<0.05
1320485	Drill Core	44.9	2.2	92.7	3311	151	5.5	85.7	4.3	8.0	<8	2.7	14.2	0.5	0.3	0.3	0.03	<0.3	<0.05	<0.02	<0.05
1320486	Drill Core	40.6	1.7	78.5	2715	125	3.6	87.5	4.1	7.1	<8	2.7	10.9	0.3	0.4	0.3	<0.02	0.3	<0.05	0.03	<0.05
1320487	Drill Core	44.0	2.3	109.3	1137	146	5.6	150.2	5.4	9.2	<8	2.1	13.0	0.1	0.3	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320488	Drill Core	36.4	2.4	73.3	2170	93	3.1	91.1	5.6	4.7	<8	3.2	13.9	<0.1	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320489	Drill Core	20.3	0.4	8.7	5445	21	5.2	33.9	0.4	0.9	<8	1.0	1.3	<0.1	0.2	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320490	Rock Pulp	0.7	1.4	1.0	4.0	<1	4.1	0.4	1.9	0.3	<8	<0.5	77.6	3.7	13.2	29.5	3.45	13.6	2.11	0.32	1.30
1320491	Drill Core	27.1	0.6	68.4	2836	49	4.4	107.1	3.4	3.1	<8	2.1	3.0	<0.1	0.5	0.2	0.04	<0.3	<0.05	<0.02	<0.05
1320492	Rock Pulp	116.8	22.2	176.3	2686	853	30.3	2289	4.1	24.3	<8	4.8	61.3	<0.1	0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320493	Drill Core	47.8	1.6	68.7	4361	133	5.5	111.6	3.3	6.4	<8	2.5	9.4	0.2	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320494	Drill Core	28.9	0.4	22.9	2274	74	3.6	50.3	0.8	1.5	<8	1.1	2.1	<0.1	0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320495	Drill Core	29.5	1.7	25.8	1374	44	3.0	50.1	1.7	3.5	<8	1.5	11.2	0.2	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320496	Drill Core	48.1	3.1	75.9	1644	191	5.6	110.9	4.7	8.4	<8	3.3	20.6	0.5	0.5	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320497	Drill Core	39.3	5.9	80.2	2606	125	4.8	85.7	3.6	12.6	<8	1.1	32.4	0.6	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320498	Drill Core	29.8	1.6	39.1	2173	167	3.3	59.8	1.7	5.2	<8	1.5	9.1	0.2	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320499	Drill Core	28.6	1.7	44.0	1999	220	3.0	58.0	1.5	5.4	<8	1.7	10.6	0.3	0.2	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320500	Drill Core	30.0	0.9	43.8	1242	80	3.3	54.7	1.6	5.0	52	2.6	12.2	0.5	0.7	0.5	0.10	0.9	0.30	0.05	0.28
1320501	Drill Core	28.7	1.6	40.7	3896	87	3.6	44.6	1.4	4.1	33	1.7	11.4	0.5	0.9	0.2	0.06	0.5	0.28	0.03	0.43
1320502	Rock Pulp	51.6	0.8	16.1	3793	63	29.4	67.5	2.1	2.0	<8	0.8	4.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320503	Drill Core	44.8	2.6	89.3	1334	195	4.7	118.6	4.2	7.7	28	2.9	13.4	0.4	1.0	0.8	0.06	0.7	0.16	0.06	0.32



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Project: PAK  
 Report Date: May 27, 2013

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Part: 3 of 1

# CERTIFICATE OF ANALYSIS

TIM13000015.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	7PF	7PF	8X
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01
1320474	Drill Core	0.02	0.15	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	1.03
1320475	Drill Core	<0.01	0.08	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.54
1320476	Drill Core	0.02	0.18	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.07	0.83
1320477	Drill Core	0.02	0.09	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.07	0.38
1320478	Rock Pulp	<0.01	<0.05	0.06	<0.03	<0.01	<0.05	<0.01	0.03	<0.02	<0.01	0.09
1320479	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.54
1320480	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	I.S.	1.19 2.02
1320481	Drill Core	<0.01	0.10	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.07	0.71
1320482	Drill Core	0.01	0.06	<0.02	<0.03	<0.01	0.06	<0.01	<0.02	<0.02	0.09	0.36
1320483	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	0.89
1320484	Drill Core	<0.01	0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.81
1320485	Drill Core	0.02	<0.05	<0.02	<0.03	<0.01	0.06	0.04	<0.02	<0.02	0.06	0.58
1320486	Drill Core	<0.01	0.05	<0.02	<0.03	<0.01	<0.05	0.01	<0.02	<0.02	0.06	0.39
1320487	Drill Core	<0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.07	0.12
1320488	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.13
1320489	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.92
1320490	Rock Pulp	0.19	0.87	0.20	0.54	0.08	0.43	0.08	<0.02	<0.02	<0.01	<0.01
1320491	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.88
1320492	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	<0.01	0.09
1320493	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.31
1320494	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.33
1320495	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.58
1320496	Drill Core	0.01	0.06	<0.02	<0.03	<0.01	0.05	<0.01	<0.02	<0.02	0.08	0.14
1320497	Drill Core	0.01	0.10	<0.02	<0.03	<0.01	<0.05	<0.01	0.02	<0.02	0.10	0.19
1320498	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.06	1.27
1320499	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.46
1320500	Drill Core	0.04	0.11	0.03	0.07	0.01	0.21	0.02	<0.02	<0.02	0.04	1.29
1320501	Drill Core	0.03	0.13	<0.02	0.05	0.02	0.09	0.03	<0.02	<0.02	<0.01	0.86
1320502	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.05	<0.02	<0.01	1.58 8.22
1320503	Drill Core	0.02	<0.05	0.03	0.06	<0.01	0.19	0.02	<0.02	<0.02	0.06	0.13





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Project: PAK  
 Report Date: May 27, 2013

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# CERTIFICATE OF ANALYSIS

TIM13000015.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320504	Rock Pulp	0.09	98.03	0.74	<0.04	0.04	0.03	0.03	0.18	0.05	0.02	<0.01	<0.002	<20	<1	0.8	99.90	18	<1	1.0	0.6
1320505	Drill Core	1.99	73.93	15.26	0.69	<0.01	0.21	3.78	4.39	<0.01	0.52	0.28	<0.002	<20	<1	0.7	99.75	6	203	0.6	499.9
1320506	Drill Core	2.04	74.32	16.03	0.77	0.03	0.21	5.46	1.71	<0.01	0.46	0.26	<0.002	28	<1	0.5	99.76	2	188	1.0	222.4
1320507	Drill Core	2.39	76.47	16.46	0.79	<0.01	0.21	2.46	1.98	<0.01	0.38	0.21	<0.002	<20	<1	0.8	99.81	3	172	0.5	218.0
1320508	Drill Core	2.15	73.81	16.83	0.58	<0.01	0.19	7.10	0.59	<0.01	0.33	0.17	<0.002	<20	<1	0.2	99.83	<1	112	0.8	98.0
1320509	Drill Core	2.19	74.05	16.97	0.55	<0.01	0.17	4.54	2.41	<0.01	0.31	0.15	<0.002	<20	<1	0.7	99.84	3	90	0.6	157.2
1320510	Drill Core	2.42	73.54	16.12	0.60	<0.01	0.19	6.72	1.16	<0.01	0.41	0.23	<0.002	<20	<1	0.8	99.80	1	183	1.1	167.4
1320511	Drill Core	2.31	73.91	16.48	0.76	<0.01	0.16	5.97	1.15	<0.01	0.34	0.19	<0.002	<20	<1	0.8	99.75	1	140	0.8	157.5
1320512	Drill Core	2.36	74.58	16.89	0.46	<0.01	0.12	4.60	1.93	<0.01	0.27	0.15	<0.002	<20	<1	0.8	99.80	<1	175	<0.2	132.9
1320513	Drill Core	1.34	78.71	16.63	0.63	0.03	0.14	1.39	0.59	<0.01	0.15	0.11	<0.002	<20	<1	1.4	99.84	5	64	0.7	45.2
1320514	Drill Core	2.22	74.82	13.84	1.16	0.06	0.59	3.14	4.92	<0.01	0.15	0.08	0.002	39	3	1.0	99.82	176	27	1.8	512.5
1320515	Drill Core	2.19	75.79	13.35	1.29	0.05	0.68	3.48	4.64	<0.01	0.02	0.06	<0.002	<20	3	0.5	99.89	213	5	0.4	167.7
1320516	Drill Core	2.10	75.79	13.51	1.24	0.04	0.70	3.55	4.74	<0.01	0.02	0.06	<0.002	<20	3	0.2	99.87	208	4	<0.2	124.4
1320517	Drill Core	2.81	75.41	13.71	1.24	0.04	0.70	3.50	4.64	<0.01	0.03	0.06	<0.002	<20	3	0.5	99.85	215	6	<0.2	378.4
1320518	Drill Core	2.32	75.07	13.97	1.22	0.04	0.65	3.59	4.76	<0.01	0.06	0.07	<0.002	38	3	0.4	99.84	201	12	0.8	409.3
1320519	Drill Core	2.21	75.11	13.89	1.20	0.04	0.65	3.67	4.58	<0.01	0.08	0.07	<0.002	<20	3	0.6	99.85	162	14	<0.2	323.8
1320520	Drill Core	2.12	75.04	13.84	1.19	0.03	0.66	3.52	4.72	<0.01	0.07	0.07	<0.002	<20	3	0.7	99.84	209	24	<0.2	448.8
1320521	Drill Core	2.33	75.15	13.58	1.41	0.04	0.70	3.59	4.69	0.01	0.03	0.06	<0.002	<20	3	0.6	99.86	209	4	0.3	324.9
1320522	Drill Core	2.38	75.81	13.54	1.24	0.04	0.67	3.49	4.48	<0.01	0.05	0.06	<0.002	<20	3	0.5	99.87	204	3	<0.2	206.8
1320523	Drill Core	1.85	74.54	14.22	1.39	0.03	0.61	3.26	4.29	0.01	0.14	0.08	<0.002	<20	3	1.2	99.82	229	15	<0.2	578.5
1320524	Drill Core	1.10	73.61	14.82	1.98	0.06	0.66	3.53	4.16	0.02	0.09	0.08	<0.002	<20	4	0.9	99.87	223	5	0.6	203.9
1320525	Rock Pulp	0.05	74.41	15.05	0.40	0.03	0.38	6.18	1.79	0.02	0.41	0.05	<0.002	<20	3	0.6	99.34	8	180	0.7	807.9
1320526	Drill Core	2.53	75.12	13.82	1.35	0.07	0.63	3.24	4.78	0.01	0.07	0.07	<0.002	<20	3	0.6	99.80	222	93	<0.2	423.4
1320527	Rock Pulp	0.05	72.43	16.39	0.45	0.04	0.25	2.91	5.92	<0.01	0.32	0.02	0.037	<20	1	0.6	99.37	18	31	0.7	5256
1320528	Drill Core	2.91	75.31	14.04	1.09	0.05	0.63	3.88	4.34	<0.01	0.07	0.07	<0.002	<20	3	0.4	99.86	116	32	<0.2	426.5
1320529	Drill Core	2.48	75.15	14.04	1.11	0.04	0.63	3.83	4.34	<0.01	0.08	0.07	<0.002	<20	3	0.6	99.86	115	32	<0.2	418.4
1320530	Drill Core	2.32	75.48	13.73	1.06	0.03	0.66	3.98	4.39	<0.01	0.09	0.07	<0.002	<20	3	0.4	99.90	114	10	<0.2	218.3
1320531	Drill Core	2.09	75.84	13.53	1.18	0.04	0.69	3.63	4.60	<0.01	0.02	0.07	<0.002	<20	2	0.3	99.90	96	4	<0.2	160.5
1320532	Drill Core	1.77	75.14	13.67	1.21	0.06	0.66	3.53	4.65	<0.01	0.05	0.07	<0.002	<20	3	0.8	99.88	106	28	<0.2	339.7
1320533	Drill Core	2.21	74.17	13.94	0.97	0.04	0.51	3.79	4.28	<0.01	0.17	0.09	<0.002	<20	2	1.8	99.79	135	38	<0.2	876.9

# CERTIFICATE OF ANALYSIS

TIM13000015.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
1320504	Rock Pulp	2.7	1.5	2.4	8.8	<1	4.9	1.1	2.1	0.3	22	<0.5	71.5	4.5	17.3	29.6	4.01	14.7	2.70	0.43	1.88
1320505	Drill Core	44.6	3.9	103.0	4378	94	4.2	104.1	4.0	10.8	<8	2.5	24.7	0.5	0.4	0.5	0.03	<0.3	<0.05	<0.02	<0.05
1320506	Drill Core	42.2	2.2	75.8	2023	386	2.9	96.7	5.3	10.6	<8	2.6	14.4	0.4	0.3	0.3	0.44	<0.3	<0.05	<0.02	<0.05
1320507	Drill Core	34.8	2.7	63.0	2193	151	2.9	71.6	3.3	9.6	<8	2.1	19.0	0.7	0.5	0.6	0.03	<0.3	<0.05	<0.02	<0.05
1320508	Drill Core	40.1	2.3	56.4	666.2	172	5.3	117.1	4.6	6.4	<8	0.9	12.2	<0.1	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320509	Drill Core	36.0	2.5	43.4	2266	194	3.2	68.4	3.8	7.3	<8	1.2	16.0	0.2	0.2	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320510	Drill Core	44.2	2.1	62.4	1401	185	4.0	87.7	5.0	7.2	<8	1.9	14.5	0.2	0.4	0.4	<0.02	<0.3	<0.05	<0.02	<0.05
1320511	Drill Core	40.6	2.2	66.1	1317	153	3.4	110.6	5.6	6.3	<8	1.4	15.8	0.1	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320512	Drill Core	37.5	2.4	45.8	2033	359	2.6	92.8	4.0	5.8	<8	1.2	16.9	0.2	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320513	Drill Core	23.3	1.6	20.2	591.7	655	12.0	42.0	1.4	2.1	<8	<0.5	7.9	0.4	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320514	Drill Core	19.9	2.7	12.6	2367	35	40.7	9.0	15.7	10.2	<8	2.8	49.8	13.4	13.3	27.9	3.27	12.1	2.99	0.24	3.15
1320515	Drill Core	14.4	2.6	8.7	271.5	8	53.2	1.6	16.9	9.2	<8	1.3	53.7	15.1	16.5	33.1	3.88	14.7	3.04	0.30	2.83
1320516	Drill Core	14.7	2.5	9.1	191.6	3	53.1	1.5	17.0	7.9	<8	0.6	55.6	16.9	17.0	32.8	4.05	13.8	3.11	0.33	3.11
1320517	Drill Core	13.8	3.4	10.3	991.9	11	52.8	1.6	18.3	8.9	<8	2.4	58.4	17.0	17.5	34.2	3.97	13.6	3.32	0.32	3.17
1320518	Drill Core	16.2	2.8	13.2	1186	13	49.3	7.6	16.4	5.3	<8	1.5	45.1	14.7	14.0	26.6	3.17	12.2	2.58	0.27	2.56
1320519	Drill Core	16.5	3.2	14.4	1009	22	43.7	12.8	16.5	6.3	<8	1.6	52.8	16.7	14.1	28.7	3.33	13.2	3.08	0.26	2.86
1320520	Drill Core	17.6	2.7	10.1	1093	15	49.8	5.8	15.8	6.1	<8	1.3	45.5	15.5	14.5	28.7	3.43	13.5	2.75	0.30	2.57
1320521	Drill Core	14.6	2.3	9.9	481.3	6	50.0	1.8	18.9	6.1	<8	1.1	48.3	14.8	17.8	33.9	4.12	17.2	3.42	0.34	2.86
1320522	Drill Core	15.2	2.7	9.9	552.7	6	49.8	2.1	18.8	6.0	<8	0.9	52.7	15.3	16.5	34.4	4.02	15.1	3.24	0.31	3.12
1320523	Drill Core	20.1	2.6	14.1	2344	43	51.1	10.4	16.5	6.0	<8	5.3	47.0	16.2	16.5	32.1	3.78	12.0	3.30	0.32	3.06
1320524	Drill Core	21.3	2.0	11.2	778.9	13	53.3	8.3	14.1	6.5	<8	1.4	45.7	14.0	15.3	30.2	3.46	15.0	2.78	0.32	2.45
1320525	Rock Pulp	111.5	21.5	164.1	2624	900	29.7	2402	5.4	24.5	<8	4.7	53.9	<0.1	0.4	0.4	<0.02	<0.3	<0.05	<0.02	<0.05
1320526	Drill Core	17.8	2.6	11.7	1166	16	49.3	7.4	19.1	6.7	<8	2.0	46.6	15.1	17.9	35.4	4.19	14.3	3.38	0.34	3.14
1320527	Rock Pulp	53.0	1.1	18.8	6282	51	23.3	61.8	1.2	3.2	<8	0.6	7.5	<0.1	0.6	0.5	0.02	<0.3	<0.05	<0.02	<0.05
1320528	Drill Core	17.0	2.1	17.0	1158	27	34.0	33.4	14.1	8.5	<8	1.3	38.7	15.0	12.4	25.5	2.80	9.9	2.24	0.20	2.41
1320529	Drill Core	16.5	2.7	18.8	1171	17	34.3	24.9	12.2	8.3	<8	1.4	43.5	13.8	11.2	23.1	2.53	9.7	2.05	0.19	2.12
1320530	Drill Core	15.6	1.9	9.2	829.2	12	33.9	7.3	12.7	6.7	<8	1.3	38.0	14.3	10.9	22.2	2.46	9.0	2.01	0.18	2.23
1320531	Drill Core	12.7	1.8	7.7	527.0	7	33.3	1.9	13.8	7.0	<8	0.7	42.9	18.9	11.5	23.9	2.60	9.1	2.26	0.19	2.41
1320532	Drill Core	14.3	2.0	8.5	926.5	8	32.5	3.0	12.8	7.0	<8	0.9	42.1	16.3	11.7	23.2	2.55	9.2	2.17	0.17	2.37
1320533	Drill Core	18.9	1.6	24.1	2211	35	33.9	59.5	12.4	6.4	<8	4.2	35.6	11.6	10.9	22.2	2.42	8.4	1.98	0.17	1.78



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Project: PAK  
 Report Date: May 27, 2013

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Part: 3 of 1

# CERTIFICATE OF ANALYSIS

TIM13000015.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	7PF	7PF	8X
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01
1320504	Rock Pulp	0.17	0.98	0.15	0.39	0.07	0.41	0.07	<0.02	<0.02	<0.01	<0.01
1320505	Drill Core	0.01	0.08	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.17
1320506	Drill Core	<0.01	0.08	0.03	<0.03	<0.01	0.05	<0.01	<0.02	<0.02	0.07	0.35
1320507	Drill Core	0.01	0.07	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.97
1320508	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	0.41
1320509	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	0.68
1320510	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.22
1320511	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.49
1320512	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.71
1320513	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.56
1320514	Drill Core	0.49	2.76	0.46	1.13	0.19	1.16	0.19	<0.02	<0.02	0.05	0.14
1320515	Drill Core	0.45	2.72	0.44	1.34	0.22	1.60	0.25	<0.02	<0.02	0.03	0.08
1320516	Drill Core	0.48	3.04	0.57	1.59	0.26	1.48	0.24	<0.02	<0.02	0.04	0.07
1320517	Drill Core	0.46	2.88	0.57	1.63	0.27	1.74	0.25	<0.02	<0.02	0.03	0.09
1320518	Drill Core	0.40	2.46	0.47	1.46	0.25	1.62	0.25	<0.02	<0.02	0.04	0.09
1320519	Drill Core	0.41	2.79	0.58	1.62	0.26	1.69	0.29	<0.02	<0.02	0.04	0.09
1320520	Drill Core	0.41	2.49	0.50	1.34	0.21	1.66	0.22	<0.02	<0.02	0.05	0.11
1320521	Drill Core	0.46	2.45	0.49	1.57	0.24	1.41	0.24	<0.02	<0.02	0.03	0.08
1320522	Drill Core	0.46	2.79	0.52	1.53	0.24	1.83	0.23	<0.02	<0.02	0.01	0.09
1320523	Drill Core	0.47	3.32	0.47	1.47	0.23	1.59	0.22	<0.02	<0.02	0.11	0.23
1320524	Drill Core	0.37	2.15	0.41	1.23	0.19	1.13	0.19	<0.02	<0.02	0.22	0.12
1320525	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.03	<0.02	<0.01	0.09
1320526	Drill Core	0.47	3.08	0.52	1.51	0.22	1.34	0.21	<0.02	<0.02	0.04	0.10
1320527	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.05	<0.02	<0.01	0.40
1320528	Drill Core	0.38	2.39	0.49	1.41	0.24	1.56	0.23	<0.02	<0.02	0.03	0.11
1320529	Drill Core	0.35	2.30	0.47	1.38	0.23	1.36	0.21	<0.02	<0.02	0.02	0.11
1320530	Drill Core	0.33	2.47	0.46	1.51	0.24	1.52	0.25	<0.02	<0.02	0.03	0.07
1320531	Drill Core	0.42	2.98	0.64	1.93	0.30	1.78	0.30	0.03	<0.02	0.02	0.07
1320532	Drill Core	0.38	2.55	0.55	1.59	0.27	1.74	0.25	<0.02	<0.02	0.02	0.09
1320533	Drill Core	0.30	1.96	0.40	1.07	0.17	1.03	0.19	<0.02	<0.02	0.03	0.15

# CERTIFICATE OF ANALYSIS

TIM13000015.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320534	Drill Core	2.25	74.48	13.77	1.25	0.04	0.64	3.55	4.45	<0.01	0.03	0.07	<0.002	<20	3	1.5	99.82	183	6	<0.2	847.4
1320535	Drill Core	2.33	72.69	15.65	0.73	0.02	0.43	5.25	3.14	<0.01	0.27	0.11	<0.002	<20	1	1.5	99.80	84	85	0.2	703.6
1320536	Drill Core	2.14	74.70	14.46	1.07	0.03	0.53	4.58	3.74	<0.01	0.09	0.07	<0.002	<20	2	0.5	99.77	142	116	<0.2	828.2
1320537	Rock Pulp	0.09	98.01	0.79	0.06	0.03	0.04	0.05	0.22	0.05	0.02	<0.01	<0.002	<20	<1	0.7	99.94	22	<1	0.6	0.3
1320538	Drill Core	1.09	74.68	14.18	1.12	0.04	0.65	3.60	5.00	<0.01	0.07	0.06	<0.002	<20	3	0.4	99.81	194	5	<0.2	811.8
1320539	Rock Pulp	0.05	74.18	15.23	0.37	0.02	0.38	6.09	1.80	0.02	0.39	0.05	<0.002	<20	3	0.9	99.42	9	169	0.3	730.8

# CERTIFICATE OF ANALYSIS

TIM13000015.1

	Method	4A-4B																				
		Analyte	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
1320534	Drill Core	13.5	2.4	8.3	1435	20	44.1	1.9	15.5	6.8	<8	2.2	43.7	15.5	15.3	31.3	3.46	13.8	2.81	0.26	2.63	
1320535	Drill Core	26.0	1.7	44.2	1814	48	22.5	57.2	10.0	5.8	<8	3.4	25.2	7.6	7.7	14.1	1.58	6.4	1.19	0.13	1.25	
1320536	Drill Core	18.6	2.3	29.7	1236	20	39.1	30.1	15.0	7.1	<8	2.6	37.5	13.5	12.0	24.3	2.55	9.8	1.95	0.22	2.21	
1320537	Rock Pulp	1.5	1.7	2.5	4.9	<1	9.8	0.2	2.1	0.4	<8	<0.5	82.4	4.4	14.8	27.6	3.26	13.1	1.78	0.34	1.34	
1320538	Drill Core	15.4	2.7	8.7	1330	15	47.3	8.1	14.6	6.1	<8	1.7	57.3	15.2	14.1	28.0	3.17	12.1	2.46	0.24	2.43	
1320539	Rock Pulp	102.2	17.7	167.4	2405	800	29.5	2018	3.2	23.8	<8	4.4	49.0	0.1	0.3	0.3	<0.02	<0.3	<0.05	<0.02	0.06	



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Project: PAK  
 Report Date: May 27, 2013

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Part: 3 of 1

# CERTIFICATE OF ANALYSIS

TIM13000015.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B 2A	Leco 2A	Leco	7PF	7PF	8X
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	
1320534	Drill Core	0.41	2.54	0.51	1.42	0.23	1.51	0.23	<0.02	<0.02	0.04	0.13	
1320535	Drill Core	0.19	1.12	0.22	0.70	0.11	0.66	0.11	<0.02	<0.02	0.05	0.17	
1320536	Drill Core	0.34	2.07	0.45	1.16	0.21	1.36	0.19	<0.02	<0.02	0.02	0.10	
1320537	Rock Pulp	0.15	0.78	0.14	0.37	0.07	0.40	0.06	<0.02	<0.02	<0.01	<0.01	
1320538	Drill Core	0.41	2.53	0.44	1.34	0.22	1.39	0.20	<0.02	<0.02	0.06	0.08	
1320539	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.03	<0.02	<0.01	0.08	

# QUALITY CONTROL REPORT

TIM13000015.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320017	Drill Core	2.44	68.37	18.02	0.25	<0.01	0.09	1.94	8.48	<0.01	0.54	0.12	<0.002	<20	<1	1.7	99.54	73	308	<0.2	1146
1320091	Drill Core	2.30	73.15	17.18	0.36	0.02	0.08	0.80	6.51	<0.01	0.30	0.05	<0.002	<20	<1	1.4	99.82	17	6	0.3	946.2
1320481	Drill Core	2.31	74.71	16.66	0.70	<0.01	0.13	4.19	1.93	<0.01	0.43	0.22	<0.002	<20	<1	0.8	99.77	2	229	<0.2	299.0
1320518	Drill Core	2.32	75.07	13.97	1.22	0.04	0.65	3.59	4.76	<0.01	0.06	0.07	<0.002	38	3	0.4	99.84	201	12	0.8	409.3
Pulp Duplicates																					
1320006	Drill Core	2.12	74.48	15.50	0.51	0.01	0.17	6.62	1.33	<0.01	0.31	0.09	0.002	<20	<1	0.8	99.83	10	97	<0.2	388.5
REP 1320006	QC																				
1320019	Drill Core	1.98	73.83	14.22	0.29	<0.01	0.09	1.67	9.04	<0.01	0.28	0.04	<0.002	<20	<1	0.4	99.87	48	22	<0.2	490.5
REP 1320019	QC																				
1320026	Drill Core	2.33	70.21	16.71	0.26	0.01	0.12	1.47	8.44	<0.01	0.64	0.11	0.002	<20	<1	1.8	99.76	47	89	<0.2	1096
REP 1320026	QC																				
1320033	Drill Core	2.10	75.02	15.39	0.70	0.02	0.21	4.45	2.92	<0.01	0.26	0.14	<0.002	<20	<1	0.7	99.76	13	185	<0.2	408.6
REP 1320033	QC		74.86	15.47	0.68	0.02	0.21	4.52	2.94	<0.01	0.26	0.13	<0.002	<20	<1	0.7	99.76	11	185	<0.2	418.8
1320039	Drill Core	2.06	72.61	16.84	0.40	0.01	0.26	7.82	0.73	<0.01	0.35	0.13	<0.002	<20	<1	0.5	99.64	3	565	<0.2	225.6
REP 1320039	QC		73.00	16.60	0.43	<0.01	0.25	7.73	0.72	<0.01	0.30	0.13	<0.002	<20	<1	0.5	99.66	4	573	<0.2	231.6
REP 1320041	QC																				
1320054	Drill Core	2.16	70.55	16.04	0.42	<0.01	0.15	1.75	9.47	<0.01	0.40	0.15	0.003	<20	<1	0.8	99.74	35	263	<0.2	867.9
REP 1320054	QC																				
1320058	Rock Pulp	0.05	64.29	21.36	0.22	0.04	0.15	1.61	1.85	<0.01	0.25	0.03	0.014	<20	<1	2.4	92.24	7	31	<0.2	>10000
REP 1320058	QC																				
1320061	Drill Core	1.36	76.54	16.60	0.51	0.01	0.21	4.52	0.90	<0.01	0.29	0.19	<0.002	<20	<1	0.0	99.78	4	175	<0.2	206.7
REP 1320061	QC																				
REP 1320075	QC																				
1320094	Rock Pulp	0.05	67.84	21.12	0.31	0.05	0.16	1.78	2.85	<0.01	0.27	0.03	0.018	<20	1	2.0	96.43	12	28	<0.2	>10000
REP 1320094	QC																				
1320096	Rock Pulp	0.09	97.31	0.71	0.10	0.03	0.04	0.01	0.16	0.05	0.04	<0.01	<0.002	<20	<1	1.5	99.92	13	1	<0.2	1.7
REP 1320096	QC																				
1320097	Drill Core	2.26	70.34	18.18	0.39	<0.01	0.08	1.15	7.81	<0.01	0.21	0.05	<0.002	<20	<1	1.6	99.80	13	96	3.3	833.5
REP 1320097	QC																				

# QUALITY CONTROL REPORT

TIM13000015.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	
1320017	Drill Core	50.6	1.6	28.7	8891	1147	16.7	103.8	0.4	2.0	<8	4.0	4.8	0.2	0.3	0.3	0.18	<0.3	<0.05	<0.02	<0.05
1320091	Drill Core	21.3	0.6	18.8	4838	34	6.0	62.9	0.4	1.0	<8	1.1	1.7	<0.1	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320481	Drill Core	35.5	1.8	81.8	1945	69	5.6	102.2	2.4	6.0	<8	1.8	11.0	<0.1	0.2	<0.1	<0.02	<0.3	<0.05	0.05	<0.05
1320518	Drill Core	16.2	2.8	13.2	1186	13	49.3	7.6	16.4	5.3	<8	1.5	45.1	14.7	14.0	26.6	3.17	12.2	2.58	0.27	2.56
Pulp Duplicates																					
1320006	Drill Core	41.2	2.8	34.8	1722	59	11.3	131.4	3.1	7.1	<8	1.5	15.3	1.3	1.5	2.8	0.36	1.2	0.26	0.03	0.29
REP 1320006	QC																				
1320019	Drill Core	21.9	0.4	8.0	7225	33	10.5	38.7	1.0	0.9	<8	<0.5	3.3	0.2	0.3	0.5	0.03	0.3	<0.05	<0.02	0.08
REP 1320019	QC																				
1320026	Drill Core	49.0	0.6	22.7	8948	137	22.1	59.1	0.2	1.2	<8	3.4	2.5	0.2	0.4	0.9	0.07	0.5	<0.05	<0.02	0.10
REP 1320026	QC																				
1320033	Drill Core	45.5	2.6	111.1	2862	103	9.0	164.1	5.7	6.6	<8	2.3	15.6	1.3	1.2	2.9	0.32	1.3	0.23	0.06	0.27
REP 1320033	QC	44.2	2.7	110.8	2847	112	9.8	166.1	5.7	6.7	<8	2.7	16.6	1.6	1.4	3.3	0.29	0.8	0.20	0.03	0.24
1320039	Drill Core	53.7	1.3	69.2	926.7	104	9.4	152.7	1.7	5.0	8	1.3	7.9	0.6	1.3	1.8	0.06	<0.3	0.07	<0.02	<0.05
REP 1320039	QC	50.3	1.0	94.6	944.0	121	10.4	173.5	1.6	5.1	9	2.1	5.2	0.5	1.3	1.2	0.08	1.0	0.10	<0.02	<0.05
REP 1320041	QC																				
1320054	Drill Core	31.1	0.8	18.2	7968	39	10.9	36.8	3.3	1.3	<8	1.0	6.3	0.2	0.6	0.4	<0.02	<0.3	<0.05	<0.02	<0.05
REP 1320054	QC																				
1320058	Rock Pulp	50.6	0.7	13.8	3826	51	27.2	60.8	0.5	1.4	<8	0.6	5.6	0.3	0.3	<0.1	<0.02	<0.3	<0.05	<0.02	0.06
REP 1320058	QC																				
1320061	Drill Core	34.6	0.9	54.7	999.3	160	8.3	123.9	3.4	3.9	<8	1.3	6.2	0.5	0.7	0.7	0.03	<0.3	<0.05	0.05	<0.05
REP 1320061	QC																				
REP 1320075	QC																				
1320094	Rock Pulp	53.5	0.6	17.5	3703	64	20.4	65.9	1.0	2.9	<8	<0.5	5.6	<0.1	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
REP 1320094	QC																				
1320096	Rock Pulp	1.0	1.7	1.2	5.5	<1	4.3	0.4	2.3	0.2	<8	<0.5	69.0	3.0	12.9	26.9	3.21	12.3	2.21	0.32	1.08
REP 1320096	QC																				
1320097	Drill Core	27.1	0.5	13.7	6165	35	6.5	37.7	0.4	0.9	<8	2.3	3.4	0.3	0.4	0.2	0.04	0.6	0.09	0.07	0.24
REP 1320097	QC																				



## QUALITY CONTROL REPORT

TIM13000015.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	7PF	7PF	8X
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	0.01
1320017	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.54	
1320091	Drill Core	<0.01	<0.05	0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.12	
1320481	Drill Core	<0.01	0.10	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.07	0.71	
1320518	Drill Core	0.40	2.46	0.47	1.46	0.25	1.62	0.25	<0.02	<0.02	0.04	0.09	
Pulp Duplicates													
1320006	Drill Core	0.04	0.21	0.06	0.10	0.02	0.17	0.02	<0.02	<0.02	0.09	0.24	
REP 1320006	QC											0.24	
1320019	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	0.07	
REP 1320019	QC										0.02		
1320026	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.45	
REP 1320026	QC								<0.02	<0.02			
1320033	Drill Core	0.03	0.29	0.05	0.26	0.04	0.13	0.04	<0.02	<0.02	0.15	0.26	
REP 1320033	QC	0.04	0.24	0.04	0.18	0.03	0.18	0.02					
1320039	Drill Core	0.01	<0.05	0.05	<0.03	0.01	0.09	0.03	<0.02	<0.02	0.09	0.14	
REP 1320039	QC	0.02	<0.05	<0.02	<0.03	0.04	0.11	0.04					
REP 1320041	QC											0.28	
1320054	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	0.03	<0.02	<0.02	0.03	0.15	
REP 1320054	QC										0.03		
1320058	Rock Pulp	<0.01	<0.05	<0.02	<0.03	0.15	0.06	0.02	0.05	<0.02	<0.01	1.61	8.32
REP 1320058	QC												8.37
1320061	Drill Core	<0.01	0.12	<0.02	<0.03	<0.01	0.12	0.02	<0.02	<0.02	0.04	0.79	
REP 1320061	QC								<0.02	<0.02			
REP 1320075	QC											1.30	
1320094	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	1.48	3.89
REP 1320094	QC												3.99
1320096	Rock Pulp	0.16	0.65	0.15	0.43	0.07	0.45	0.06	<0.02	<0.02	<0.01	<0.01	
REP 1320096	QC								<0.02	<0.02			
1320097	Drill Core	0.04	0.38	<0.02	0.05	0.01	0.07	0.02	<0.02	<0.02	<0.01	0.97	
REP 1320097	QC										<0.01		

# QUALITY CONTROL REPORT

TIM13000015.1

	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320110	Drill Core	2.07	74.78	16.80	0.68	0.01	0.12	1.24	4.07	<0.01	0.67	0.24	<0.002	<20	<1	1.0	99.62	6	137	<0.2	2126
REP 1320110	QC																				
1320479	Drill Core	1.46	77.41	17.05	0.34	<0.01	0.17	1.29	1.89	<0.01	0.47	0.13	<0.002	<20	<1	1.1	99.82	2	143	0.3	380.3
REP 1320479	QC		76.88	17.38	0.50	0.02	0.17	1.29	1.91	<0.01	0.48	0.13	<0.002	<20	<1	1.1	99.82	2	134	0.3	379.0
1320480	Rock Pulp	0.05	70.63	18.92	0.43	0.05	0.18	2.24	4.21	<0.01	0.29	0.03	0.035	44	1	1.1	98.11	13	26	0.4	>10000
REP 1320480	QC																				
1320484	Drill Core	2.29	74.21	17.08	0.63	<0.01	0.18	3.07	3.26	<0.01	0.43	0.24	<0.002	<20	<1	0.7	99.82	2	108	<0.2	375.2
REP 1320484	QC																				
1320487	Drill Core	2.22	72.00	16.80	0.64	<0.01	0.22	7.62	1.04	<0.01	0.50	0.29	<0.002	<20	<1	0.7	99.79	<1	185	0.4	161.2
REP 1320487	QC																				
1320491	Drill Core	2.29	76.84	16.19	0.53	<0.01	0.13	2.52	2.96	<0.01	0.30	0.13	<0.002	<20	<1	0.2	99.80	2	170	<0.2	415.0
REP 1320491	QC		77.00	16.18	0.48	<0.01	0.14	2.49	2.89	<0.01	0.31	0.13	<0.002	<20	<1	0.2	99.81	2	145	<0.2	411.6
1320498	Drill Core	2.19	76.77	17.26	0.58	0.01	0.11	2.44	1.78	<0.01	0.25	0.13	<0.002	25	<1	0.5	99.82	2	101	0.9	407.1
REP 1320498	QC																				
1320502	Rock Pulp	0.05	63.73	21.10	0.22	0.04	0.15	1.65	1.88	<0.01	0.24	0.03	0.014	29	<1	2.7	91.75	9	18	0.5	>10000
REP 1320502	QC																				
1320519	Drill Core	2.21	75.11	13.89	1.20	0.04	0.65	3.67	4.58	<0.01	0.08	0.07	<0.002	<20	3	0.6	99.85	162	14	<0.2	323.8
REP 1320519	QC																				
1320522	Drill Core	2.38	75.81	13.54	1.24	0.04	0.67	3.49	4.48	<0.01	0.05	0.06	<0.002	<20	3	0.5	99.87	204	3	<0.2	206.8
REP 1320522	QC																				
1320526	Drill Core	2.53	75.12	13.82	1.35	0.07	0.63	3.24	4.78	0.01	0.07	0.07	<0.002	<20	3	0.6	99.80	222	93	<0.2	423.4
REP 1320526	QC		75.23	13.71	1.38	0.07	0.62	3.23	4.77	0.01	0.07	0.07	<0.002	<20	3	0.6	99.82	216	81	<0.2	418.7
1320533	Drill Core	2.21	74.17	13.94	0.97	0.04	0.51	3.79	4.28	<0.01	0.17	0.09	<0.002	<20	2	1.8	99.79	135	38	<0.2	876.9
REP 1320533	QC																				
1320539	Rock Pulp	0.05	74.18	15.23	0.37	0.02	0.38	6.09	1.80	0.02	0.39	0.05	<0.002	<20	3	0.9	99.42	9	169	0.3	730.8
REP 1320539	QC																				
Core Reject Duplicates																					
1320007	Drill Core	2.09	70.10	17.57	0.47	0.01	0.33	7.14	1.64	<0.01	0.98	0.11	<0.002	<20	<1	1.4	99.77	15	176	<0.2	484.2
DUP 1320007	QC	N.A.	69.55	18.06	0.59	0.01	0.35	7.09	1.63	<0.01	0.95	0.11	<0.002	<20	<1	1.4	99.76	16	171	<0.2	472.9



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Project: PAK  
 Report Date: May 27, 2013

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# QUALITY CONTROL REPORT

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		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
1320110	Drill Core	33.4	1.6	44.2	3833	76	7.0	183.8	0.7	4.8	<8	3.4	9.1	0.4	0.8	0.6	0.03	<0.3	<0.05	<0.02	0.08
REP 1320110	QC																				
1320479	Drill Core	31.1	1.0	83.9	2101	51	5.4	134.8	1.4	3.7	<8	1.6	6.2	0.3	<0.1	0.1	<0.02	<0.3	<0.05	<0.02	0.08
REP 1320479	QC	31.4	1.0	73.7	2072	48	6.3	142.0	1.5	3.5	<8	1.6	6.2	0.3	<0.1	0.1	<0.02	<0.3	<0.05	<0.02	0.14
1320480	Rock Pulp	53.1	1.5	20.2	4689	63	21.8	69.8	1.8	3.5	<8	0.7	8.5	<0.1	0.4	0.5	0.04	<0.3	<0.05	<0.02	<0.05
REP 1320480	QC																				
1320484	Drill Core	37.8	2.3	69.0	3134	157	5.5	75.8	6.8	17.3	<8	2.1	16.1	0.3	0.3	0.2	0.02	<0.3	<0.05	<0.02	<0.05
REP 1320484	QC																				
1320487	Drill Core	44.0	2.3	109.3	1137	146	5.6	150.2	5.4	9.2	<8	2.1	13.0	0.1	0.3	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
REP 1320487	QC																				
1320491	Drill Core	27.1	0.6	68.4	2836	49	4.4	107.1	3.4	3.1	<8	2.1	3.0	<0.1	0.5	0.2	0.04	<0.3	<0.05	<0.02	<0.05
REP 1320491	QC	27.9	0.8	66.0	2804	51	4.7	109.5	3.6	3.0	<8	2.0	3.6	0.2	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320498	Drill Core	29.8	1.6	39.1	2173	167	3.3	59.8	1.7	5.2	<8	1.5	9.1	0.2	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
REP 1320498	QC																				
1320502	Rock Pulp	51.6	0.8	16.1	3793	63	29.4	67.5	2.1	2.0	<8	0.8	4.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
REP 1320502	QC																				
1320519	Drill Core	16.5	3.2	14.4	1009	22	43.7	12.8	16.5	6.3	<8	1.6	52.8	16.7	14.1	28.7	3.33	13.2	3.08	0.26	2.86
REP 1320519	QC																				
1320522	Drill Core	15.2	2.7	9.9	552.7	6	49.8	2.1	18.8	6.0	<8	0.9	52.7	15.3	16.5	34.4	4.02	15.1	3.24	0.31	3.12
REP 1320522	QC																				
1320526	Drill Core	17.8	2.6	11.7	1166	16	49.3	7.4	19.1	6.7	<8	2.0	46.6	15.1	17.9	35.4	4.19	14.3	3.38	0.34	3.14
REP 1320526	QC	16.7	2.0	12.7	1169	17	47.6	5.9	17.5	6.4	<8	1.7	46.6	15.7	16.0	32.3	3.66	14.1	3.03	0.29	2.85
1320533	Drill Core	18.9	1.6	24.1	2211	35	33.9	59.5	12.4	6.4	<8	4.2	35.6	11.6	10.9	22.2	2.42	8.4	1.98	0.17	1.78
REP 1320533	QC																				
1320539	Rock Pulp	102.2	17.7	167.4	2405	800	29.5	2018	3.2	23.8	<8	4.4	49.0	0.1	0.3	0.3	<0.02	<0.3	<0.05	<0.02	0.06
REP 1320539	QC																				
Core Reject Duplicates																					
1320007	Drill Core	50.8	3.3	71.9	2251	130	12.1	203.8	3.2	6.1	<8	2.8	16.0	3.5	2.5	6.8	0.61	2.1	0.51	0.09	0.55
DUP 1320007	QC	50.5	3.7	74.2	2215	124	12.3	201.8	3.1	6.6	<8	3.0	17.3	3.7	2.5	5.5	0.54	2.4	0.42	0.10	0.58

## QUALITY CONTROL REPORT

TIM13000015.1

		4A-4B Tb ppm 0.01	4A-4B Dy ppm 0.05	4A-4B Ho ppm 0.02	4A-4B Er ppm 0.03	4A-4B Tm ppm 0.01	4A-4B Yb ppm 0.05	4A-4B 2A Lu ppm 0.01	Leco 2A TOT/C % 0.02	Leco TOT/S % 0.02	7PF B % 0.01	7PF Li % 0.01	8X Cs % 0.01
1320110	Drill Core	0.03	0.07	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	1.16	
REP 1320110	QC											1.14	
1320479	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.54	
REP 1320479	QC	0.02	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01					
1320480	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	I.S.	1.19	2.02
REP 1320480	QC												2.01
1320484	Drill Core	<0.01	0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.81	
REP 1320484	QC								<0.02	<0.02			
1320487	Drill Core	<0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.07	0.12	
REP 1320487	QC										0.07		
1320491	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.88	
REP 1320491	QC	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01					
1320498	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.06	1.27	
REP 1320498	QC											1.27	
1320502	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.05	<0.02	<0.01	1.58	8.22
REP 1320502	QC												8.21
1320519	Drill Core	0.41	2.79	0.58	1.62	0.26	1.69	0.29	<0.02	<0.02	0.04	0.09	
REP 1320519	QC								<0.02	<0.02			
1320522	Drill Core	0.46	2.79	0.52	1.53	0.24	1.83	0.23	<0.02	<0.02	0.01	0.09	
REP 1320522	QC										0.01		
1320526	Drill Core	0.47	3.08	0.52	1.51	0.22	1.34	0.21	<0.02	<0.02	0.04	0.10	
REP 1320526	QC	0.43	2.88	0.56	1.47	0.25	1.41	0.23					
1320533	Drill Core	0.30	1.96	0.40	1.07	0.17	1.03	0.19	<0.02	<0.02	0.03	0.15	
REP 1320533	QC											0.15	
1320539	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.03	<0.02	<0.01	0.08	
REP 1320539	QC								0.03	<0.02	<0.01		
Core Reject Duplicates													
1320007	Drill Core	0.08	0.40	0.11	0.27	0.05	0.27	0.05	<0.02	<0.02	0.08	0.36	
DUP 1320007	QC	0.11	0.36	0.08	0.26	0.05	0.44	0.04	<0.02	<0.02	0.08	0.36	



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Project: PAK  
 Report Date: May 27, 2013

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# QUALITY CONTROL REPORT

TIM13000015.1

		WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs
		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm
		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1
1320041	Drill Core	2.16	73.97	15.20	0.73	0.02	0.34	4.79	2.88	<0.01	0.31	0.15	<0.002	<20	2	1.3	99.66	45	297	<0.2	486.0
DUP 1320041	QC	N.A.	73.93	15.24	0.68	<0.01	0.35	4.69	3.05	<0.01	0.36	0.15	<0.002	<20	1	1.3	99.71	48	304	<0.2	465.4
1320075	Drill Core	2.21	79.35	16.33	0.39	0.03	0.11	1.76	1.04	<0.01	0.17	0.08	<0.002	<20	<1	0.6	99.86	2	79	<0.2	201.6
DUP 1320075	QC	N.A.	79.40	16.05	0.40	0.03	0.12	1.88	1.13	<0.01	0.17	0.09	<0.002	<20	<1	0.6	99.86	4	77	<0.2	202.4
1320109	Drill Core	2.39	73.33	17.80	0.62	0.01	0.16	1.01	5.35	<0.01	0.24	0.11	0.002	<20	<1	1.2	99.84	7	12	<0.2	719.5
DUP 1320109	QC	N.A.	74.50	17.27	0.53	<0.01	0.16	0.94	4.88	<0.01	0.24	0.11	<0.002	<20	<1	1.2	99.84	4	16	<0.2	663.4
1320496	Drill Core	2.17	73.59	15.88	0.69	<0.01	0.21	6.87	1.47	<0.01	0.44	0.25	<0.002	<20	<1	0.4	99.79	2	154	0.8	306.7
DUP 1320496	QC	N.A.	73.31	16.21	0.67	<0.01	0.19	6.92	1.44	<0.01	0.40	0.23	<0.002	<20	<1	0.4	99.77	2	180	0.6	304.7
1320530	Drill Core	2.32	75.48	13.73	1.06	0.03	0.66	3.98	4.39	<0.01	0.09	0.07	<0.002	<20	3	0.4	99.90	114	10	<0.2	218.3
DUP 1320530	QC	N.A.	75.46	13.77	1.21	0.04	0.67	3.89	4.28	<0.01	0.09	0.07	<0.002	<20	3	0.4	99.89	116	6	<0.2	203.2
Reference Materials																					
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
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STD GS311-1	Standard																				
STD GS910-4	Standard																				
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This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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# QUALITY CONTROL REPORT

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		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
1320041	Drill Core	38.8	1.4	84.5	3441	57	15.1	139.7	8.7	4.9	<8	3.9	24.8	7.2	7.3	14.5	1.44	7.0	1.22	0.08	1.18
DUP 1320041	QC	42.4	1.3	73.0	3689	65	20.4	135.5	7.5	4.8	<8	4.0	22.6	5.9	5.8	10.3	1.03	5.4	0.98	0.08	1.00
1320075	Drill Core	25.4	0.6	33.1	1003	38	3.2	53.6	1.5	2.2	<8	1.0	3.5	0.2	0.3	0.3	<0.02	0.3	<0.05	<0.02	<0.05
DUP 1320075	QC	26.0	0.3	40.8	1084	39	4.0	70.3	1.4	2.4	<8	1.5	1.9	0.1	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320109	Drill Core	29.7	0.5	20.2	4273	44	7.9	28.8	0.7	1.7	<8	2.9	5.6	1.4	0.5	0.8	0.10	0.8	0.11	<0.02	0.13
DUP 1320109	QC	27.9	0.8	18.0	4033	50	8.0	28.6	0.5	1.2	<8	2.5	4.1	0.8	0.3	0.5	0.05	<0.3	0.09	<0.02	0.09
1320496	Drill Core	48.1	3.1	75.9	1644	191	5.6	110.9	4.7	8.4	<8	3.3	20.6	0.5	0.5	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
DUP 1320496	QC	48.1	3.9	80.8	1631	178	5.2	112.7	3.9	9.1	<8	1.9	27.5	0.4	0.4	0.4	<0.02	<0.3	<0.05	<0.02	<0.05
1320530	Drill Core	15.6	1.9	9.2	829.2	12	33.9	7.3	12.7	6.7	<8	1.3	38.0	14.3	10.9	22.2	2.46	9.0	2.01	0.18	2.23
DUP 1320530	QC	14.2	2.0	8.6	810.5	12	33.5	5.7	13.4	6.5	<8	1.5	46.2	15.2	11.3	23.4	2.57	10.3	2.01	0.19	2.27
Reference Materials																					
STD 183	Standard																				
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STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				

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Acme Analytical Laboratories (Vancouver) Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: May 27, 2013

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# QUALITY CONTROL REPORT

TIM13000015.1

		4A-4B Tb ppm 0.01	4A-4B Dy ppm 0.05	4A-4B Ho ppm 0.02	4A-4B Er ppm 0.03	4A-4B Tm ppm 0.01	4A-4B Yb ppm 0.05	4A-4B 2A Lu ppm 0.01	Leco 2A TOT/C %	Leco TOT/S %	7PF B %	7PF Li %	8X Cs %
1320041	Drill Core	0.17	1.20	0.23	0.45	0.09	0.56	0.13	<0.02	<0.02	0.08	0.28	
DUP 1320041	QC	0.14	0.93	0.18	0.55	0.17	0.47	0.10	<0.02	<0.02	0.09	0.28	
1320075	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.43	
DUP 1320075	QC	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.40	
1320109	Drill Core	0.06	0.16	<0.02	0.07	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	1.16	
DUP 1320109	QC	0.06	0.11	<0.02	<0.03	0.01	0.05	<0.01	<0.02	<0.02	0.04	1.22	
1320496	Drill Core	0.01	0.06	<0.02	<0.03	<0.01	0.05	<0.01	<0.02	<0.02	0.08	0.14	
DUP 1320496	QC	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.07	0.13	
1320530	Drill Core	0.33	2.47	0.46	1.51	0.24	1.52	0.25	<0.02	<0.02	0.03	0.07	
DUP 1320530	QC	0.34	2.40	0.48	1.43	0.26	1.53	0.24	<0.02	<0.02	0.03	0.08	
Reference Materials													
STD 183	Standard											1.92	
STD 183	Standard											1.83	
STD 183	Standard											1.84	
STD 183	Standard											1.86	
STD 183	Standard											1.79	
STD 183	Standard											1.86	
STD GS311-1	Standard								0.95	2.33			
STD GS311-1	Standard								0.95	2.32			
STD GS311-1	Standard								0.96	2.33			
STD GS311-1	Standard								0.92	2.28			
STD GS311-1	Standard								0.94	2.29			
STD GS311-1	Standard								0.94	2.36			
STD GS910-4	Standard								2.65	8.51			
STD GS910-4	Standard								2.66	8.28			
STD GS910-4	Standard								2.71	8.19			
STD GS910-4	Standard								2.56	7.99			
STD GS910-4	Standard								2.67	8.18			
STD GS910-4	Standard								2.64	8.22			



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 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: May 27, 2013

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Part: 1 of 1

# QUALITY CONTROL REPORT

TIM13000015.1

		WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
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STD LI-1	Standard																					
STD LIBF	Standard																					
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STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD MICA-FE(D)	Standard																					
STD MICA-FE(D)	Standard																					
STD MICA-FE(D)	Standard																					
STD MICA-FE(D)	Standard																					
STD OREAS72B	Standard																					
STD OREAS72B	Standard																					
STD OREAS72B	Standard																					
STD OREAS72B	Standard																					
STD SO-18	Standard		58.50	14.17	7.44	3.29	6.32	3.60	2.08	0.69	0.80	0.40	0.536	38	23	1.9	99.73	480	<1	24.8	7.6	
STD SO-18	Standard		58.77	13.97	7.48	3.29	6.25	3.57	2.08	0.68	0.80	0.40	0.538	40	23	1.9	99.74	478	<1	24.9	6.3	
STD SO-18	Standard		58.45	14.03	7.60	3.33	6.20	3.65	2.15	0.68	0.82	0.40	0.534	25	23	1.9	99.74	483	<1	24.0	12.3	

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 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: May 27, 2013

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# QUALITY CONTROL REPORT

TIM13000015.1

		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B		
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
STD LI-1	Standard																					
STD LI-1	Standard																					
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STD LIBF	Standard																					
STD MICA-FE(D)	Standard																					
STD MICA-FE(D)	Standard																					
STD MICA-FE(D)	Standard																					
STD MICA-FE(D)	Standard																					
STD OREAS72B	Standard																					
STD OREAS72B	Standard																					
STD OREAS72B	Standard																					
STD OREAS72B	Standard																					
STD SO-18	Standard	16.0	8.5	19.0	25.6	13	398.4	6.6	9.8	15.9	202	12.8	265.8	32.3	12.3	27.3	3.26	13.9	2.79	0.95	2.92	
STD SO-18	Standard	16.6	8.6	18.9	26.2	15	387.0	6.6	9.2	15.5	193	13.6	268.2	29.4	12.3	26.1	3.26	11.6	2.99	0.88	3.07	
STD SO-18	Standard	17.3	8.5	16.3	28.0	13	387.0	6.9	10.2	15.9	193	12.6	271.9	30.6	12.0	28.3	3.24	14.0	3.06	0.91	2.89	

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Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: May 27, 2013

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# QUALITY CONTROL REPORT

TIM13000015.1

		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B 2A	Leco 2A	Leco	7PF	7PF	8X
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%
		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01
STD LI-1	Standard											1.62	
STD LI-1	Standard											1.60	
STD LI-1	Standard											1.52	
STD LI-1	Standard											1.54	
STD LI-1	Standard											1.60	
STD LI-1	Standard											1.55	
STD LIBF	Standard										3.96		
STD LIBF	Standard										4.04		
STD LIBF	Standard										4.07		
STD LIBF	Standard										4.23		
STD LIBF	Standard										3.98		
STD LIBF	Standard										4.10		
STD LIBF	Standard										4.25		
STD LIBF	Standard										4.17		
STD LIBF	Standard										4.18		
STD LIBF	Standard										4.24		
STD LIBF	Standard										4.09		
STD LIBF	Standard										4.16		
STD MICA-FE(D)	Standard												0.02
STD MICA-FE(D)	Standard												0.02
STD MICA-FE(D)	Standard												0.02
STD MICA-FE(D)	Standard												0.02
STD OREAS72B	Standard												<0.01
STD OREAS72B	Standard												<0.01
STD OREAS72B	Standard												<0.01
STD OREAS72B	Standard												<0.01
STD SO-18	Standard	0.54	2.68	0.71	2.17	0.34	1.69	0.30					
STD SO-18	Standard	0.54	3.28	0.67	1.71	0.29	2.14	0.29					
STD SO-18	Standard	0.52	2.77	0.76	1.99	0.30	2.19	0.33					



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Project: PAK  
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Part: 1 of 1

# QUALITY CONTROL REPORT

TIM13000015.1

	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
STD SO-18	Standard	57.99	14.30	7.59	3.37	6.39	3.62	2.08	0.69	0.81	0.40	0.550	35	24	1.9	99.69	487	1	23.8	7.6	
STD SO-18	Standard	58.56	14.02	7.51	3.28	6.36	3.61	2.12	0.68	0.78	0.39	0.533	35	23	1.9	99.76	462	<1	23.1	7.4	
STD SO-18	Standard	58.59	14.04	7.50	3.32	6.24	3.62	2.16	0.68	0.81	0.39	0.533	41	23	1.9	99.80	490	<1	25.7	6.4	
STD SO-18	Standard	58.63	13.99	7.45	3.31	6.27	3.58	2.15	0.68	0.80	0.40	0.540	36	23	1.9	99.72	519	<1	27.4	7.3	
STD SO-18	Standard	58.44	14.07	7.51	3.33	6.30	3.63	2.15	0.69	0.79	0.40	0.537	34	23	1.9	99.75	469	2	24.5	6.3	
STD SO-18	Standard	58.23	14.05	7.55	3.30	6.36	3.68	2.15	0.76	0.81	0.40	0.554	40	23	1.9	99.75	494	1	25.7	6.6	
STD SO-18	Standard	58.47	14.04	7.60	3.35	6.29	3.56	2.09	0.68	0.81	0.40	0.545	54	24	1.9	99.74	524	1	27.5	8.8	
STD SO-18	Standard	58.39	14.00	7.59	3.35	6.24	3.64	2.17	0.69	0.83	0.40	0.556	49	24	1.9	99.75	499	2	24.4	8.0	
STD SO-18	Standard	58.00	14.12	7.65	3.34	6.36	3.70	2.16	0.70	0.84	0.40	0.564	44	24	1.9	99.73	533	1	29.5	6.9	
STD SO-18	Standard	58.29	14.04	7.62	3.34	6.31	3.67	2.14	0.68	0.79	0.40	0.547	47	23	1.9	99.74	507	<1	25.9	6.4	
STD SO-18	Standard	58.53	13.92	7.52	3.36	6.38	3.63	2.10	0.69	0.79	0.39	0.536	48	23	1.9	99.74	497	3	25.3	7.7	
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD 183 Expected																					
STD LI-1 Expected																					
STD SO-18 Expected		58.47	14.23	7.67	3.35	6.42	3.71	2.17	0.69	0.83	0.39	0.55	44	25			514		26.2	7.1	
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	0.02	<1	<1	<0.2	2.5	
BLK	Blank	<0.01	<0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	<0.1	
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	0.1	
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	0.5	0.5	
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				

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Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: May 27, 2013

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# QUALITY CONTROL REPORT

TIM13000015.1

		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
STD SO-18	Standard	17.3	9.3	18.6	26.7	13	386.2	6.5	10.0	15.2	197	14.0	271.6	29.3	12.2	26.7	3.25	14.5	2.80	0.90	2.89
STD SO-18	Standard	17.5	8.7	20.1	26.4	15	373.0	5.9	9.8	15.3	190	12.5	254.0	31.2	11.2	29.0	3.29	15.1	2.88	0.88	3.18
STD SO-18	Standard	17.7	9.6	19.4	30.2	15	400.8	6.7	9.2	16.0	203	13.5	278.7	29.3	12.2	26.8	3.34	12.6	2.78	0.81	2.80
STD SO-18	Standard	17.7	8.6	19.7	29.1	13	388.0	6.8	9.9	15.8	191	14.0	269.9	30.5	12.4	26.4	3.43	13.0	2.87	0.86	3.04
STD SO-18	Standard	16.9	8.0	18.1	26.7	13	374.0	6.4	9.3	14.4	185	12.7	275.2	28.8	12.3	24.8	3.13	13.2	2.69	0.82	2.63
STD SO-18	Standard	17.0	8.8	19.2	27.4	15	408.2	6.4	9.4	16.5	202	14.0	277.0	28.5	12.4	26.3	3.11	13.1	2.64	0.83	2.74
STD SO-18	Standard	16.5	10.5	19.2	28.1	15	396.4	7.9	11.2	16.4	203	15.4	290.2	31.4	13.0	27.5	3.61	14.3	3.04	0.89	3.28
STD SO-18	Standard	16.7	9.9	20.0	26.8	14	385.2	6.5	11.0	16.6	189	14.5	277.4	29.5	11.7	25.8	3.32	12.2	2.88	0.94	2.99
STD SO-18	Standard	18.5	8.9	19.4	27.4	14	421.0	6.7	9.7	15.1	225	13.8	283.7	30.7	12.4	25.9	3.27	15.4	2.86	0.94	3.11
STD SO-18	Standard	17.2	9.7	19.7	28.2	15	406.5	6.3	9.8	15.2	198	13.8	277.3	30.0	12.8	26.4	3.15	13.2	2.61	0.89	3.27
STD SO-18	Standard	18.7	9.2	20.9	29.4	13	398.1	6.4	11.1	15.8	211	13.5	281.9	30.1	12.5	28.7	3.33	14.2	2.63	0.96	2.96
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD 183 Expected																					
STD LI-1 Expected																					
STD SO-18 Expected		17.6	9.8	21.3	28.7	15	407.4	7.4	9.9	16.4	200	14.8	280	31	12.3	27.1	3.45	14	3	0.89	2.93
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.5	<0.1	<0.1	1.7	<1	<0.5	0.3	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
BLK	Blank	<0.5	<0.1	<0.1	0.6	<1	<0.5	0.5	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
BLK	Blank	<0.5	<0.1	<0.1	0.1	<1	<0.5	0.3	<0.2	<0.1	<8	<0.5	0.5	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
BLK	Blank	<0.5	<0.1	0.6	1.8	<1	<0.5	0.3	<0.2	<0.1	<8	<0.5	1.2	0.2	<0.1	0.2	<0.02	0.4	0.12	0.02	0.07
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				

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Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: May 27, 2013

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# QUALITY CONTROL REPORT

TIM13000015.1

		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B 2A	Leco 2A	Leco	7PF	7PF	8X
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%
		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01
STD SO-18	Standard	0.56	3.26	0.67	2.13	0.32	1.67	0.34					
STD SO-18	Standard	0.54	2.89	0.71	2.00	0.31	2.08	0.33					
STD SO-18	Standard	0.47	2.94	0.57	1.68	0.25	1.76	0.26					
STD SO-18	Standard	0.49	2.79	0.58	1.71	0.27	1.56	0.24					
STD SO-18	Standard	0.42	2.81	0.58	1.61	0.25	1.57	0.24					
STD SO-18	Standard	0.45	2.83	0.57	1.69	0.23	1.85	0.23					
STD SO-18	Standard	0.49	3.08	0.61	1.76	0.27	1.94	0.27					
STD SO-18	Standard	0.47	3.25	0.64	1.72	0.27	1.58	0.28					
STD SO-18	Standard	0.45	2.83	0.61	1.75	0.26	1.99	0.28					
STD SO-18	Standard	0.45	2.75	0.55	1.66	0.27	1.57	0.26					
STD SO-18	Standard	0.45	2.95	0.57	1.69	0.26	1.85	0.29					
STD GS311-1 Expected									1.02	2.35			
STD GS910-4 Expected									2.65	8.27			
STD 183 Expected												1.91402	
STD LI-1 Expected													1.53
STD SO-18 Expected		0.53	3	0.62	1.84	0.27	1.79	0.27					
BLK	Blank								<0.02	<0.02			
BLK	Blank								<0.02	<0.02			
BLK	Blank								<0.02	<0.02			
BLK	Blank								<0.02	<0.02			
BLK	Blank								<0.02	<0.02			
BLK	Blank								<0.02	<0.02			
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01					
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01					
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01					
BLK	Blank	0.01	<0.05	<0.02	<0.03	0.04	0.07	0.02					
BLK	Blank											<0.01	
BLK	Blank											<0.01	
BLK	Blank											<0.01	

## QUALITY CONTROL REPORT

TIM13000015.1

		WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs
		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm
		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank		0.17	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	0.17	1	<1	0.4	0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank		<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	2	<0.2	8.3
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1-TIM	Prep Blank		61.18	13.97	3.13	3.06	5.99	3.08	3.22	0.36	0.16	0.09	0.003	<20	5	5.5	99.76	836	2	3.3	3.7
G1-TIM	Prep Blank		62.51	14.33	3.16	2.64	5.43	3.12	3.55	0.36	0.17	0.09	<0.002	<20	5	4.4	99.73	974	4	3.1	3.6



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 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: May 27, 2013

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Part: 2 of 1

# QUALITY CONTROL REPORT

TIM13000015.1

		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
BLK	Blank	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.5	<0.1	0.2	1.4	<1	0.6	<0.1	<0.2	<0.1	<8	<0.5	0.7	<0.1	0.2	<0.1	0.05	<0.3	<0.05	0.02	0.17
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.5	<0.1	0.1	3.7	<1	<0.5	1.0	<0.2	<0.1	<8	<0.5	0.4	<0.1	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1-TIM	Prep Blank	18.1	4.0	17.7	103.7	1	608.8	1.2	8.0	3.1	47	<0.5	132.6	15.1	23.6	51.7	5.76	20.4	3.55	1.08	3.33
G1-TIM	Prep Blank	17.6	3.6	18.6	105.2	2	616.8	1.2	8.0	2.8	49	<0.5	125.8	15.9	25.6	57.4	6.11	22.6	3.89	1.13	3.23

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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**Client:** **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

**Project:** PAK  
**Report Date:** May 27, 2013

**Page:** 6 of 6

**Part:** 3 of 1

# QUALITY CONTROL REPORT

TIM13000015.1

		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B 2A	Leco 2A	Leco	7PF	7PF	8X
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%
		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01
BLK	Blank											<0.01	
BLK	Blank												<0.01
BLK	Blank												<0.01
BLK	Blank												<0.01
BLK	Blank											<0.01	
BLK	Blank											<0.01	
BLK	Blank	0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01					
BLK	Blank										<0.01		
BLK	Blank										<0.01		
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01					
BLK	Blank										<0.01		
BLK	Blank										<0.01		<0.01
BLK	Blank										<0.01		
BLK	Blank										<0.01		
Prep Wash													
G1-TIM	Prep Blank	0.54	2.79	0.58	1.97	0.31	2.36	0.34	1.12	<0.02	0.01	<0.01	
G1-TIM	Prep Blank	0.55	2.88	0.64	1.86	0.30	2.23	0.34	0.89	<0.02	0.01	<0.01	





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**Client:** **Houston Lake Mining**  
2892 White St.  
Val Caron ON P3N 1B2 CANADA

Submitted By: Trevor Walker  
Receiving Lab: Canada-Timmins  
Received: June 04, 2013  
Report Date: June 25, 2013  
Page: 1 of 8

## CERTIFICATE OF ANALYSIS

TIM13000015R.4

### CLIENT JOB INFORMATION

Project: PAK  
Shipment ID:  
P.O. Number  
Number of Samples: 186

### SAMPLE DISPOSAL

RTRN-PLP Return  
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Houston Lake Mining  
2892 White St.  
Val Caron ON P3N 1B2  
CANADA

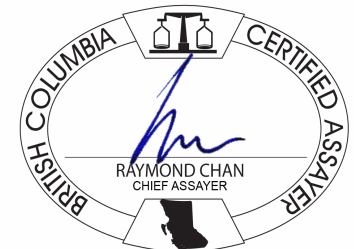
CC: Garth Drever  
Steve Beyer

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
8X	184	X-Ray fluorescence / Fusion from Siemens		Completed	VAN

### ADDITIONAL COMMENTS

Version 4: 8X Cs Rb Ta results reprocessed using updated calibration



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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**Client:** **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

**Project:** PAK  
**Report Date:** June 25, 2013

**Page:** 2 of 8

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

TIM13000015R.4

Method	8X	8X	8X	
Analyte	Rb	Ta	Cs	
Unit	%	ppm	%	
MDL	0.01	10	0.01	
1320001	Drill Core	0.19	16	0.04
1320002	Drill Core	0.24	96	0.05
1320003	Drill Core	0.19	286	0.05
1320004	Drill Core	0.42	170	0.08
1320005	Drill Core	0.26	238	0.06
1320006	Drill Core	0.20	172	0.05
1320007	Drill Core	0.25	218	0.06
1320008	Drill Core	0.47	55	0.07
1320009	Drill Core	0.69	66	0.07
1320010	Rock Pulp	<0.01	11	<0.01
1320011	Drill Core	0.54	96	0.09
1320012	Rock Pulp	0.27	2295	0.08
1320013	Drill Core	1.02	33	0.07
1320014	Drill Core	0.85	102	0.11
1320015	Drill Core	0.99	84	0.13
1320016	Drill Core	1.04	35	0.09
1320017	Drill Core	0.90	108	0.13
1320018	Drill Core	0.54	97	0.08
1320019	Drill Core	0.76	47	0.05
1320020	Drill Core	0.65	170	0.14
1320021	Drill Core	0.71	89	0.09
1320022	Rock Pulp	0.70	71	0.61
1320023	Drill Core	0.83	46	0.08
1320024	Rock Pulp	<0.01	<10	<0.01
1320025	Drill Core	0.63	137	0.11
1320026	Drill Core	0.90	59	0.12
1320027	Drill Core	0.94	87	0.15
1320028	Drill Core	0.89	71	0.10
1320029	Drill Core	0.73	109	0.10
1320030	Drill Core	0.76	111	0.09



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**Client:** **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

**Project:** PAK  
**Report Date:** June 25, 2013

**Page:** 3 of 8

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

TIM13000015R.4

Method	8X	8X	8X	
Analyte	Rb	Ta	Cs	
Unit	%	ppm	%	
MDL	0.01	10	0.01	
1320031	Drill Core	0.82	121	0.09
1320032	Drill Core	0.61	118	0.07
1320033	Drill Core	0.32	173	0.05
1320034	Rock Pulp	0.27	2244	0.08
1320035	Drill Core	0.31	75	0.06
1320036	Rock Pulp	0.44	75	3.90
1320037	Drill Core	0.14	194	0.03
1320038	Drill Core	0.20	186	0.03
1320039	Drill Core	0.10	152	0.03
1320040	Drill Core	0.15	204	0.03
1320041	Drill Core	0.36	125	0.05
1320042	Drill Core	0.42	149	0.06
1320043	Drill Core	0.66	110	0.07
1320044	Drill Core	0.49	113	0.07
1320045	Drill Core	0.71	84	0.08
1320046	Rock Pulp	<0.01	<10	<0.01
1320047	Drill Core	0.66	57	0.07
1320048	Rock Pulp	0.27	2208	0.08
1320049	Drill Core	0.58	147	0.09
1320050	Drill Core	0.63	93	0.07
1320051	Drill Core	0.61	113	0.07
1320052	Drill Core	0.61	131	0.06
1320053	Drill Core	0.45	129	0.06
1320054	Drill Core	0.80	50	0.09
1320055	Drill Core	0.74	124	0.07
1320056	Drill Core	0.52	143	0.11
1320057	Drill Core	0.58	113	0.14
1320058	Rock Pulp	0.42	64	7.85
1320059	Drill Core	0.79	122	0.09
1320060	Rock Pulp	<0.01	11	<0.01



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 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 25, 2013

Page: 4 of 8

Part: 1 of 1

## CERTIFICATE OF ANALYSIS

TIM13000015R.4

Method	8X	8X	8X	
Analyte	Rb	Ta	Cs	
Unit	%	ppm	%	
MDL	0.01	10	0.01	
1320061	Drill Core	0.11	109	0.02
1320062	Drill Core	0.95	57	0.10
1320063	Drill Core	0.60	119	0.08
1320064	Drill Core	0.47	79	0.08
1320065	Drill Core	0.23	171	0.04
1320066	Drill Core	0.32	220	0.09
1320067	Drill Core	0.24	144	0.14
1320068	Drill Core	0.26	235	0.05
1320069	Drill Core	0.42	43	0.10
1320070	Rock Pulp	0.27	2237	0.08
1320071	Drill Core	0.30	182	0.06
1320072	Rock Pulp	0.54	77	2.03
1320073	Drill Core	0.41	230	0.11
1320074	Drill Core	0.30	123	0.06
1320075	Drill Core	0.12	63	0.03
1320076	Drill Core	0.07	63	0.02
1320077	Drill Core	0.20	54	0.04
1320078	Drill Core	0.62	56	0.09
1320079	Drill Core	0.57	71	0.08
1320080	Drill Core	0.36	91	0.07
1320081	Drill Core	0.15	253	0.12
1320082	Rock Pulp	<0.01	<10	<0.01
1320083	Drill Core	0.05	28	0.03
1320084	Rock Pulp	0.28	2333	0.08
1320085	Drill Core	0.14	95	0.04
1320086	Drill Core	0.08	112	0.05
1320087	Drill Core	0.02	50	0.04
1320088	Drill Core	0.45	97	0.08
1320089	Drill Core	0.49	355	0.10
1320090	Drill Core	0.65	142	0.16

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**Client:** **Houston Lake Mining**  
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**Project:** PAK  
**Report Date:** June 25, 2013

**Page:** 5 of 8

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

TIM13000015R.4

Method	8X	8X	8X	
Analyte	Rb	Ta	Cs	
Unit	%	ppm	%	
MDL	0.01	10	0.01	
1320091	Drill Core	0.53	61	0.10
1320092	Drill Core	0.08	110	0.03
1320093	Drill Core	0.13	136	0.03
1320094	Rock Pulp	I.S.	I.S.	I.S.
1320095	Drill Core	0.12	131	0.04
1320096	Rock Pulp	<0.01	<10	<0.01
1320097	Drill Core	0.62	57	0.09
1320098	Drill Core	0.34	46	0.08
1320099	Drill Core	0.29	42	0.04
1320100	Drill Core	0.44	64	0.06
1320101	Drill Core	0.48	54	0.06
1320102	Drill Core	0.11	65	0.03
1320103	Drill Core	0.64	73	0.09
1320104	Drill Core	0.39	33	0.05
1320105	Drill Core	0.43	40	0.06
1320106	Rock Pulp	0.42	86	7.88
1320107	Drill Core	0.31	26	0.04
1320108	Rock Pulp	0.27	2270	0.08
1320109	Drill Core	0.47	41	0.08
1320110	Drill Core	0.41	189	0.23
1320111	Drill Core	0.44	33	0.06
1320465	Drill Core	0.41	31	0.07
1320466	Rock Pulp	0.68	70	0.60
1320467	Drill Core	0.67	25	0.07
1320468	Rock Pulp	<0.01	<10	<0.01
1320469	Drill Core	0.17	97	0.07
1320470	Drill Core	0.33	74	0.04
1320471	Drill Core	0.11	97	0.02
1320472	Drill Core	0.21	81	0.05
1320473	Drill Core	0.25	95	0.04



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**Project:** PAK  
**Report Date:** June 25, 2013

**Page:** 6 of 8

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

TIM13000015R.4

Method	8X	8X	8X	
Analyte	Rb	Ta	Cs	
Unit	%	ppm	%	
MDL	0.01	10	0.01	
1320474	Drill Core	0.43	74	0.07
1320475	Drill Core	0.53	60	0.07
1320476	Drill Core	0.47	71	0.07
1320477	Drill Core	0.69	80	0.09
1320478	Rock Pulp	0.27	2280	0.08
1320479	Drill Core	0.21	146	0.04
1320480	Rock Pulp	I.S.	I.S.	I.S.
1320481	Drill Core	0.22	106	0.04
1320482	Drill Core	0.21	123	0.03
1320483	Drill Core	0.26	64	0.04
1320484	Drill Core	0.35	89	0.04
1320485	Drill Core	0.37	97	0.05
1320486	Drill Core	0.30	111	0.03
1320487	Drill Core	0.13	171	0.02
1320488	Drill Core	0.24	106	0.06
1320489	Drill Core	0.58	43	0.07
1320490	Rock Pulp	<0.01	<10	<0.01
1320491	Drill Core	0.31	96	0.05
1320492	Rock Pulp	0.27	2286	0.08
1320493	Drill Core	0.42	83	0.05
1320494	Drill Core	0.24	45	0.03
1320495	Drill Core	0.14	51	0.02
1320496	Drill Core	0.17	108	0.03
1320497	Drill Core	0.27	87	0.04
1320498	Drill Core	0.23	59	0.04
1320499	Drill Core	0.22	58	0.04
1320500	Drill Core	0.14	56	0.02
1320501	Drill Core	0.40	55	0.03
1320502	Rock Pulp	I.S.	I.S.	I.S.
1320503	Drill Core	0.14	115	0.02



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 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 25, 2013

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Part: 1 of 1

## CERTIFICATE OF ANALYSIS

TIM13000015R.4

Method	8X	8X	8X
Analyte	Rb	Ta	Cs
Unit	%	ppm	%
MDL	0.01	10	0.01
1320504	Rock Pulp	<0.01	11 <0.01
1320505	Drill Core	0.45	94 0.05
1320506	Drill Core	0.22	94 0.02
1320507	Drill Core	0.24	75 0.02
1320508	Drill Core	0.07	135 <0.01
1320509	Drill Core	0.25	79 0.02
1320510	Drill Core	0.15	98 0.02
1320511	Drill Core	0.14	103 0.01
1320512	Drill Core	0.21	108 0.01
1320513	Drill Core	0.06	38 <0.01
1320514	Drill Core	0.25	13 0.05
1320515	Drill Core	0.03	15 0.02
1320516	Drill Core	0.02	13 0.02
1320517	Drill Core	0.10	<10 0.03
1320518	Drill Core	0.13	15 0.04
1320519	Drill Core	0.11	22 0.03
1320520	Drill Core	0.11	14 0.04
1320521	Drill Core	0.05	10 0.03
1320522	Drill Core	0.06	<10 0.02
1320523	Drill Core	0.23	13 0.06
1320524	Drill Core	0.08	16 0.02
1320525	Rock Pulp	0.27	2321 0.08
1320526	Drill Core	0.13	13 0.04
1320527	Rock Pulp	0.69	73 0.61
1320528	Drill Core	0.13	52 0.05
1320529	Drill Core	0.13	35 0.05
1320530	Drill Core	0.09	12 0.02
1320531	Drill Core	0.06	<10 0.02
1320532	Drill Core	0.10	11 0.04
1320533	Drill Core	0.24	49 0.10



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Acme Analytical Laboratories (Vancouver) Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

**Project:** PAK  
**Report Date:** June 25, 2013

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**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

TIM13000015R.4

	Method	8X	8X	8X
	Analyte	Rb	Ta	Cs
	Unit	%	ppm	%
	MDL	0.01	10	0.01
1320534	Drill Core	0.17	11	0.10
1320535	Drill Core	0.20	73	0.08
1320536	Drill Core	0.12	34	0.09
1320537	Rock Pulp	<0.01	<10	<0.01
1320538	Drill Core	0.14	24	0.09
1320539	Rock Pulp	0.27	2282	0.08



## QUALITY CONTROL REPORT

TIM13000015R.4

Method		8X	8X	8X
Analyte		Rb	Ta	Cs
Unit		%	ppm	%
MDL		0.01	10	0.01
Pulp Duplicates				
1320028	Drill Core	0.89	71	0.10
REP 1320028	QC	0.89	62	0.10
1320063	Drill Core	0.60	119	0.08
REP 1320063	QC	0.60	124	0.07
1320098	Drill Core	0.34	46	0.08
REP 1320098	QC	0.34	49	0.07
1320486	Drill Core	0.30	111	0.03
REP 1320486	QC	0.30	106	0.03
1320521	Drill Core	0.05	10	0.03
REP 1320521	QC	0.05	10	0.03
1320538	Drill Core	0.14	24	0.09
REP 1320538	QC	0.14	18	0.09
Core Reject Duplicates				
1320007	Drill Core	0.25	218	0.06
DUP 1320007	QC	0.24	226	0.06
1320041	Drill Core	0.36	125	0.05
DUP 1320041	QC	0.36	128	0.05
1320075	Drill Core	0.12	63	0.03
DUP 1320075	QC	0.12	75	0.03
1320109	Drill Core	0.47	41	0.08
DUP 1320109	QC	0.45	33	0.07
1320496	Drill Core	0.17	108	0.03
DUP 1320496	QC	0.17	105	0.03
1320530	Drill Core	0.09	12	0.02
DUP 1320530	QC	0.09	<10	0.03
Reference Materials				
STD MICA-FE(D)	Standard	0.21	21	0.02
STD MICA-FE(D)	Standard	0.21	<10	0.02

## QUALITY CONTROL REPORT

TIM13000015R.4

		8X Rb %	8X Ta ppm	8X Cs %
		0.01	10	0.01
STD MICA-FE(D)	Standard	0.21	17	0.02
STD MICA-FE(D)	Standard	0.21	15	0.02
STD MICA-FE(D)	Standard	0.21	30	0.01
STD MICA-FE(D)	Standard	0.21	22	0.02
STD OREAS72B	Standard	<0.01	44	<0.01
STD OREAS72B	Standard	<0.01	33	<0.01
STD OREAS72B	Standard	<0.01	43	<0.01
STD OREAS72B	Standard	<0.01	51	<0.01
STD OREAS72B	Standard	<0.01	46	<0.01
STD OREAS72B	Standard	<0.01	49	<0.01
STD TAN-1(D)	Standard	0.27	2326	0.08
STD TAN-1(D)	Standard	0.27	2315	0.08
STD TAN-1(D)	Standard	0.27	2324	0.08
STD TAN-1(D)	Standard	0.27	2336	0.08
STD TAN-1(D)	Standard	0.27	2332	0.08
STD TAN-1(D)	Standard	0.27	2319	0.08
STD VS-N(D)	Standard	0.08	626	0.09
STD VS-N(D)	Standard	0.08	613	0.09
STD VS-N(D)	Standard	0.08	606	0.09
STD VS-N(D)	Standard	0.08	604	0.09
STD VS-N(D)	Standard	0.08	623	0.09
STD VS-N	Standard	0.08	618	0.09
STD OREAS72B Expected			3.69	
STD VS-N(D) Expected				0.0942
STD TAN-1(D) Expected			2360	
BLK	Blank	<0.01	10	<0.01
BLK	Blank	<0.01	13	<0.01
BLK	Blank	<0.01	<10	<0.01
BLK	Blank	<0.01	15	<0.01



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 PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

**Project:** PAK  
**Report Date:** June 25, 2013

**Page:** 3 of 3

**Part:** 1 of 1

## QUALITY CONTROL REPORT

TIM13000015R.4

		8X Rb %	8X Ta ppm	8X Cs %
BLK	Blank	<0.01	<10	<0.01
BLK	Blank	<0.01	<10	<0.01
Prep Wash				
G1	Prep Blank	0.01	14	<0.01



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Acme Analytical Laboratories (Vancouver) Ltd.  
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
2892 White St.  
Val Caron ON P3N 1B2 CANADA

Submitted By: Trevor Walker  
Receiving Lab: Canada-Timmins  
Received: May 06, 2013  
Report Date: June 18, 2013  
Page: 1 of 8

## CERTIFICATE OF ANALYSIS

TIM13000017.1

### CLIENT JOB INFORMATION

Project: PAK  
Shipment ID:  
P.O. Number  
Number of Samples: 189

### SAMPLE DISPOSAL

RTRN-PLP Return  
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Houston Lake Mining  
2892 White St.  
Val Caron ON P3N 1B2  
CANADA

CC: Garth Drever  
Steve Beyer

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	159	Crush, split and pulverize 250 g rock to 200 mesh			TIM
4AB2	189	Whole Rock Analysis Majors and Trace Elements	0.2	Completed	VAN
7PF1	189	Fusion digestion (Na2O2) to 100 mL, analyzed by ICP-ES.	0.25	Completed	VAN
7PF1	189	Na2O2 fusion, analysis by ICP-ES	0.25	Completed	VAN
8X	9	X-Ray fluorescence / Fusion		Completed	VAN
1F06	8	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte	Wgt	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	MgO	CaO	Na <sub>2</sub> O	K <sub>2</sub> O	TiO <sub>2</sub>	P <sub>2</sub> O <sub>5</sub>	MnO	Cr <sub>2</sub> O <sub>3</sub>	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320112	Drill Core	2.07	67.55	19.07	2.11	0.07	1.14	7.90	0.50	0.02	0.83	0.18	<0.002	<20	<1	0.5	99.85	4	3	0.8	77.5
1320113	Drill Core	2.03	71.64	16.80	1.02	0.04	0.64	7.82	0.81	<0.01	0.48	0.12	<0.002	<20	<1	0.5	99.88	2	35	0.2	146.1
1320114	Drill Core	2.03	72.52	16.65	1.19	0.04	0.41	7.66	0.50	<0.01	0.31	0.10	<0.002	<20	<1	0.5	99.88	<1	15	0.5	110.0
1320115	Drill Core	2.07	73.51	16.05	0.73	0.02	0.22	7.43	0.97	<0.01	0.17	0.14	0.002	<20	<1	0.6	99.84	2	49	<0.2	306.0
1320116	Drill Core	2.56	73.02	16.33	0.56	0.02	0.16	7.62	1.50	<0.01	0.13	0.07	0.003	<20	<1	0.4	99.82	7	69	1.9	231.1
1320117	Drill Core	1.64	67.04	19.68	2.95	0.08	0.44	4.65	3.39	0.03	0.36	0.17	<0.002	<20	<1	1.0	99.78	10	3	0.9	332.0
1320118	Rock Pulp	0.10	97.26	0.73	0.07	0.03	0.04	<0.01	0.20	0.05	0.03	<0.01	<0.002	<20	<1	1.6	99.95	18	<1	0.7	<0.1
1320119	Drill Core	1.13	72.86	15.84	1.47	0.05	0.15	3.58	4.92	0.02	0.18	0.08	0.003	<20	<1	0.7	99.79	14	17	1.6	452.5
1320120	Rock Pulp	0.05	74.51	15.09	0.49	0.03	0.37	6.14	1.78	0.03	0.40	0.05	0.006	<20	3	0.5	99.41	13	140	1.2	725.3
1320121	Drill Core	2.28	71.98	17.09	1.43	0.04	0.47	7.23	0.52	0.01	0.39	0.10	<0.002	<20	<1	0.6	99.87	<1	<1	0.7	108.4
1320122	Drill Core	1.96	75.16	14.94	0.54	0.02	0.26	7.56	0.52	<0.01	0.20	0.06	<0.002	<20	<1	0.6	99.87	1	71	0.5	178.1
1320123	Drill Core	2.30	71.25	17.04	1.23	0.03	0.37	8.45	0.28	<0.01	0.37	0.13	0.003	<20	<1	0.7	99.89	<1	18	0.5	26.9
1320124	Drill Core	2.29	71.71	16.81	0.97	0.04	0.46	8.52	0.25	<0.01	0.44	0.15	0.018	56	<1	0.5	99.87	3	29	2.0	21.5
1320125	Drill Core	2.29	76.47	14.72	0.67	0.02	0.15	6.50	0.78	<0.01	0.19	0.09	<0.002	<20	<1	0.2	99.81	4	166	0.4	144.6
1320126	Drill Core	2.07	79.18	14.49	0.53	0.05	0.34	2.24	2.22	<0.01	0.33	0.10	0.002	<20	<1	0.4	99.89	10	9	0.4	167.7
1320127	Drill Core	2.13	74.86	14.27	0.65	0.02	1.10	7.20	0.37	<0.01	0.87	0.18	<0.002	<20	1	0.4	99.90	3	25	0.3	55.0
1320128	Drill Core	2.40	78.08	13.01	1.07	0.03	0.33	5.80	0.80	<0.01	0.31	0.11	0.004	<20	<1	0.3	99.84	13	72	1.2	148.4
1320129	Drill Core	2.00	77.88	13.33	0.70	0.03	0.13	5.59	0.96	<0.01	0.16	0.10	<0.002	<20	<1	0.9	99.80	14	82	0.5	367.1
1320130	Rock Pulp	0.05	70.47	19.02	0.46	0.05	0.19	2.26	4.14	<0.01	0.27	0.03	0.035	43	1	0.9	97.83	10	28	0.9	>10000
1320131	Drill Core	2.33	77.41	13.48	0.73	0.03	0.20	6.10	0.67	<0.01	0.24	0.11	<0.002	<20	<1	0.9	99.85	7	61	0.3	269.9
1320132	Rock Pulp	0.10	97.74	0.73	0.05	0.03	0.04	0.04	0.18	0.05	0.03	<0.01	<0.002	<20	<1	1.1	99.93	16	<1	<0.2	1.0
1320133	Drill Core	2.54	81.26	11.20	0.57	0.03	0.18	4.38	1.16	<0.01	0.19	0.06	<0.002	<20	<1	0.8	99.83	20	76	0.4	247.7
1320134	Drill Core	2.14	76.20	13.68	1.24	0.04	0.54	3.37	3.45	0.02	0.22	0.09	0.004	<20	2	1.0	99.80	141	16	1.5	456.9
1320135	Drill Core	2.57	74.20	15.64	0.66	0.01	0.36	5.49	1.85	<0.01	0.29	0.10	0.002	<20	<1	1.2	99.77	40	96	0.9	511.6
1320136	Drill Core	2.69	73.24	16.08	0.86	0.02	0.34	4.69	3.75	<0.01	0.30	0.09	<0.002	<20	1	0.4	99.78	70	58	0.2	650.6
1320137	Drill Core	1.14	73.98	15.52	0.27	<0.01	0.46	6.13	2.50	<0.01	0.33	0.04	<0.002	<20	1	0.6	99.82	85	113	<0.2	161.9
1320138	Drill Core	2.18	81.08	17.05	0.42	0.03	0.03	0.17	0.29	<0.01	0.03	0.02	0.004	<20	<1	0.6	99.77	35	63	0.8	387.8
1320139	Drill Core	2.15	73.24	16.43	0.79	0.01	0.26	6.55	1.49	0.01	0.27	0.17	<0.002	<20	<1	0.5	99.71	25	191	0.8	362.7
1320140	Drill Core	2.41	75.93	14.08	1.06	0.02	0.50	4.27	3.30	<0.01	0.26	0.17	<0.002	<20	2	0.2	99.80	98	121	0.5	434.5
1320141	Drill Core	2.32	76.20	13.30	1.18	0.02	0.64	3.47	4.54	<0.01	0.05	0.08	<0.002	<20	3	0.4	99.88	135	3	0.3	250.2

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
1320112	Drill Core	36.3	9.3	48.0	140.9	18	9.4	128.5	5.7	10.3	<8	1.6	86.7	14.6	4.9	12.1	1.45	5.1	1.73	0.32	2.18
1320113	Drill Core	33.0	6.6	45.2	271.6	26	5.6	94.9	9.0	12.9	<8	1.5	62.6	5.6	2.9	6.2	0.72	2.8	0.83	0.16	0.93
1320114	Drill Core	31.4	7.0	46.9	199.5	20	5.2	88.9	4.8	19.9	<8	2.0	56.9	2.1	1.4	2.3	0.26	0.7	0.27	0.05	0.37
1320115	Drill Core	32.6	6.4	84.7	470.3	37	3.8	166.4	5.4	27.0	<8	4.1	58.0	0.9	0.6	1.3	0.10	<0.3	<0.05	0.03	0.12
1320116	Drill Core	34.3	13.8	80.9	572.0	25	6.9	123.2	8.6	53.8	14	5.0	102.7	9.3	5.2	9.8	0.98	1.9	0.94	0.23	1.32
1320117	Drill Core	42.3	10.1	32.7	1177	39	7.5	64.8	4.6	15.5	<8	2.0	80.1	9.8	19.4	42.2	4.42	14.5	3.41	0.41	2.94
1320118	Rock Pulp	3.1	2.0	3.2	3.8	<1	4.8	0.2	2.0	0.3	<8	<0.5	77.4	3.0	12.4	22.9	2.62	7.9	1.65	0.23	1.01
1320119	Drill Core	30.9	5.9	24.6	1695	233	4.0	101.5	1.1	8.8	11	2.0	48.1	3.6	8.0	18.6	1.68	6.8	1.08	0.20	1.22
1320120	Rock Pulp	100.9	19.5	171.2	2393	768	27.6	2094	3.4	21.8	15	3.8	55.4	<0.1	1.1	1.9	0.12	<0.3	0.06	<0.02	0.06
1320121	Drill Core	32.9	4.9	21.3	230.7	15	6.1	74.8	11.5	7.3	<8	1.0	50.3	9.8	15.3	33.3	3.71	10.5	2.77	0.34	2.47
1320122	Drill Core	26.1	2.5	36.1	361.5	18	4.2	93.3	13.4	7.2	<8	1.3	36.5	7.8	9.4	20.7	2.22	6.1	1.91	0.11	1.91
1320123	Drill Core	30.1	7.3	90.7	69.4	6	4.7	107.8	5.5	24.0	<8	1.2	58.4	1.5	0.7	2.1	0.19	<0.3	0.24	0.03	0.26
1320124	Drill Core	31.9	5.8	54.8	49.0	<1	9.1	79.7	8.2	24.3	11	7.1	54.4	3.2	4.9	10.0	0.87	4.6	0.78	0.15	0.72
1320125	Drill Core	26.6	6.1	103.3	504.5	20	4.5	90.5	6.6	29.2	<8	1.1	47.2	0.4	0.3	1.0	0.07	0.4	0.06	<0.02	0.09
1320126	Drill Core	20.4	4.5	44.8	1434	31	3.7	60.2	2.4	13.6	<8	1.0	42.4	4.7	1.2	3.3	0.35	1.1	0.41	0.07	0.53
1320127	Drill Core	22.1	3.0	16.6	300.7	18	7.0	37.7	12.7	9.5	<8	0.6	48.2	16.6	13.3	30.1	3.34	10.5	3.19	0.34	3.27
1320128	Drill Core	29.9	5.6	50.7	644.7	22	9.7	84.5	9.5	13.2	<8	2.2	50.3	2.2	2.4	5.7	0.55	3.6	0.53	0.08	0.64
1320129	Drill Core	29.2	5.3	57.2	1190	45	5.7	86.5	10.3	17.4	<8	2.7	42.7	1.7	3.1	6.6	0.73	2.9	0.51	0.03	0.45
1320130	Rock Pulp	54.5	1.1	20.1	4849	60	22.7	68.3	1.0	2.6	<8	1.0	5.9	<0.1	<0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320131	Drill Core	29.1	5.2	70.3	860.2	25	8.1	107.4	9.5	12.7	<8	1.7	40.1	1.9	3.6	6.3	0.70	1.9	0.57	0.04	0.56
1320132	Rock Pulp	0.6	1.9	1.1	4.4	<1	3.9	0.5	2.1	0.3	<8	<0.5	73.1	3.7	15.8	29.3	3.69	13.6	2.25	0.33	1.36
1320133	Drill Core	23.7	3.1	74.3	1113	99	10.2	162.2	5.8	9.0	<8	1.7	24.7	3.2	2.4	5.0	0.53	2.5	0.54	0.07	0.63
1320134	Drill Core	29.6	2.6	34.6	1830	136	32.5	35.5	11.0	7.2	9	1.9	40.6	8.8	9.1	21.3	2.05	8.9	1.90	0.21	1.88
1320135	Drill Core	43.0	3.2	39.3	1883	191	17.1	91.7	8.0	5.2	<8	2.8	27.9	4.5	6.4	14.4	1.37	5.2	0.84	0.12	1.02
1320136	Drill Core	33.1	2.2	57.9	2314	146	21.8	178.0	8.1	5.6	<8	1.8	25.1	5.3	4.5	9.3	1.04	5.0	0.86	0.11	0.93
1320137	Drill Core	29.5	4.0	27.9	782.8	91	30.4	344.1	9.8	4.6	<8	1.1	33.8	7.8	7.7	15.8	1.76	6.0	1.19	0.17	1.16
1320138	Drill Core	44.6	4.8	127.7	1593	314	15.7	316.5	10.9	12.5	10	4.7	29.2	4.5	4.8	9.4	0.90	4.1	0.82	0.10	0.85
1320139	Drill Core	41.9	6.8	121.7	1320	223	10.6	187.2	5.4	8.4	<8	3.3	35.3	2.9	4.3	6.8	0.66	2.5	0.57	0.03	0.47
1320140	Drill Core	26.2	2.8	40.6	1457	81	27.9	51.1	13.0	7.5	<8	3.7	38.0	9.4	9.3	22.6	2.24	6.7	1.86	0.16	1.72
1320141	Drill Core	12.5	2.3	8.8	572.5	12	41.0	3.6	15.4	6.1	<8	1.6	43.2	15.5	14.7	30.1	3.48	12.1	2.99	0.26	2.84

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B 2A	Leco 2A	Leco	7PF	7PF	8X	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm
1320112	Drill Core	0.39	2.31	0.39	0.97	0.16	0.89	0.14	0.02	<0.02	0.43	0.05	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320113	Drill Core	0.17	0.91	0.14	0.33	0.05	0.52	0.05	<0.02	<0.02	0.20	0.04	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320114	Drill Core	0.06	0.21	0.04	0.13	0.03	0.18	0.02	<0.02	<0.02	0.22	0.04	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320115	Drill Core	0.02	0.08	<0.02	0.09	0.01	0.13	0.02	<0.02	<0.02	0.04	0.05	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320116	Drill Core	0.22	1.24	0.19	0.50	0.05	0.35	0.04	<0.02	<0.02	0.04	0.03	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320117	Drill Core	0.36	2.02	0.20	0.61	0.08	0.50	0.07	<0.02	<0.02	0.66	0.09	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320118	Rock Pulp	0.12	0.60	0.10	0.47	0.06	0.31	0.06	<0.02	<0.02	<0.01	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320119	Drill Core	0.12	0.59	0.12	0.21	0.03	0.22	0.02	<0.02	<0.02	0.30	0.07	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320120	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	<0.01	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320121	Drill Core	0.34	1.74	0.27	0.72	0.09	0.57	0.10	<0.02	<0.02	0.34	0.06	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320122	Drill Core	0.26	1.40	0.24	0.68	0.11	0.75	0.09	<0.02	<0.02	0.09	0.04	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320123	Drill Core	0.04	0.28	0.03	0.09	0.01	0.14	0.01	<0.02	<0.02	0.20	0.06	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320124	Drill Core	0.11	0.62	0.09	0.26	0.03	0.15	0.02	0.02	<0.02	0.16	0.05	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320125	Drill Core	<0.01	0.11	<0.02	0.07	<0.01	0.09	<0.01	<0.02	<0.02	0.15	0.17	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320126	Drill Core	0.11	0.62	0.13	0.36	0.07	0.39	0.04	<0.02	<0.02	0.06	0.94	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320127	Drill Core	0.53	3.10	0.55	1.51	0.21	1.19	0.17	<0.02	<0.02	0.11	0.04	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320128	Drill Core	0.09	0.47	0.10	0.21	0.04	0.28	0.03	<0.02	<0.02	0.13	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320129	Drill Core	0.07	0.34	0.05	0.22	0.03	0.18	0.03	<0.02	<0.02	0.12	0.16	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320130	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	1.12	2.17	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320131	Drill Core	0.06	0.29	0.06	0.16	0.03	0.18	0.02	<0.02	<0.02	0.16	0.13	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320132	Rock Pulp	0.15	0.71	0.13	0.43	0.07	0.44	0.06	<0.02	<0.02	<0.01	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320133	Drill Core	0.08	0.55	0.09	0.22	0.04	0.22	0.03	<0.02	<0.02	0.11	0.10	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320134	Drill Core	0.27	1.25	0.27	0.91	0.13	0.84	0.15	<0.02	<0.02	0.13	0.15	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320135	Drill Core	0.14	0.83	0.20	0.36	0.08	0.50	0.07	<0.02	<0.02	0.11	0.21	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320136	Drill Core	0.13	0.84	0.16	0.52	0.09	0.57	0.08	<0.02	<0.02	0.16	0.20	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320137	Drill Core	0.18	1.25	0.23	0.60	0.10	0.52	0.09	<0.02	<0.02	<0.01	0.22	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320138	Drill Core	0.14	0.76	0.17	0.46	0.08	0.46	0.07	<0.02	<0.02	0.21	0.45	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320139	Drill Core	0.07	0.39	0.06	0.17	0.03	0.26	0.04	<0.02	<0.02	0.17	0.17	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320140	Drill Core	0.28	1.82	0.33	0.92	0.18	1.13	0.19	<0.02	0.04	0.06	0.12	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320141	Drill Core	0.42	2.39	0.52	1.52	0.24	1.48	0.26	<0.02	0.17	0.07	0.07	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	
Unit	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	
MDL	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	
1320112	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320113	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320114	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320115	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320116	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320117	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320118	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320119	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320120	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320121	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320122	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320123	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320124	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320125	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320126	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320127	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320128	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320129	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320130	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320131	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320132	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320133	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320134	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320135	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320136	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320137	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320138	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320139	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320140	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320141	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.





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Project: PAK  
 Report Date: June 18, 2013

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Part: 5 of 1

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In
Unit	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.01	0.05	0.1	0.01	0.1	0.02
1320112	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320113	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320114	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320115	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320116	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320117	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320118	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320119	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320120	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320121	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320122	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320123	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320124	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320125	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320126	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320127	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320128	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320129	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320130	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320131	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320132	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320133	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320134	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320135	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320136	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320137	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320138	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320139	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320140	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320141	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.



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**Project:** PAK  
**Report Date:** June 18, 2013

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**Part:** 6 of 1

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	1F30	1F30	1F30	1F30	1F30
Analyte	Re	Be	Li	Pd	Pt
Unit	ppb	ppm	ppm	ppb	ppb
MDL	1	0.1	0.1	10	2
1320112	Drill Core	N.A.	N.A.	N.A.	N.A.
1320113	Drill Core	N.A.	N.A.	N.A.	N.A.
1320114	Drill Core	N.A.	N.A.	N.A.	N.A.
1320115	Drill Core	N.A.	N.A.	N.A.	N.A.
1320116	Drill Core	N.A.	N.A.	N.A.	N.A.
1320117	Drill Core	N.A.	N.A.	N.A.	N.A.
1320118	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320119	Drill Core	N.A.	N.A.	N.A.	N.A.
1320120	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320121	Drill Core	N.A.	N.A.	N.A.	N.A.
1320122	Drill Core	N.A.	N.A.	N.A.	N.A.
1320123	Drill Core	N.A.	N.A.	N.A.	N.A.
1320124	Drill Core	N.A.	N.A.	N.A.	N.A.
1320125	Drill Core	N.A.	N.A.	N.A.	N.A.
1320126	Drill Core	N.A.	N.A.	N.A.	N.A.
1320127	Drill Core	N.A.	N.A.	N.A.	N.A.
1320128	Drill Core	N.A.	N.A.	N.A.	N.A.
1320129	Drill Core	N.A.	N.A.	N.A.	N.A.
1320130	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320131	Drill Core	N.A.	N.A.	N.A.	N.A.
1320132	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320133	Drill Core	N.A.	N.A.	N.A.	N.A.
1320134	Drill Core	N.A.	N.A.	N.A.	N.A.
1320135	Drill Core	N.A.	N.A.	N.A.	N.A.
1320136	Drill Core	N.A.	N.A.	N.A.	N.A.
1320137	Drill Core	N.A.	N.A.	N.A.	N.A.
1320138	Drill Core	N.A.	N.A.	N.A.	N.A.
1320139	Drill Core	N.A.	N.A.	N.A.	N.A.
1320140	Drill Core	N.A.	N.A.	N.A.	N.A.
1320141	Drill Core	N.A.	N.A.	N.A.	N.A.

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte	Wgt	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	MgO	CaO	Na <sub>2</sub> O	K <sub>2</sub> O	TiO <sub>2</sub>	P <sub>2</sub> O <sub>5</sub>	MnO	Cr <sub>2</sub> O <sub>3</sub>	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320142	Rock Pulp	0.05	74.31	14.95	0.59	0.03	0.38	5.99	1.77	0.03	0.41	0.05	0.046	187	3	0.8	99.41	10	152	4.0	704.3
1320143	Drill Core	1.04	75.30	13.53	1.40	0.03	0.67	3.35	4.68	<0.01	0.04	0.08	<0.002	<20	4	0.8	99.89	164	3	<0.2	168.9
1320144	Rock Pulp	0.05	67.19	21.02	0.29	0.04	0.16	1.83	2.93	<0.01	0.25	0.03	0.018	<20	1	2.4	96.18	9	25	0.3	>10000
1320145	Drill Core	2.11	76.28	13.69	1.29	0.03	0.60	4.02	3.25	0.01	0.11	0.11	<0.002	<20	2	0.5	99.86	78	4	1.0	185.7
1320146	Drill Core	2.25	70.59	16.51	0.35	<0.01	0.08	3.01	8.37	<0.01	0.21	0.05	<0.002	<20	<1	0.7	99.85	21	108	<0.2	425.9
1320147	Drill Core	2.18	69.87	17.15	0.31	<0.01	0.16	3.31	8.10	<0.01	0.29	0.09	<0.002	22	<1	0.6	99.86	17	47	<0.2	418.8
1320148	Drill Core	2.39	71.21	16.86	1.24	<0.01	0.27	5.71	2.85	<0.01	0.50	0.29	0.161	551	<1	0.5	99.64	10	315	10.7	344.2
1320149	Drill Core	2.16	71.60	15.15	0.57	<0.01	1.22	5.45	2.95	<0.01	1.38	0.48	0.023	84	<1	0.9	99.73	27	200	2.2	251.1
1320150	Drill Core	2.02	70.36	17.37	0.35	<0.01	0.13	4.39	6.66	<0.01	0.30	0.09	<0.002	<20	<1	0.2	99.85	32	48	<0.2	453.4
1320151	Drill Core	2.16	73.53	16.52	0.67	0.01	0.23	5.58	1.45	<0.01	0.47	0.27	0.005	<20	<1	1.1	99.81	6	84	1.4	186.9
1320152	Drill Core	2.17	73.55	15.93	0.61	<0.01	0.49	6.34	1.87	<0.01	0.58	0.24	<0.002	<20	<1	0.2	99.82	8	115	<0.2	218.3
1320153	Drill Core	2.15	70.99	17.78	0.25	<0.01	0.14	2.36	7.05	<0.01	0.34	0.11	<0.002	<20	<1	0.7	99.74	32	213	<0.2	764.0
1320154	Rock Pulp	0.09	98.49	0.76	<0.04	0.02	0.03	0.03	0.20	0.05	0.02	<0.01	<0.002	<20	<1	0.3	99.94	13	<1	<0.2	0.9
1320155	Drill Core	1.98	71.80	17.97	0.38	<0.01	0.22	2.44	5.64	<0.01	0.47	0.18	0.002	<20	<1	0.6	99.75	31	249	<0.2	689.3
1320156	Rock Pulp	0.05	74.94	15.09	0.46	0.02	0.38	6.08	1.78	0.02	0.39	0.05	0.002	<20	3	0.2	99.41	8	160	0.4	672.4
1320157	Drill Core	2.21	68.02	18.44	0.33	<0.01	0.07	1.21	11.07	<0.01	0.37	0.02	0.003	<20	<1	0.3	99.83	72	16	<0.2	725.3
1320158	Drill Core	2.37	78.23	17.00	0.33	<0.01	0.08	2.03	1.87	<0.01	0.15	0.07	<0.002	<20	<1	0.1	99.86	6	165	<0.2	256.7
1320159	Drill Core	2.17	72.16	18.09	0.99	<0.01	0.39	5.93	1.65	0.01	0.44	0.15	0.002	<20	<1	0.0	99.83	3	103	0.5	109.8
1320160	Drill Core	2.25	74.52	16.47	0.80	0.01	0.32	5.52	0.77	<0.01	0.36	0.15	0.003	20	<1	0.9	99.81	3	127	0.9	175.7
1320161	Drill Core	2.14	73.11	16.78	1.20	0.02	0.34	6.30	1.23	<0.01	0.39	0.16	0.055	212	<1	0.2	99.82	11	83	4.6	263.3
1320162	Drill Core	2.03	73.24	16.40	0.77	0.02	0.30	8.01	0.33	<0.01	0.30	0.12	0.002	<20	<1	0.4	99.87	<1	31	0.3	103.4
1320163	Drill Core	2.52	72.34	16.66	1.06	<0.01	0.45	7.15	1.06	<0.01	0.46	0.15	<0.002	<20	<1	0.5	99.82	3	70	0.2	197.6
1320164	Drill Core	2.28	75.91	17.09	0.57	<0.01	0.15	3.80	1.36	<0.01	0.20	0.10	<0.002	<20	<1	0.7	99.89	4	31	0.2	225.3
1320551	Drill Core	1.80	75.50	13.22	1.27	0.07	0.69	3.24	4.36	0.04	0.11	0.06	<0.002	<20	3	1.3	99.83	331	4	<0.2	448.9
1320552	Drill Core	2.14	76.64	14.04	0.53	0.01	0.27	6.70	0.71	<0.01	0.11	0.04	<0.002	<20	1	0.8	99.88	18	74	0.2	141.3
1320553	Drill Core	2.42	75.82	14.58	0.54	0.02	0.31	7.60	0.30	<0.01	0.20	0.04	<0.002	<20	<1	0.5	99.91	4	20	0.2	53.9
1320554	Drill Core	2.18	71.96	16.62	1.17	0.04	0.59	7.74	0.53	0.01	0.49	0.10	<0.002	<20	<1	0.6	99.86	2	56	0.5	129.7
1320555	Drill Core	1.80	75.17	14.74	0.56	0.01	0.31	7.74	0.28	<0.01	0.23	0.04	<0.002	<20	<1	0.8	99.88	6	108	<0.2	83.1
1320556	Drill Core	1.51	74.65	15.07	0.64	0.02	0.58	7.60	0.26	<0.01	0.32	0.06	<0.002	<20	<1	0.7	99.89	2	10	<0.2	76.5
1320557	Drill Core	2.00	76.23	13.33	1.36	0.04	0.64	3.50	4.19	0.01	0.03	0.06	<0.002	<20	2	0.5	99.88	260	6	<0.2	138.7

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	
1320142	Rock Pulp	96.9	16.6	154.7	2361	741	27.1	2028	3.2	24.0	10	4.8	47.2	<0.1	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320143	Drill Core	13.3	2.1	8.2	431.2	6	42.0	2.5	13.6	5.9	<8	0.6	45.0	16.6	13.5	27.8	3.07	11.9	2.54	0.25	2.66
1320144	Rock Pulp	49.8	1.0	18.2	3859	61	22.7	63.5	0.9	2.4	<8	<0.5	6.1	<0.1	<0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320145	Drill Core	19.6	4.1	12.5	747.1	17	26.9	10.1	13.7	9.6	<8	1.2	54.7	13.6	11.8	27.6	2.77	9.7	2.46	0.13	2.11
1320146	Drill Core	24.3	1.2	24.0	5762	55	6.4	43.0	0.8	3.1	<8	0.9	9.0	0.3	0.2	0.3	<0.02	<0.3	<0.05	<0.02	0.06
1320147	Drill Core	30.2	1.6	35.2	5985	90	7.0	50.4	1.6	2.9	<8	1.8	9.1	0.6	0.3	0.6	0.03	<0.3	0.08	<0.02	0.11
1320148	Drill Core	43.5	5.9	113.4	2473	495	7.7	148.3	4.4	9.2	14	2.8	42.9	0.9	1.7	1.9	0.17	0.7	0.11	0.05	0.09
1320149	Drill Core	36.7	3.4	127.1	2421	312	24.4	197.9	5.1	8.9	<8	2.0	16.7	3.2	2.1	4.1	0.39	1.1	0.37	0.11	0.40
1320150	Drill Core	31.2	2.1	49.3	5218	58	8.5	86.3	2.7	8.4	<8	1.2	13.5	<0.1	0.3	0.4	<0.02	<0.3	<0.05	<0.02	<0.05
1320151	Drill Core	39.1	3.7	78.4	1359	57	7.1	108.1	20.0	194.2	<8	1.6	27.2	0.7	0.5	0.6	0.05	<0.3	<0.05	<0.02	0.10
1320152	Drill Core	41.1	4.9	74.5	1578	75	7.7	93.2	3.8	13.3	<8	2.1	38.8	4.0	1.3	3.1	0.30	1.1	0.31	0.06	0.54
1320153	Drill Core	32.6	0.9	38.9	6288	105	11.5	113.6	2.7	4.6	<8	1.7	5.9	0.3	<0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320154	Rock Pulp	1.1	2.1	2.9	5.6	<1	4.0	0.6	2.3	0.3	<8	<0.5	77.7	4.3	13.9	27.2	3.45	13.9	2.12	0.38	1.48
1320155	Drill Core	33.9	0.6	44.0	5195	71	9.3	59.6	2.8	4.0	<8	2.0	4.7	0.9	0.4	0.9	0.06	0.4	0.16	<0.02	0.19
1320156	Rock Pulp	95.0	18.6	154.4	2250	738	27.7	2020	3.3	24.2	<8	6.1	48.8	0.2	1.6	0.8	0.06	<0.3	<0.05	<0.02	<0.05
1320157	Drill Core	29.4	<0.1	9.3	8934	10	13.2	59.4	<0.2	0.1	14	0.7	0.8	<0.1	0.3	0.2	<0.02	<0.3	0.07	<0.02	<0.05
1320158	Drill Core	20.7	1.2	32.8	1644	30	5.1	37.4	1.6	4.8	<8	0.9	7.1	0.3	0.2	0.2	<0.02	<0.3	<0.05	<0.02	0.06
1320159	Drill Core	36.8	7.4	88.3	336.4	29	8.1	148.6	7.1	27.0	<8	2.1	58.0	3.0	1.3	3.1	0.26	0.7	0.26	0.06	0.44
1320160	Drill Core	32.8	4.3	84.4	670.4	40	5.3	102.1	3.0	13.3	<8	2.7	33.5	1.9	1.5	2.1	0.21	0.6	0.18	0.04	0.42
1320161	Drill Core	34.2	5.7	80.0	1037	32	10.0	126.4	3.5	13.6	<8	1.8	36.9	2.0	1.7	3.0	0.34	0.9	0.28	0.03	0.53
1320162	Drill Core	36.1	3.9	82.2	348.4	39	7.7	93.9	2.7	10.2	<8	1.9	29.0	1.3	0.7	1.5	0.14	0.4	0.14	<0.02	0.26
1320163	Drill Core	35.6	6.4	118.9	973.1	26	7.1	122.2	3.7	17.2	<8	1.9	50.4	4.1	1.1	1.8	0.19	0.9	0.44	0.05	0.66
1320164	Drill Core	29.6	4.6	50.2	1214	19	4.5	82.8	2.1	9.2	<8	1.2	31.6	0.8	0.3	0.4	0.02	0.3	<0.05	<0.02	0.12
1320551	Drill Core	15.4	3.0	10.3	1208	29	68.5	4.4	18.3	6.6	10	2.0	67.0	11.1	19.1	35.7	4.18	14.4	3.05	0.30	2.69
1320552	Drill Core	20.0	2.7	17.1	557.8	46	14.1	71.8	14.9	6.8	<8	1.4	47.4	7.6	12.2	23.2	2.92	11.8	2.25	0.11	2.03
1320553	Drill Core	27.7	3.0	32.6	154.8	10	6.2	76.8	16.8	4.7	<8	1.0	39.0	9.1	10.3	20.1	2.46	9.5	1.96	0.14	2.07
1320554	Drill Core	34.2	3.2	29.5	324.4	12	9.5	64.1	13.8	8.0	<8	0.9	39.5	11.3	17.7	37.6	4.31	15.5	3.64	0.63	3.36
1320555	Drill Core	30.4	2.5	17.4	140.5	13	7.0	39.9	19.8	6.5	<8	0.6	30.4	7.7	6.0	12.2	1.51	5.4	1.28	0.15	1.46
1320556	Drill Core	28.7	2.6	32.6	192.5	21	10.2	133.4	14.2	6.7	<8	0.6	38.9	10.0	9.5	20.9	2.50	8.8	2.24	0.25	2.33
1320557	Drill Core	14.4	2.6	10.9	667.1	10	59.5	5.1	17.6	9.9	<8	1.0	53.0	12.9	17.7	33.0	3.91	14.0	2.99	0.36	2.95



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Project: PAK  
 Report Date: June 18, 2013

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Part: 3 of 1

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A	Leco	2A	Leco	7PF	7PF	8X	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn		
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	0.1	1	
1320142	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	<0.01	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320143	Drill Core	0.39	2.61	0.47	1.53	0.22	1.71	0.23	<0.02	0.20	0.05	0.14	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320144	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.05	<0.02	<0.01	1.54	4.20	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320145	Drill Core	0.37	2.28	0.45	1.58	0.22	1.45	0.26	<0.02	0.13	0.14	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320146	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320147	Drill Core	0.02	0.08	<0.02	<0.03	<0.01	0.08	<0.01	<0.02	<0.02	0.03	0.13	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320148	Drill Core	0.02	0.09	0.04	0.06	0.02	0.18	0.02	<0.02	<0.02	0.12	0.18	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320149	Drill Core	0.09	0.48	0.14	0.27	0.05	0.24	0.04	<0.02	<0.02	0.09	0.13	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320150	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.06	0.15	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320151	Drill Core	0.01	0.16	<0.02	0.03	0.01	<0.05	<0.01	<0.02	<0.02	0.10	0.48	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320152	Drill Core	0.11	0.69	0.09	0.24	0.03	0.24	0.04	<0.02	<0.02	0.11	0.13	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320153	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	0.06	<0.01	<0.02	<0.02	0.03	0.55	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320154	Rock Pulp	0.16	1.05	0.18	0.48	0.07	0.67	0.07	<0.02	<0.02	<0.01	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320155	Drill Core	0.04	0.24	0.02	0.07	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.80	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320156	Rock Pulp	<0.01	<0.05	<0.02	0.05	<0.01	<0.05	<0.01	0.04	<0.02	0.01	0.09	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320157	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.50	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320158	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	1.39	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320159	Drill Core	0.09	0.79	0.09	0.31	0.03	0.20	0.03	<0.02	<0.02	0.23	0.10	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320160	Drill Core	0.07	0.21	0.04	0.16	0.03	0.09	0.02	<0.02	<0.02	0.15	0.63	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320161	Drill Core	0.09	0.42	0.07	0.19	0.02	0.18	0.03	<0.02	<0.02	0.19	0.37	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320162	Drill Core	0.04	0.33	0.03	0.12	<0.01	0.13	0.01	<0.02	<0.02	0.17	0.07	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320163	Drill Core	0.17	0.70	0.08	0.20	0.02	0.25	0.02	<0.02	<0.02	0.24	0.12	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320164	Drill Core	0.02	0.11	<0.02	0.05	<0.01	<0.05	<0.01	<0.02	<0.02	0.13	0.98	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320551	Drill Core	0.37	2.02	0.33	0.96	0.14	1.03	0.16	<0.02	<0.02	0.01	0.05	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320552	Drill Core	0.27	1.57	0.24	0.72	0.11	0.69	0.11	<0.02	<0.02	0.02	0.02	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320553	Drill Core	0.27	1.60	0.27	0.81	0.12	0.73	0.10	<0.02	<0.02	0.09	0.02	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320554	Drill Core	0.42	2.30	0.31	0.71	0.09	0.46	0.08	<0.02	<0.02	0.27	0.05	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320555	Drill Core	0.21	1.47	0.24	0.58	0.08	0.49	0.08	<0.02	<0.02	0.08	0.02	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320556	Drill Core	0.31	1.66	0.28	0.76	0.11	0.80	0.10	0.04	<0.02	0.12	0.03	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320557	Drill Core	0.43	2.46	0.38	1.25	0.17	1.29	0.18	<0.02	<0.02	0.02	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	
Unit	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	
MDL	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	
1320142	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320143	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320144	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320145	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320146	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320147	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320148	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320149	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320150	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320151	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320152	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320153	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320154	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320155	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320156	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320157	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320158	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320159	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320160	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320161	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320162	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320163	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320164	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320551	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320552	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320553	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320554	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320555	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320556	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320557	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In
Unit	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02
1320142	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320143	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320144	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320145	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320146	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320147	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320148	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320149	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320150	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320151	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320152	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320153	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320154	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320155	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320156	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320157	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320158	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320159	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320160	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320161	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320162	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320163	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320164	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320551	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320552	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320553	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320554	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320555	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320556	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320557	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.



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 Val Caron ON P3N 1B2 CANADA

**Project:** PAK  
**Report Date:** June 18, 2013

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**Part:** 6 of 1

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	1F30	1F30	1F30	1F30	1F30
Analyte	Re	Be	Li	Pd	Pt
Unit	ppb	ppm	ppm	ppb	ppb
MDL	1	0.1	0.1	10	2
1320142	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320143	Drill Core	N.A.	N.A.	N.A.	N.A.
1320144	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320145	Drill Core	N.A.	N.A.	N.A.	N.A.
1320146	Drill Core	N.A.	N.A.	N.A.	N.A.
1320147	Drill Core	N.A.	N.A.	N.A.	N.A.
1320148	Drill Core	N.A.	N.A.	N.A.	N.A.
1320149	Drill Core	N.A.	N.A.	N.A.	N.A.
1320150	Drill Core	N.A.	N.A.	N.A.	N.A.
1320151	Drill Core	N.A.	N.A.	N.A.	N.A.
1320152	Drill Core	N.A.	N.A.	N.A.	N.A.
1320153	Drill Core	N.A.	N.A.	N.A.	N.A.
1320154	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320155	Drill Core	N.A.	N.A.	N.A.	N.A.
1320156	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320157	Drill Core	N.A.	N.A.	N.A.	N.A.
1320158	Drill Core	N.A.	N.A.	N.A.	N.A.
1320159	Drill Core	N.A.	N.A.	N.A.	N.A.
1320160	Drill Core	N.A.	N.A.	N.A.	N.A.
1320161	Drill Core	N.A.	N.A.	N.A.	N.A.
1320162	Drill Core	N.A.	N.A.	N.A.	N.A.
1320163	Drill Core	N.A.	N.A.	N.A.	N.A.
1320164	Drill Core	N.A.	N.A.	N.A.	N.A.
1320551	Drill Core	N.A.	N.A.	N.A.	N.A.
1320552	Drill Core	N.A.	N.A.	N.A.	N.A.
1320553	Drill Core	N.A.	N.A.	N.A.	N.A.
1320554	Drill Core	N.A.	N.A.	N.A.	N.A.
1320555	Drill Core	N.A.	N.A.	N.A.	N.A.
1320556	Drill Core	N.A.	N.A.	N.A.	N.A.
1320557	Drill Core	N.A.	N.A.	N.A.	N.A.



# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320558	Drill Core	2.27	75.27	13.86	1.26	0.06	0.64	3.69	4.36	0.01	0.04	0.06	<0.002	<20	2	0.6	99.87	240	8	0.2	216.0
1320559	Drill Core	2.16	76.02	13.47	1.43	0.06	0.58	3.98	3.17	0.01	0.04	0.08	0.013	38	3	1.0	99.87	201	6	1.1	244.3
1320560	Rock Pulp	0.05	67.23	21.09	0.25	0.04	0.16	1.76	2.88	<0.01	0.25	0.03	0.018	21	<1	2.1	95.77	13	24	<0.2	>10000
1320561	Drill Core	2.17	75.31	13.27	1.45	0.05	0.65	3.39	4.38	0.01	0.07	0.07	0.021	100	3	1.2	99.87	227	9	2.8	220.8
1320562	Rock Pulp	0.09	97.34	0.76	0.11	0.03	0.03	0.01	0.18	0.05	0.02	<0.01	0.002	<20	<1	1.4	99.94	15	<1	<0.2	0.5
1320563	Drill Core	1.97	75.71	13.82	1.21	0.05	0.57	3.86	3.69	0.01	0.12	0.09	0.003	<20	2	0.7	99.83	182	27	0.7	330.6
1320564	Drill Core	2.06	75.56	13.39	1.39	0.07	0.54	3.39	3.84	0.01	0.02	0.06	<0.002	<20	3	1.6	99.84	219	12	0.6	414.9
1320565	Drill Core	2.23	74.37	15.17	1.05	0.03	0.48	5.64	1.79	<0.01	0.32	0.12	0.003	<20	2	0.8	99.82	94	56	0.6	393.1
1320566	Drill Core	2.38	74.24	15.23	1.15	0.03	0.47	5.04	2.05	0.01	0.26	0.14	0.003	<20	1	1.2	99.81	86	56	1.1	359.8
1320567	Drill Core	2.07	73.78	15.21	1.11	0.03	0.54	4.92	2.84	0.01	0.19	0.12	0.003	<20	2	1.1	99.80	116	73	0.6	264.1
1320568	Drill Core	1.05	76.06	13.38	1.32	0.03	0.70	3.32	4.55	0.01	0.01	0.06	<0.002	<20	3	0.4	99.84	223	9	1.0	203.4
1320569	Drill Core	2.18	75.39	14.62	1.64	0.03	0.54	4.23	2.82	0.02	0.21	0.10	0.073	277	2	0.1	99.80	125	57	5.1	413.7
1320570	Drill Core	2.23	75.12	14.38	1.07	0.02	0.61	3.78	3.83	<0.01	0.21	0.09	<0.002	<20	2	0.7	99.80	171	32	0.9	469.6
1320571	Drill Core	2.35	73.38	15.83	0.86	0.02	0.28	5.14	2.94	<0.01	0.19	0.10	<0.002	<20	1	1.1	99.81	83	47	0.5	420.1
1320572	Rock Pulp	0.05	74.72	15.00	0.44	0.02	0.39	5.95	1.73	0.02	0.39	0.05	0.004	<20	3	0.7	99.44	16	143	0.7	658.6
1320573	Drill Core	2.25	75.60	13.77	1.28	0.04	0.60	3.46	3.84	0.01	0.14	0.09	0.003	<20	3	1.0	99.79	193	44	0.8	478.9
1320574	Rock Pulp	0.05	62.78	21.27	0.21	0.04	0.14	1.66	1.89	<0.01	0.26	0.03	0.015	<20	1	3.7	91.99	6	27	1.3	>10000
1320575	Drill Core	0.98	76.28	13.45	1.28	0.03	0.66	3.21	4.35	0.01	0.04	0.07	0.003	<20	3	0.4	99.78	172	<1	0.5	959.3
1320576	Drill Core	2.23	76.56	13.14	1.37	0.03	0.70	3.37	4.47	<0.01	0.01	0.07	0.002	<20	3	0.1	99.84	184	7	0.4	453.9
1320577	Drill Core	2.12	76.54	13.10	1.36	0.03	0.68	3.35	4.58	0.01	0.03	0.07	0.002	<20	3	0.1	99.85	215	2	1.1	430.0
1320578	Drill Core	2.13	75.55	13.23	1.36	0.04	0.68	3.35	4.57	0.01	0.02	0.06	0.003	<20	3	0.9	99.80	251	<1	0.9	924.5
1320579	Drill Core	2.30	76.11	13.56	1.29	0.04	0.57	3.43	3.96	0.01	0.06	0.07	0.002	<20	3	0.5	99.60	196	360	1.0	1459
1320580	Drill Core	2.07	75.95	13.62	1.20	0.03	0.59	3.53	4.42	0.01	0.17	0.07	0.003	<20	2	0.2	99.79	188	14	0.6	865.0
1320581	Drill Core	2.29	76.27	13.33	1.37	0.04	0.65	3.24	4.62	0.01	0.03	0.06	0.002	<20	3	0.2	99.82	221	3	0.8	519.6
1320582	Drill Core	2.01	75.50	13.75	1.24	0.03	0.58	3.32	4.89	0.01	0.07	0.07	0.004	<20	2	0.4	99.85	180	9	0.5	480.0
1320583	Drill Core	2.24	75.41	14.53	1.19	0.02	0.56	4.20	3.36	0.01	0.16	0.08	<0.002	<20	2	0.3	99.81	162	23	0.5	453.5
1320584	Rock Pulp	0.10	98.12	0.76	0.04	0.03	0.03	0.02	0.19	0.05	0.03	<0.01	<0.002	<20	<1	0.7	99.94	12	<1	0.4	0.7
1320585	Drill Core	2.33	74.34	15.27	1.21	0.03	0.52	3.96	3.37	0.01	0.24	0.13	<0.002	<20	2	0.7	99.77	128	109	0.8	378.2
1320586	Rock Pulp	0.05	74.36	15.14	0.40	0.02	0.39	6.14	1.78	0.02	0.40	0.05	0.003	<20	3	0.7	99.41	14	145	1.0	702.9
1320587	Drill Core	1.08	76.25	13.23	1.27	0.03	0.71	3.39	4.68	0.01	0.04	0.06	<0.002	<20	2	0.2	99.87	234	1	0.4	163.9

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
1320558	Drill Core	15.0	2.5	13.0	1075	16	58.9	14.0	16.9	5.9	<8	1.4	56.9	14.6	15.2	31.6	3.57	14.6	3.04	0.34	2.84
1320559	Drill Core	14.0	2.2	10.2	1345	39	46.8	6.1	18.3	7.0	<8	2.5	45.3	11.4	18.2	36.9	3.83	14.7	2.91	0.24	2.78
1320560	Rock Pulp	54.2	1.0	21.0	4172	65	22.5	73.6	1.3	2.3	<8	1.0	5.8	<0.1	<0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320561	Drill Core	14.2	2.3	10.4	1443	24	55.5	9.2	15.8	5.8	<8	2.8	56.7	11.1	15.6	34.2	3.51	12.4	2.72	0.30	2.16
1320562	Rock Pulp	0.9	2.0	1.7	4.4	<1	4.1	0.4	1.8	0.3	<8	0.8	90.0	4.5	13.1	24.5	3.27	11.9	1.70	0.34	1.28
1320563	Drill Core	18.1	2.6	21.5	1969	42	44.3	25.6	15.5	6.0	<8	3.1	43.7	11.4	16.5	34.6	3.47	13.8	2.86	0.27	2.61
1320564	Drill Core	14.0	2.1	8.9	1845	39	48.3	4.0	13.7	6.6	<8	3.6	46.6	11.0	11.3	26.0	2.70	10.8	1.96	0.25	1.91
1320565	Drill Core	27.4	2.5	28.0	1786	60	25.6	62.9	9.9	7.9	<8	3.5	33.7	9.4	9.0	19.9	2.11	6.2	1.47	0.15	1.46
1320566	Drill Core	29.0	3.0	45.5	2145	101	25.0	80.2	11.5	7.3	<8	5.3	40.3	9.8	8.6	19.5	2.00	7.2	1.62	0.19	1.70
1320567	Drill Core	30.3	2.8	36.0	1587	122	31.4	53.1	10.1	6.0	<8	4.1	32.9	7.2	11.0	20.1	2.04	7.9	1.65	0.23	1.62
1320568	Drill Core	11.9	2.0	8.3	391.1	6	57.1	2.0	14.5	5.7	<8	1.3	47.1	14.5	15.3	32.2	3.29	10.5	2.59	0.33	2.77
1320569	Drill Core	29.6	2.9	48.0	2143	95	35.1	84.0	10.5	5.4	<8	3.9	43.2	10.2	10.3	22.3	2.32	8.3	1.62	0.22	1.53
1320570	Drill Core	21.8	2.3	31.3	2160	57	38.5	133.4	11.2	6.8	<8	3.1	34.4	9.7	11.2	23.0	2.46	9.3	2.03	0.25	1.83
1320571	Drill Core	34.5	4.3	52.6	2345	57	19.7	75.2	8.7	9.1	<8	4.0	40.9	7.2	5.9	12.6	1.17	4.0	1.23	0.10	1.23
1320572	Rock Pulp	96.6	17.7	153.7	2393	732	26.4	1961	2.9	23.5	9	4.1	51.3	<0.1	0.4	0.4	<0.02	<0.3	<0.05	<0.02	<0.05
1320573	Drill Core	19.4	2.4	15.3	2180	34	42.3	28.9	14.7	7.9	9	3.1	43.0	14.3	13.4	30.1	3.10	12.6	2.17	0.23	2.72
1320574	Rock Pulp	48.0	0.6	14.7	3667	57	25.2	62.2	1.4	1.4	<8	1.1	3.4	<0.1	0.2	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320575	Drill Core	15.4	1.9	7.8	1065	9	48.7	6.2	15.7	22.3	<8	2.1	51.4	15.8	14.5	30.3	3.10	7.6	2.74	0.22	2.88
1320576	Drill Core	12.0	2.2	8.0	263.5	3	46.5	3.3	14.5	9.0	<8	1.6	46.2	15.7	14.4	32.1	3.07	11.3	2.59	0.25	2.92
1320577	Drill Core	12.9	2.0	8.4	338.2	5	53.2	3.8	15.0	5.6	<8	1.3	42.0	16.1	14.3	32.8	3.44	12.8	2.52	0.30	2.70
1320578	Drill Core	11.8	1.8	8.2	626.8	4	58.3	2.3	14.1	4.8	<8	1.5	39.8	14.1	15.7	33.2	3.32	12.9	2.72	0.28	2.57
1320579	Drill Core	14.2	1.9	10.6	1466	20	48.7	13.2	14.0	5.1	<8	4.0	49.5	12.8	14.1	31.9	3.19	12.5	2.29	0.29	2.33
1320580	Drill Core	18.6	2.2	24.4	1729	20	42.9	60.8	13.0	5.4	<8	3.2	45.3	12.4	12.8	27.2	2.84	9.1	2.21	0.25	2.16
1320581	Drill Core	13.8	1.7	8.0	847.1	5	52.6	1.5	13.1	7.1	<8	1.3	45.4	14.8	13.6	30.7	3.12	12.8	2.69	0.32	2.46
1320582	Drill Core	17.3	1.8	11.7	1805	26	42.0	11.8	12.7	4.9	<8	2.7	39.0	10.9	13.0	30.1	3.00	9.7	2.22	0.24	2.18
1320583	Drill Core	22.6	2.7	44.0	1640	54	38.4	107.3	13.4	6.7	<8	3.4	38.7	10.9	14.5	32.4	3.30	11.9	2.23	0.23	2.20
1320584	Rock Pulp	0.8	1.9	6.1	4.5	<1	5.1	0.9	1.8	0.3	<8	<0.5	72.4	3.2	14.5	26.4	3.18	11.2	1.85	0.29	1.35
1320585	Drill Core	31.1	2.9	49.7	2098	205	29.4	110.5	10.4	7.8	<8	2.2	34.5	10.8	10.1	20.5	2.18	10.7	1.48	0.17	1.69
1320586	Rock Pulp	101.0	22.3	153.9	2416	775	28.3	2040	3.2	24.5	<8	4.9	60.6	<0.1	0.9	0.6	0.03	<0.3	<0.05	<0.02	<0.05
1320587	Drill Core	13.7	3.1	9.8	349.9	4	58.2	4.0	15.8	8.1	<8	<0.5	60.8	16.5	16.2	31.4	3.65	14.2	2.81	0.34	2.80

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	7PF	7PF	8X	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1
1320558	Drill Core	0.40	2.79	0.38	1.13	0.19	1.15	0.19	<0.02	<0.02	0.02	0.09	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320559	Drill Core	0.36	1.76	0.31	0.94	0.11	0.63	0.13	<0.02	<0.02	0.01	0.09	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320560	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	1.54	4.21	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320561	Drill Core	0.40	2.05	0.34	0.88	0.14	0.97	0.13	<0.02	<0.02	0.03	0.09	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320562	Rock Pulp	0.15	0.97	0.15	0.41	0.06	0.57	0.07	<0.02	<0.02	<0.01	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320563	Drill Core	0.39	1.87	0.35	0.73	0.12	1.00	0.14	<0.02	<0.02	0.04	0.13	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320564	Drill Core	0.32	2.21	0.41	1.07	0.20	1.13	0.21	<0.02	<0.02	0.03	0.13	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320565	Drill Core	0.25	1.50	0.28	0.93	0.13	0.84	0.14	<0.02	<0.02	0.08	0.21	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320566	Drill Core	0.25	1.54	0.35	0.99	0.14	0.87	0.15	<0.02	<0.02	0.14	0.23	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320567	Drill Core	0.22	1.31	0.29	0.73	0.11	0.88	0.12	<0.02	<0.02	0.07	0.15	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320568	Drill Core	0.37	2.36	0.47	1.61	0.20	1.53	0.22	<0.02	<0.02	<0.01	0.11	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320569	Drill Core	0.26	1.46	0.36	0.81	0.15	0.76	0.16	<0.02	<0.02	0.09	0.23	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320570	Drill Core	0.31	1.87	0.35	0.97	0.14	1.11	0.15	<0.02	<0.02	0.08	0.19	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320571	Drill Core	0.19	1.19	0.23	0.68	0.10	0.84	0.15	0.02	<0.02	0.08	0.27	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320572	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	<0.01	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320573	Drill Core	0.38	2.37	0.39	1.08	0.19	1.02	0.19	<0.02	<0.02	0.06	0.21	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320574	Rock Pulp	<0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	0.05	<0.02	<0.01	1.55	8.38	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320575	Drill Core	0.46	2.63	0.53	1.48	0.20	1.36	0.23	<0.02	0.02	0.04	0.15	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320576	Drill Core	0.43	2.50	0.49	1.57	0.19	1.69	0.24	<0.02	0.02	<0.01	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320577	Drill Core	0.43	2.70	0.51	1.40	0.23	1.51	0.23	<0.02	<0.02	0.01	0.07	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320578	Drill Core	0.40	2.54	0.46	1.39	0.17	1.17	0.17	<0.02	0.03	0.02	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320579	Drill Core	0.35	2.49	0.41	1.08	0.15	1.08	0.15	0.03	0.02	0.06	0.16	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320580	Drill Core	0.36	2.21	0.35	1.37	0.16	0.99	0.17	<0.02	<0.02	0.06	0.12	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320581	Drill Core	0.39	2.35	0.41	1.19	0.16	0.98	0.20	<0.02	0.03	<0.01	0.11	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320582	Drill Core	0.34	1.78	0.37	1.06	0.17	1.16	0.17	<0.02	<0.02	0.02	0.11	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320583	Drill Core	0.32	1.70	0.31	0.85	0.13	0.99	0.14	<0.02	<0.02	0.10	0.17	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320584	Rock Pulp	0.14	0.65	0.12	0.38	0.06	0.39	0.06	<0.02	<0.02	<0.01	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320585	Drill Core	0.24	1.46	0.34	0.91	0.15	0.93	0.15	<0.02	<0.02	0.10	0.24	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320586	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	<0.01	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320587	Drill Core	0.44	2.73	0.54	1.78	0.25	1.80	0.26	0.06	0.03	<0.01	0.09	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	
Unit	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	
MDL	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	
1320558	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320559	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320560	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320561	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320562	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320563	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320564	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320565	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320566	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320567	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320568	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320569	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320570	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320571	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320572	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320573	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320574	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320575	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320576	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320577	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320578	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320579	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320580	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320581	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320582	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320583	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320584	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320585	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320586	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320587	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In
Unit	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02
1320558	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320559	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320560	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320561	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320562	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320563	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320564	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320565	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320566	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320567	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320568	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320569	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320570	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320571	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320572	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320573	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320574	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320575	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320576	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320577	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320578	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320579	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320580	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320581	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320582	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320583	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320584	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320585	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320586	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320587	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.



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Client: **Houston Lake Mining**  
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 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

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Part: 6 of 1

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	1F30	1F30	1F30	1F30	1F30
Analyte	Re	Be	Li	Pd	Pt
Unit	ppb	ppm	ppm	ppb	ppb
MDL	1	0.1	0.1	10	2
1320558	Drill Core	N.A.	N.A.	N.A.	N.A.
1320559	Drill Core	N.A.	N.A.	N.A.	N.A.
1320560	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320561	Drill Core	N.A.	N.A.	N.A.	N.A.
1320562	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320563	Drill Core	N.A.	N.A.	N.A.	N.A.
1320564	Drill Core	N.A.	N.A.	N.A.	N.A.
1320565	Drill Core	N.A.	N.A.	N.A.	N.A.
1320566	Drill Core	N.A.	N.A.	N.A.	N.A.
1320567	Drill Core	N.A.	N.A.	N.A.	N.A.
1320568	Drill Core	N.A.	N.A.	N.A.	N.A.
1320569	Drill Core	N.A.	N.A.	N.A.	N.A.
1320570	Drill Core	N.A.	N.A.	N.A.	N.A.
1320571	Drill Core	N.A.	N.A.	N.A.	N.A.
1320572	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320573	Drill Core	N.A.	N.A.	N.A.	N.A.
1320574	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320575	Drill Core	N.A.	N.A.	N.A.	N.A.
1320576	Drill Core	N.A.	N.A.	N.A.	N.A.
1320577	Drill Core	N.A.	N.A.	N.A.	N.A.
1320578	Drill Core	N.A.	N.A.	N.A.	N.A.
1320579	Drill Core	N.A.	N.A.	N.A.	N.A.
1320580	Drill Core	N.A.	N.A.	N.A.	N.A.
1320581	Drill Core	N.A.	N.A.	N.A.	N.A.
1320582	Drill Core	N.A.	N.A.	N.A.	N.A.
1320583	Drill Core	N.A.	N.A.	N.A.	N.A.
1320584	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320585	Drill Core	N.A.	N.A.	N.A.	N.A.
1320586	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320587	Drill Core	N.A.	N.A.	N.A.	N.A.

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
Analyte	Wgt	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	MgO	CaO	Na <sub>2</sub> O	K <sub>2</sub> O	TiO <sub>2</sub>	P <sub>2</sub> O <sub>5</sub>	MnO	Cr <sub>2</sub> O <sub>3</sub>	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320588	Drill Core	2.39	74.39	14.68	1.30	0.02	0.65	3.82	3.65	0.01	0.30	0.22	0.003	<20	2	0.8	99.78	163	134	0.8	297.8
1320589	Drill Core	2.23	75.85	13.28	1.34	0.03	0.65	3.43	4.57	0.01	0.04	0.07	<0.002	<20	3	0.6	99.85	217	7	0.7	316.6
1320590	Drill Core	2.18	76.01	13.18	1.39	0.02	0.68	3.44	4.85	0.01	0.03	0.07	<0.002	<20	3	0.2	99.88	238	3	0.3	80.3
1320591	Drill Core	2.29	75.24	14.45	1.19	0.02	0.53	4.49	3.38	0.01	0.07	0.08	0.003	<20	2	0.4	99.84	163	33	0.3	216.3
1320592	Drill Core	2.66	72.67	16.71	0.95	0.01	0.31	6.43	1.71	<0.01	0.24	0.12	<0.002	<20	2	0.7	99.83	64	51	0.7	353.1
1320593	Drill Core	2.40	73.84	15.56	1.33	0.02	0.79	4.57	3.15	0.01	0.35	0.08	0.002	<20	2	0.1	99.82	148	30	0.5	250.0
1320594	Drill Core	2.32	76.31	13.11	1.19	0.02	0.68	3.38	4.59	<0.01	0.05	0.07	<0.002	<20	2	0.5	99.85	241	7	0.3	249.6
1320595	Drill Core	2.34	76.10	13.25	1.43	0.02	0.71	3.49	4.67	0.01	0.01	0.07	0.004	<20	3	0.1	99.88	201	3	0.6	162.2
1320596	Rock Pulp	0.05	70.34	18.98	0.40	0.05	0.19	2.26	4.23	<0.01	0.30	0.03	0.034	58	1	0.9	97.74	12	40	1.2	>10000
1320597	Drill Core	2.27	76.05	13.25	1.29	0.02	0.68	3.41	4.70	0.01	0.03	0.07	<0.002	<20	3	0.4	99.87	227	7	0.4	297.1
1320598	Rock Pulp	0.09	98.15	0.73	<0.04	0.03	0.03	<0.01	0.15	0.05	0.02	<0.01	<0.002	<20	<1	0.8	99.92	14	2	0.3	2.7
1320599	Drill Core	2.26	75.70	13.45	1.26	0.02	0.69	3.27	4.32	0.01	0.05	0.07	<0.002	<20	3	1.0	99.84	206	13	1.2	420.1
1320600	Drill Core	2.18	76.59	13.51	1.28	0.02	0.56	3.71	3.57	<0.01	0.11	0.08	<0.002	<20	2	0.4	99.85	187	16	1.0	441.2
1320601	Drill Core	2.14	72.42	16.30	1.06	0.01	0.49	5.69	2.22	0.01	0.33	0.16	<0.002	22	1	1.0	99.71	88	280	0.4	362.8
1320602	Drill Core	1.09	75.72	13.46	1.28	0.02	0.68	3.31	4.44	0.01	0.04	0.07	<0.002	<20	3	0.8	99.84	177	12	0.7	441.5
1320165	Drill Core	2.34	73.14	15.94	0.77	0.02	0.48	4.98	2.44	<0.01	0.43	0.17	<0.002	<20	<1	1.3	99.63	52	433	0.6	675.3
1320166	Rock Pulp	0.05	74.93	15.22	0.43	0.02	0.40	6.01	1.80	0.03	0.40	0.05	<0.002	<20	3	0.1	99.39	18	175	1.9	735.7
1320167	Drill Core	1.16	78.47	12.87	0.58	0.02	0.26	2.84	3.38	0.01	0.26	0.16	<0.002	<20	<1	0.8	99.66	45	325	0.4	808.6
1320168	Rock Pulp	0.05	70.52	19.09	0.43	0.05	0.19	2.24	4.27	<0.01	0.28	0.03	0.032	46	<1	0.7	97.80	14	30	0.9	>10000
1320169	Drill Core	2.32	73.41	16.46	0.57	0.03	0.20	1.74	5.38	<0.01	0.37	0.18	<0.002	<20	<1	1.4	99.75	34	71	0.9	1082
1320170	Drill Core	2.20	73.98	17.25	0.55	0.02	0.11	1.87	3.26	<0.01	0.55	0.21	<0.002	<20	<1	1.9	99.68	12	181	0.4	1103
1320171	Drill Core	2.47	75.57	16.12	0.59	0.07	0.16	1.41	3.18	<0.01	0.32	0.17	<0.002	<20	<1	2.1	99.72	13	118	0.6	1040
1320172	Drill Core	2.36	74.25	16.55	0.42	0.02	0.16	2.39	3.27	<0.01	0.37	0.18	<0.002	<20	1	2.0	99.63	14	387	0.4	1160
1320173	Drill Core	2.41	77.09	17.08	0.45	0.04	0.09	0.97	2.99	<0.01	0.13	0.08	0.003	<20	<1	0.9	99.85	18	9	0.6	547.4
1320174	Drill Core	2.25	74.24	15.31	0.80	0.07	0.44	3.08	4.81	<0.01	0.35	0.07	<0.002	<20	2	0.6	99.80	125	41	0.5	765.0
1320175	Drill Core	2.23	76.67	17.48	0.43	0.02	0.15	0.58	2.18	<0.01	0.32	0.14	<0.002	<20	<1	1.8	99.82	16	95	0.5	521.3
1320176	Drill Core	2.34	77.18	16.58	0.45	0.06	0.15	2.42	1.79	<0.01	0.33	0.12	<0.002	22	<1	0.7	99.78	8	200	0.4	360.5
1320177	Drill Core	2.14	79.22	16.16	0.57	0.03	0.11	1.68	0.70	<0.01	0.30	0.09	<0.002	<20	<1	1.0	99.82	3	153	0.4	336.3
1320178	Rock Pulp	0.09	97.84	0.74	<0.04	0.02	0.05	0.01	0.19	0.05	0.02	<0.01	0.003	<20	<1	1.0	99.94	16	<1	0.4	1.9
1320179	Drill Core	2.35	76.90	16.60	0.58	0.06	0.17	3.42	0.68	<0.01	0.47	0.16	<0.002	<20	<1	0.8	99.80	2	202	0.8	286.9

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
1320588	Drill Core	29.5	2.0	56.6	2209	108	35.9	67.7	13.6	7.8	<8	2.9	37.7	11.6	12.4	25.8	2.69	11.5	2.21	0.21	2.16
1320589	Drill Core	14.0	3.0	9.0	552.5	12	51.2	2.8	20.8	7.0	<8	1.5	59.0	20.1	20.6	42.3	4.61	16.5	3.58	0.35	3.71
1320590	Drill Core	13.5	2.9	14.9	183.1	2	53.3	2.2	16.7	6.4	<8	0.6	59.0	18.4	17.3	35.8	3.93	13.3	3.04	0.32	3.45
1320591	Drill Core	21.5	2.8	37.7	962.8	98	40.4	48.9	12.8	8.2	<8	1.6	48.5	12.7	11.5	26.8	2.73	10.4	1.91	0.21	1.93
1320592	Drill Core	36.5	3.3	67.0	1963	117	18.8	117.1	15.6	7.7	<8	4.4	38.3	5.0	7.5	15.8	1.74	7.2	1.12	0.11	1.06
1320593	Drill Core	23.5	2.8	11.9	1543	203	42.9	45.0	13.2	7.1	<8	1.8	48.8	13.6	12.4	28.0	2.91	9.0	2.57	0.28	2.51
1320594	Drill Core	12.9	2.0	10.5	483.7	9	55.6	2.7	15.2	5.8	12	0.8	47.0	16.0	16.8	35.8	3.81	13.4	2.94	0.30	2.98
1320595	Drill Core	13.0	1.6	7.7	277.6	5	50.1	2.4	14.1	6.4	<8	0.8	40.8	16.2	14.3	30.1	3.29	11.0	2.54	0.26	2.39
1320596	Rock Pulp	56.4	1.1	24.0	4886	65	20.3	70.3	1.0	3.0	<8	1.1	7.5	0.2	0.3	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320597	Drill Core	13.3	2.6	10.7	997.6	14	48.2	4.0	17.9	6.6	<8	1.6	55.3	16.9	17.7	33.9	3.89	14.4	3.27	0.32	3.32
1320598	Rock Pulp	1.2	1.8	1.9	5.9	<1	4.2	0.8	2.2	0.2	<8	<0.5	79.3	3.7	14.7	27.9	3.49	10.8	1.99	0.37	1.16
1320599	Drill Core	13.7	2.5	9.9	1716	21	48.3	6.2	14.1	7.2	<8	2.7	50.9	15.2	16.0	29.4	3.28	10.3	2.54	0.27	2.61
1320600	Drill Core	15.5	3.2	13.7	2289	28	38.4	19.0	14.9	6.2	<8	2.0	54.5	14.3	14.6	30.5	3.25	12.8	2.53	0.25	2.46
1320601	Drill Core	34.5	3.3	96.8	1899	73	22.4	133.2	9.1	9.9	<8	2.3	33.2	6.6	6.3	12.9	1.50	5.4	1.33	0.12	1.13
1320602	Drill Core	12.2	2.2	8.7	1513	22	47.4	4.7	13.8	6.0	<8	2.5	44.7	15.1	12.8	27.2	2.84	11.2	2.53	0.25	2.56
1320165	Drill Core	43.0	2.6	107.7	2923	126	18.2	196.1	7.9	8.5	<8	5.0	21.3	5.9	4.5	11.8	1.18	4.6	0.78	0.13	0.81
1320166	Rock Pulp	97.5	20.5	155.5	2302	819	28.2	2130	3.4	27.1	<8	4.7	50.8	<0.1	0.8	0.4	<0.02	<0.3	<0.05	<0.02	<0.05
1320167	Drill Core	36.8	1.1	128.3	3974	58	13.9	219.0	3.6	6.6	<8	4.9	10.8	2.2	2.7	4.6	0.50	1.5	0.41	0.04	0.40
1320168	Rock Pulp	56.7	1.5	20.2	5070	61	22.9	69.2	1.0	2.8	<8	1.3	7.5	0.1	0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320169	Drill Core	47.3	0.7	51.1	5848	164	9.3	123.5	0.5	1.9	<8	4.5	3.7	0.7	0.4	1.0	0.10	0.6	<0.05	0.02	0.09
1320170	Drill Core	51.3	1.3	63.1	4839	254	4.1	161.4	0.7	4.4	<8	6.1	8.9	0.7	2.7	1.4	0.10	<0.3	0.06	0.02	0.15
1320171	Drill Core	50.5	1.2	33.4	4584	291	6.1	91.4	0.7	3.1	<8	5.9	4.9	0.4	1.4	1.4	0.11	0.7	<0.05	<0.02	0.11
1320172	Drill Core	55.6	1.2	49.4	4629	86	6.5	135.3	1.3	3.1	<8	4.6	5.7	0.3	0.5	1.0	0.07	<0.3	<0.05	<0.02	0.07
1320173	Drill Core	29.6	0.4	21.9	3001	97	4.5	62.9	0.6	1.1	<8	2.6	3.0	<0.1	1.3	1.0	0.06	0.5	<0.05	<0.02	0.05
1320174	Drill Core	22.7	2.3	15.7	3946	48	26.7	49.1	8.4	6.0	<8	3.8	36.9	9.0	8.8	18.7	1.87	6.2	1.66	0.20	1.72
1320175	Drill Core	26.7	0.8	39.1	2424	86	5.9	93.9	0.7	2.1	<8	2.1	4.3	0.3	0.5	0.6	0.03	0.5	0.07	<0.02	0.06
1320176	Drill Core	31.1	1.1	67.3	1887	132	8.3	97.5	2.2	3.2	<8	2.1	7.8	0.3	0.3	0.3	0.02	<0.3	<0.05	<0.02	<0.05
1320177	Drill Core	24.8	0.9	49.1	1038	76	5.5	110.5	2.1	2.4	<8	1.8	3.7	0.3	0.2	0.4	0.03	<0.3	<0.05	<0.02	<0.05
1320178	Rock Pulp	0.8	2.0	1.2	5.3	<1	4.4	0.6	1.9	0.3	<8	0.9	71.8	3.6	14.1	24.3	2.93	11.8	1.73	0.30	1.24
1320179	Drill Core	31.2	0.8	81.0	931.0	41	6.5	112.8	3.3	5.2	<8	2.3	6.9	0.2	0.6	0.5	0.04	<0.3	<0.05	<0.02	<0.05



# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	7PF	7PF	8X	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1
1320588	Drill Core	0.32	1.64	0.35	1.02	0.16	1.11	0.17	0.02	<0.02	0.08	0.18	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320589	Drill Core	0.54	3.13	0.73	2.05	0.29	2.02	0.30	0.06	0.22	0.03	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320590	Drill Core	0.47	2.89	0.55	1.69	0.28	2.03	0.26	0.03	0.16	<0.01	0.05	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320591	Drill Core	0.34	2.05	0.42	1.32	0.20	1.23	0.22	0.03	0.12	0.06	0.10	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320592	Drill Core	0.15	1.19	0.20	0.63	0.10	0.56	0.09	0.02	<0.02	0.11	0.27	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320593	Drill Core	0.39	2.79	0.49	1.34	0.20	1.28	0.19	<0.02	<0.02	0.26	0.13	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320594	Drill Core	0.42	3.03	0.59	1.46	0.26	1.48	0.25	<0.02	0.22	0.04	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320595	Drill Core	0.40	2.24	0.47	1.52	0.23	1.33	0.21	<0.02	0.26	0.02	0.07	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320596	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.07	<0.02	<0.01	1.09	2.16	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320597	Drill Core	0.48	2.65	0.58	1.62	0.23	1.41	0.23	<0.02	0.22	0.02	0.11	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320598	Rock Pulp	0.14	0.91	0.18	0.40	0.05	0.41	0.07	<0.02	<0.02	<0.01	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320599	Drill Core	0.37	2.60	0.45	1.35	0.23	1.46	0.20	<0.02	0.15	0.04	0.18	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320600	Drill Core	0.38	2.24	0.46	1.48	0.20	1.14	0.21	<0.02	0.14	0.08	0.17	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320601	Drill Core	0.19	1.19	0.20	0.61	0.09	0.69	0.09	<0.02	0.03	0.17	0.20	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320602	Drill Core	0.41	2.37	0.59	1.84	0.24	1.80	0.28	<0.02	0.11	0.08	0.13	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320165	Drill Core	0.14	0.88	0.16	0.46	0.09	0.49	0.06	<0.02	<0.02	0.16	0.34	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320166	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	<0.01	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320167	Drill Core	0.06	0.17	0.04	0.16	0.03	0.22	0.03	<0.02	<0.02	0.08	0.36	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320168	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.07	<0.02	<0.01	1.08	2.15	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320169	Drill Core	<0.01	0.17	0.04	0.06	<0.01	<0.05	0.01	<0.02	<0.02	0.06	0.78	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320170	Drill Core	0.01	<0.05	<0.02	<0.03	<0.01	0.09	0.01	<0.02	<0.02	0.02	1.16	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320171	Drill Core	0.01	0.12	<0.02	<0.03	<0.01	0.05	<0.01	<0.02	<0.02	0.03	1.06	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320172	Drill Core	0.01	0.08	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	0.90	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320173	Drill Core	0.01	<0.05	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.30	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320174	Drill Core	0.27	1.64	0.29	0.93	0.13	1.00	0.15	<0.02	<0.02	0.06	0.41	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320175	Drill Core	<0.01	<0.05	<0.02	0.04	<0.01	0.06	<0.01	0.02	<0.02	0.02	1.65	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320176	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	0.06	<0.01	<0.02	<0.02	0.07	1.11	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320177	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.08	1.46	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320178	Rock Pulp	0.13	0.77	0.12	0.35	0.05	0.32	0.07	<0.02	<0.02	<0.01	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320179	Drill Core	<0.01	0.08	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.07	1.09	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	
Unit	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	
MDL	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	
1320588	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320589	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320590	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320591	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320592	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320593	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320594	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320595	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320596	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320597	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320598	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320599	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320600	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320601	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320602	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320165	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320166	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320167	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320168	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320169	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320170	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320171	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320172	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320173	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320174	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320175	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320176	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320177	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320178	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320179	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.



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Project: PAK  
 Report Date: June 18, 2013

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Part: 5 of 1

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In
Unit	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02
1320588	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320589	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320590	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320591	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320592	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320593	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320594	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320595	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320596	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320597	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320598	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320599	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320600	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320601	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320602	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320165	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320166	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320167	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320168	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320169	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320170	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320171	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320172	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320173	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320174	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320175	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320176	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320177	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320178	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320179	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: PAK  
Report Date: June 18, 2013

Page: 5 of 8

Part: 6 of 1

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	1F30	1F30	1F30	1F30	1F30
Analyte	Re	Be	Li	Pd	Pt
Unit	ppb	ppm	ppm	ppb	ppb
MDL	1	0.1	0.1	10	2
1320588	Drill Core	N.A.	N.A.	N.A.	N.A.
1320589	Drill Core	N.A.	N.A.	N.A.	N.A.
1320590	Drill Core	N.A.	N.A.	N.A.	N.A.
1320591	Drill Core	N.A.	N.A.	N.A.	N.A.
1320592	Drill Core	N.A.	N.A.	N.A.	N.A.
1320593	Drill Core	N.A.	N.A.	N.A.	N.A.
1320594	Drill Core	N.A.	N.A.	N.A.	N.A.
1320595	Drill Core	N.A.	N.A.	N.A.	N.A.
1320596	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320597	Drill Core	N.A.	N.A.	N.A.	N.A.
1320598	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320599	Drill Core	N.A.	N.A.	N.A.	N.A.
1320600	Drill Core	N.A.	N.A.	N.A.	N.A.
1320601	Drill Core	N.A.	N.A.	N.A.	N.A.
1320602	Drill Core	N.A.	N.A.	N.A.	N.A.
1320165	Drill Core	N.A.	N.A.	N.A.	N.A.
1320166	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320167	Drill Core	N.A.	N.A.	N.A.	N.A.
1320168	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320169	Drill Core	N.A.	N.A.	N.A.	N.A.
1320170	Drill Core	N.A.	N.A.	N.A.	N.A.
1320171	Drill Core	N.A.	N.A.	N.A.	N.A.
1320172	Drill Core	N.A.	N.A.	N.A.	N.A.
1320173	Drill Core	N.A.	N.A.	N.A.	N.A.
1320174	Drill Core	N.A.	N.A.	N.A.	N.A.
1320175	Drill Core	N.A.	N.A.	N.A.	N.A.
1320176	Drill Core	N.A.	N.A.	N.A.	N.A.
1320177	Drill Core	N.A.	N.A.	N.A.	N.A.
1320178	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320179	Drill Core	N.A.	N.A.	N.A.	N.A.

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
Analyte	Wgt	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	MgO	CaO	Na <sub>2</sub> O	K <sub>2</sub> O	TiO <sub>2</sub>	P <sub>2</sub> O <sub>5</sub>	MnO	Cr <sub>2</sub> O <sub>3</sub>	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320180	Rock Pulp	0.05	74.61	14.92	0.71	0.02	0.37	5.97	1.75	0.05	0.39	0.05	0.003	<20	3	0.6	99.41	11	145	2.1	726.3
1320181	Drill Core	2.46	78.23	17.26	0.46	0.03	0.07	2.90	0.42	<0.01	0.17	0.06	<0.002	<20	<1	0.3	99.90	2	32	0.6	147.4
1320182	Drill Core	2.10	75.77	17.02	0.47	0.10	0.14	2.50	2.32	<0.01	0.21	0.09	<0.002	<20	<1	1.2	99.86	21	72	0.3	353.5
1320183	Drill Core	2.29	79.65	15.58	0.48	0.02	0.11	1.66	1.42	<0.01	0.29	0.16	<0.002	23	<1	0.5	99.87	7	51	0.3	378.6
1320184	Drill Core	2.38	80.54	17.78	0.35	0.05	0.03	0.14	0.28	<0.01	0.04	0.02	<0.002	<20	<1	0.7	99.93	2	5	0.4	167.2
1320185	Drill Core	2.64	80.47	17.86	0.32	0.03	0.02	0.13	0.30	<0.01	0.08	0.02	<0.002	<20	<1	0.7	99.92	2	34	0.4	223.9
1320186	Drill Core	2.49	79.88	18.06	0.27	0.03	0.04	0.18	0.29	<0.01	0.07	0.03	<0.002	<20	<1	1.1	99.93	1	8	0.4	209.0
1320187	Drill Core	2.43	80.32	17.41	0.26	0.03	0.03	0.28	0.53	<0.01	0.06	0.02	<0.002	<20	<1	1.0	99.91	3	33	0.7	216.6
1320188	Drill Core	2.28	79.01	18.49	0.34	0.02	0.01	0.15	0.13	<0.01	0.02	0.02	<0.002	<20	<1	1.7	99.93	2	<1	0.5	98.3
1320189	Drill Core	2.32	81.28	16.80	0.27	0.08	0.03	0.17	0.24	<0.01	0.08	0.02	<0.002	<20	<1	0.8	99.72	2	2	0.3	226.1
1320190	Rock Pulp	0.05	64.43	21.26	0.25	0.04	0.15	1.60	1.82	<0.01	0.26	0.03	0.016	32	<1	2.0	91.90	9	12	0.5	>10000
1320191	Drill Core	1.17	79.97	17.99	0.26	0.02	0.02	0.24	0.45	<0.01	0.10	0.02	<0.002	<20	<1	0.7	99.82	1	233	0.3	495.1
1320192	Rock Pulp	0.10	98.28	0.73	<0.04	0.03	0.03	<0.01	0.16	0.05	0.02	<0.01	<0.002	<20	<1	0.6	99.94	18	<1	0.5	8.4
1320193	Drill Core	2.24	81.31	17.41	0.27	0.07	0.03	0.13	0.11	<0.01	0.01	0.01	<0.002	<20	<1	0.6	99.93	2	7	0.4	168.8
1320194	Drill Core	2.34	81.04	17.53	0.22	0.02	0.01	0.19	0.12	<0.01	0.02	0.01	<0.002	<20	<1	0.8	99.94	<1	<1	0.3	91.8
1320195	Drill Core	2.34	72.60	16.69	1.02	0.01	0.46	7.92	0.37	<0.01	0.45	0.15	<0.002	<20	<1	0.2	99.88	8	15	1.4	196.9
1320196	Drill Core	2.51	77.68	16.20	0.38	0.03	0.07	1.46	0.67	<0.01	0.11	0.08	0.014	66	<1	3.2	99.89	5	19	2.0	206.7
1320197	Drill Core	2.38	79.24	17.06	0.25	0.08	0.10	0.78	0.90	<0.01	0.18	0.09	0.005	<20	<1	1.1	99.84	6	165	0.4	330.2
1320198	Drill Core	2.54	79.34	16.53	0.42	0.06	0.10	1.39	0.64	<0.01	0.19	0.08	<0.002	<20	<1	1.1	99.89	2	59	<0.2	341.5
1320199	Drill Core	2.43	81.13	17.21	0.35	0.02	0.04	0.24	0.25	<0.01	0.02	0.03	<0.002	<20	<1	0.6	99.86	2	130	<0.2	201.4
1320200	Drill Core	2.19	80.71	17.44	0.44	0.05	0.06	1.05	0.26	<0.01	0.07	0.04	<0.002	<20	<1	-0.2	99.94	4	13	0.6	144.5
1320201	Drill Core	1.86	80.44	17.10	0.56	0.02	0.04	0.85	0.15	<0.01	0.03	0.03	<0.002	<20	<1	0.7	99.92	<1	9	<0.2	76.8
1320202	Rock Pulp	0.05	74.73	15.11	0.43	0.03	0.38	6.03	1.74	0.02	0.42	0.05	0.008	36	3	0.5	99.46	11	132	1.4	685.0
1320203	Drill Core	2.20	78.51	18.19	0.44	0.02	0.07	1.32	0.51	<0.01	0.11	0.06	<0.002	<20	<1	0.7	99.91	<1	18	0.2	123.7
1320204	Rock Pulp	0.05	71.52	16.59	0.44	0.05	0.24	3.02	6.09	<0.01	0.33	0.03	0.036	<20	1	1.0	99.33	16	32	0.6	5485
1320205	Drill Core	2.46	78.99	17.28	0.51	0.04	0.08	1.57	0.45	<0.01	0.13	0.05	<0.002	<20	<1	0.8	99.91	<1	22	0.4	130.5
1320206	Drill Core	1.96	74.00	16.84	0.79	0.10	0.24	5.56	1.16	<0.01	0.26	0.10	<0.002	<20	<1	0.8	99.86	3	75	0.4	160.2
1320207	Drill Core	3.13	76.68	13.32	1.05	0.03	0.45	3.69	3.85	<0.01	0.07	0.10	<0.002	<20	3	0.7	99.90	31	5	0.3	241.8
1320208	Drill Core	1.87	74.18	16.05	0.67	0.02	0.19	6.16	1.41	<0.01	0.31	0.16	<0.002	21	<1	0.7	99.82	2	114	0.3	218.1
1320209	Drill Core	2.40	75.72	16.55	0.78	0.04	0.17	4.15	1.39	<0.01	0.28	0.14	<0.002	20	<1	0.7	99.87	5	60	<0.2	165.7

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	
1320180	Rock Pulp	94.8	16.3	158.7	2392	755	28.2	2080	3.3	25.5	<8	4.0	54.9	<0.1	3.7	7.2	0.70	2.9	0.14	0.04	0.09
1320181	Drill Core	26.4	1.4	46.7	501.3	28	4.6	73.2	1.7	4.7	<8	1.2	10.3	0.3	0.3	0.3	<0.02	<0.3	0.06	<0.02	<0.05
1320182	Drill Core	27.3	0.7	54.2	2167	33	8.5	77.4	1.1	3.0	<8	1.9	3.7	0.4	0.6	0.7	0.05	<0.3	0.08	<0.02	<0.05
1320183	Drill Core	27.2	0.4	40.3	1766	64	4.7	62.8	1.2	1.9	<8	2.4	2.4	0.2	0.2	0.3	0.03	0.6	<0.05	<0.02	<0.05
1320184	Drill Core	16.6	<0.1	4.8	344.3	5	2.6	14.8	<0.2	0.4	<8	0.9	0.9	0.3	<0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320185	Drill Core	16.3	<0.1	3.6	382.4	7	2.3	17.5	<0.2	0.4	<8	0.6	0.5	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320186	Drill Core	17.0	0.1	8.0	453.8	9	2.0	22.8	0.4	0.5	<8	1.3	1.1	<0.1	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320187	Drill Core	17.3	1.2	6.7	669.0	9	2.3	18.6	0.3	0.6	<8	1.1	7.1	0.1	0.1	<0.1	<0.02	0.4	<0.05	<0.02	<0.05
1320188	Drill Core	18.3	<0.1	6.9	197.7	15	1.4	26.9	<0.2	0.3	<8	1.1	0.9	<0.1	0.3	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320189	Drill Core	14.3	<0.1	2.8	285.0	8	3.4	9.2	<0.2	0.1	<8	1.0	0.5	<0.1	0.3	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320190	Rock Pulp	51.0	0.7	19.7	3825	62	28.6	67.9	1.5	1.7	<8	<0.5	5.8	0.2	0.7	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
1320191	Drill Core	18.4	0.3	16.0	540.1	9	1.6	40.5	<0.2	0.3	<8	1.3	1.3	<0.1	0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320192	Rock Pulp	0.7	2.0	1.3	4.5	<1	4.4	0.8	2.1	0.3	<8	<0.5	86.3	3.1	14.5	28.1	3.41	13.5	1.90	0.34	1.31
1320193	Drill Core	14.1	<0.1	2.5	146.4	4	3.8	7.5	0.9	<0.1	<8	<0.5	0.7	<0.1	0.6	0.2	0.02	<0.3	<0.05	<0.02	<0.05
1320194	Drill Core	16.0	0.2	1.5	177.6	6	1.4	8.0	<0.2	0.2	<8	<0.5	1.7	<0.1	0.3	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320195	Drill Core	13.7	0.4	9.7	327.4	10	2.1	13.8	<0.2	0.4	<8	0.6	5.1	<0.1	1.0	1.5	0.10	<0.3	<0.05	<0.02	<0.05
1320196	Drill Core	22.1	0.1	23.3	864.3	44	3.3	32.7	1.1	1.2	<8	1.5	2.5	<0.1	0.5	0.3	<0.02	0.6	<0.05	<0.02	<0.05
1320197	Drill Core	23.1	0.5	26.7	1031	36	5.8	53.5	0.9	1.7	<8	1.2	2.5	<0.1	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320198	Drill Core	22.8	0.4	21.8	881.0	25	4.8	38.9	2.7	2.1	<8	1.8	2.8	0.4	0.5	0.5	0.03	0.5	<0.05	<0.02	0.08
1320199	Drill Core	15.6	0.1	7.3	370.2	19	2.2	30.3	0.7	0.9	<8	<0.5	2.2	<0.1	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320200	Drill Core	16.5	0.4	17.1	330.7	21	5.1	33.0	0.3	1.8	<8	0.6	5.4	0.3	0.4	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320201	Drill Core	15.6	0.6	21.1	215.8	16	3.1	23.3	0.5	1.5	<8	<0.5	7.0	0.2	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320202	Rock Pulp	97.6	16.9	155.3	2395	719	27.6	1884	2.9	20.5	<8	3.7	51.8	<0.1	0.7	0.5	<0.02	<0.3	<0.05	<0.02	<0.05
1320203	Drill Core	17.3	0.8	34.3	520.4	23	2.1	41.1	0.5	2.6	<8	1.2	6.5	0.1	0.5	0.2	<0.02	<0.3	<0.05	<0.02	0.09
1320204	Rock Pulp	56.3	1.2	18.5	6480	50	23.1	64.3	1.2	3.7	<8	0.8	6.3	0.3	1.0	0.4	0.03	<0.3	<0.05	<0.02	<0.05
1320205	Drill Core	16.1	0.7	42.4	430.3	29	3.2	37.4	0.6	3.3	<8	1.4	6.3	0.1	0.7	0.2	0.02	<0.3	<0.05	<0.02	0.06
1320206	Drill Core	29.8	1.8	55.9	836.9	39	6.9	67.2	2.8	6.3	<8	1.2	16.7	2.4	0.8	1.6	0.17	0.6	0.33	<0.02	0.47
1320207	Drill Core	17.4	1.7	15.8	1152	20	14.3	20.1	10.4	8.0	<8	1.7	27.1	17.8	8.3	17.2	2.01	7.2	2.40	0.08	3.06
1320208	Drill Core	36.2	2.2	69.4	1156	47	6.6	77.6	2.0	6.7	37	3.3	19.4	0.7	0.2	0.6	0.03	<0.3	<0.05	<0.02	0.13
1320209	Drill Core	35.3	2.5	66.5	1223	49	5.8	69.4	1.5	6.7	28	1.5	19.0	0.9	<0.1	0.6	0.04	<0.3	<0.05	<0.02	0.16

**CERTIFICATE OF ANALYSIS**

**TIM13000017.1**

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B 2A	Leco 2A	Leco	7PF	7PF	8X	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm
1320180	Rock Pulp	<0.01	0.08	<0.02	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	<0.01	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320181	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	1.38	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320182	Drill Core	<0.01	0.07	0.03	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.06	1.10	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320183	Drill Core	<0.01	<0.05	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	1.20	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320184	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.17	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320185	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.05	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320186	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.24	<0.02	<0.01	2.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320187	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320188	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.39	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320189	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.97	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320190	Rock Pulp	<0.01	0.08	<0.02	<0.03	<0.01	0.06	<0.01	0.06	<0.02	<0.01	1.45	8.38	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320191	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.09	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320192	Rock Pulp	0.14	0.87	0.14	0.42	0.05	0.40	0.06	0.02	<0.02	<0.01	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320193	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.13	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320194	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.09	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320195	Drill Core	<0.01	0.10	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.02	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320196	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	0.05	<0.01	<0.02	<0.02	0.03	1.55	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320197	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.75	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320198	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	1.57	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320199	Drill Core	<0.01	0.07	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.05	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320200	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.92	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320201	Drill Core	<0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.86	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320202	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.03	<0.02	<0.01	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320203	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.91	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320204	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	0.42	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320205	Drill Core	<0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.68	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320206	Drill Core	0.07	0.39	0.07	0.11	0.03	0.09	0.02	<0.02	<0.02	0.09	0.56	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320207	Drill Core	0.50	3.27	0.62	1.57	0.27	1.83	0.25	<0.02	0.16	<0.01	0.10	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320208	Drill Core	0.03	0.15	<0.02	<0.03	<0.01	<0.05	0.01	<0.02	<0.02	0.05	0.37	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320209	Drill Core	0.04	0.13	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.06	0.80	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

**CERTIFICATE OF ANALYSIS**

**TIM13000017.1**

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na
Unit	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%
MDL	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001
1320180	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320181	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320182	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320183	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320184	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320185	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320186	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320187	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320188	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320189	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320190	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320191	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320192	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320193	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320194	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320195	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320196	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320197	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320198	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320199	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320200	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320201	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320202	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320203	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320204	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320205	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320206	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320207	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320208	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320209	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.



**CERTIFICATE OF ANALYSIS**

**TIM13000017.1**

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In
Unit	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.02	0.05	0.1	0.01	0.1	0.02
1320180	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320181	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320182	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320183	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320184	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320185	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320186	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320187	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320188	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320189	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320190	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320191	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320192	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320193	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320194	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320195	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320196	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320197	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320198	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320199	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320200	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320201	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320202	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320203	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320204	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320205	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320206	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320207	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320208	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320209	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.



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**Client:** **Houston Lake Mining**  
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**Project:** PAK  
**Report Date:** June 18, 2013

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# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	1F30	1F30	1F30	1F30	1F30
Analyte	Re	Be	Li	Pd	Pt
Unit	ppb	ppm	ppm	ppb	ppb
MDL	1	0.1	0.1	10	2
1320180	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320181	Drill Core	N.A.	N.A.	N.A.	N.A.
1320182	Drill Core	N.A.	N.A.	N.A.	N.A.
1320183	Drill Core	N.A.	N.A.	N.A.	N.A.
1320184	Drill Core	N.A.	N.A.	N.A.	N.A.
1320185	Drill Core	N.A.	N.A.	N.A.	N.A.
1320186	Drill Core	N.A.	N.A.	N.A.	N.A.
1320187	Drill Core	N.A.	N.A.	N.A.	N.A.
1320188	Drill Core	N.A.	N.A.	N.A.	N.A.
1320189	Drill Core	N.A.	N.A.	N.A.	N.A.
1320190	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320191	Drill Core	N.A.	N.A.	N.A.	N.A.
1320192	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320193	Drill Core	N.A.	N.A.	N.A.	N.A.
1320194	Drill Core	N.A.	N.A.	N.A.	N.A.
1320195	Drill Core	N.A.	N.A.	N.A.	N.A.
1320196	Drill Core	N.A.	N.A.	N.A.	N.A.
1320197	Drill Core	N.A.	N.A.	N.A.	N.A.
1320198	Drill Core	N.A.	N.A.	N.A.	N.A.
1320199	Drill Core	N.A.	N.A.	N.A.	N.A.
1320200	Drill Core	N.A.	N.A.	N.A.	N.A.
1320201	Drill Core	N.A.	N.A.	N.A.	N.A.
1320202	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320203	Drill Core	N.A.	N.A.	N.A.	N.A.
1320204	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320205	Drill Core	N.A.	N.A.	N.A.	N.A.
1320206	Drill Core	N.A.	N.A.	N.A.	N.A.
1320207	Drill Core	N.A.	N.A.	N.A.	N.A.
1320208	Drill Core	N.A.	N.A.	N.A.	N.A.
1320209	Drill Core	N.A.	N.A.	N.A.	N.A.

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
Analyte	Wgt	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	MgO	CaO	Na <sub>2</sub> O	K <sub>2</sub> O	TiO <sub>2</sub>	P <sub>2</sub> O <sub>5</sub>	MnO	Cr <sub>2</sub> O <sub>3</sub>	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320210	Drill Core	2.03	74.83	16.45	0.67	0.04	0.19	2.21	4.22	<0.01	0.38	0.17	<0.002	<20	<1	0.7	99.86	9	86	0.3	297.0
1320211	Drill Core	1.73	76.00	17.48	0.53	0.03	0.11	0.77	4.22	<0.01	0.19	0.06	0.003	<20	<1	0.5	99.92	12	14	0.6	205.3
1320212	Drill Core	1.75	74.58	16.17	3.84	0.34	0.27	0.55	2.18	0.10	0.26	0.15	0.005	34	3	1.4	99.83	79	43	10.1	299.0
1320213	Drill Core	1.75	74.11	16.20	0.91	0.03	0.34	4.90	2.16	<0.01	0.36	0.13	<0.002	<20	<1	0.7	99.84	11	124	<0.2	167.5
1320214	Rock Pulp	0.10	97.80	0.76	<0.04	0.04	0.03	<0.01	0.18	0.05	0.02	<0.01	<0.002	<20	<1	1.0	99.92	13	<1	0.3	0.5
1320215	Drill Core	1.15	72.83	16.68	0.67	0.03	0.41	5.09	2.92	<0.01	0.36	0.08	<0.002	<20	<1	0.8	99.86	4	86	0.3	191.2
1320216	Rock Pulp	0.05	74.57	15.01	0.37	0.03	0.37	6.02	1.74	0.02	0.39	0.05	<0.002	<20	3	0.8	99.40	8	174	0.3	745.0
1320217	Drill Core	2.31	74.36	16.62	0.72	0.02	0.41	4.08	2.31	<0.01	0.37	0.13	0.003	<20	<1	0.8	99.80	10	142	<0.2	212.0
1320218	Drill Core	2.57	77.36	15.99	0.74	0.03	0.36	1.02	2.75	<0.01	0.37	0.12	<0.002	<20	<1	1.0	99.80	10	188	0.3	290.2
1320219	Drill Core	2.49	74.76	16.69	0.91	0.04	0.35	2.42	3.31	<0.01	0.32	0.11	<0.002	<20	<1	0.9	99.78	6	163	<0.2	248.0
1320220	Drill Core	2.17	73.40	16.39	0.77	0.03	0.43	3.79	3.36	<0.01	0.40	0.13	0.010	35	<1	1.1	99.80	8	173	0.9	196.1
1320221	Drill Core	2.33	72.83	16.56	0.66	0.02	0.27	3.67	4.38	<0.01	0.34	0.11	<0.002	<20	<1	1.0	99.82	8	141	<0.2	315.5
1320222	Drill Core	2.29	78.95	16.36	0.51	0.04	0.12	1.12	1.31	<0.01	0.18	0.09	<0.002	<20	<1	1.1	99.80	<1	165	0.3	275.4
1320223	Drill Core	2.15	76.70	16.78	0.74	0.03	0.26	1.57	2.39	<0.01	0.32	0.16	<0.002	<20	<1	0.9	99.81	3	130	0.5	290.5
1320224	Drill Core	2.69	77.92	16.96	0.68	0.02	0.19	2.55	0.75	<0.01	0.21	0.10	<0.002	<20	<1	0.5	99.86	<1	91	0.4	91.9
1320225	Drill Core	2.74	77.33	17.29	0.51	0.03	0.30	0.75	2.04	<0.01	0.43	0.18	<0.002	<20	<1	0.9	99.79	1	239	<0.2	232.7
1320226	Rock Pulp	0.05	68.06	21.18	0.27	0.05	0.16	1.77	2.84	<0.01	0.26	0.03	0.019	<20	2	1.6	96.22	9	23	0.4	>10000
1320227	Drill Core	2.21	74.67	16.65	0.71	0.04	0.33	4.54	1.58	<0.01	0.40	0.17	<0.002	<20	<1	0.8	99.84	2	135	0.3	155.1
1320228	Rock Pulp	0.10	97.91	0.77	0.11	0.03	0.03	0.01	0.19	0.05	0.03	<0.01	<0.002	<20	<1	0.8	99.93	15	<1	0.4	0.6
1320229	Drill Core	2.15	75.78	16.91	0.61	0.03	0.17	1.70	3.78	<0.01	0.25	0.09	<0.002	<20	<1	0.6	99.89	5	70	0.3	204.0
1320230	Drill Core	2.73	76.84	16.87	0.39	0.04	0.10	0.99	3.65	<0.01	0.14	0.07	<0.002	<20	<1	0.8	99.87	5	90	<0.2	235.1
1320231	Drill Core	2.33	75.20	16.34	0.66	0.02	0.31	3.83	2.08	<0.01	0.40	0.15	<0.002	<20	<1	0.8	99.80	4	199	<0.2	214.6
1320232	Drill Core	2.40	74.34	16.15	0.58	<0.01	0.38	6.78	0.73	<0.01	0.35	0.13	<0.002	<20	<1	0.4	99.82	<1	141	<0.2	123.7
1320233	Drill Core	2.42	79.04	16.92	0.70	0.02	0.25	0.83	1.01	0.01	0.33	0.12	<0.002	<20	<1	0.7	99.90	3	91	0.3	83.6
1320234	Drill Core	1.97	75.62	16.88	0.64	0.02	0.38	2.34	2.74	<0.01	0.38	0.10	<0.002	<20	<1	0.8	99.91	9	116	0.3	217.8
1320235	Drill Core	2.40	74.36	16.87	0.63	0.02	0.42	4.80	1.55	<0.01	0.35	0.13	<0.002	<20	<1	0.8	99.92	3	109	<0.2	142.8
1320236	Drill Core	2.46	76.00	17.25	0.47	0.03	0.21	2.90	2.29	<0.01	0.25	0.08	<0.002	<20	<1	0.5	99.95	2	74	<0.2	138.6
1320237	Drill Core	2.04	75.39	16.09	0.61	0.02	0.24	3.92	2.58	<0.01	0.26	0.10	<0.002	<20	<1	0.7	99.92	3	126	<0.2	147.4
1320238	Rock Pulp	0.05	74.80	14.91	0.40	0.03	0.38	5.98	1.74	0.02	0.39	0.05	<0.002	<20	3	0.6	99.35	8	180	0.3	771.5
1320239	Drill Core	1.03	75.98	16.68	0.83	0.02	0.21	2.83	1.71	<0.01	0.66	0.40	<0.002	<20	<1	0.6	99.93	6	98	0.3	134.5

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	
1320210	Drill Core	28.2	0.6	36.6	3417	35	6.6	35.4	0.3	3.4	23	1.6	6.4	1.5	<0.1	0.9	0.09	0.4	0.08	<0.02	0.35
1320211	Drill Core	20.3	0.7	20.0	3059	23	4.9	48.4	0.5	1.1	<8	1.4	4.8	0.6	1.2	0.5	0.06	<0.3	0.07	<0.02	0.17
1320212	Drill Core	32.2	0.6	39.3	1909	72	57.3	44.3	1.4	1.8	37	3.5	16.1	4.5	4.1	9.0	0.98	4.2	0.76	0.21	0.93
1320213	Drill Core	33.6	2.8	87.4	1955	42	21.0	85.6	2.7	11.0	<8	1.9	18.8	1.1	1.1	0.9	0.10	0.3	0.14	<0.02	0.18
1320214	Rock Pulp	1.4	1.6	1.6	5.1	<1	3.8	0.8	2.5	0.4	<8	0.6	66.5	4.0	14.4	27.1	3.24	12.4	2.11	0.32	1.17
1320215	Drill Core	38.5	2.8	76.9	2353	55	12.1	80.8	2.1	7.0	<8	1.9	18.7	0.8	0.4	0.7	0.07	<0.3	0.06	<0.02	0.17
1320216	Rock Pulp	103.0	18.9	158.9	2559	815	30.3	1974	3.8	18.7	18	4.0	58.8	0.2	<0.1	0.2	<0.02	<0.3	<0.05	<0.02	0.09
1320217	Drill Core	35.9	1.2	97.1	2237	59	17.5	117.4	2.8	9.4	13	3.6	12.8	1.2	0.1	0.9	0.11	0.6	0.09	0.03	0.23
1320218	Drill Core	29.2	1.2	70.4	2775	68	10.2	63.1	1.9	7.0	9	4.2	11.2	0.9	0.4	0.7	0.06	<0.3	<0.05	<0.02	0.14
1320219	Drill Core	35.5	4.0	123.6	2911	84	10.4	94.6	6.4	31.1	9	4.7	29.7	1.5	0.2	1.1	0.06	<0.3	0.06	<0.02	0.24
1320220	Drill Core	41.4	1.2	81.1	3182	104	18.4	89.4	1.0	5.5	8	4.5	14.4	1.0	<0.1	0.4	<0.02	<0.3	<0.05	<0.02	0.12
1320221	Drill Core	36.1	1.9	69.0	3967	51	25.0	64.3	2.9	9.8	<8	2.3	14.4	0.6	<0.1	0.4	<0.02	<0.3	<0.05	<0.02	0.09
1320222	Drill Core	27.0	2.0	42.6	1572	126	8.9	52.3	2.7	8.7	<8	3.1	15.5	0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320223	Drill Core	32.2	1.8	60.3	2669	85	10.6	152.9	2.8	5.0	<8	2.0	11.1	1.0	<0.1	0.5	<0.02	<0.3	<0.05	<0.02	0.10
1320224	Drill Core	24.8	1.7	45.9	798.9	64	6.3	42.7	2.0	7.2	<8	1.0	11.9	0.3	0.4	0.4	0.03	<0.3	0.06	<0.02	0.10
1320225	Drill Core	25.1	0.9	44.5	2088	53	14.0	60.4	2.2	4.8	<8	1.0	7.6	0.8	<0.1	0.4	<0.02	<0.3	<0.05	<0.02	0.10
1320226	Rock Pulp	52.0	1.6	34.0	3962	65	20.9	65.5	2.2	2.4	<8	0.6	6.3	0.2	0.2	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320227	Drill Core	32.0	1.6	69.2	1461	46	13.9	78.5	2.4	5.4	<8	1.9	9.6	0.3	0.2	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
1320228	Rock Pulp	1.0	2.0	6.1	4.8	<1	3.9	0.7	2.1	0.3	<8	<0.5	73.0	3.1	12.5	25.8	2.99	9.3	1.97	0.31	1.18
1320229	Drill Core	23.8	0.2	25.3	2979	30	8.8	24.8	0.5	1.9	<8	1.7	3.0	0.5	0.6	0.2	0.04	<0.3	<0.05	<0.02	<0.05
1320230	Drill Core	21.9	0.3	19.2	3077	27	6.7	19.2	0.6	1.3	<8	0.6	2.7	0.2	1.0	0.4	<0.02	0.8	<0.05	<0.02	<0.05
1320231	Drill Core	34.8	1.8	53.5	1981	43	13.8	72.5	1.6	3.4	<8	1.2	11.4	0.2	0.7	0.4	0.03	<0.3	<0.05	<0.02	<0.05
1320232	Drill Core	38.0	2.1	69.6	752.3	26	13.5	102.0	3.2	6.0	<8	1.1	12.7	0.4	1.1	0.8	0.05	<0.3	<0.05	<0.02	<0.05
1320233	Drill Core	26.5	0.2	32.6	984.3	32	8.5	26.5	0.6	1.0	<8	2.0	2.9	0.3	0.6	0.8	0.03	0.4	0.10	<0.02	0.06
1320234	Drill Core	29.3	0.6	47.8	2564	43	12.9	52.2	0.7	3.4	<8	2.3	3.4	0.5	0.5	0.4	0.03	<0.3	0.09	<0.02	0.09
1320235	Drill Core	36.3	1.2	61.0	1625	54	12.5	71.0	2.6	6.5	<8	2.0	9.4	0.9	0.6	0.5	0.04	<0.3	<0.05	<0.02	0.09
1320236	Drill Core	27.9	0.9	24.8	2121	37	8.4	36.3	0.9	2.1	<8	1.0	3.8	0.2	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320237	Drill Core	30.9	1.3	38.9	2381	29	9.8	41.8	2.1	6.6	<8	1.8	10.1	0.6	0.2	0.2	0.03	<0.3	0.11	<0.02	0.09
1320238	Rock Pulp	105.7	17.3	176.9	2548	961	30.9	2208	3.2	21.2	<8	4.6	51.9	0.2	0.1	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
1320239	Drill Core	29.0	1.0	33.6	1798	29	9.4	40.4	0.9	2.8	<8	2.4	4.6	0.5	0.2	0.2	<0.02	<0.3	0.06	<0.02	0.06



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Project: PAK  
 Report Date: June 18, 2013

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# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	7PF	7PF	8X	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1
1320210	Drill Core	0.06	0.19	0.04	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.87	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320211	Drill Core	0.04	0.15	<0.02	0.04	<0.01	0.05	<0.01	<0.02	<0.02	<0.01	1.35	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320212	Drill Core	0.15	0.59	0.13	0.39	0.06	0.33	0.04	<0.02	0.31	0.13	0.90	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320213	Drill Core	0.04	0.21	0.04	0.07	<0.01	<0.05	0.01	<0.02	<0.02	0.07	0.40	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320214	Rock Pulp	0.15	0.72	0.16	0.42	0.05	0.39	0.06	<0.02	<0.02	<0.01	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320215	Drill Core	0.04	0.08	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.07	0.30	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320216	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.03	<0.02	<0.01	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320217	Drill Core	0.03	0.25	<0.02	<0.03	<0.01	0.05	<0.01	<0.02	<0.02	0.05	0.62	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320218	Drill Core	0.01	0.13	<0.02	0.06	<0.01	0.06	<0.01	<0.02	<0.02	0.01	1.14	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320219	Drill Core	0.05	0.27	0.02	0.12	0.01	<0.05	0.01	<0.02	<0.02	0.02	0.75	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320220	Drill Core	0.04	0.13	<0.02	<0.03	<0.01	0.07	<0.01	<0.02	<0.02	0.01	0.40	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320221	Drill Core	0.01	0.09	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.06	0.45	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320222	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	1.50	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320223	Drill Core	0.02	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	1.22	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320224	Drill Core	0.02	<0.05	<0.02	<0.03	<0.01	0.08	<0.01	<0.02	<0.02	0.05	1.32	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320225	Drill Core	0.01	0.13	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.57	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320226	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	1.52	4.18	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320227	Drill Core	<0.01	0.07	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.06	0.67	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320228	Rock Pulp	0.14	0.86	0.13	0.42	0.06	0.48	0.07	<0.02	<0.02	<0.01	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320229	Drill Core	0.01	0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.10	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320230	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.25	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320231	Drill Core	<0.01	<0.05	<0.02	0.05	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	0.74	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320232	Drill Core	0.01	0.11	<0.02	<0.03	<0.01	0.05	<0.01	<0.02	<0.02	0.07	0.29	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320233	Drill Core	0.02	0.06	<0.02	0.06	0.01	<0.05	0.01	<0.02	<0.02	<0.01	1.67	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320234	Drill Core	0.02	0.12	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.05	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320235	Drill Core	0.02	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.64	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320236	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.10	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320237	Drill Core	0.03	<0.05	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.67	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320238	Rock Pulp	<0.01	0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	<0.01	0.09	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320239	Drill Core	0.02	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.06	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	
Unit	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	
MDL	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	
1320210	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320211	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320212	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320213	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320214	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320215	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320216	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320217	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320218	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320219	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320220	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320221	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320222	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320223	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320224	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320225	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320226	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320227	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320228	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320229	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320230	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320231	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320232	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320233	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320234	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320235	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320236	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320237	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320238	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320239	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In
Unit	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02
1320210	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320211	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320212	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320213	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320214	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320215	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320216	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320217	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320218	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320219	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320220	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320221	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320222	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320223	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320224	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320225	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320226	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320227	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320228	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320229	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320230	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320231	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320232	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320233	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320234	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320235	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320236	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320237	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320238	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320239	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	1F30	1F30	1F30	1F30	1F30
Analyte	Re	Be	Li	Pd	Pt
Unit	ppb	ppm	ppm	ppb	ppb
MDL	1	0.1	0.1	10	2
1320210	Drill Core	N.A.	N.A.	N.A.	N.A.
1320211	Drill Core	N.A.	N.A.	N.A.	N.A.
1320212	Drill Core	N.A.	N.A.	N.A.	N.A.
1320213	Drill Core	N.A.	N.A.	N.A.	N.A.
1320214	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320215	Drill Core	N.A.	N.A.	N.A.	N.A.
1320216	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320217	Drill Core	N.A.	N.A.	N.A.	N.A.
1320218	Drill Core	N.A.	N.A.	N.A.	N.A.
1320219	Drill Core	N.A.	N.A.	N.A.	N.A.
1320220	Drill Core	N.A.	N.A.	N.A.	N.A.
1320221	Drill Core	N.A.	N.A.	N.A.	N.A.
1320222	Drill Core	N.A.	N.A.	N.A.	N.A.
1320223	Drill Core	N.A.	N.A.	N.A.	N.A.
1320224	Drill Core	N.A.	N.A.	N.A.	N.A.
1320225	Drill Core	N.A.	N.A.	N.A.	N.A.
1320226	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320227	Drill Core	N.A.	N.A.	N.A.	N.A.
1320228	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320229	Drill Core	N.A.	N.A.	N.A.	N.A.
1320230	Drill Core	N.A.	N.A.	N.A.	N.A.
1320231	Drill Core	N.A.	N.A.	N.A.	N.A.
1320232	Drill Core	N.A.	N.A.	N.A.	N.A.
1320233	Drill Core	N.A.	N.A.	N.A.	N.A.
1320234	Drill Core	N.A.	N.A.	N.A.	N.A.
1320235	Drill Core	N.A.	N.A.	N.A.	N.A.
1320236	Drill Core	N.A.	N.A.	N.A.	N.A.
1320237	Drill Core	N.A.	N.A.	N.A.	N.A.
1320238	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320239	Drill Core	N.A.	N.A.	N.A.	N.A.



# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320240	Rock Pulp	0.05	64.14	21.52	0.22	0.04	0.16	1.69	1.94	<0.01	0.25	0.03	0.014	24	<1	1.6	91.62	9	26	0.6	>10000
1320241	Drill Core	1.79	47.16	4.39	41.82	4.24	1.33	0.15	0.55	0.09	0.15	0.29	0.006	<20	3	-0.4	99.77	132	168	7.5	343.0
1320242	Drill Core	2.84	50.05	7.09	35.10	4.15	2.01	0.33	0.49	0.20	0.16	0.31	0.004	56	7	-0.1	99.80	412	6	16.4	105.3
1320243	Drill Core	3.04	53.04	5.55	35.00	3.95	1.70	0.08	0.13	0.24	0.15	0.29	0.012	70	8	-0.3	99.87	165	<1	19.3	23.4
1320244	Drill Core	2.75	59.55	10.12	21.85	3.58	2.22	0.21	0.20	0.27	0.13	0.26	0.012	95	11	1.4	99.85	238	<1	34.8	24.9
1320245	Drill Core	2.49	58.38	9.49	23.70	3.55	1.06	0.09	0.25	0.28	0.11	0.28	0.021	105	17	2.6	99.86	164	3	17.5	35.1
1320246	Drill Core	2.44	56.23	17.91	15.81	3.48	2.01	0.38	0.54	0.56	0.07	0.23	0.035	191	24	2.5	99.78	344	1	59.0	55.7
1320247	Drill Core	2.00	54.89	15.90	9.25	4.81	11.03	0.68	0.16	0.46	0.03	0.15	0.065	747	42	1.9	99.41	55	<1	185.5	6.6
1320248	Drill Core	2.33	56.01	16.61	9.52	4.36	8.70	1.17	0.34	0.52	0.03	0.18	0.064	758	50	2.1	99.71	66	<1	247.3	26.8



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Project: PAK  
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# CERTIFICATE OF ANALYSIS

TIM13000017.1

	Method Analyte Unit MDL	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
1320240	Rock Pulp	50.4	1.0	17.9	3861	60	28.5	75.6	1.4	1.9	<8	0.7	5.4	0.1	<0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05	
1320241	Drill Core	9.3	1.0	3.6	689.2	53	39.4	21.1	1.9	0.7	33	<0.5	26.1	9.8	7.0	13.2	1.41	5.0	1.19	0.42	1.05	
1320242	Drill Core	9.6	1.6	5.1	209.7	8	162.0	9.6	3.1	0.8	59	1.5	42.4	10.6	12.5	21.1	2.41	9.2	1.65	0.53	1.89	
1320243	Drill Core	6.7	0.9	3.5	34.5	<1	20.8	22.3	2.4	0.2	55	5.9	42.5	12.6	8.9	17.3	1.91	7.0	1.26	0.57	1.67	
1320244	Drill Core	11.5	1.6	3.6	44.8	5	53.9	12.9	4.1	1.0	68	6.3	58.6	15.1	16.9	34.4	3.70	15.0	2.44	0.80	2.75	
1320245	Drill Core	12.2	1.4	5.9	49.1	2	27.5	9.2	3.3	1.1	116	1.7	51.0	13.6	12.6	23.6	2.74	9.9	2.10	0.67	2.52	
1320246	Drill Core	18.9	2.7	5.7	59.6	3	98.2	0.9	6.1	1.9	175	1.7	93.5	20.5	19.4	35.0	4.03	15.3	2.97	0.81	3.47	
1320247	Drill Core	13.2	0.8	1.1	10.7	<1	111.6	0.3	<0.2	<0.1	245	0.6	25.8	9.9	2.4	4.4	0.64	2.7	0.80	0.37	1.32	
1320248	Drill Core	12.5	1.0	1.3	43.6	<1	98.8	0.3	<0.2	<0.1	276	<0.5	27.8	13.3	2.0	5.1	0.67	4.7	1.02	0.42	1.76	



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# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	7PF	7PF	8X	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	
1320240	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.05	<0.02	<0.01	1.56	8.36	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320241	Drill Core	0.18	1.08	0.25	0.76	0.12	0.65	0.12	0.03	1.40	0.03	0.07	N.A.	0.14	56.17	0.64	33.5	149	16.3	4.9	731
1320242	Drill Core	0.27	1.85	0.35	0.94	0.17	0.99	0.14	<0.02	2.41	0.06	0.06	N.A.	0.35	84.05	1.39	32.1	252	58.9	15.4	475
1320243	Drill Core	0.27	1.84	0.40	1.06	0.15	0.93	0.15	0.04	1.80	<0.01	0.02	N.A.	0.74	83.83	0.59	30.6	115	55.8	22.6	394
1320244	Drill Core	0.43	2.29	0.50	1.47	0.19	1.50	0.21	0.03	2.60	0.05	0.03	N.A.	1.06	120.8	1.23	26.6	203	95.6	41.6	342
1320245	Drill Core	0.39	2.24	0.56	1.42	0.21	1.23	0.21	0.03	3.59	0.03	0.02	N.A.	1.00	150.0	0.88	81.2	251	101.5	21.2	361
1320246	Drill Core	0.53	3.56	0.67	2.06	0.29	1.99	0.29	0.06	2.39	0.07	0.08	N.A.	1.17	70.95	4.41	56.1	168	155.0	66.0	390
1320247	Drill Core	0.24	1.74	0.35	0.94	0.13	0.86	0.14	0.03	2.56	<0.01	<0.01	N.A.	0.65	154.5	2.92	2889	184	661.2	179.5	148
1320248	Drill Core	0.31	2.16	0.47	1.44	0.23	1.47	0.21	0.02	2.33	<0.01	0.02	N.A.	0.33	103.6	2.86	694.7	114	709.4	250.9	274



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# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	
Unit	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	
MDL	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	
1320240	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320241	Drill Core	10.68	1849	0.5	9.6	2.2	22.5	0.08	4.39	0.53	16	0.54	0.068	7.9	10.6	0.54	124.3	0.029	7	1.25	0.035
1320242	Drill Core	9.94	7990	0.6	57.0	2.6	67.4	0.05	6.47	0.73	27	0.57	0.068	11.6	13.6	0.51	83.9	0.042	7	1.46	0.074
1320243	Drill Core	9.65	2839	0.4	18.2	2.5	12.1	0.09	4.39	0.27	31	0.44	0.048	9.7	24.2	0.42	110.3	0.024	2	1.07	0.021
1320244	Drill Core	6.55	1087	0.9	38.4	3.6	22.5	0.10	3.60	0.57	27	0.35	0.039	15.0	24.8	0.55	65.8	0.014	3	1.42	0.028
1320245	Drill Core	9.94	1182	0.8	31.9	3.0	15.4	0.10	2.69	0.44	71	0.30	0.051	12.0	87.8	1.23	104.9	0.029	2	2.32	0.014
1320246	Drill Core	6.54	3525	1.2	73.1	5.4	71.9	0.12	9.02	0.55	75	0.95	0.029	18.2	84.3	1.23	110.6	0.041	7	3.77	0.129
1320247	Drill Core	3.67	106.8	<0.1	7.0	0.2	95.7	5.51	2.10	0.24	29	4.26	0.013	1.5	60.2	0.28	31.8	0.060	6	6.55	0.390
1320248	Drill Core	4.25	220.3	<0.1	8.0	0.2	73.5	1.11	1.12	0.22	98	3.43	0.015	1.8	174.3	0.83	55.8	0.048	5	6.30	0.503

# CERTIFICATE OF ANALYSIS

TIM13000017.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	
Unit	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.02	0.05	0.1	0.01	0.1	0.02	
1320240	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320241	Drill Core	0.44	0.2	1.3	5.12	1.22	<5	0.1	0.18	6.3	280.2	0.5	0.24	0.28	621.1	17.8	<0.05	8.5	5.00	15.0	<0.02
1320242	Drill Core	0.35	1.0	2.0	1.62	2.09	<5	<0.1	0.18	5.0	101.9	0.4	0.13	0.22	186.2	3.5	<0.05	6.1	3.42	22.9	0.02
1320243	Drill Core	0.09	3.1	2.4	0.42	1.67	5	0.5	0.28	4.6	23.81	0.5	0.15	0.08	32.0	1.0	<0.05	5.5	4.05	18.1	<0.02
1320244	Drill Core	0.05	3.9	3.9	0.30	2.34	<5	1.1	0.61	3.5	21.94	0.2	0.17	0.09	18.5	0.8	<0.05	6.4	3.37	29.3	0.04
1320245	Drill Core	0.19	0.9	6.3	0.69	3.18	<5	1.4	0.38	8.4	32.64	0.5	0.19	0.10	44.6	0.8	<0.05	5.9	3.37	25.1	0.03
1320246	Drill Core	0.29	0.7	8.8	0.92	2.02	<5	1.1	0.60	9.3	41.01	0.2	0.25	0.09	41.7	1.3	<0.05	9.3	4.59	37.2	0.05
1320247	Drill Core	0.06	0.1	2.6	0.26	2.19	<5	0.4	0.12	9.5	4.52	0.2	0.04	<0.02	6.3	<0.1	<0.05	1.7	1.82	3.5	0.04
1320248	Drill Core	0.22	0.1	7.8	0.90	1.98	<5	0.4	0.19	9.8	22.81	0.3	0.04	<0.02	37.4	<0.1	<0.05	1.7	2.25	4.4	0.02



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**Project:** PAK  
**Report Date:** June 18, 2013

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## CERTIFICATE OF ANALYSIS

TIM13000017.1

	Method	1F30	1F30	1F30	1F30	1F30
		Re	Be	Li	Pd	Pt
Analyte						
Unit		ppb	ppm	ppm	ppb	ppb
MDL		1	0.1	0.1	10	2
1320240	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.
1320241	Drill Core	3	4.4	188.2	<10	<2
1320242	Drill Core	<1	1.2	170.5	<10	<2
1320243	Drill Core	2	0.3	58.6	<10	<2
1320244	Drill Core	2	0.4	107.0	<10	<2
1320245	Drill Core	4	0.7	152.8	<10	<2
1320246	Drill Core	1	0.5	452.8	<10	<2
1320247	Drill Core	3	0.2	48.1	<10	10
1320248	Drill Core	3	0.1	114.7	<10	10

# QUALITY CONTROL REPORT

TIM13000017.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320112	Drill Core	2.07	67.55	19.07	2.11	0.07	1.14	7.90	0.50	0.02	0.83	0.18	<0.002	<20	<1	0.5	99.85	4	3	0.8	77.5
1320602	Drill Core	1.09	75.72	13.46	1.28	0.02	0.68	3.31	4.44	0.01	0.04	0.07	<0.002	<20	3	0.8	99.84	177	12	0.7	441.5
1320190	Rock Pulp	0.05	64.43	21.26	0.25	0.04	0.15	1.60	1.82	<0.01	0.26	0.03	0.016	32	<1	2.0	91.90	9	12	0.5	>10000
1320205	Drill Core	2.46	78.99	17.28	0.51	0.04	0.08	1.57	0.45	<0.01	0.13	0.05	<0.002	<20	<1	0.8	99.91	<1	22	0.4	130.5
Pulp Duplicates																					
REP 1320115	QC																				
1320118	Rock Pulp	0.10	97.26	0.73	0.07	0.03	0.04	<0.01	0.20	0.05	0.03	<0.01	<0.002	<20	<1	1.6	99.95	18	<1	0.7	<0.1
REP 1320118	QC		97.11	0.75	0.08	0.03	0.04	<0.01	0.28	0.05	0.02	<0.01	0.002	<20	<1	1.6	99.93	15	<1	0.4	<0.1
1320121	Drill Core	2.28	71.98	17.09	1.43	0.04	0.47	7.23	0.52	0.01	0.39	0.10	<0.002	<20	<1	0.6	99.87	<1	<1	0.7	108.4
REP 1320121	QC		71.97	16.97	1.45	0.05	0.48	7.33	0.52	0.02	0.38	0.11	<0.002	<20	<1	0.6	99.86	2	3	1.2	106.4
1320128	Drill Core	2.40	78.08	13.01	1.07	0.03	0.33	5.80	0.80	<0.01	0.31	0.11	0.004	<20	<1	0.3	99.84	13	72	1.2	148.4
REP 1320128	QC																				
1320130	Rock Pulp	0.05	70.47	19.02	0.46	0.05	0.19	2.26	4.14	<0.01	0.27	0.03	0.035	43	1	0.9	97.83	10	28	0.9	>10000
REP 1320130	QC																				
1320150	Drill Core	2.02	70.36	17.37	0.35	<0.01	0.13	4.39	6.66	<0.01	0.30	0.09	<0.002	<20	<1	0.2	99.85	32	48	<0.2	453.4
REP 1320150	QC																				
1320163	Drill Core	2.52	72.34	16.66	1.06	<0.01	0.45	7.15	1.06	<0.01	0.46	0.15	<0.002	<20	<1	0.5	99.82	3	70	0.2	197.6
REP 1320163	QC																				
1320551	Drill Core	1.80	75.50	13.22	1.27	0.07	0.69	3.24	4.36	0.04	0.11	0.06	<0.002	<20	3	1.3	99.83	331	4	<0.2	448.9
REP 1320551	QC																				
1320560	Rock Pulp	0.05	67.23	21.09	0.25	0.04	0.16	1.76	2.88	<0.01	0.25	0.03	0.018	21	<1	2.1	95.77	13	24	<0.2	>10000
REP 1320560	QC																				
1320567	Drill Core	2.07	73.78	15.21	1.11	0.03	0.54	4.92	2.84	0.01	0.19	0.12	0.003	<20	2	1.1	99.80	116	73	0.6	264.1
REP 1320567	QC		74.08	15.13	1.01	0.04	0.52	4.90	2.76	0.01	0.20	0.11	0.002	<20	2	1.1	99.82	114	69	0.6	260.0
1320571	Drill Core	2.35	73.38	15.83	0.86	0.02	0.28	5.14	2.94	<0.01	0.19	0.10	<0.002	<20	1	1.1	99.81	83	47	0.5	420.1
REP 1320571	QC																				
1320584	Rock Pulp	0.10	98.12	0.76	0.04	0.03	0.03	0.02	0.19	0.05	0.03	<0.01	<0.002	<20	<1	0.7	99.94	12	<1	0.4	0.7
REP 1320584	QC																				
1320586	Rock Pulp	0.05	74.36	15.14	0.40	0.02	0.39	6.14	1.78	0.02	0.40	0.05	0.003	<20	3	0.7	99.41	14	145	1.0	702.9

## QUALITY CONTROL REPORT

TIM13000017.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
1320112	Drill Core	36.3	9.3	48.0	140.9	18	9.4	128.5	5.7	10.3	<8	1.6	86.7	14.6	4.9	12.1	1.45	5.1	1.73	0.32	2.18
1320602	Drill Core	12.2	2.2	8.7	1513	22	47.4	4.7	13.8	6.0	<8	2.5	44.7	15.1	12.8	27.2	2.84	11.2	2.53	0.25	2.56
1320190	Rock Pulp	51.0	0.7	19.7	3825	62	28.6	67.9	1.5	1.7	<8	<0.5	5.8	0.2	0.7	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
1320205	Drill Core	16.1	0.7	42.4	430.3	29	3.2	37.4	0.6	3.3	<8	1.4	6.3	0.1	0.7	0.2	0.02	<0.3	<0.05	<0.02	0.06
Pulp Duplicates																					
REP 1320115	QC																				
1320118	Rock Pulp	3.1	2.0	3.2	3.8	<1	4.8	0.2	2.0	0.3	<8	<0.5	77.4	3.0	12.4	22.9	2.62	7.9	1.65	0.23	1.01
REP 1320118	QC	2.0	1.6	2.6	3.6	<1	3.9	0.1	2.1	0.2	11	<0.5	65.4	3.2	14.1	24.5	2.86	11.1	1.68	0.28	1.16
1320121	Drill Core	32.9	4.9	21.3	230.7	15	6.1	74.8	11.5	7.3	<8	1.0	50.3	9.8	15.3	33.3	3.71	10.5	2.77	0.34	2.47
REP 1320121	QC	33.2	5.1	19.2	236.8	21	5.9	77.5	11.8	7.4	<8	1.0	53.5	9.8	16.5	34.9	3.86	14.4	3.11	0.36	2.55
1320128	Drill Core	29.9	5.6	50.7	644.7	22	9.7	84.5	9.5	13.2	<8	2.2	50.3	2.2	2.4	5.7	0.55	3.6	0.53	0.08	0.64
REP 1320128	QC																				
1320130	Rock Pulp	54.5	1.1	20.1	4849	60	22.7	68.3	1.0	2.6	<8	1.0	5.9	<0.1	<0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
REP 1320130	QC																				
1320150	Drill Core	31.2	2.1	49.3	5218	58	8.5	86.3	2.7	8.4	<8	1.2	13.5	<0.1	0.3	0.4	<0.02	<0.3	<0.05	<0.02	<0.05
REP 1320150	QC																				
1320163	Drill Core	35.6	6.4	118.9	973.1	26	7.1	122.2	3.7	17.2	<8	1.9	50.4	4.1	1.1	1.8	0.19	0.9	0.44	0.05	0.66
REP 1320163	QC																				
1320551	Drill Core	15.4	3.0	10.3	1208	29	68.5	4.4	18.3	6.6	10	2.0	67.0	11.1	19.1	35.7	4.18	14.4	3.05	0.30	2.69
REP 1320551	QC																				
1320560	Rock Pulp	54.2	1.0	21.0	4172	65	22.5	73.6	1.3	2.3	<8	1.0	5.8	<0.1	<0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
REP 1320560	QC																				
1320567	Drill Core	30.3	2.8	36.0	1587	122	31.4	53.1	10.1	6.0	<8	4.1	32.9	7.2	11.0	20.1	2.04	7.9	1.65	0.23	1.62
REP 1320567	QC	30.9	3.1	31.1	1577	135	31.4	53.0	10.5	6.6	<8	4.3	44.6	8.3	11.7	19.8	2.10	8.8	1.52	0.20	1.52
1320571	Drill Core	34.5	4.3	52.6	2345	57	19.7	75.2	8.7	9.1	<8	4.0	40.9	7.2	5.9	12.6	1.17	4.0	1.23	0.10	1.23
REP 1320571	QC																				
1320584	Rock Pulp	0.8	1.9	6.1	4.5	<1	5.1	0.9	1.8	0.3	<8	<0.5	72.4	3.2	14.5	26.4	3.18	11.2	1.85	0.29	1.35
REP 1320584	QC																				
1320586	Rock Pulp	101.0	22.3	153.9	2416	775	28.3	2040	3.2	24.5	<8	4.9	60.6	<0.1	0.9	0.6	0.03	<0.3	<0.05	<0.02	<0.05



## QUALITY CONTROL REPORT

TIM13000017.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	7PF	7PF	8X	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
MDL		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1
1320112	Drill Core	0.39	2.31	0.39	0.97	0.16	0.89	0.14	0.02	<0.02	0.43	0.05	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320602	Drill Core	0.41	2.37	0.59	1.84	0.24	1.80	0.28	<0.02	0.11	0.08	0.13	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320190	Rock Pulp	<0.01	0.08	<0.02	<0.03	<0.01	0.06	<0.01	0.06	<0.02	<0.01	1.45	8.38	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320205	Drill Core	<0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.68	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Pulp Duplicates																					
REP 1320115	QC											0.05									
1320118	Rock Pulp	0.12	0.60	0.10	0.47	0.06	0.31	0.06	<0.02	<0.02	<0.01	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320118	QC	0.13	0.58	0.15	0.33	0.05	0.31	0.05													
1320121	Drill Core	0.34	1.74	0.27	0.72	0.09	0.57	0.10	<0.02	<0.02	0.34	0.06	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320121	QC	0.33	2.07	0.25	0.73	0.10	0.78	0.10													
1320128	Drill Core	0.09	0.47	0.10	0.21	0.04	0.28	0.03	<0.02	<0.02	0.13	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320128	QC											0.13									
1320130	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	1.12	2.17	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320130	QC									0.06	<0.02										
1320150	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.06	0.15	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320150	QC											0.15									
1320163	Drill Core	0.17	0.70	0.08	0.20	0.02	0.25	0.02	<0.02	<0.02	0.24	0.12	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320163	QC											0.24									
1320551	Drill Core	0.37	2.02	0.33	0.96	0.14	1.03	0.16	<0.02	<0.02	0.01	0.05	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320551	QC									<0.02	<0.02										
1320560	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	1.54	4.21	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320560	QC											4.20									
1320567	Drill Core	0.22	1.31	0.29	0.73	0.11	0.88	0.12	<0.02	<0.02	0.07	0.15	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320567	QC	0.22	1.56	0.30	0.77	0.11	0.90	0.14													
1320571	Drill Core	0.19	1.19	0.23	0.68	0.10	0.84	0.15	0.02	<0.02	0.08	0.27	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320571	QC											0.27									
1320584	Rock Pulp	0.14	0.65	0.12	0.38	0.06	0.39	0.06	<0.02	<0.02	<0.01	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320584	QC											<0.01									
1320586	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	<0.01	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.



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Project: PAK  
 Report Date: June 18, 2013

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Part: 4 of 1

# QUALITY CONTROL REPORT

TIM13000017.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na
Unit	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%
MDL	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001
1320112	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320602	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320190	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320205	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Pulp Duplicates																				
REP 1320115	QC																			
1320118	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320118	QC																			
1320121	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320121	QC																			
1320128	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320128	QC																			
1320130	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320130	QC																			
1320150	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320150	QC																			
1320163	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320163	QC																			
1320551	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320551	QC																			
1320560	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320560	QC																			
1320567	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320567	QC																			
1320571	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320571	QC																			
1320584	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320584	QC																			
1320586	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Client: **Houston Lake Mining**  
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Project: PAK  
 Report Date: June 18, 2013

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# QUALITY CONTROL REPORT

TIM13000017.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In
Unit	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02
1320112	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320602	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320190	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320205	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Pulp Duplicates																				
REP 1320115	QC																			
1320118	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320118	QC																			
1320121	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320121	QC																			
1320128	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320128	QC																			
1320130	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320130	QC																			
1320150	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320150	QC																			
1320163	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320163	QC																			
1320551	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320551	QC																			
1320560	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320560	QC																			
1320567	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320567	QC																			
1320571	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320571	QC																			
1320584	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320584	QC																			
1320586	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: PAK  
 Report Date: June 18, 2013

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## QUALITY CONTROL REPORT

TIM13000017.1

Method	1F30	1F30	1F30	1F30	1F30
Analyte	Re	Be	Li	Pd	Pt
Unit	ppb	ppm	ppm	ppb	ppb
MDL	1	0.1	0.1	10	2
1320112	Drill Core	N.A.	N.A.	N.A.	N.A.
1320602	Drill Core	N.A.	N.A.	N.A.	N.A.
1320190	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320205	Drill Core	N.A.	N.A.	N.A.	N.A.
Pulp Duplicates					
REP 1320115	QC				
1320118	Rock Pulp	N.A.	N.A.	N.A.	N.A.
REP 1320118	QC				
1320121	Drill Core	N.A.	N.A.	N.A.	N.A.
REP 1320121	QC				
1320128	Drill Core	N.A.	N.A.	N.A.	N.A.
REP 1320128	QC				
1320130	Rock Pulp	N.A.	N.A.	N.A.	N.A.
REP 1320130	QC				
1320150	Drill Core	N.A.	N.A.	N.A.	N.A.
REP 1320150	QC				
1320163	Drill Core	N.A.	N.A.	N.A.	N.A.
REP 1320163	QC				
1320551	Drill Core	N.A.	N.A.	N.A.	N.A.
REP 1320551	QC				
1320560	Rock Pulp	N.A.	N.A.	N.A.	N.A.
REP 1320560	QC				
1320567	Drill Core	N.A.	N.A.	N.A.	N.A.
REP 1320567	QC				
1320571	Drill Core	N.A.	N.A.	N.A.	N.A.
REP 1320571	QC				
1320584	Rock Pulp	N.A.	N.A.	N.A.	N.A.
REP 1320584	QC				
1320586	Rock Pulp	N.A.	N.A.	N.A.	N.A.

## QUALITY CONTROL REPORT

TIM13000017.1

	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
REP 1320586	QC																				
REP 1320165	QC	73.14	15.80	0.81	0.02	0.51	4.91	2.51	<0.01	0.48	0.18	<0.002	<20	<1	1.3	99.62	44	444	0.3	680.5	
1320168	Rock Pulp	0.05	70.52	19.09	0.43	0.05	0.19	2.24	4.27	<0.01	0.28	0.03	0.032	46	<1	0.7	97.80	14	30	0.9	>10000
REP 1320168	QC																				
1320173	Drill Core	2.41	77.09	17.08	0.45	0.04	0.09	0.97	2.99	<0.01	0.13	0.08	0.003	<20	<1	0.9	99.85	18	9	0.6	547.4
REP 1320173	QC	76.95	17.34	0.41	0.04	0.08	0.97	2.92	<0.01	0.12	0.08	<0.002	<20	<1	0.9	99.85	18	9	0.4	575.1	
1320181	Drill Core	2.46	78.23	17.26	0.46	0.03	0.07	2.90	0.42	<0.01	0.17	0.06	<0.002	<20	<1	0.3	99.90	2	32	0.6	147.4
REP 1320181	QC																				
1320183	Drill Core	2.29	79.65	15.58	0.48	0.02	0.11	1.66	1.42	<0.01	0.29	0.16	<0.002	23	<1	0.5	99.87	7	51	0.3	378.6
REP 1320183	QC																				
1320193	Drill Core	2.24	81.31	17.41	0.27	0.07	0.03	0.13	0.11	<0.01	0.01	0.01	<0.002	<20	<1	0.6	99.93	2	7	0.4	168.8
REP 1320193	QC	81.56	17.08	0.36	0.08	0.03	0.13	0.12	<0.01	<0.01	0.01	<0.002	<20	<1	0.6	99.93	2	9	0.4	148.9	
1320203	Drill Core	2.20	78.51	18.19	0.44	0.02	0.07	1.32	0.51	<0.01	0.11	0.06	<0.002	<20	<1	0.7	99.91	<1	18	0.2	123.7
REP 1320203	QC																				
1320216	Rock Pulp	0.05	74.57	15.01	0.37	0.03	0.37	6.02	1.74	0.02	0.39	0.05	<0.002	<20	3	0.8	99.40	8	174	0.3	745.0
REP 1320216	QC																				
1320218	Drill Core	2.57	77.36	15.99	0.74	0.03	0.36	1.02	2.75	<0.01	0.37	0.12	<0.002	<20	<1	1.0	99.80	10	188	0.3	290.2
REP 1320218	QC																				
REP 1320233	QC	79.22	16.75	0.66	0.02	0.26	0.84	1.03	<0.01	0.32	0.12	<0.002	25	<1	0.7	99.90	4	73	0.4	83.9	
1320238	Rock Pulp	0.05	74.80	14.91	0.40	0.03	0.38	5.98	1.74	0.02	0.39	0.05	<0.002	<20	3	0.6	99.35	8	180	0.3	771.5
REP 1320238	QC																				
1320248	Drill Core	2.33	56.01	16.61	9.52	4.36	8.70	1.17	0.34	0.52	0.03	0.18	0.064	758	50	2.1	99.71	66	<1	247.3	26.8
REP 1320248	QC																				
Core Reject Duplicates																					
1320115	Drill Core	2.07	73.51	16.05	0.73	0.02	0.22	7.43	0.97	<0.01	0.17	0.14	0.002	<20	<1	0.6	99.84	2	49	<0.2	306.0
DUP 1320115	QC	N.A.	72.96	16.43	0.74	0.02	0.23	7.52	1.00	<0.01	0.18	0.14	<0.002	<20	<1	0.6	99.82	6	51	0.2	309.0
1320149	Drill Core	2.16	71.60	15.15	0.57	<0.01	1.22	5.45	2.95	<0.01	1.38	0.48	0.023	84	<1	0.9	99.73	27	200	2.2	251.1
DUP 1320149	QC	N.A.	71.17	15.32	0.51	<0.01	1.21	5.51	3.18	<0.01	1.43	0.52	<0.002	<20	<1	0.9	99.74	30	213	0.6	265.7
1320569	Drill Core	2.18	75.39	14.62	1.64	0.03	0.54	4.23	2.82	0.02	0.21	0.10	0.073	277	2	0.1	99.80	125	57	5.1	413.7

## QUALITY CONTROL REPORT

TIM13000017.1

		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
REP 1320586	QC																					
REP 1320165	QC	40.6	2.3	126.0	2930	158	18.0	214.6	7.0	8.4	<8	4.5	20.7	5.1	4.9	8.7	1.05	4.3	0.82	0.10	0.98	
1320168	Rock Pulp	56.7	1.5	20.2	5070	61	22.9	69.2	1.0	2.8	<8	1.3	7.5	0.1	0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
REP 1320168	QC																					
1320173	Drill Core	29.6	0.4	21.9	3001	97	4.5	62.9	0.6	1.1	<8	2.6	3.0	<0.1	1.3	1.0	0.06	0.5	<0.05	<0.02	0.05	
REP 1320173	QC	30.3	0.3	24.7	2964	102	4.3	78.2	0.5	0.9	<8	2.5	3.2	<0.1	0.6	0.8	0.05	0.6	<0.05	<0.02	0.07	
1320181	Drill Core	26.4	1.4	46.7	501.3	28	4.6	73.2	1.7	4.7	<8	1.2	10.3	0.3	0.3	0.3	<0.02	<0.3	0.06	<0.02	<0.05	
REP 1320181	QC																					
1320183	Drill Core	27.2	0.4	40.3	1766	64	4.7	62.8	1.2	1.9	<8	2.4	2.4	0.2	0.2	0.3	0.03	0.6	<0.05	<0.02	<0.05	
REP 1320183	QC																					
1320193	Drill Core	14.1	<0.1	2.5	146.4	4	3.8	7.5	0.9	<0.1	<8	<0.5	0.7	<0.1	0.6	0.2	0.02	<0.3	<0.05	<0.02	<0.05	
REP 1320193	QC	15.4	<0.1	2.8	158.6	6	3.3	8.1	0.2	<0.1	<8	<0.5	1.0	0.3	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
1320203	Drill Core	17.3	0.8	34.3	520.4	23	2.1	41.1	0.5	2.6	<8	1.2	6.5	0.1	0.5	0.2	<0.02	<0.3	<0.05	<0.02	0.09	
REP 1320203	QC																					
1320216	Rock Pulp	103.0	18.9	158.9	2559	815	30.3	1974	3.8	18.7	18	4.0	58.8	0.2	<0.1	0.2	<0.02	<0.3	<0.05	<0.02	0.09	
REP 1320216	QC																					
1320218	Drill Core	29.2	1.2	70.4	2775	68	10.2	63.1	1.9	7.0	9	4.2	11.2	0.9	0.4	0.7	0.06	<0.3	<0.05	<0.02	0.14	
REP 1320218	QC																					
REP 1320233	QC	22.7	0.2	32.4	1003	30	9.3	26.1	0.5	1.1	<8	5.6	3.0	0.2	0.3	0.3	<0.02	<0.3	<0.05	<0.02	0.07	
1320238	Rock Pulp	105.7	17.3	176.9	2548	961	30.9	2208	3.2	21.2	<8	4.6	51.9	0.2	0.1	0.3	<0.02	<0.3	<0.05	<0.02	<0.05	
REP 1320238	QC																					
1320248	Drill Core	12.5	1.0	1.3	43.6	<1	98.8	0.3	<0.2	<0.1	276	<0.5	27.8	13.3	2.0	5.1	0.67	4.7	1.02	0.42	1.76	
REP 1320248	QC																					
Core Reject Duplicates																						
1320115	Drill Core	32.6	6.4	84.7	470.3	37	3.8	166.4	5.4	27.0	<8	4.1	58.0	0.9	0.6	1.3	0.10	<0.3	<0.05	0.03	0.12	
DUP 1320115	QC	36.0	8.1	82.2	465.1	37	4.1	154.8	5.7	30.4	9	4.4	64.2	0.9	1.4	1.9	0.13	1.1	0.07	0.02	0.13	
1320149	Drill Core	36.7	3.4	127.1	2421	312	24.4	197.9	5.1	8.9	<8	2.0	16.7	3.2	2.1	4.1	0.39	1.1	0.37	0.11	0.40	
DUP 1320149	QC	35.2	2.3	87.8	2474	208	29.7	155.3	5.7	8.1	<8	1.2	10.3	3.9	1.9	3.7	0.36	1.7	0.32	0.11	0.33	
1320569	Drill Core	29.6	2.9	48.0	2143	95	35.1	84.0	10.5	5.4	<8	3.9	43.2	10.2	10.3	22.3	2.32	8.3	1.62	0.22	1.53	

# QUALITY CONTROL REPORT

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		4A-4B Tb ppm 0.01	4A-4B Dy ppm 0.05	4A-4B Ho ppm 0.02	4A-4B Er ppm 0.03	4A-4B Tm ppm 0.01	4A-4B Yb ppm 0.05	4A-4B Lu ppm 0.01	2A Leco TOT/C % 0.02	2A Leco TOT/S % 0.02	7PF B % 0.01	7PF Li % 0.01	8X Cs % 0.01	1F30 Mo ppm 0.01	1F30 Cu ppm 0.01	1F30 Pb ppm 0.01	1F30 Zn ppm 0.1	1F30 Ag ppb 2	1F30 Ni ppm 0.1	1F30 Co ppm 0.1	1F30 Mn ppm 1	
REP 1320586	QC								0.04	<0.02												
REP 1320165	QC	0.15	0.90	0.15	0.51	0.08	0.45	0.08														
1320168	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.07	<0.02	<0.01	1.08	2.15	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320168	QC											1.05										
1320173	Drill Core	0.01	<0.05	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.30	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320173	QC	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01														
1320181	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	1.38	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320181	QC										0.03											
1320183	Drill Core	<0.01	<0.05	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	1.20	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320183	QC								<0.02	<0.02												
1320193	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.13	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320193	QC	<0.01	0.07	<0.02	<0.03	<0.01	<0.05	<0.01														
1320203	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.91	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320203	QC											1.88										
1320216	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.03	<0.02	<0.01	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320216	QC										<0.01											
1320218	Drill Core	0.01	0.13	<0.02	0.06	<0.01	0.06	<0.01	<0.02	<0.02	0.01	1.14	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320218	QC								<0.02	<0.02												
REP 1320233	QC	0.02	<0.05	<0.02	<0.03	0.01	<0.05	<0.01														
1320238	Rock Pulp	<0.01	0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	<0.01	0.09	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320238	QC											0.08										
1320248	Drill Core	0.31	2.16	0.47	1.44	0.23	1.47	0.21	0.02	2.33	<0.01	0.02	N.A.	0.33	103.6	2.86	694.7	114	709.4	250.9	274	
REP 1320248	QC										<0.01			0.32	103.3	2.87	743.9	122	711.9	258.6	298	
Core Reject Duplicates																						
1320115	Drill Core	0.02	0.08	<0.02	0.09	0.01	0.13	0.02	<0.02	<0.02	0.04	0.05	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
DUP 1320115	QC	0.02	0.21	0.04	0.08	0.01	<0.05	0.01	<0.02	<0.02	0.04	0.05	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320149	Drill Core	0.09	0.48	0.14	0.27	0.05	0.24	0.04	<0.02	<0.02	0.09	0.13	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
DUP 1320149	QC	0.09	0.57	0.10	0.29	0.05	0.34	0.05	<0.02	<0.02	0.08	0.13	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320569	Drill Core	0.26	1.46	0.36	0.81	0.15	0.76	0.16	<0.02	<0.02	0.09	0.23	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	



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Project: PAK  
 Report Date: June 18, 2013

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# QUALITY CONTROL REPORT

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		1F30 Fe %	1F30 As ppm	1F30 U ppm	1F30 Au ppb	1F30 Th ppm	1F30 Sr ppm	1F30 Cd ppm	1F30 Sb ppm	1F30 Bi ppm	1F30 V ppm	1F30 Ca %	1F30 P %	1F30 La ppm	1F30 Cr ppm	1F30 Mg %	1F30 Ba ppm	1F30 Ti %	1F30 B ppm	1F30 Al %	1F30 Na %
REP 1320586	QC	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001
REP 1320165	QC																				
1320168	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320168	QC																				
1320173	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320173	QC																				
1320181	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320181	QC																				
1320183	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320183	QC																				
1320193	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320193	QC																				
1320203	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320203	QC																				
1320216	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320216	QC																				
1320218	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320218	QC																				
REP 1320233	QC																				
1320238	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320238	QC																				
1320248	Drill Core	4.25	220.3	<0.1	8.0	0.2	73.5	1.11	1.12	0.22	98	3.43	0.015	1.8	174.3	0.83	55.8	0.048	5	6.30	0.503
REP 1320248	QC	4.27	220.5	<0.1	6.2	0.2	70.7	1.15	1.18	0.23	97	3.42	0.016	1.8	180.2	0.83	55.0	0.049	5	6.37	0.504
Core Reject Duplicates																					
1320115	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320115	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320149	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320149	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320569	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.





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Project: PAK  
 Report Date: June 18, 2013

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# QUALITY CONTROL REPORT

TIM13000017.1

		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
		K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	
		%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	
REP 1320586	QC																					
REP 1320165	QC																					
1320168	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320168	QC																					
1320173	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320173	QC																					
1320181	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320181	QC																					
1320183	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320183	QC																					
1320193	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320193	QC																					
1320203	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320203	QC																					
1320216	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320216	QC																					
1320218	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320218	QC																					
REP 1320233	QC																					
1320238	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320238	QC																					
1320248	Drill Core	0.22	0.1	7.8	0.90	1.98	<5	0.4	0.19	9.8	22.81	0.3	0.04	<0.02	37.4	<0.1	<0.05	1.7	2.25	4.4	0.02	
REP 1320248	QC	0.22	0.2	7.9	0.90	1.97	5	0.2	0.08	9.5	22.60	0.4	0.05	0.02	39.2	<0.1	<0.05	1.7	2.13	4.4	<0.02	
Core Reject Duplicates																						
1320115	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
DUP 1320115	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320149	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
DUP 1320149	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320569	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	

## QUALITY CONTROL REPORT

TIM13000017.1

		1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2
REP 1320586	QC					
REP 1320165	QC					
1320168	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320168	QC					
1320173	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320173	QC					
1320181	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320181	QC					
1320183	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320183	QC					
1320193	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320193	QC					
1320203	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320203	QC					
1320216	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320216	QC					
1320218	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320218	QC					
REP 1320233	QC					
1320238	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320238	QC					
1320248	Drill Core	3	0.1	114.7	<10	10
REP 1320248	QC	1	0.3	119.1	<10	7
Core Reject Duplicates						
1320115	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320115	QC	N.A.	N.A.	N.A.	N.A.	N.A.
1320149	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320149	QC	N.A.	N.A.	N.A.	N.A.	N.A.
1320569	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.

## QUALITY CONTROL REPORT

TIM13000017.1

		WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
DUP 1320569	QC	N.A.	75.38	14.90	1.28	0.02	0.57	4.31	2.86	0.02	0.20	0.10	0.021	92	2	0.1	99.78	132	68	2.5	411.9	
1320165	Drill Core	2.34	73.14	15.94	0.77	0.02	0.48	4.98	2.44	<0.01	0.43	0.17	<0.002	<20	<1	1.3	99.63	52	433	0.6	675.3	
DUP 1320165	QC	N.A.	73.08	15.94	0.88	0.02	0.52	4.87	2.41	<0.01	0.46	0.17	<0.002	20	1	1.3	99.62	50	412	<0.2	658.6	
1320199	Drill Core	2.43	81.13	17.21	0.35	0.02	0.04	0.24	0.25	<0.01	0.02	0.03	<0.002	<20	<1	0.6	99.86	2	130	<0.2	201.4	
DUP 1320199	QC	N.A.	80.95	17.35	0.35	0.02	0.03	0.21	0.29	<0.01	0.04	0.03	<0.002	<20	<1	0.6	99.84	1	191	0.4	217.6	
1320233	Drill Core	2.42	79.04	16.92	0.70	0.02	0.25	0.83	1.01	0.01	0.33	0.12	<0.002	<20	<1	0.7	99.90	3	91	0.3	83.6	
DUP 1320233	QC	N.A.	79.23	16.85	0.52	0.04	0.25	0.84	1.02	<0.01	0.34	0.12	0.004	<20	<1	0.7	99.88	5	88	<0.2	84.3	
Reference Materials																						
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD DS9	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					



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Acme Analytical Laboratories (Vancouver) Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

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Part: 2 of 1

# QUALITY CONTROL REPORT

TIM13000017.1

		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
DUP 1320569	QC	31.4	3.6	46.1	2133	85	32.0	85.9	10.5	5.5	<8	4.1	39.6	9.9	10.0	20.4	2.16	9.4	1.70	0.24	1.82
1320165	Drill Core	43.0	2.6	107.7	2923	126	18.2	196.1	7.9	8.5	<8	5.0	21.3	5.9	4.5	11.8	1.18	4.6	0.78	0.13	0.81
DUP 1320165	QC	41.5	2.1	114.8	2845	170	17.7	207.6	7.1	8.9	<8	3.6	21.9	5.6	4.5	10.0	1.05	3.5	0.93	0.16	0.84
1320199	Drill Core	15.6	0.1	7.3	370.2	19	2.2	30.3	0.7	0.9	<8	<0.5	2.2	<0.1	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
DUP 1320199	QC	15.1	0.1	5.3	416.6	20	2.1	14.6	0.5	0.8	<8	0.6	2.1	0.1	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320233	Drill Core	26.5	0.2	32.6	984.3	32	8.5	26.5	0.6	1.0	<8	2.0	2.9	0.3	0.6	0.8	0.03	0.4	0.10	<0.02	0.06
DUP 1320233	QC	23.8	0.7	39.9	1002	33	9.0	32.6	0.8	1.2	<8	2.9	4.1	0.4	0.3	0.4	0.02	0.4	<0.05	<0.02	0.05
Reference Materials																					
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				
STD DS9	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD LI-1	Standard																				
STD LI-1	Standard																				

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Acme Analytical Laboratories (Vancouver) Ltd.  
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Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

Page: 3 of 6

Part: 3 of 1

# QUALITY CONTROL REPORT

TIM13000017.1

		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	7PF	7PF	8X	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30		
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn		
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm		
DUP 1320569	QC	0.27	1.88	0.29	0.77	0.15	0.96	0.16	0.02	<0.02	0.08	0.23	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
1320165	Drill Core	0.14	0.88	0.16	0.46	0.09	0.49	0.06	<0.02	<0.02	0.16	0.34	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
DUP 1320165	QC	0.14	0.73	0.16	0.48	0.09	0.53	0.09	<0.02	<0.02	0.15	0.33	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
1320199	Drill Core	<0.01	0.07	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.05	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
DUP 1320199	QC	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.07	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
1320233	Drill Core	0.02	0.06	<0.02	0.06	0.01	<0.05	0.01	<0.02	<0.02	<0.01	1.67	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
DUP 1320233	QC	0.03	0.12	<0.02	0.06	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.69	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
Reference Materials																							
STD 183	Standard											1.87											
STD 183	Standard											1.82											
STD 183	Standard											1.83											
STD 183	Standard											1.89											
STD 183	Standard											1.85											
STD 183	Standard											1.82											
STD DS9	Standard												13.40	114.3	128.7	312.1	1765	40.3	8.2	575			
STD GS311-1	Standard								0.93	2.37													
STD GS311-1	Standard								0.93	2.30													
STD GS311-1	Standard								0.92	2.37													
STD GS311-1	Standard								0.93	2.35													
STD GS311-1	Standard								0.93	2.39													
STD GS311-1	Standard								0.92	2.37													
STD GS910-4	Standard								2.52	8.36													
STD GS910-4	Standard								2.59	8.19													
STD GS910-4	Standard								2.64	8.28													
STD GS910-4	Standard								2.63	8.36													
STD GS910-4	Standard								2.60	8.36													
STD GS910-4	Standard								2.57	8.18													
STD LI-1	Standard											1.58											
STD LI-1	Standard											1.53											



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Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

Page: 3 of 6

Part: 4 of 1

# QUALITY CONTROL REPORT

TIM13000017.1

		1F30 Fe %	1F30 As ppm	1F30 U ppm	1F30 Au ppb	1F30 Th ppm	1F30 Sr ppm	1F30 Cd ppm	1F30 Sb ppm	1F30 Bi ppm	1F30 V ppm	1F30 Ca %	1F30 P %	1F30 La ppm	1F30 Cr ppm	1F30 Mg %	1F30 Ba ppm	1F30 Ti %	1F30 B ppm	1F30 Al %	1F30 Na %	
		0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	
DUP 1320569	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320165	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320165	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320199	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320199	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320233	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320233	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Reference Materials																						
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD DS9	Standard	2.34	25.3	2.8	119.4	6.3	78.4	2.34	6.32	7.38	39	0.73	0.084	15.0	118.8	0.62	302.3	0.121	3	0.94	0.082	
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					

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Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

Page: 3 of 6

Part: 5 of 1

# QUALITY CONTROL REPORT

TIM13000017.1

		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In
		%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02
DUP 1320569	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320165	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320165	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320199	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320199	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320233	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320233	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Reference Materials																					
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				
STD DS9	Standard	0.40	3.0	2.2	5.14	0.17	208	5.2	5.41	4.4	2.35	0.2	0.06	1.53	31.5	6.5	<0.05	1.8	6.53	29.6	2.28
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD LI-1	Standard																				
STD LI-1	Standard																				

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## QUALITY CONTROL REPORT

TIM13000017.1

		1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2
DUP 1320569	QC	N.A.	N.A.	N.A.	N.A.	N.A.
1320165	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320165	QC	N.A.	N.A.	N.A.	N.A.	N.A.
1320199	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320199	QC	N.A.	N.A.	N.A.	N.A.	N.A.
1320233	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320233	QC	N.A.	N.A.	N.A.	N.A.	N.A.
<b>Reference Materials</b>						
STD 183	Standard					
STD 183	Standard					
STD 183	Standard					
STD 183	Standard					
STD 183	Standard					
STD 183	Standard					
STD DS9	Standard	58	4.9	25.8	119	360
STD GS311-1	Standard					
STD GS311-1	Standard					
STD GS311-1	Standard					
STD GS311-1	Standard					
STD GS311-1	Standard					
STD GS311-1	Standard					
STD GS910-4	Standard					
STD GS910-4	Standard					
STD GS910-4	Standard					
STD GS910-4	Standard					
STD GS910-4	Standard					
STD GS910-4	Standard					
STD GS910-4	Standard					
STD LI-1	Standard					
STD LI-1	Standard					





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Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

Page: 4 of 6

Part: 1 of 1

# QUALITY CONTROL REPORT

TIM13000017.1

		WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
STD LI-1	Standard																					
STD LI-1	Standard																					
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STD LIBF	Standard																					
STD LIBF	Standard																					
STD MICA-FE(D)	Standard																					
STD OREAS72B	Standard																					
STD OXC109	Standard																					
STD SO-18	Standard		57.59	14.34	7.67	3.40	6.52	3.68	2.15	0.71	0.81	0.41	0.558	37	24	1.9	99.73	516	<1	25.6	6.6	
STD SO-18	Standard		57.97	14.42	7.50	3.37	6.43	3.57	2.14	0.70	0.78	0.40	0.551	43	23	1.9	99.73	524	<1	24.6	8.1	
STD SO-18	Standard		58.23	14.22	7.48	3.37	6.38	3.58	2.17	0.69	0.79	0.40	0.551	38	22	1.9	99.77	496	<1	25.4	6.6	
STD SO-18	Standard		58.19	14.10	7.58	3.38	6.33	3.66	2.18	0.69	0.79	0.40	0.550	51	23	1.9	99.76	479	<1	23.2	6.6	
STD SO-18	Standard		58.20	14.16	7.58	3.38	6.36	3.60	2.15	0.68	0.77	0.40	0.549	50	23	1.9	99.74	523	3	24.3	6.5	
STD SO-18	Standard		58.12	14.23	7.52	3.34	6.39	3.65	2.16	0.70	0.79	0.40	0.547	38	23	1.9	99.75	454	2	23.2	8.5	
STD SO-18	Standard		58.01	13.95	7.75	3.38	6.43	3.65	2.19	0.71	0.83	0.41	0.532	50	24	1.9	99.75	465	2	23.6	8.3	
STD SO-18	Standard		58.10	14.01	7.66	3.38	6.45	3.60	2.17	0.70	0.84	0.41	0.535	55	23	1.9	99.76	483	2	24.7	7.7	
STD SO-18	Standard		57.67	14.28	7.85	3.41	6.40	3.65	2.15	0.69	0.79	0.40	0.551	55	23	1.9	99.76	434	4	23.3	6.9	
STD SO-18	Standard		57.95	14.06	7.81	3.39	6.35	3.64	2.15	0.69	0.80	0.39	0.552	57	23	1.9	99.70	512	<1	27.2	7.2	

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 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

Page: 4 of 6

Part: 2 of 1

# QUALITY CONTROL REPORT

TIM13000017.1

		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B		
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
STD LI-1	Standard																					
STD LI-1	Standard																					
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STD LIBF	Standard																					
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STD LIBF	Standard																					
STD MICA-FE(D)	Standard																					
STD OREAS72B	Standard																					
STD OXC109	Standard																					
STD SO-18	Standard	17.0	9.6	19.1	28.4	12	408.4	6.6	10.0	14.8	202	15.2	298.7	29.1	12.6	26.7	3.32	12.7	2.98	0.82	3.04	
STD SO-18	Standard	17.5	9.0	19.2	28.1	14	411.7	8.1	10.3	16.4	211	14.6	295.9	33.8	13.8	28.9	3.57	14.9	2.81	0.97	3.17	
STD SO-18	Standard	16.5	9.2	19.4	27.3	12	387.8	6.8	10.1	15.7	194	14.4	278.5	28.8	12.2	26.4	3.27	13.9	2.67	0.86	2.99	
STD SO-18	Standard	14.9	9.0	17.9	25.3	13	384.6	7.4	9.5	15.1	191	12.9	261.8	28.9	12.1	27.6	3.13	13.0	2.78	0.83	2.84	
STD SO-18	Standard	15.3	8.6	18.2	25.1	14	389.4	6.9	9.4	15.3	203	13.1	267.6	30.7	12.2	25.1	3.22	11.2	2.78	0.84	3.25	
STD SO-18	Standard	17.2	9.3	19.3	25.9	13	353.1	6.1	9.6	14.5	182	13.2	276.2	28.7	13.2	27.8	3.25	11.4	3.01	0.85	3.41	
STD SO-18	Standard	15.9	8.7	17.8	28.2	12	369.3	7.2	9.2	14.0	183	13.0	268.7	27.6	12.6	26.0	3.04	12.3	2.51	0.81	2.81	
STD SO-18	Standard	15.2	7.9	18.8	27.5	13	380.6	6.6	9.5	14.3	198	15.4	268.9	26.5	11.7	24.7	3.07	10.9	2.62	0.79	2.80	
STD SO-18	Standard	16.7	9.0	23.2	25.2	14	345.1	7.0	8.8	14.0	174	13.9	259.1	28.1	11.5	25.9	2.96	12.8	2.75	0.80	2.78	
STD SO-18	Standard	17.2	9.7	20.0	26.9	12	403.2	6.9	9.9	15.3	199	14.8	288.2	29.2	12.6	27.6	3.37	12.8	3.05	0.90	2.93	

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Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

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Part: 3 of 1

# QUALITY CONTROL REPORT

TIM13000017.1

		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B 2A	Leco 2A	Leco	7PF	7PF	8X	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	
		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	
STD LI-1	Standard											1.54										
STD LI-1	Standard											1.56										
STD LI-1	Standard											1.47										
STD LI-1	Standard											1.51										
STD LIBF	Standard										4.11											
STD LIBF	Standard										4.24											
STD LIBF	Standard										4.23											
STD LIBF	Standard										4.20											
STD LIBF	Standard										4.11											
STD LIBF	Standard										4.26											
STD LIBF	Standard										4.06											
STD LIBF	Standard										4.30											
STD LIBF	Standard										4.77											
STD LIBF	Standard										4.64											
STD LIBF	Standard										4.41											
STD LIBF	Standard										4.44											
STD MICA-FE(D)	Standard												0.02									
STD OREAS72B	Standard												<0.01									
STD OXC109	Standard													1.40	33.38	10.43	34.7	17	69.3	18.1	371	
STD SO-18	Standard	0.46	2.81	0.56	1.73	0.23	1.84	0.25														
STD SO-18	Standard	0.48	3.37	0.63	1.94	0.28	1.84	0.28														
STD SO-18	Standard	0.46	2.77	0.64	1.76	0.27	1.66	0.26														
STD SO-18	Standard	0.44	2.87	0.50	1.76	0.27	1.73	0.27														
STD SO-18	Standard	0.45	2.74	0.62	1.70	0.30	1.68	0.27														
STD SO-18	Standard	0.45	3.10	0.59	1.66	0.26	1.72	0.24														
STD SO-18	Standard	0.41	2.86	0.58	1.48	0.24	1.45	0.22														
STD SO-18	Standard	0.42	2.82	0.57	1.66	0.23	1.58	0.25														
STD SO-18	Standard	0.43	2.99	0.56	1.61	0.27	1.65	0.27														
STD SO-18	Standard	0.46	2.79	0.55	1.79	0.28	1.83	0.26														

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 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

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# QUALITY CONTROL REPORT

TIM13000017.1

		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30		
		Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	
		%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	
		0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
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STD LIBF	Standard																					
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STD LIBF	Standard																					
STD MICA-FE(D)	Standard																					
STD OREAS72B	Standard																					
STD OXC109	Standard	2.56	2.2	0.5	176.0	1.3	144.8	0.05	0.05	<0.02	42	0.63	0.092	12.3	50.7	1.30	50.2	0.354	1	1.35	0.615	
STD SO-18	Standard																					
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STD SO-18	Standard																					
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Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

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Part: 5 of 1

# QUALITY CONTROL REPORT

TIM13000017.1

		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
		K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	
		%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LIBF	Standard																					
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STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD MICA-FE(D)	Standard																					
STD OREAS72B	Standard																					
STD OXC109	Standard	0.37	0.2	0.9	0.02	<0.02	<5	<0.1	0.03	4.8	0.18	<0.1	0.28	1.59	11.8	1.1	<0.05	19.3	3.86	23.4	<0.02	
STD SO-18	Standard																					
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 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

Page: 4 of 6

Part: 6 of 1

## QUALITY CONTROL REPORT

TIM13000017.1

		1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2
STD LI-1	Standard					
STD LI-1	Standard					
STD LI-1	Standard					
STD LI-1	Standard					
STD LIBF	Standard					
STD LIBF	Standard					
STD LIBF	Standard					
STD LIBF	Standard					
STD LIBF	Standard					
STD LIBF	Standard					
STD LIBF	Standard					
STD LIBF	Standard					
STD LIBF	Standard					
STD LIBF	Standard					
STD LIBF	Standard					
STD LIBF	Standard					
STD MICA-FE(D)	Standard					
STD OREAS72B	Standard					
STD OXC109	Standard	<1	1.0	2.3	16	<2
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
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STD SO-18	Standard					
STD SO-18	Standard					

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Part: 1 of 1

# QUALITY CONTROL REPORT

TIM13000017.1

	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	1	0.2	0.1
STD SO-18	Standard	58.03	14.17	7.69	3.40	6.38	3.61	2.11	0.69	0.81	0.40	0.550	30	23	1.9	99.73	521	1	25.2	6.9	
STD SO-18	Standard	58.18	14.18	7.45	3.32	6.46	3.70	2.14	0.69	0.77	0.39	0.539	43	23	1.9	99.74	508	1	25.6	6.3	
STD SO-18	Standard	58.45	14.09	7.41	3.31	6.40	3.65	2.12	0.69	0.79	0.39	0.532	37	23	1.9	99.75	493	1	24.4	6.9	
STD SO-18	Standard	58.65	13.92	7.51	3.38	6.27	3.54	2.15	0.67	0.80	0.40	0.550	49	24	1.9	99.75	492	1	25.8	6.6	
STD SO-18	Standard	58.35	14.17	7.48	3.34	6.39	3.59	2.12	0.69	0.80	0.40	0.545	27	23	1.9	99.77	490	1	24.6	6.2	
STD SO-18	Standard	58.92	13.96	7.41	3.34	6.23	3.53	2.10	0.67	0.77	0.39	0.533	39	23	1.9	99.75	516	<1	25.5	8.2	
STD SO-18	Standard	58.45	14.11	7.51	3.34	6.31	3.59	2.13	0.68	0.79	0.40	0.541	28	24	1.9	99.76	514	<1	26.2	7.2	
STD SO-18	Standard	58.48	14.02	7.53	3.34	6.37	3.59	2.13	0.68	0.78	0.40	0.534	38	24	1.9	99.76	466	<1	24.5	7.0	
STD SO-18	Standard	58.14	14.13	7.59	3.34	6.43	3.63	2.14	0.69	0.80	0.40	0.549	49	24	1.9	99.76	482	<1	22.6	7.2	
STD SO-18	Standard	57.95	14.28	7.64	3.40	6.41	3.61	2.13	0.69	0.79	0.40	0.552	52	24	1.9	99.76	452	2	23.2	6.3	
STD SO-18	Standard	58.12	14.18	7.62	3.40	6.35	3.58	2.14	0.69	0.80	0.40	0.544	43	24	1.9	99.75	469	3	23.3	7.0	
STD SO-18	Standard	58.12	14.19	7.53	3.36	6.39	3.68	2.12	0.69	0.81	0.39	0.539	32	24	1.9	99.73	475	<1	24.3	6.6	
STD SY-4(D)	Standard																				
STD VS-N	Standard																				
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD 183 Expected																					
STD LI-1 Expected																					
STD DS9 Expected																					
STD OXC109 Expected																					
STD SO-18 Expected		58.47	14.23	7.67	3.35	6.42	3.71	2.17	0.69	0.83	0.39	0.55	44	25			514		26.2	7.1	
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.01	0.04	<0.01	0.03	<0.01	<0.01	<0.01	0.01	<0.01	<0.002	<20	<1	0.0	0.02	<1	<1	<0.2	0.2	
BLK	Blank	0.02	<0.01	<0.04	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	0.05	<1	<1	<0.2	<0.1	

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Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

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Part: 2 of 1

# QUALITY CONTROL REPORT

TIM13000017.1

		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
STD SO-18	Standard	16.5	9.3	20.4	26.1	14	404.3	6.9	10.0	15.0	210	14.6	290.3	31.3	12.8	28.5	3.41	13.2	2.54	0.93	3.07
STD SO-18	Standard	16.6	8.8	19.9	26.3	14	392.1	6.5	9.8	14.8	195	13.6	277.7	30.2	12.7	26.0	3.19	13.6	2.72	0.83	3.01
STD SO-18	Standard	17.5	9.7	19.8	26.6	15	386.1	6.8	9.3	15.1	203	13.2	277.5	29.2	12.5	26.4	3.26	13.4	2.65	0.85	2.85
STD SO-18	Standard	16.7	9.3	18.3	25.5	14	420.0	6.8	10.0	16.5	210	12.6	278.5	28.9	12.0	27.4	3.16	12.5	2.69	0.83	3.00
STD SO-18	Standard	16.2	8.4	18.8	26.0	14	406.1	6.3	9.4	15.4	205	13.4	268.4	28.4	12.2	26.3	3.15	13.0	2.54	0.75	2.74
STD SO-18	Standard	18.2	9.4	19.4	28.2	15	426.4	7.0	9.8	15.8	200	13.3	288.5	29.8	13.0	28.6	3.53	14.5	2.95	0.89	3.19
STD SO-18	Standard	16.8	9.0	20.0	27.8	15	407.6	6.9	9.7	15.9	200	13.9	291.1	31.9	13.3	27.2	3.36	13.0	2.78	0.88	2.95
STD SO-18	Standard	17.2	8.6	16.9	26.5	14	389.2	6.1	9.4	16.7	192	12.7	265.1	27.6	12.3	28.3	2.98	11.1	2.67	0.79	2.83
STD SO-18	Standard	15.4	8.4	16.6	28.1	15	383.4	6.6	9.3	15.6	186	12.5	263.8	29.1	12.0	26.1	3.12	12.8	2.86	0.82	2.72
STD SO-18	Standard	14.9	8.4	17.5	25.2	13	382.0	7.1	9.3	16.2	189	12.4	263.6	28.1	10.7	26.8	3.01	13.4	2.56	0.76	2.65
STD SO-18	Standard	16.3	9.1	17.2	25.3	11	388.0	10.0	9.5	16.7	186	13.6	263.6	27.9	11.3	26.4	3.02	10.3	2.75	0.84	2.80
STD SO-18	Standard	16.0	8.4	17.9	27.3	13	396.5	5.7	8.7	14.5	193	15.3	277.3	28.5	11.7	25.6	3.09	12.5	2.75	0.80	2.96
STD SY-4(D)	Standard																				
STD VS-N	Standard																				
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD 183 Expected																					
STD LI-1 Expected																					
STD DS9 Expected																					
STD OXC109 Expected																					
STD SO-18 Expected		17.6	9.8	21.3	28.7	15	407.4	7.4	9.9	16.4	200	14.8	280	31	12.3	27.1	3.45	14	3	0.89	2.93
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.5	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
BLK	Blank	<0.5	<0.1	<0.1	0.4	<1	<0.5	0.4	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05

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 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

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# QUALITY CONTROL REPORT

TIM13000017.1

		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	7PF	7PF	8X	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm
STD SO-18	Standard	0.48	2.83	0.65	1.82	0.28	1.58	0.25													
STD SO-18	Standard	0.49	2.94	0.57	1.76	0.25	1.81	0.25													
STD SO-18	Standard	0.46	2.71	0.61	1.64	0.27	1.70	0.26													
STD SO-18	Standard	0.44	2.77	0.55	1.50	0.27	1.67	0.27													
STD SO-18	Standard	0.43	2.81	0.55	1.65	0.23	1.65	0.23													
STD SO-18	Standard	0.49	3.08	0.60	1.74	0.26	1.91	0.27													
STD SO-18	Standard	0.48	2.87	0.57	1.65	0.26	1.67	0.28													
STD SO-18	Standard	0.43	2.95	0.55	1.47	0.22	1.46	0.25													
STD SO-18	Standard	0.43	2.81	0.61	1.64	0.24	1.52	0.25													
STD SO-18	Standard	0.42	2.58	0.57	1.47	0.23	1.49	0.26													
STD SO-18	Standard	0.43	2.71	0.53	1.58	0.23	1.59	0.24													
STD SO-18	Standard	0.45	2.67	0.53	1.63	0.23	1.61	0.24													
STD SY-4(D)	Standard												<0.01								
STD VS-N	Standard												0.10								
STD GS311-1 Expected									1.02	2.35											
STD GS910-4 Expected									2.65	8.27											
STD 183 Expected													1.91402								
STD LI-1 Expected													1.53								
STD DS9 Expected														12.84	108	126	317	1830	40.3	7.6	575
STD OXC109 Expected																					
STD SO-18 Expected		0.53	3	0.62	1.84	0.27	1.79	0.27													
BLK	Blank								<0.02	<0.02											
BLK	Blank								<0.02	<0.02											
BLK	Blank								<0.02	<0.02											
BLK	Blank								<0.02	<0.02											
BLK	Blank								<0.02	<0.02											
BLK	Blank								<0.02	<0.02											
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01													
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01													



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 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

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## QUALITY CONTROL REPORT

TIM13000017.1

	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30		
	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	
	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	
	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SY-4(D)	Standard																				
STD VS-N	Standard																				
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD 183 Expected																					
STD LI-1 Expected																					
STD DS9 Expected	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	
STD OXC109 Expected				201																	
STD SO-18 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				



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 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

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# QUALITY CONTROL REPORT

TIM13000017.1

		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30		
		K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	
		%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	
STD SO-18	Standard																					
STD SO-18	Standard																					
STD SO-18	Standard																					
STD SO-18	Standard																					
STD SO-18	Standard																					
STD SO-18	Standard																					
STD SO-18	Standard																					
STD SO-18	Standard																					
STD SO-18	Standard																					
STD SO-18	Standard																					
STD SO-18	Standard																					
STD SY-4(D)	Standard																					
STD VS-N	Standard																					
STD GS311-1 Expected																						
STD GS910-4 Expected																						
STD 183 Expected																						
STD LI-1 Expected																						
STD DS9 Expected		0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59	2.37	0.1	0.08	1.33	33.8	6.4	0.004	2	5.97	25.4	2.2	
STD OXC109 Expected																						
STD SO-18 Expected																						
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
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BLK	Blank																					
BLK	Blank																					

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## QUALITY CONTROL REPORT

TIM13000017.1

		1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SY-4(D)	Standard					
STD VS-N	Standard					
STD GS311-1 Expected						
STD GS910-4 Expected						
STD 183 Expected						
STD LI-1 Expected						
STD DS9 Expected		61	5.4	25.2	120	350
STD OXC109 Expected						
STD SO-18 Expected						
BLK	Blank					
BLK	Blank					
BLK	Blank					
BLK	Blank					
BLK	Blank					
BLK	Blank					
BLK	Blank					
BLK	Blank					
BLK	Blank					

**QUALITY CONTROL REPORT**

**TIM13000017.1**

	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	0.10	<0.01	<0.04	<0.01	<0.01	0.02	<0.01	<0.01	0.02	<0.01	<0.002	<20	<1	0.0	0.12	<1	<1	<0.2	0.2	
BLK	Blank	0.52	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.002	<20	<1	0.0	0.55	<1	<1	<0.2	0.9	
BLK	Blank	<0.01	0.02	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	0.6	
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	0.07	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	0.002	<20	<1	0.0	0.12	<1	<1	<0.2	<0.1	
BLK	Blank	0.09	<0.01	0.07	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	0.20	1	<1	<0.2	<0.1	
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	0.95	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	0.93	<1	<1	0.3	<0.1	
BLK	Blank	0.35	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	0.32	<1	<1	<0.2	0.3	
BLK	Blank																				
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	0.02	<1	<1	<0.2	1.1	
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	0.03	<1	<1	0.4	0.3	
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	<0.1	
Prep Wash																					
G1-TIM	Prep Blank	65.00	14.40	3.22	2.39	5.07	3.17	3.39	0.36	0.17	0.09	0.003	<20	5	2.5	99.72	1016	2	3.9	4.3	
G1-TIM	Prep Blank	64.23	14.28	3.22	2.38	5.12	3.15	3.41	0.35	0.17	0.09	0.003	<20	5	3.3	99.72	975	3	3.4	4.9	

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## QUALITY CONTROL REPORT

TIM13000017.1

		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B		
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank	<0.5	<0.1	0.3	0.1	<1	<0.5	0.6	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
BLK	Blank	<0.5	<0.1	<0.1	0.9	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
BLK	Blank	<0.5	<0.1	<0.1	0.5	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank	<0.5	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.7	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
BLK	Blank	<0.5	<0.1	0.3	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.4	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank	<0.5	<0.1	0.5	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
BLK	Blank	<0.5	<0.1	<0.1	0.3	<1	<0.5	0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
BLK	Blank																					
BLK	Blank	<0.5	<0.1	<0.1	1.2	<1	<0.5	0.4	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
BLK	Blank	<0.5	<0.1	<0.1	0.8	<1	<0.5	0.4	<0.2	<0.1	<8	<0.5	0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
BLK	Blank	<0.5	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.5	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
Prep Wash																						
G1-TIM	Prep Blank	17.9	3.5	20.9	117.8	1	751.8	1.3	7.4	3.1	61	<0.5	133.6	15.3	27.1	53.7	5.86	21.1	3.62	0.96	3.14	
G1-TIM	Prep Blank	15.0	3.6	18.1	107.5	1	675.2	1.3	8.6	3.1	50	<0.5	125.3	16.2	29.5	54.9	6.08	20.8	3.78	1.04	3.18	













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Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: Houston Lake Mining
2892 White St.
Val Caron ON P3N 1B2 CANADA

Submitted By: Trevor Walker
Receiving Lab: Canada-Timmins
Received: June 24, 2013
Report Date: July 03, 2013
Page: 1 of 8

CERTIFICATE OF ANALYSIS

TIM13000017S.1

CLIENT JOB INFORMATION

Project: PAK
Shipment ID:
P.O. Number
Number of Samples: 189

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Procedure Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Row 1: 8X, 187, X-Ray fluorescence / Fusion, Completed, VAN

SAMPLE DISPOSAL

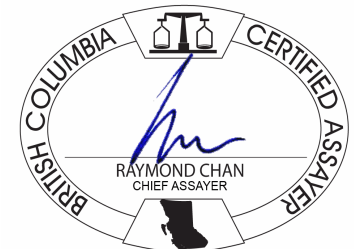
RTRN-PLP Return
RTRN-RJT Return

ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Houston Lake Mining
2892 White St.
Val Caron ON P3N 1B2
CANADA

CC: Garth Drever
Steve Beyer



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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 PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: July 03, 2013

Page: 2 of 8

Part: 1 of 1

## CERTIFICATE OF ANALYSIS

TIM13000017S.1

Method	8X	8X	8X	
Analyte	Cs	Rb	Ta	
Unit	%	%	ppm	
MDL	0.01	0.01	10	
1320112	Drill Core	0.02	0.02	145
1320113	Drill Core	0.02	0.03	119
1320114	Drill Core	0.02	0.02	117
1320115	Drill Core	0.04	0.05	160
1320116	Drill Core	0.03	0.06	174
1320117	Drill Core	0.04	0.14	82
1320118	Rock Pulp	<0.01	<0.01	<10
1320119	Drill Core	0.05	0.20	107
1320120	Rock Pulp	I.S.	I.S.	I.S.
1320121	Drill Core	0.02	0.03	103
1320122	Drill Core	0.02	0.04	83
1320123	Drill Core	<0.01	<0.01	101
1320124	Drill Core	<0.01	<0.01	88
1320125	Drill Core	0.02	0.06	123
1320126	Drill Core	0.03	0.17	58
1320127	Drill Core	<0.01	0.03	42
1320128	Drill Core	0.02	0.07	86
1320129	Drill Core	0.05	0.15	100
1320130	Rock Pulp	2.14	0.56	83
1320131	Drill Core	0.04	0.10	108
1320132	Rock Pulp	<0.01	<0.01	<10
1320133	Drill Core	0.03	0.13	182
1320134	Drill Core	0.06	0.22	60
1320135	Drill Core	0.06	0.22	114
1320136	Drill Core	0.08	0.27	174
1320137	Drill Core	0.02	0.09	315
1320138	Drill Core	0.05	0.19	227
1320139	Drill Core	0.05	0.16	213
1320140	Drill Core	0.05	0.17	61
1320141	Drill Core	0.04	0.06	13



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**Client:** **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: July 03, 2013

Page: 3 of 8

Part: 1 of 1

## CERTIFICATE OF ANALYSIS

TIM13000017S.1

Method	8X	8X	8X	
Analyte	Cs	Rb	Ta	
Unit	%	%	ppm	
MDL	0.01	0.01	10	
1320142	Rock Pulp	I.S.	I.S.	I.S.
1320143	Drill Core	0.02	0.05	<10
1320144	Rock Pulp	4.11	0.46	70
1320145	Drill Core	0.02	0.09	18
1320146	Drill Core	0.05	0.62	59
1320147	Drill Core	0.05	0.64	60
1320148	Drill Core	0.04	0.30	136
1320149	Drill Core	0.04	0.30	239
1320150	Drill Core	0.05	0.55	89
1320151	Drill Core	0.03	0.16	134
1320152	Drill Core	0.03	0.19	129
1320153	Drill Core	0.08	0.67	138
1320154	Rock Pulp	<0.01	<0.01	<10
1320155	Drill Core	0.08	0.55	70
1320156	Rock Pulp	0.09	0.28	2396
1320157	Drill Core	0.08	0.93	72
1320158	Drill Core	0.03	0.18	48
1320159	Drill Core	0.02	0.04	145
1320160	Drill Core	0.03	0.08	106
1320161	Drill Core	0.03	0.13	151
1320162	Drill Core	0.02	0.04	86
1320163	Drill Core	0.03	0.10	117
1320164	Drill Core	0.03	0.13	89
1320551	Drill Core	0.05	0.13	<10
1320552	Drill Core	0.02	0.06	54
1320553	Drill Core	0.01	0.02	74
1320554	Drill Core	0.02	0.03	70
1320555	Drill Core	0.01	0.02	52
1320556	Drill Core	0.01	0.02	151
1320557	Drill Core	0.02	0.07	17



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 PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: July 03, 2013

Page: 4 of 8

Part: 1 of 1

## CERTIFICATE OF ANALYSIS

TIM13000017S.1

Method	8X	8X	8X	
Analyte	Cs	Rb	Ta	
Unit	%	%	ppm	
MDL	0.01	0.01	10	
1320558	Drill Core	0.03	0.11	11
1320559	Drill Core	0.03	0.17	10
1320560	Rock Pulp	4.15	0.46	77
1320561	Drill Core	0.03	0.17	15
1320562	Rock Pulp	<0.01	<0.01	<10
1320563	Drill Core	0.05	0.23	43
1320564	Drill Core	0.05	0.22	13
1320565	Drill Core	0.05	0.22	87
1320566	Drill Core	0.05	0.26	82
1320567	Drill Core	0.04	0.20	73
1320568	Drill Core	0.03	0.05	<10
1320569	Drill Core	0.05	0.25	86
1320570	Drill Core	0.06	0.25	104
1320571	Drill Core	0.06	0.28	74
1320572	Rock Pulp	0.09	0.28	2405
1320573	Drill Core	0.06	0.26	23
1320574	Rock Pulp	8.25	0.44	76
1320575	Drill Core	0.12	0.13	<10
1320576	Drill Core	0.06	0.03	<10
1320577	Drill Core	0.05	0.04	12
1320578	Drill Core	0.12	0.07	<10
1320579	Drill Core	0.18	0.17	17
1320580	Drill Core	0.10	0.20	60
1320581	Drill Core	0.07	0.10	<10
1320582	Drill Core	0.06	0.21	18
1320583	Drill Core	0.06	0.19	94
1320584	Rock Pulp	<0.01	<0.01	<10
1320585	Drill Core	0.05	0.23	147
1320586	Rock Pulp	0.08	0.28	2336
1320587	Drill Core	0.02	0.04	<10

## CERTIFICATE OF ANALYSIS

TIM13000017S.1

Method	8X	8X	8X	
Analyte	Cs	Rb	Ta	
Unit	%	%	ppm	
MDL	0.01	0.01	10	
1320588	Drill Core	0.04	0.24	62
1320589	Drill Core	0.03	0.06	13
1320590	Drill Core	0.01	0.02	<10
1320591	Drill Core	0.03	0.11	51
1320592	Drill Core	0.05	0.23	135
1320593	Drill Core	0.04	0.19	62
1320594	Drill Core	0.03	0.05	<10
1320595	Drill Core	0.02	0.03	<10
1320596	Rock Pulp	2.15	0.56	81
1320597	Drill Core	0.03	0.12	11
1320598	Rock Pulp	<0.01	<0.01	<10
1320599	Drill Core	0.06	0.20	14
1320600	Drill Core	0.06	0.27	26
1320601	Drill Core	0.05	0.22	151
1320602	Drill Core	0.06	0.18	<10
1320165	Drill Core	0.09	0.34	240
1320166	Rock Pulp	0.09	0.28	2415
1320167	Drill Core	0.11	0.46	236
1320168	Rock Pulp	2.16	0.56	78
1320169	Drill Core	0.13	0.68	156
1320170	Drill Core	0.14	0.57	187
1320171	Drill Core	0.12	0.54	115
1320172	Drill Core	0.14	0.55	184
1320173	Drill Core	0.07	0.35	80
1320174	Drill Core	0.10	0.46	69
1320175	Drill Core	0.07	0.26	104
1320176	Drill Core	0.04	0.21	107
1320177	Drill Core	0.04	0.12	138
1320178	Rock Pulp	<0.01	<0.01	<10
1320179	Drill Core	0.03	0.11	134



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 PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

**Project:** PAK  
**Report Date:** July 03, 2013

**Page:** 6 of 8

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

TIM13000017S.1

	Method	8X	8X	8X
	Analyte	Cs	Rb	Ta
	Unit	%	%	ppm
	MDL	0.01	0.01	10
1320180	Rock Pulp	0.09	0.28	2387
1320181	Drill Core	0.02	0.06	66
1320182	Drill Core	0.04	0.24	71
1320183	Drill Core	0.05	0.19	68
1320184	Drill Core	0.02	0.04	21
1320185	Drill Core	0.03	0.04	24
1320186	Drill Core	0.03	0.05	34
1320187	Drill Core	0.03	0.07	14
1320188	Drill Core	0.02	0.02	29
1320189	Drill Core	0.25	0.03	19
1320190	Rock Pulp	8.23	0.44	76
1320191	Drill Core	0.05	0.06	47
1320192	Rock Pulp	<0.01	<0.01	<10
1320193	Drill Core	0.02	0.02	15
1320194	Drill Core	0.01	0.02	<10
1320195	Drill Core	0.03	0.04	26
1320196	Drill Core	0.03	0.10	43
1320197	Drill Core	0.04	0.12	70
1320198	Drill Core	0.04	0.10	58
1320199	Drill Core	0.03	0.04	47
1320200	Drill Core	0.02	0.04	40
1320201	Drill Core	0.01	0.02	28
1320202	Rock Pulp	0.09	0.28	2403
1320203	Drill Core	0.02	0.06	37
1320204	Rock Pulp	0.66	0.74	76
1320205	Drill Core	0.02	0.05	39
1320206	Drill Core	0.02	0.09	85
1320207	Drill Core	0.03	0.13	33
1320208	Drill Core	0.03	0.12	93
1320209	Drill Core	0.02	0.14	78





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**Client:** **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: July 03, 2013

Page: 7 of 8

Part: 1 of 1

## CERTIFICATE OF ANALYSIS

TIM13000017S.1

Method		8X	8X	8X
Analyte		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
1320210	Drill Core	0.04	0.37	40
1320211	Drill Core	0.03	0.33	61
1320212	Drill Core	0.04	0.22	40
1320213	Drill Core	0.02	0.22	81
1320214	Rock Pulp	<0.01	<0.01	<10
1320215	Drill Core	0.03	0.26	75
1320216	Rock Pulp	0.09	0.28	2401
1320217	Drill Core	0.03	0.25	80
1320218	Drill Core	0.04	0.31	66
1320219	Drill Core	0.03	0.32	91
1320220	Drill Core	0.02	0.34	88
1320221	Drill Core	0.04	0.42	81
1320222	Drill Core	0.03	0.17	72
1320223	Drill Core	0.04	0.29	110
1320224	Drill Core	0.02	0.09	46
1320225	Drill Core	0.03	0.23	66
1320226	Rock Pulp	4.14	0.46	78
1320227	Drill Core	0.02	0.18	81
1320228	Rock Pulp	<0.01	<0.01	<10
1320229	Drill Core	0.03	0.34	30
1320230	Drill Core	0.02	0.33	24
1320231	Drill Core	0.03	0.22	81
1320232	Drill Core	0.02	0.08	103
1320233	Drill Core	0.01	0.11	34
1320234	Drill Core	0.03	0.27	60
1320235	Drill Core	0.02	0.17	69
1320236	Drill Core	0.02	0.23	53
1320237	Drill Core	0.02	0.26	39
1320238	Rock Pulp	0.08	0.28	2410
1320239	Drill Core	0.02	0.19	43



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PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
2892 White St.  
Val Caron ON P3N 1B2 CANADA

**Project:** PAK  
**Report Date:** July 03, 2013

**Page:** 8 of 8

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

TIM13000017S.1

	<b>Method</b>	<b>8X</b>	<b>8X</b>	<b>8X</b>
	<b>Analyte</b>	<b>Cs</b>	<b>Rb</b>	<b>Ta</b>
	<b>Unit</b>	<b>%</b>	<b>%</b>	<b>ppm</b>
	<b>MDL</b>	<b>0.01</b>	<b>0.01</b>	<b>10</b>
1320240	Rock Pulp	8.12	0.44	75
1320241	Drill Core	0.04	0.07	20
1320242	Drill Core	0.02	0.02	11
1320243	Drill Core	<0.01	<0.01	<10
1320244	Drill Core	<0.01	<0.01	<10
1320245	Drill Core	<0.01	<0.01	15
1320246	Drill Core	0.01	<0.01	<10
1320247	Drill Core	<0.01	<0.01	<10
1320248	Drill Core	<0.01	<0.01	18

## QUALITY CONTROL REPORT

TIM13000017S.1

Method		8X	8X	8X
Analyte		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
Pulp Duplicates				
1320134	Drill Core	0.06	0.22	60
REP 1320134	QC	0.05	0.22	43
1320555	Drill Core	0.01	0.02	52
REP 1320555	QC	<0.01	0.02	45
1320590	Drill Core	0.01	0.02	<10
REP 1320590	QC	<0.01	0.02	21
1320187	Drill Core	0.03	0.07	14
REP 1320187	QC	0.03	0.07	19
1320222	Drill Core	0.03	0.17	72
REP 1320222	QC	0.03	0.18	65
1320248	Drill Core	<0.01	<0.01	18
REP 1320248	QC	<0.01	<0.01	<10
Core Reject Duplicates				
1320115	Drill Core	0.04	0.05	160
DUP 1320115	QC	0.04	0.05	154
1320149	Drill Core	0.04	0.30	239
DUP 1320149	QC	0.03	0.29	237
1320569	Drill Core	0.05	0.25	86
DUP 1320569	QC	0.05	0.25	87
1320165	Drill Core	0.09	0.34	240
DUP 1320165	QC	0.08	0.34	253
1320199	Drill Core	0.03	0.04	47
DUP 1320199	QC	0.03	0.04	18
1320233	Drill Core	0.01	0.11	34
DUP 1320233	QC	0.02	0.11	33
Reference Materials				
STD MICA-FE(D)	Standard	0.02	0.22	13
STD MICA-FE(D)	Standard	0.02	0.21	25



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 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: July 03, 2013

Page: 2 of 3

Part: 1 of 1

## QUALITY CONTROL REPORT

TIM13000017S.1

		8X Cs %	8X Rb %	8X Ta ppm
		0.01	0.01	10
STD MICA-FE(D)	Standard	0.02	0.21	17
STD MICA-FE(D)	Standard	0.02	0.21	24
STD MICA-FE(D)	Standard	0.02	0.21	16
STD MICA-FE(D)	Standard	0.02	0.21	22
STD OREAS72B	Standard	<0.01	<0.01	51
STD OREAS72B	Standard	<0.01	<0.01	55
STD OREAS72B	Standard	<0.01	<0.01	44
STD OREAS72B	Standard	<0.01	<0.01	42
STD OREAS72B	Standard	<0.01	<0.01	47
STD OREAS72B	Standard	<0.01	<0.01	50
STD TAN-1(D)	Standard	0.08	0.29	2427
STD TAN-1(D)	Standard	0.08	0.28	2419
STD TAN-1(D)	Standard	0.08	0.28	2433
STD TAN-1(D)	Standard	0.09	0.28	2430
STD TAN-1(D)	Standard	0.09	0.28	2445
STD TAN-1(D)	Standard	0.09	0.28	2434
STD VS-N(D)	Standard	0.10	0.08	641
STD VS-N(D)	Standard	0.10	0.08	642
STD VS-N(D)	Standard	0.10	0.08	638
STD VS-N(D)	Standard	0.10	0.08	640
STD VS-N(D)	Standard	0.10	0.08	640
STD VS-N(D)	Standard	0.10	0.08	639
STD OREAS72B Expected				3.69
STD TAN-1(D) Expected				2360
STD VS-N(D) Expected		0.0942		
BLK	Blank	<0.01	<0.01	11
BLK	Blank	<0.01	<0.01	11
BLK	Blank	<0.01	<0.01	14
BLK	Blank	<0.01	<0.01	10



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**Client:** **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

**Project:** PAK  
**Report Date:** July 03, 2013

**Page:** 3 of 3

**Part:** 1 of 1

## QUALITY CONTROL REPORT

TIM13000017S.1

		8X Cs %	8X Rb %	8X Ta ppm
		0.01	0.01	10
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	<10
Prep Wash				
G1	Prep Blank	<0.01	0.01	<10
G1	Prep Blank	<0.01	0.01	<10



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9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
PHONE (604) 253-3158

Client: **Houston Lake Mining**  
2892 White St.  
Val Caron ON P3N 1B2 CANADA

Submitted By: Trevor Walker  
Receiving Lab: Canada-Timmins  
Received: May 10, 2013  
Report Date: June 18, 2013  
Page: 1 of 6

## CERTIFICATE OF ANALYSIS

TIM13000018.1

### CLIENT JOB INFORMATION

Project: PAK  
Shipment ID:  
P.O. Number  
Number of Samples: 150

### SAMPLE DISPOSAL

RTRN-PLP Return  
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Houston Lake Mining  
2892 White St.  
Val Caron ON P3N 1B2  
CANADA

CC: Garth Drever  
Steve Beyer

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	131	Crush, split and pulverize 250 g rock to 200 mesh			TIM
4AB2	150	Whole Rock Analysis Majors and Trace Elements	0.2	Completed	VAN
7PF1	150	Fusion digestion (Na2O2) to 100 mL, analyzed by ICP-ES.	0.25	Completed	VAN
7PF1	150	Na2O2 fusion, analysis by ICP-ES	0.25	Completed	VAN
8X	5	X-Ray fluorescence / Fusion from Siemens		Completed	VAN
1F06	3	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

# CERTIFICATE OF ANALYSIS

TIM13000018.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
Analyte	Wgt	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	MgO	CaO	Na <sub>2</sub> O	K <sub>2</sub> O	TiO <sub>2</sub>	P <sub>2</sub> O <sub>5</sub>	MnO	Cr <sub>2</sub> O <sub>3</sub>	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320249	Drill Core	1.89	75.77	13.10	0.75	0.02	0.48	2.27	5.58	<0.01	0.46	0.17	<0.002	<20	<1	1.1	99.71	80	280	<0.2	586.3
1320250	Rock Pulp	0.10	97.63	0.73	<0.04	0.03	0.03	0.01	0.20	0.05	0.04	<0.01	<0.002	<20	<1	1.2	99.93	16	<1	<0.2	1.7
1320251	Drill Core	2.22	71.28	15.01	0.30	0.01	0.12	1.72	9.79	<0.01	0.34	0.06	<0.002	<20	<1	1.2	99.86	71	47	<0.2	616.2
1320252	Rock Pulp	0.05	74.14	15.06	0.36	0.02	0.36	6.08	1.78	0.02	0.41	0.05	<0.002	<20	3	1.1	99.38	9	177	0.2	736.3
1320253	Drill Core	2.05	67.09	17.72	0.27	0.01	0.12	2.40	10.89	<0.01	0.31	0.05	<0.002	<20	<1	1.0	99.87	61	3	<0.2	696.0
1320254	Drill Core	2.58	74.44	14.44	0.96	0.03	0.47	3.65	3.43	0.01	0.33	0.21	<0.002	<20	2	1.8	99.74	88	89	<0.2	847.0
1320255	Drill Core	2.14	80.67	10.84	0.69	0.02	0.26	2.19	3.02	<0.01	0.24	0.18	<0.002	<20	<1	1.5	99.66	14	356	0.2	659.2
1320256	Drill Core	2.05	73.37	14.65	0.49	0.02	0.17	2.12	7.57	<0.01	0.27	0.11	<0.002	<20	<1	1.0	99.81	44	57	<0.2	705.1
1320257	Drill Core	2.01	67.00	18.05	0.38	0.01	0.26	2.31	10.59	<0.01	0.40	0.10	<0.002	<20	<1	0.7	99.82	65	14	<0.2	815.3
1320258	Drill Core	2.21	74.76	14.48	0.51	0.02	0.17	2.58	6.27	<0.01	0.30	0.11	<0.002	<20	<1	0.5	99.71	44	299	<0.2	768.2
1320259	Drill Core	1.48	72.02	15.10	0.47	0.02	0.21	2.04	8.94	<0.01	0.29	0.07	<0.002	<20	<1	0.7	99.86	82	3	<0.2	717.7
1320260	Drill Core	1.65	66.44	17.96	0.21	<0.01	0.14	2.07	11.84	<0.01	0.38	0.07	<0.002	<20	<1	0.7	99.83	75	8	<0.2	773.2
1320261	Drill Core	1.34	76.79	12.75	0.53	<0.01	0.27	2.92	5.03	<0.01	0.38	0.10	<0.002	<20	<1	0.8	99.60	43	648	<0.2	446.3
1320262	Rock Pulp	0.05	70.02	18.81	0.43	0.04	0.18	2.24	4.20	<0.01	0.29	0.03	0.032	48	<1	1.6	97.89	13	26	0.8	>10000
1320263	Drill Core	0.88	75.50	13.94	0.45	<0.01	0.25	4.11	4.07	<0.01	0.39	0.13	<0.002	<20	<1	1.0	99.84	30	31	0.3	465.3
1320264	Rock Pulp	0.09	97.15	0.73	0.07	0.02	0.03	0.01	0.21	0.05	0.03	<0.01	<0.002	<20	<1	1.6	99.93	16	1	<0.2	2.1
1320265	Drill Core	2.21	77.82	12.47	0.40	<0.01	0.27	1.92	5.13	<0.01	0.37	0.14	<0.002	<20	<1	1.0	99.54	44	709	<0.2	717.1
1320266	Drill Core	2.36	77.41	13.40	0.64	<0.01	0.32	3.99	1.91	<0.01	0.34	0.23	<0.002	<20	<1	1.4	99.65	9	382	<0.2	615.4
1320267	Drill Core	2.14	71.86	17.04	0.33	<0.01	0.23	9.26	0.30	<0.01	0.43	0.12	<0.002	<20	<1	0.3	99.87	1	50	0.3	51.7
1320268	Drill Core	2.23	72.03	17.01	0.44	<0.01	0.31	8.66	0.47	<0.01	0.35	0.14	<0.002	<20	<1	0.4	99.82	2	101	<0.2	103.5
1320269	Drill Core	2.17	73.89	16.17	0.63	<0.01	0.29	6.47	1.03	<0.01	0.47	0.19	<0.002	<20	<1	0.6	99.76	3	195	<0.2	280.3
1320270	Drill Core	2.17	73.30	16.46	0.45	0.01	0.24	7.69	0.74	<0.01	0.34	0.17	<0.002	<20	<1	0.4	99.81	1	168	<0.2	205.4
1320271	Drill Core	1.90	72.66	16.70	0.50	0.01	0.30	6.34	1.79	<0.01	0.42	0.21	<0.002	<20	<1	0.8	99.75	18	187	<0.2	397.4
1320272	Drill Core	2.31	80.75	15.58	0.40	0.02	0.09	0.54	0.74	<0.01	0.09	0.06	<0.002	<20	<1	1.6	99.88	4	31	0.2	331.9
1320273	Drill Core	2.40	78.94	16.76	0.35	0.03	0.08	0.72	0.96	<0.01	0.12	0.05	<0.002	<20	<1	1.9	99.90	9	76	0.6	187.3
1320274	Rock Pulp	0.05	74.56	14.96	0.34	0.02	0.37	6.04	1.75	0.02	0.40	0.05	0.002	<20	3	0.9	99.41	8	169	0.5	727.1
1320275	Drill Core	2.24	75.65	15.78	0.63	0.03	0.35	3.09	2.75	<0.01	0.38	0.17	0.003	<20	<1	0.9	99.74	30	272	0.4	491.6
1320276	Rock Pulp	0.04	72.00	16.32	0.43	0.05	0.24	2.97	6.03	<0.01	0.31	0.02	0.037	<20	1	0.9	99.31	20	29	0.4	5685
1320277	Drill Core	1.16	74.24	16.07	0.53	0.02	0.31	2.68	5.14	<0.01	0.31	0.14	<0.002	<20	<1	0.4	99.87	30	44	0.3	306.9
1320278	Drill Core	2.09	77.15	13.62	0.38	0.02	0.06	0.86	5.73	<0.01	0.16	0.05	<0.002	<20	<1	1.8	99.86	32	5	0.4	545.7

# CERTIFICATE OF ANALYSIS

TIM13000018.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
1320249	Drill Core	29.9	1.2	59.8	4640	131	24.8	68.8	6.6	6.1	<8	2.6	15.0	3.2	3.2	5.6	0.58	3.3	0.59	0.07	0.57
1320250	Rock Pulp	0.7	2.7	1.7	8.7	<1	4.4	0.3	1.8	0.2	<8	<0.5	77.0	3.5	13.9	25.6	3.03	11.8	1.77	0.32	1.20
1320251	Drill Core	24.0	0.4	20.9	8739	28	12.1	46.4	0.4	0.6	<8	0.7	2.1	0.2	0.3	0.5	0.02	<0.3	<0.05	<0.02	<0.05
1320252	Rock Pulp	104.9	17.2	165.0	2533	827	29.2	2166	3.8	25.1	<8	3.8	43.4	0.1	<0.1	0.4	<0.02	<0.3	<0.05	<0.02	<0.05
1320253	Drill Core	28.8	0.5	9.9	9741	16	10.8	34.8	1.6	1.8	<8	1.0	4.2	0.4	0.7	1.2	0.11	0.4	<0.05	<0.02	0.09
1320254	Drill Core	37.7	3.6	77.1	3974	134	24.4	116.6	16.7	6.7	<8	7.9	45.4	9.9	9.2	19.1	2.08	9.1	1.84	0.17	1.73
1320255	Drill Core	34.3	2.3	138.5	3871	56	6.8	178.4	8.3	6.0	<8	5.2	20.3	2.7	2.6	5.0	0.59	2.3	0.41	0.06	0.53
1320256	Drill Core	31.2	1.2	33.1	7497	67	11.5	71.5	5.3	4.2	<8	3.1	12.2	1.3	2.3	4.4	0.46	1.3	0.27	0.04	0.41
1320257	Drill Core	31.6	1.3	34.4	>10000	36	15.0	61.8	3.9	4.5	<8	2.6	14.0	2.0	2.3	4.6	0.46	1.6	0.31	0.05	0.37
1320258	Drill Core	35.3	1.5	58.6	6229	76	9.7	105.8	4.1	3.6	<8	2.5	10.5	0.8	0.9	1.7	0.16	0.9	0.12	0.02	0.10
1320259	Drill Core	21.8	0.7	8.9	7685	21	16.9	17.3	3.8	1.5	<8	1.2	10.9	2.8	2.5	5.6	0.61	2.8	0.48	0.07	0.54
1320260	Drill Core	27.9	0.3	7.8	>10000	17	16.5	26.8	0.2	1.0	<8	1.1	1.7	0.5	0.1	0.4	0.02	0.4	<0.05	<0.02	0.05
1320261	Drill Core	27.8	1.5	41.0	4311	86	15.0	91.9	3.0	3.8	<8	1.2	8.1	0.8	1.0	1.9	0.19	0.5	0.12	0.02	0.21
1320262	Rock Pulp	56.8	0.9	20.9	5041	63	22.2	69.2	1.1	2.9	<8	0.6	7.1	<0.1	<0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320263	Drill Core	39.2	1.7	41.7	4120	107	14.4	82.0	4.6	4.2	<8	2.6	10.1	0.5	1.1	2.1	0.20	0.8	<0.05	0.02	0.15
1320264	Rock Pulp	<0.5	1.7	1.2	6.5	<1	4.3	1.2	1.9	0.2	<8	<0.5	71.8	3.3	13.7	26.3	3.16	10.4	1.77	0.30	1.22
1320265	Drill Core	35.8	1.1	68.3	5479	98	10.9	107.8	3.3	3.0	<8	3.5	7.4	2.2	1.7	3.6	0.41	2.0	0.40	0.06	0.41
1320266	Drill Core	44.4	3.1	83.2	3106	193	10.5	159.1	3.7	5.0	<8	5.3	17.6	1.7	1.5	3.6	0.37	1.3	0.28	0.04	0.30
1320267	Drill Core	41.4	2.5	65.3	240.0	68	17.3	203.5	1.5	4.2	<8	0.9	8.9	0.2	0.4	1.0	0.03	<0.3	<0.05	<0.02	<0.05
1320268	Drill Core	46.0	2.0	59.5	518.5	234	17.6	147.5	2.7	5.1	<8	4.6	12.1	0.4	0.5	0.8	0.05	<0.3	<0.05	<0.02	0.07
1320269	Drill Core	49.8	2.4	83.7	1308	201	17.0	196.5	3.2	5.7	<8	1.6	11.4	0.8	0.5	1.4	0.14	0.4	0.11	<0.02	0.16
1320270	Drill Core	43.4	1.9	63.1	898.2	103	13.2	135.2	2.7	3.8	<8	1.2	8.2	0.4	0.4	0.6	0.06	<0.3	<0.05	<0.02	<0.05
1320271	Drill Core	48.7	2.0	74.4	1943	225	13.9	190.7	2.8	5.1	<8	2.0	9.4	0.1	0.2	0.6	0.04	<0.3	<0.05	<0.02	<0.05
1320272	Drill Core	18.9	0.4	9.4	1132	45	3.3	22.3	0.8	0.6	<8	1.9	1.3	0.7	0.5	1.1	0.11	0.8	0.07	<0.02	0.11
1320273	Drill Core	15.8	0.1	12.9	863.5	23	10.3	40.5	0.5	0.3	<8	0.5	1.5	0.3	<0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320274	Rock Pulp	101.3	17.7	154.9	2529	763	27.0	2079	4.2	22.4	<8	3.8	49.5	<0.1	<0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320275	Drill Core	29.9	0.9	83.0	2373	54	21.8	111.7	6.7	5.3	<8	2.8	6.4	1.9	1.3	3.0	0.31	1.6	0.23	0.02	0.33
1320276	Rock Pulp	55.8	1.2	20.4	6848	49	23.0	62.9	1.5	3.5	<8	1.0	6.7	<0.1	<0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320277	Drill Core	21.5	0.5	15.7	2456	26	18.1	26.3	2.8	2.2	<8	0.9	7.8	2.9	1.5	2.9	0.36	1.1	0.32	0.05	0.47
1320278	Drill Core	22.1	0.2	19.7	4993	45	7.4	53.3	0.7	0.5	<8	1.6	1.0	0.2	0.1	0.3	0.02	<0.3	<0.05	<0.02	<0.05



# CERTIFICATE OF ANALYSIS

TIM13000018.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	7PF	7PF	8X	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1
1320249	Drill Core	0.08	0.50	0.12	0.24	0.04	0.20	0.05	0.02	<0.02	0.02	0.14	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320250	Rock Pulp	0.14	0.64	0.08	0.34	0.04	0.37	0.05	<0.02	<0.02	<0.01	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320251	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.06	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320252	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.05	<0.02	<0.01	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320253	Drill Core	<0.01	0.08	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.09	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320254	Drill Core	0.24	1.74	0.35	1.04	0.15	0.89	0.16	<0.02	<0.02	0.09	0.39	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320255	Drill Core	0.06	0.37	0.06	0.26	0.04	0.22	0.03	<0.02	<0.02	0.10	0.32	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320256	Drill Core	0.04	0.24	0.04	0.09	0.02	0.07	0.02	<0.02	<0.02	0.05	0.23	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320257	Drill Core	0.05	0.21	0.08	0.22	0.02	0.17	0.03	<0.02	<0.02	0.03	0.20	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320258	Drill Core	0.01	0.12	<0.02	0.05	<0.01	0.06	<0.01	<0.02	<0.02	0.07	0.25	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320259	Drill Core	0.08	0.50	0.09	0.23	0.03	0.31	0.03	<0.02	<0.02	0.03	0.10	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320260	Drill Core	<0.01	0.09	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.07	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320261	Drill Core	0.02	0.19	0.03	0.08	0.01	0.07	0.01	<0.02	<0.02	0.10	0.10	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320262	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.08	<0.02	<0.01	1.10	I.S.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320263	Drill Core	0.02	0.06	<0.02	0.05	<0.01	0.06	<0.01	<0.02	<0.02	0.05	0.19	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320264	Rock Pulp	0.15	0.76	0.09	0.42	0.06	0.37	0.06	<0.02	<0.02	<0.01	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320265	Drill Core	0.05	0.31	0.06	0.24	0.03	0.19	0.02	<0.02	<0.02	0.06	0.28	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320266	Drill Core	0.05	0.21	0.07	0.14	0.02	0.18	0.04	<0.02	<0.02	0.11	0.35	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320267	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.06	0.05	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320268	Drill Core	<0.01	<0.05	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.09	0.07	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320269	Drill Core	0.02	0.14	<0.02	0.07	<0.01	0.05	<0.01	<0.02	<0.02	0.15	0.17	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320270	Drill Core	<0.01	0.09	<0.02	0.04	<0.01	0.08	<0.01	<0.02	<0.02	0.09	0.11	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320271	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.08	0.25	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320272	Drill Core	0.01	0.11	<0.02	0.07	<0.01	0.06	<0.01	<0.02	<0.02	0.02	1.83	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320273	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.84	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320274	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	0.01	0.09	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320275	Drill Core	0.05	0.28	0.06	0.13	0.02	0.14	0.01	<0.02	<0.02	0.05	0.75	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320276	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.07	<0.02	<0.01	0.42	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320277	Drill Core	0.06	0.42	0.09	0.26	0.05	0.29	0.05	<0.02	<0.02	0.02	0.65	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320278	Drill Core	<0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.65	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

**CERTIFICATE OF ANALYSIS**

**TIM13000018.1**

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na
Unit	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%
MDL	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001
1320249	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320250	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320251	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320252	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320253	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320254	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320255	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320256	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320257	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320258	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320259	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320260	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320261	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320262	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320263	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320264	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320265	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320266	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320267	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320268	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320269	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320270	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320271	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320272	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320273	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320274	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320275	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320276	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320277	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320278	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

**CERTIFICATE OF ANALYSIS**

**TIM13000018.1**

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In
Unit	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02
1320249	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320250	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320251	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320252	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320253	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320254	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320255	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320256	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320257	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320258	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320259	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320260	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320261	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320262	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320263	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320264	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320265	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320266	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320267	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320268	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320269	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320270	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320271	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320272	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320273	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320274	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320275	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320276	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320277	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320278	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.



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Val Caron ON P3N 1B2 CANADA

**Project:** PAK  
**Report Date:** June 18, 2013

**Page:** 2 of 6

**Part:** 6 of 1

# CERTIFICATE OF ANALYSIS

TIM13000018.1

Method	1F30	1F30	1F30	1F30	1F30
Analyte	Re	Be	Li	Pd	Pt
Unit	ppb	ppm	ppm	ppb	ppb
MDL	1	0.1	0.1	10	2
1320249	Drill Core	N.A.	N.A.	N.A.	N.A.
1320250	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320251	Drill Core	N.A.	N.A.	N.A.	N.A.
1320252	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320253	Drill Core	N.A.	N.A.	N.A.	N.A.
1320254	Drill Core	N.A.	N.A.	N.A.	N.A.
1320255	Drill Core	N.A.	N.A.	N.A.	N.A.
1320256	Drill Core	N.A.	N.A.	N.A.	N.A.
1320257	Drill Core	N.A.	N.A.	N.A.	N.A.
1320258	Drill Core	N.A.	N.A.	N.A.	N.A.
1320259	Drill Core	N.A.	N.A.	N.A.	N.A.
1320260	Drill Core	N.A.	N.A.	N.A.	N.A.
1320261	Drill Core	N.A.	N.A.	N.A.	N.A.
1320262	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320263	Drill Core	N.A.	N.A.	N.A.	N.A.
1320264	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320265	Drill Core	N.A.	N.A.	N.A.	N.A.
1320266	Drill Core	N.A.	N.A.	N.A.	N.A.
1320267	Drill Core	N.A.	N.A.	N.A.	N.A.
1320268	Drill Core	N.A.	N.A.	N.A.	N.A.
1320269	Drill Core	N.A.	N.A.	N.A.	N.A.
1320270	Drill Core	N.A.	N.A.	N.A.	N.A.
1320271	Drill Core	N.A.	N.A.	N.A.	N.A.
1320272	Drill Core	N.A.	N.A.	N.A.	N.A.
1320273	Drill Core	N.A.	N.A.	N.A.	N.A.
1320274	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320275	Drill Core	N.A.	N.A.	N.A.	N.A.
1320276	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320277	Drill Core	N.A.	N.A.	N.A.	N.A.
1320278	Drill Core	N.A.	N.A.	N.A.	N.A.

# CERTIFICATE OF ANALYSIS

TIM13000018.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte	Wgt	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	MgO	CaO	Na <sub>2</sub> O	K <sub>2</sub> O	TiO <sub>2</sub>	P <sub>2</sub> O <sub>5</sub>	MnO	Cr <sub>2</sub> O <sub>3</sub>	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320279	Drill Core	2.43	72.06	16.52	0.33	0.03	0.13	1.44	8.24	<0.01	0.27	0.05	0.003	<20	<1	0.7	99.79	49	130	<0.2	773.7
1320280	Drill Core	1.79	80.13	16.53	0.45	0.02	0.04	0.25	1.11	<0.01	0.07	0.06	<0.002	<20	<1	1.2	99.86	2	76	0.4	401.7
1320281	Drill Core	1.59	74.70	14.59	0.95	0.04	0.40	3.86	3.64	<0.01	0.31	0.14	<0.002	<20	2	1.1	99.72	108	226	<0.2	627.8
1320282	Drill Core	1.38	74.98	15.96	0.51	0.03	0.19	5.28	1.76	<0.01	0.19	0.10	<0.002	28	<1	0.8	99.80	33	215	0.3	376.3
1320283	Drill Core	1.14	75.61	13.78	1.12	0.04	0.62	3.70	3.65	<0.01	0.14	0.11	<0.002	<20	3	1.0	99.81	127	19	<0.2	643.5
1320284	Drill Core	1.57	77.03	15.66	0.62	0.02	0.24	3.15	1.94	<0.01	0.26	0.14	0.004	<20	<1	0.6	99.70	21	381	<0.2	469.9
1320285	Drill Core	1.58	78.16	16.52	0.49	0.04	0.21	2.24	1.61	<0.01	0.19	0.09	<0.002	<20	<1	0.3	99.84	23	179	<0.2	240.0
1320286	Rock Pulp	0.09	98.05	0.74	0.09	0.03	0.04	0.02	0.18	0.05	0.03	<0.01	<0.002	<20	<1	0.7	99.94	14	<1	0.2	1.3
1320287	Drill Core	1.31	79.19	15.89	0.51	0.09	0.10	0.50	1.70	<0.01	0.13	0.09	<0.002	28	<1	1.7	99.88	9	25	0.8	299.2
1320288	Rock Pulp	0.05	74.42	15.00	0.34	0.02	0.37	6.25	1.77	0.02	0.38	0.05	<0.002	<20	3	0.8	99.42	10	181	0.4	735.0
1320289	Drill Core	2.10	79.99	17.23	0.47	0.01	0.07	0.85	0.53	<0.01	0.16	0.07	<0.002	<20	<1	0.5	99.89	3	30	0.2	220.0
1320290	Drill Core	2.25	79.92	16.94	0.45	0.04	0.10	1.03	0.70	<0.01	0.15	0.06	<0.002	<20	<1	0.5	99.89	3	13	<0.2	323.0
1320291	Drill Core	2.46	80.93	17.14	0.44	0.03	0.05	0.39	0.31	<0.01	0.12	0.03	<0.002	<20	<1	0.5	99.93	2	3	0.3	144.3
1320292	Drill Core	1.79	79.54	17.13	0.38	0.04	0.05	0.73	0.25	<0.01	0.07	0.03	<0.002	27	<1	1.7	99.91	2	12	0.2	117.0
1320293	Drill Core	2.38	80.93	16.56	0.45	0.06	0.05	0.62	0.24	<0.01	0.09	0.03	<0.002	<20	<1	0.9	99.93	<1	20	0.4	111.0
1320294	Drill Core	2.38	81.78	16.58	0.37	0.03	0.06	0.37	0.22	<0.01	0.08	0.03	<0.002	<20	<1	0.4	99.94	2	18	0.5	105.5
1320295	Drill Core	2.19	75.39	17.18	0.38	0.04	0.07	1.14	3.52	<0.01	0.13	0.04	<0.002	<20	<1	2.0	99.88	28	33	0.5	370.6
1320296	Drill Core	2.18	77.80	17.43	0.45	0.03	0.08	2.33	1.16	<0.01	0.32	0.08	0.002	<20	<1	0.2	99.87	5	26	<0.2	330.9
1320297	Drill Core	2.31	79.85	18.19	0.45	0.03	0.08	0.15	0.52	<0.01	0.08	0.05	<0.002	<20	<1	0.5	99.90	3	45	0.5	185.8
1320298	Rock Pulp	0.05	67.85	21.38	0.17	0.04	0.16	1.82	2.89	<0.01	0.27	0.03	0.018	<20	1	1.3	95.96	12	27	0.3	>10000
1320299	Drill Core	2.70	78.07	17.24	0.55	0.05	0.14	0.43	1.98	<0.01	0.16	0.06	<0.002	<20	<1	1.2	99.89	16	24	<0.2	359.2
1320300	Rock Pulp	0.10	97.50	0.72	0.09	0.03	0.03	<0.01	0.17	0.05	0.03	<0.01	<0.002	<20	<1	1.3	99.94	15	<1	0.3	0.8
1320301	Drill Core	2.32	75.85	17.39	0.41	0.04	0.12	1.01	4.10	<0.01	0.18	0.06	<0.002	<20	<1	0.7	99.86	41	29	0.2	635.6
1320302	Drill Core	2.41	80.42	15.02	0.57	0.04	0.24	0.53	1.25	<0.01	0.29	0.11	<0.002	21	<1	1.4	99.87	5	59	<0.2	367.4
1320303	Drill Core	2.14	79.40	15.64	0.67	0.06	0.15	0.98	1.85	<0.01	0.19	0.10	<0.002	27	<1	0.8	99.86	9	81	0.5	378.7
1320304	Drill Core	2.18	76.43	15.07	0.52	0.04	0.28	2.13	4.15	<0.01	0.34	0.13	0.003	<20	<1	0.7	99.79	14	149	<0.2	572.5
1320305	Drill Core	1.92	74.84	17.00	0.51	0.04	0.18	1.47	4.86	<0.01	0.19	0.06	<0.002	<20	<1	0.7	99.86	11	29	<0.2	497.5
1320306	Drill Core	2.38	72.75	16.22	0.58	0.03	0.42	7.23	0.97	<0.01	0.62	0.11	0.003	<20	<1	0.8	99.74	<1	195	0.3	449.2
1320307	Drill Core	2.29	75.11	16.57	0.57	0.02	0.31	5.87	0.35	<0.01	0.39	0.10	<0.002	<20	<1	0.5	99.81	<1	122	0.2	142.7
1320308	Drill Core	2.32	75.71	15.78	0.82	0.37	0.25	3.33	2.20	<0.01	0.26	0.09	<0.002	<20	<1	1.0	99.82	4	123	0.4	325.4

# CERTIFICATE OF ANALYSIS

TIM13000018.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
1320279	Drill Core	27.2	0.2	11.6	7275	36	11.0	42.5	0.6	0.8	<8	1.7	1.2	0.4	0.5	0.8	0.07	0.5	<0.05	<0.02	0.07
1320280	Drill Core	21.3	<0.1	25.1	1542	48	2.3	54.1	<0.2	1.7	<8	2.0	0.6	<0.1	<0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320281	Drill Core	25.6	1.5	34.8	3062	123	26.5	47.5	11.1	5.8	<8	3.2	26.0	8.1	8.5	17.6	1.94	7.6	1.57	0.15	1.56
1320282	Drill Core	35.4	1.6	66.2	1801	59	15.3	90.3	8.6	9.5	<8	1.9	14.0	2.8	2.8	4.5	0.52	1.9	0.33	0.06	0.49
1320283	Drill Core	20.0	1.9	12.5	2975	43	34.1	10.9	16.0	5.9	8	5.0	49.4	17.7	12.3	25.8	2.97	11.5	2.73	0.25	2.75
1320284	Drill Core	34.5	1.3	97.9	1961	68	12.4	172.5	6.9	6.1	<8	3.5	13.6	2.9	2.0	3.9	0.45	1.4	0.42	0.04	0.45
1320285	Drill Core	21.8	0.8	51.4	1061	48	12.3	68.8	5.6	3.0	<8	1.6	6.8	1.4	1.5	2.3	0.25	0.6	0.27	0.03	0.30
1320286	Rock Pulp	1.2	1.7	2.9	6.3	1	3.8	9.0	2.0	0.4	8	<0.5	70.1	3.7	16.3	29.8	3.66	13.0	2.23	0.35	1.65
1320287	Drill Core	21.0	0.9	20.5	1715	77	7.8	30.8	1.9	1.0	<8	2.0	6.0	0.2	0.3	0.5	0.03	<0.3	<0.05	<0.02	<0.05
1320288	Rock Pulp	103.0	17.0	161.9	2558	764	26.5	2064	3.3	22.2	<8	4.6	46.8	<0.1	0.4	0.3	0.03	<0.3	<0.05	<0.02	<0.05
1320289	Drill Core	19.4	0.6	33.4	690.4	105	2.5	59.1	1.9	2.5	<8	1.6	3.4	0.2	0.3	0.2	0.03	<0.3	<0.05	<0.02	<0.05
1320290	Drill Core	20.8	1.7	43.5	926.6	64	7.6	86.2	2.2	4.4	<8	1.5	7.9	<0.1	0.1	0.2	<0.02	<0.3	0.07	<0.02	<0.05
1320291	Drill Core	16.7	0.3	11.7	367.0	31	7.1	36.1	0.3	1.3	<8	0.8	2.3	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320292	Drill Core	17.9	0.6	14.4	330.7	18	4.7	43.3	0.9	1.2	<8	0.8	4.3	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320293	Drill Core	15.8	0.3	11.0	275.0	23	3.7	25.6	0.4	1.6	<8	0.6	3.0	<0.1	0.6	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
1320294	Drill Core	13.5	0.7	14.8	245.3	29	4.6	47.3	0.9	1.3	<8	<0.5	3.3	<0.1	0.3	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
1320295	Drill Core	18.5	0.5	36.5	2557	30	9.4	76.6	0.5	2.6	<8	1.1	4.9	<0.1	1.3	0.6	0.05	<0.3	<0.05	<0.02	<0.05
1320296	Drill Core	23.3	1.3	36.2	1137	64	5.1	113.6	1.6	3.6	<8	1.2	4.4	0.1	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320297	Drill Core	19.3	0.1	14.9	622.1	35	5.0	32.1	0.3	0.7	<8	1.0	1.0	0.1	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320298	Rock Pulp	56.0	1.2	18.4	3773	64	22.0	69.7	2.5	2.1	<8	0.8	5.8	0.1	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320299	Drill Core	20.9	0.2	28.7	1810	44	7.6	36.1	0.6	1.6	<8	1.8	1.4	0.3	0.6	0.7	0.05	0.3	0.05	<0.02	0.06
1320300	Rock Pulp	<0.5	1.7	1.4	5.3	<1	3.9	0.4	2.0	0.3	<8	<0.5	70.2	4.5	14.4	26.7	3.44	11.7	2.03	0.35	1.40
1320301	Drill Core	25.1	0.2	17.4	3742	61	14.7	44.2	2.5	1.4	<8	2.5	1.3	0.2	0.3	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
1320302	Drill Core	24.8	0.2	20.4	1485	70	12.4	30.6	0.8	1.4	<8	1.7	1.3	0.7	0.5	0.5	0.06	<0.3	<0.05	0.03	<0.05
1320303	Drill Core	26.7	0.8	21.5	1901	91	9.2	23.7	0.7	2.5	<8	1.0	4.3	0.4	0.4	0.4	0.05	<0.3	0.08	0.02	0.08
1320304	Drill Core	28.9	0.6	43.3	3533	54	12.8	68.4	0.9	2.9	<8	1.5	2.8	1.2	1.0	1.1	0.12	<0.3	0.14	<0.02	0.16
1320305	Drill Core	24.2	0.2	24.5	3879	42	9.6	41.4	0.5	0.6	<8	2.0	1.2	0.8	0.8	0.8	0.07	<0.3	0.05	<0.02	<0.05
1320306	Drill Core	47.5	2.4	74.3	1371	88	23.5	219.1	3.4	4.5	<8	2.2	10.0	0.7	1.1	1.4	0.10	<0.3	<0.05	<0.02	0.19
1320307	Drill Core	31.5	1.8	41.9	318.3	47	9.0	134.4	2.0	4.3	<8	1.2	7.3	0.2	0.7	0.7	0.06	<0.3	0.05	<0.02	0.09
1320308	Drill Core	34.0	1.8	41.8	1990	103	12.1	55.4	2.5	7.1	<8	2.1	11.6	3.0	2.6	3.9	0.41	1.4	0.37	0.11	0.56



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Project: PAK  
 Report Date: June 18, 2013

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Part: 3 of 1

# CERTIFICATE OF ANALYSIS

TIM13000018.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B 2A	Leco 2A	Leco	7PF	7PF	8X	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1
1320279	Drill Core	<0.01	0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.45	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320280	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.82	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320281	Drill Core	0.24	1.57	0.25	0.82	0.12	0.77	0.10	<0.02	<0.02	0.09	0.30	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320282	Drill Core	0.06	0.27	0.05	0.27	0.02	0.13	0.04	<0.02	<0.02	0.04	0.43	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320283	Drill Core	0.41	3.01	0.58	1.66	0.29	1.76	0.27	<0.02	<0.02	0.05	0.19	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320284	Drill Core	0.06	0.42	0.08	0.19	0.04	0.24	0.04	<0.02	<0.02	0.04	0.74	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320285	Drill Core	0.05	0.19	0.05	0.06	0.02	0.06	0.02	<0.02	<0.02	0.02	1.10	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320286	Rock Pulp	0.17	0.77	0.10	0.42	0.06	0.43	0.05	<0.02	<0.02	<0.01	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320287	Drill Core	<0.01	<0.05	<0.02	0.07	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	1.40	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320288	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	<0.01	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320289	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	1.77	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320290	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.67	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320291	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.89	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320292	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.84	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320293	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.85	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320294	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.91	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320295	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.36	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320296	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.30	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320297	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.00	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320298	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.08	<0.02	<0.01	1.41	4.16	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320299	Drill Core	0.01	0.06	<0.02	0.05	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.61	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320300	Rock Pulp	0.17	0.94	0.14	0.53	0.07	0.49	0.06	<0.02	<0.02	<0.01	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320301	Drill Core	<0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.17	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320302	Drill Core	<0.01	<0.05	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.46	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320303	Drill Core	0.01	0.11	<0.02	<0.03	<0.01	0.06	<0.01	<0.02	<0.02	0.03	1.26	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320304	Drill Core	0.05	0.30	0.02	0.08	<0.01	0.10	<0.01	<0.02	<0.02	0.06	0.63	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320305	Drill Core	0.02	0.11	<0.02	0.05	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	0.98	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320306	Drill Core	0.02	0.12	<0.02	0.03	<0.01	0.10	<0.01	<0.02	<0.02	0.11	0.17	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320307	Drill Core	0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.07	0.68	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320308	Drill Core	0.07	0.43	0.05	0.12	0.01	0.11	0.01	<0.02	0.03	0.04	0.61	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

Page: 3 of 6

Part: 4 of 1

# CERTIFICATE OF ANALYSIS

TIM13000018.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na
Unit	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%
MDL	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001
1320279	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320280	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320281	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320282	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320283	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320284	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320285	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320286	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320287	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320288	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320289	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320290	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320291	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320292	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320293	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320294	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320295	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320296	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320297	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320298	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320299	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320300	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320301	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320302	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320303	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320304	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320305	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320306	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320307	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320308	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



# CERTIFICATE OF ANALYSIS

TIM13000018.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In
Unit	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02
1320279	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320280	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320281	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320282	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320283	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320284	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320285	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320286	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320287	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320288	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320289	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320290	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320291	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320292	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320293	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320294	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320295	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320296	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320297	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320298	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320299	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320300	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320301	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320302	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320303	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320304	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320305	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320306	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320307	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320308	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.



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Project: PAK  
 Report Date: June 18, 2013

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Part: 6 of 1

# CERTIFICATE OF ANALYSIS

TIM13000018.1

Method	1F30	1F30	1F30	1F30	1F30
Analyte	Re	Be	Li	Pd	Pt
Unit	ppb	ppm	ppm	ppb	ppb
MDL	1	0.1	0.1	10	2
1320279	Drill Core	N.A.	N.A.	N.A.	N.A.
1320280	Drill Core	N.A.	N.A.	N.A.	N.A.
1320281	Drill Core	N.A.	N.A.	N.A.	N.A.
1320282	Drill Core	N.A.	N.A.	N.A.	N.A.
1320283	Drill Core	N.A.	N.A.	N.A.	N.A.
1320284	Drill Core	N.A.	N.A.	N.A.	N.A.
1320285	Drill Core	N.A.	N.A.	N.A.	N.A.
1320286	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320287	Drill Core	N.A.	N.A.	N.A.	N.A.
1320288	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320289	Drill Core	N.A.	N.A.	N.A.	N.A.
1320290	Drill Core	N.A.	N.A.	N.A.	N.A.
1320291	Drill Core	N.A.	N.A.	N.A.	N.A.
1320292	Drill Core	N.A.	N.A.	N.A.	N.A.
1320293	Drill Core	N.A.	N.A.	N.A.	N.A.
1320294	Drill Core	N.A.	N.A.	N.A.	N.A.
1320295	Drill Core	N.A.	N.A.	N.A.	N.A.
1320296	Drill Core	N.A.	N.A.	N.A.	N.A.
1320297	Drill Core	N.A.	N.A.	N.A.	N.A.
1320298	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320299	Drill Core	N.A.	N.A.	N.A.	N.A.
1320300	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320301	Drill Core	N.A.	N.A.	N.A.	N.A.
1320302	Drill Core	N.A.	N.A.	N.A.	N.A.
1320303	Drill Core	N.A.	N.A.	N.A.	N.A.
1320304	Drill Core	N.A.	N.A.	N.A.	N.A.
1320305	Drill Core	N.A.	N.A.	N.A.	N.A.
1320306	Drill Core	N.A.	N.A.	N.A.	N.A.
1320307	Drill Core	N.A.	N.A.	N.A.	N.A.
1320308	Drill Core	N.A.	N.A.	N.A.	N.A.

# CERTIFICATE OF ANALYSIS

TIM13000018.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
Analyte	Wgt	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	MgO	CaO	Na <sub>2</sub> O	K <sub>2</sub> O	TiO <sub>2</sub>	P <sub>2</sub> O <sub>5</sub>	MnO	Cr <sub>2</sub> O <sub>3</sub>	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320309	Drill Core	1.55	72.01	16.76	0.61	0.04	0.35	6.29	2.70	<0.01	0.29	0.13	<0.002	<20	<1	0.6	99.81	7	149	<0.2	431.6
1320310	Rock Pulp	0.05	74.52	14.97	0.34	0.03	0.38	6.00	1.72	0.02	0.41	0.05	<0.002	<20	2	1.0	99.43	8	153	1.9	736.5
1320311	Drill Core	0.36	69.15	17.66	0.30	0.04	0.13	3.41	7.85	<0.01	0.14	0.04	<0.002	<20	<1	1.1	99.86	10	27	<0.2	573.6
1320312	Rock Pulp	0.05	69.91	18.93	0.46	0.04	0.19	2.29	4.20	<0.01	0.29	0.03	0.037	58	2	1.5	97.91	15	23	0.6	>10000
1320313	Drill Core	2.35	75.82	14.32	0.95	0.02	0.42	4.72	1.87	<0.01	0.55	0.26	0.004	<20	<1	0.8	99.75	4	275	0.3	184.0
1320314	Drill Core	0.62	73.68	15.47	0.95	0.02	0.36	5.48	2.06	<0.01	0.67	0.35	<0.002	<20	<1	0.7	99.76	4	245	<0.2	139.8
1320315	Drill Core	2.04	71.92	15.86	1.03	0.04	0.59	4.07	4.89	<0.01	0.28	0.12	0.003	<20	3	1.0	99.82	10	67	<0.2	735.8
1320316	Drill Core	2.32	75.71	15.35	0.51	0.02	0.31	2.92	3.65	<0.01	0.36	0.13	<0.002	<20	<1	0.9	99.85	6	109	<0.2	216.2
1320317	Drill Core	2.15	73.72	16.09	0.54	0.01	0.28	5.57	2.69	<0.01	0.31	0.09	<0.002	<20	<1	0.5	99.81	6	155	0.7	216.6
1320318	Drill Core	2.58	75.44	16.68	0.55	0.02	0.28	3.01	2.75	<0.01	0.33	0.10	<0.002	<20	<1	0.7	99.85	5	143	0.6	209.7
1320319	Drill Core	2.25	76.31	16.64	0.50	0.02	0.27	2.25	2.97	<0.01	0.31	0.10	<0.002	<20	<1	0.5	99.86	6	109	0.6	169.9
1320320	Drill Core	2.30	74.32	16.86	0.60	0.02	0.32	1.44	5.25	<0.01	0.40	0.11	<0.002	<20	<1	0.5	99.84	11	135	0.7	256.9
1320321	Drill Core	2.25	74.50	16.98	0.41	0.03	0.23	1.13	5.57	<0.01	0.34	0.10	<0.002	<20	<1	0.6	99.88	15	98	0.9	224.7
1320322	Rock	0.32	9.37	0.16	0.23	7.30	42.44	0.04	0.07	0.01	0.02	0.02	<0.002	<20	<1	40.3	99.97	13	<1	0.8	1.1
1320323	Drill Core	2.04	76.46	17.27	0.38	0.04	0.38	0.62	3.79	<0.01	0.25	0.10	<0.002	<20	<1	0.6	99.88	13	64	0.4	207.6
1320324	Rock Pulp	0.05	74.32	15.12	0.41	0.03	0.38	6.15	1.80	0.02	0.40	0.05	<0.002	<20	2	0.7	99.36	9	184	1.1	777.5
1320325	Drill Core	2.34	78.33	16.92	0.40	0.05	0.25	0.95	2.14	<0.01	0.32	0.13	<0.002	<20	<1	0.4	99.89	4	95	0.6	160.3
1320326	Drill Core	1.93	73.71	16.12	0.50	0.03	0.27	6.86	1.21	<0.01	0.37	0.16	<0.002	<20	<1	0.6	99.84	1	133	0.7	101.5
1320327	Drill Core	2.30	79.32	16.33	0.50	0.06	0.14	0.98	1.56	<0.01	0.31	0.18	<0.002	<20	<1	0.5	99.89	2	82	<0.2	83.8
1320328	Drill Core	2.42	68.50	12.91	8.96	2.01	1.51	1.31	1.04	0.12	0.09	0.29	0.006	69	10	3.1	99.85	39	26	45.4	198.0
1320329	Drill Core	2.25	56.21	8.70	24.32	4.36	3.86	0.08	0.29	0.25	0.12	0.46	0.014	204	17	1.2	99.86	153	<1	57.3	38.9
1320330	Drill Core	3.24	45.46	3.12	43.23	4.97	3.77	0.10	0.06	0.08	0.15	0.30	0.004	<20	3	-1.4	99.87	247	<1	11.1	0.3
1320331	Drill Core	2.43	60.72	10.21	20.96	2.68	1.28	0.08	0.18	0.30	0.08	0.25	0.018	95	16	3.0	99.81	112	<1	34.1	2.3
1320603	Drill Core	2.33	75.54	13.24	1.42	0.07	0.79	3.52	4.51	0.01	0.05	0.06	<0.002	<20	3	0.7	99.88	268	10	0.8	175.6
1320604	Drill Core	2.26	75.94	13.35	1.11	0.05	0.75	3.59	4.61	<0.01	0.02	0.06	<0.002	<20	2	0.4	99.89	241	4	0.5	78.7
1320605	Drill Core	2.29	75.58	13.59	1.14	0.05	0.76	3.60	4.69	0.01	0.03	0.06	<0.002	<20	3	0.4	99.89	255	6	0.6	72.2
1320606	Drill Core	2.25	81.66	10.02	0.90	0.05	0.57	2.59	3.43	<0.01	0.02	0.05	<0.002	<20	2	0.6	99.88	189	2	0.8	104.0
1320607	Drill Core	1.72	76.78	12.92	0.93	0.06	0.68	3.46	4.58	<0.01	0.03	0.05	<0.002	<20	3	0.4	99.90	212	10	0.7	110.8
1320608	Rock	0.41	11.11	0.11	0.09	2.27	48.06	0.03	0.03	0.01	0.02	0.02	<0.002	<20	<1	38.2	99.96	101	2	0.7	0.7
1320609	Drill Core	2.18	75.50	13.52	1.14	0.05	0.79	3.49	4.68	<0.01	0.02	0.07	<0.002	<20	3	0.6	99.89	204	2	0.6	95.6

# CERTIFICATE OF ANALYSIS

TIM13000018.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
1320309	Drill Core	38.7	1.5	63.2	1934	46	9.5	115.2	2.6	10.1	<8	3.9	6.7	6.1	9.7	18.0	1.83	5.8	1.36	0.27	1.64
1320310	Rock Pulp	105.0	17.3	157.8	2618	796	29.8	1965	3.8	21.0	<8	3.9	46.5	0.2	0.4	0.2	0.02	<0.3	<0.05	<0.02	<0.05
1320311	Drill Core	26.9	0.2	20.8	4559	30	7.2	40.0	0.4	1.2	9	1.9	2.6	1.7	1.0	1.3	0.15	0.5	0.19	<0.02	0.30
1320312	Rock Pulp	56.0	1.2	21.5	4784	65	21.9	75.3	1.1	3.2	<8	1.4	6.5	<0.1	0.4	0.3	<0.02	<0.3	<0.05	<0.02	0.05
1320313	Drill Core	39.7	2.2	78.6	1882	67	14.6	95.3	3.2	11.1	<8	1.6	18.4	2.5	4.5	8.2	0.80	3.2	0.70	0.12	0.54
1320314	Drill Core	46.2	2.5	131.7	1828	57	14.4	140.7	3.8	17.0	<8	2.6	23.5	2.4	1.4	2.9	0.28	0.8	0.27	0.06	0.46
1320315	Drill Core	28.0	2.8	15.4	1857	30	13.2	17.3	18.0	8.7	<8	6.7	39.5	25.1	7.6	16.5	2.11	8.4	2.54	0.09	3.61
1320316	Drill Core	28.2	0.9	49.2	2906	113	8.8	68.4	2.2	3.2	<8	4.3	6.5	1.3	0.7	1.3	0.14	0.4	0.16	<0.02	0.20
1320317	Drill Core	34.1	3.3	74.8	2410	65	11.4	80.6	2.8	9.4	8	1.3	22.9	0.3	1.4	0.6	0.03	0.4	<0.05	<0.02	<0.05
1320318	Drill Core	33.5	1.4	48.4	2559	64	13.0	75.2	1.7	4.3	<8	2.0	7.9	0.4	0.3	0.4	0.02	<0.3	<0.05	<0.02	0.07
1320319	Drill Core	29.6	1.0	39.7	2769	53	11.6	58.8	2.2	4.5	<8	1.7	6.7	0.4	0.3	0.4	0.02	<0.3	<0.05	<0.02	0.07
1320320	Drill Core	32.8	0.2	39.0	4253	60	12.9	43.7	0.9	1.8	<8	2.1	1.6	0.4	0.5	0.5	0.03	0.4	<0.05	<0.02	0.05
1320321	Drill Core	27.7	0.6	27.5	4413	46	7.3	31.1	0.6	1.2	<8	1.1	3.0	0.3	0.2	0.3	0.02	<0.3	<0.05	<0.02	<0.05
1320322	Rock	<0.5	0.1	0.2	20.1	<1	67.5	0.4	<0.2	<0.1	<8	5.1	3.2	1.6	1.1	1.0	0.16	0.7	0.13	0.05	0.19
1320323	Drill Core	26.5	0.7	24.6	3361	37	5.8	33.0	0.5	0.7	<8	2.0	3.4	0.3	0.3	0.4	<0.02	<0.3	<0.05	<0.02	<0.05
1320324	Rock Pulp	105.1	20.3	166.4	2521	825	29.9	2331	4.4	23.4	<8	4.4	53.1	<0.1	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320325	Drill Core	26.7	0.1	31.8	2132	43	5.2	40.6	0.8	1.1	<8	1.7	1.7	0.7	0.5	0.5	0.03	<0.3	<0.05	<0.02	0.08
1320326	Drill Core	36.0	2.0	64.8	1209	69	8.0	104.0	4.7	5.2	<8	1.3	13.0	3.5	9.8	19.2	1.79	7.3	1.24	0.28	1.37
1320327	Drill Core	27.8	1.2	33.7	1716	22	5.1	35.8	1.0	2.3	43	3.2	9.2	0.5	0.7	1.8	0.13	<0.3	0.12	<0.02	0.09
1320328	Drill Core	21.2	1.0	18.9	1121	22	52.1	37.7	2.3	2.6	54	1.5	22.8	8.4	6.3	11.2	1.17	4.0	0.97	0.30	1.28
1320329	Drill Core	10.2	1.3	2.8	49.4	1	185.3	1.7	2.5	0.8	98	1.1	50.1	14.4	10.7	20.6	2.34	8.9	1.80	0.77	2.30
1320330	Drill Core	3.9	0.5	1.1	2.5	1	95.4	0.2	1.0	<0.1	29	3.8	19.4	9.3	5.5	10.8	1.12	2.9	0.86	0.36	1.02
1320331	Drill Core	11.8	1.6	2.5	10.2	<1	84.1	1.1	3.6	0.8	91	0.6	51.1	12.6	13.4	27.5	2.95	12.4	2.36	0.68	2.65
1320603	Drill Core	12.9	2.4	8.8	598.9	7	54.0	1.9	15.9	6.9	<8	1.6	45.2	14.5	16.3	30.7	3.70	14.3	2.72	0.30	2.75
1320604	Drill Core	12.4	2.2	7.9	211.5	4	52.9	2.2	14.5	5.9	<8	1.2	49.6	15.0	14.6	29.4	3.34	12.5	2.69	0.33	2.82
1320605	Drill Core	13.4	2.4	7.8	178.8	3	53.5	2.2	15.8	6.2	<8	0.8	48.2	13.4	16.0	31.6	3.56	13.9	2.79	0.37	3.01
1320606	Drill Core	10.0	1.5	6.7	228.9	7	42.6	1.5	12.2	4.5	<8	1.6	40.2	12.0	12.9	24.3	2.88	12.8	2.28	0.26	2.19
1320607	Drill Core	13.4	2.6	8.2	303.4	6	53.2	1.5	14.7	6.8	<8	1.5	48.4	13.9	15.8	30.9	3.44	14.7	2.75	0.27	2.62
1320608	Rock	<0.5	0.1	<0.1	1.8	<1	81.1	0.2	<0.2	0.2	<8	<0.5	3.8	2.9	1.3	1.2	0.20	1.0	0.23	0.04	0.23
1320609	Drill Core	14.4	2.5	8.1	217.5	7	53.6	1.3	14.8	6.7	<8	1.3	46.0	14.0	14.0	27.8	3.15	11.7	2.57	0.30	2.53

# CERTIFICATE OF ANALYSIS

TIM13000018.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A	Leco	2A	Leco	7PF	7PF	8X	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn		
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	0.1	1	
1320309	Drill Core	0.18	0.86	0.13	0.26	0.03	0.31	0.04	0.03	<0.02	0.03	0.18	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320310	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	<0.01	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320311	Drill Core	0.05	0.29	0.05	0.15	<0.01	0.12	0.01	<0.02	<0.02	<0.01	0.23	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320312	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	1.02	2.15	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320313	Drill Core	0.11	0.40	0.06	0.14	0.01	0.13	0.02	<0.02	<0.02	0.11	0.21	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320314	Drill Core	0.05	0.28	0.05	0.07	<0.01	0.13	0.02	<0.02	<0.02	0.12	0.10	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320315	Drill Core	0.65	4.54	0.83	2.15	0.36	2.26	0.32	<0.02	0.06	0.01	0.13	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320316	Drill Core	0.04	0.21	0.03	0.10	0.01	0.10	0.01	<0.02	<0.02	0.03	0.62	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320317	Drill Core	0.01	0.06	<0.02	<0.03	<0.01	0.06	<0.01	<0.02	<0.02	0.07	0.28	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320318	Drill Core	0.01	0.06	<0.02	0.04	<0.01	0.05	<0.01	<0.02	<0.02	0.01	0.80	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320319	Drill Core	0.01	0.07	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	0.90	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320320	Drill Core	0.01	0.08	<0.02	0.06	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.80	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320321	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.93	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320322	Rock	0.03	0.20	0.04	0.16	0.01	0.16	0.02	11.95	<0.02	<0.01	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320323	Drill Core	<0.01	<0.05	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.30	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320324	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	<0.01	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320325	Drill Core	0.01	<0.05	<0.02	<0.03	<0.01	0.05	<0.01	<0.02	<0.02	<0.01	1.40	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320326	Drill Core	0.14	0.58	0.10	0.21	0.02	0.11	0.01	<0.02	<0.02	0.05	0.30	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320327	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.48	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320328	Drill Core	0.21	1.36	0.28	0.81	0.13	0.90	0.13	0.28	1.68	0.03	0.36	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320329	Drill Core	0.35	2.26	0.46	1.51	0.22	1.44	0.22	0.03	3.82	<0.01	0.01	3.45	105.5	2.07	19.8	105	9.5	2.0	130		
1320330	Drill Core	0.15	1.00	0.29	0.91	0.10	0.74	0.09	<0.02	0.60	<0.01	<0.01	0.24	39.59	0.36	8.0	37	38.3	11.6	184		
1320331	Drill Core	0.41	2.29	0.46	1.35	0.24	1.32	0.24	0.22	5.58	<0.01	<0.01	1.14	213.5	8.40	43.6	270	106.9	41.7	384		
1320603	Drill Core	0.42	2.39	0.51	1.56	0.22	1.60	0.23	<0.02	0.31	<0.01	0.06	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320604	Drill Core	0.43	2.39	0.55	1.44	0.24	1.58	0.22	<0.02	0.32	0.01	0.05	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320605	Drill Core	0.42	2.80	0.50	1.50	0.26	1.43	0.23	<0.02	0.28	0.03	0.04	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320606	Drill Core	0.36	2.19	0.38	1.14	0.18	1.26	0.19	<0.02	0.20	0.02	0.06	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320607	Drill Core	0.39	2.42	0.43	1.39	0.18	1.23	0.20	<0.02	0.22	0.01	0.05	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320608	Rock	0.04	0.27	0.07	0.23	0.03	0.10	0.02	11.57	<0.02	<0.01	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320609	Drill Core	0.40	2.50	0.49	1.32	0.24	1.74	0.25	<0.02	0.31	0.01	0.07	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	



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Project: PAK  
 Report Date: June 18, 2013

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Part: 4 of 1

# CERTIFICATE OF ANALYSIS

TIM13000018.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	
Unit	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	
MDL	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	
1320309	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320310	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320311	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320312	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320313	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320314	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320315	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320316	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320317	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320318	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320319	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320320	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320321	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320322	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320323	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320324	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320325	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320326	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320327	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320328	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320329	Drill Core	1.56	0.1	1.0	299.4	0.6	5.9	0.03	0.19	3.31	38	0.05	0.011	9.4	44.1	0.14	16.1	0.003	4	0.43	0.003
1320330	Drill Core	4.96	905.7	0.2	5.7	1.4	34.9	0.02	2.13	0.26	7	0.38	0.054	7.1	10.8	0.15	143.9	0.006	4	0.33	0.010
1320331	Drill Core	11.46	25.4	0.6	5.7	3.6	72.5	0.43	3.15	0.55	58	0.58	0.026	13.6	50.9	1.04	48.6	0.034	3	2.53	0.049
1320603	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320604	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320605	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320606	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320607	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320608	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320609	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

# CERTIFICATE OF ANALYSIS

TIM13000018.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	
Unit	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	
1320309	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320310	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320311	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320312	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320313	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320314	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320315	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320316	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320317	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320318	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320319	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320320	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320321	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320322	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320323	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320324	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320325	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320326	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320327	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320328	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320329	Drill Core	0.08	0.2	1.2	0.02	<0.02	155	0.1	1.94	1.9	0.89	<0.1	0.02	0.05	6.1	0.8	<0.05	0.6	3.81	17.1	0.07
1320330	Drill Core	<0.01	0.4	0.4	<0.02	0.54	<5	0.7	0.13	1.3	0.59	0.1	<0.02	0.05	1.1	0.1	<0.05	1.0	1.96	12.1	<0.02
1320331	Drill Core	0.15	0.2	7.1	0.60	4.99	<5	3.3	0.53	6.3	2.36	0.4	0.16	0.16	8.8	0.5	<0.05	6.4	3.05	25.3	0.04
1320603	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320604	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320605	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320606	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320607	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320608	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320609	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	

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**Project:** PAK  
**Report Date:** June 18, 2013

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**Part:** 6 of 1

## CERTIFICATE OF ANALYSIS

TIM13000018.1

Method	Analyte	1F30	1F30	1F30	1F30	1F30
		Re	Be	Li	Pd	Pt
Unit		ppb	ppm	ppm	ppb	ppb
MDL		1	0.1	0.1	10	2
1320309	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
1320310	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.
1320311	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
1320312	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.
1320313	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
1320314	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
1320315	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
1320316	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
1320317	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
1320318	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
1320319	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
1320320	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
1320321	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
1320322	Rock	N.A.	N.A.	N.A.	N.A.	N.A.
1320323	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
1320324	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.
1320325	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
1320326	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
1320327	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
1320328	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
1320329	Drill Core	1	0.4	4.2	<10	<2
1320330	Drill Core	4	<0.1	4.6	<10	<2
1320331	Drill Core	2	0.2	28.0	<10	<2
1320603	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
1320604	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
1320605	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
1320606	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
1320607	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
1320608	Rock	N.A.	N.A.	N.A.	N.A.	N.A.
1320609	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.



# CERTIFICATE OF ANALYSIS

TIM13000018.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
Analyte	Wgt	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	MgO	CaO	Na <sub>2</sub> O	K <sub>2</sub> O	TiO <sub>2</sub>	P <sub>2</sub> O <sub>5</sub>	MnO	Cr <sub>2</sub> O <sub>3</sub>	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320610	Rock Pulp	0.05	74.09	15.15	0.44	0.03	0.37	6.20	1.77	0.02	0.39	0.05	<0.002	<20	3	0.9	99.40	9	172	0.8	772.2
1320611	Drill Core	1.04	74.98	13.51	1.19	0.06	0.84	3.32	4.63	0.01	0.10	0.09	<0.002	<20	3	1.1	99.85	246	28	0.6	323.7
1320612	Drill Core	1.65	75.10	13.73	1.07	0.04	0.60	4.19	4.09	<0.01	0.07	0.10	<0.002	<20	3	0.9	99.91	7	11	0.7	100.8
1320613	Drill Core	1.95	75.84	13.72	1.04	0.04	0.59	3.85	4.51	<0.01	0.03	0.09	<0.002	<20	2	0.2	99.92	9	6	0.7	56.1
1320614	Drill Core	2.28	75.32	13.71	0.98	0.06	0.60	3.89	4.73	<0.01	0.04	0.08	<0.002	<20	3	0.5	99.92	12	5	1.2	91.2
1320615	Drill Core	2.22	75.06	13.78	1.09	0.08	0.62	3.80	4.75	<0.01	0.02	0.10	<0.002	<20	3	0.6	99.92	12	2	0.9	64.6
1320616	Drill Core	2.40	75.33	13.67	1.10	0.03	0.61	3.85	4.50	<0.01	0.03	0.09	<0.002	<20	3	0.7	99.93	8	5	0.7	34.3
1320617	Drill Core	2.11	75.66	13.72	1.10	0.06	0.59	3.67	4.64	<0.01	0.02	0.06	<0.002	<20	2	0.4	99.92	12	3	1.0	45.6
1320618	Drill Core	2.32	75.13	13.91	1.02	0.07	0.53	3.82	4.81	<0.01	0.03	0.07	<0.002	<20	2	0.5	99.90	11	39	0.8	84.2
1320619	Drill Core	1.96	74.81	13.54	1.18	0.13	0.70	3.65	5.07	<0.01	0.05	0.10	<0.002	<20	3	0.7	99.93	15	5	4.5	24.5
1320620	Drill Core	1.10	74.97	13.89	1.11	0.10	0.71	3.81	4.80	<0.01	0.03	0.08	<0.002	<20	3	0.4	99.91	13	4	4.4	27.9
1320621	Rock Pulp	0.05	72.02	16.28	0.47	0.05	0.24	2.90	5.93	<0.01	0.33	0.02	0.037	27	1	1.0	99.32	16	26	0.7	5650
1320622	Drill Core	2.11	75.21	13.89	1.17	0.03	0.61	3.89	4.59	<0.01	0.05	0.08	0.003	<20	3	0.4	99.92	8	3	0.7	62.7
1320623	Rock	0.28	6.59	0.14	0.21	2.90	49.77	0.03	0.05	0.01	<0.01	0.02	0.003	22	<1	40.2	99.96	50	3	0.6	0.7
1320624	Drill Core	2.29	75.00	14.05	1.09	0.02	0.67	4.12	4.43	<0.01	<0.01	0.09	<0.002	<20	3	0.5	99.99	8	3	0.3	44.6
1320625	Drill Core	1.92	74.75	13.93	1.27	0.03	0.73	4.09	4.50	<0.01	<0.01	0.07	0.011	41	2	0.6	99.99	8	4	0.8	29.5
1320626	Drill Core	2.13	74.69	14.14	1.12	0.03	0.63	4.12	4.56	<0.01	<0.01	0.07	<0.002	<20	3	0.6	99.97	8	4	<0.2	31.6
1320627	Drill Core	2.46	73.10	13.26	2.34	0.53	0.71	3.20	5.14	<0.01	<0.01	0.08	0.004	<20	2	1.5	99.87	27	5	9.5	29.1
1320628	Drill Core	2.20	75.05	14.02	1.08	0.04	0.66	4.01	4.53	<0.01	<0.01	0.08	0.003	<20	3	0.5	99.99	7	1	0.5	25.0
1320629	Drill Core	2.19	74.76	14.03	1.07	0.06	0.70	4.04	4.51	<0.01	0.01	0.08	0.002	<20	3	0.7	99.98	7	1	0.6	36.3
1320630	Drill Core	2.04	75.11	14.09	1.12	0.02	0.62	4.06	4.44	<0.01	<0.01	0.09	<0.002	<20	3	0.4	99.98	7	4	<0.2	48.6
1320631	Drill Core	2.26	75.61	13.75	1.07	0.02	0.60	3.79	4.47	<0.01	<0.01	0.09	0.002	<20	3	0.5	99.90	8	2	0.5	28.5
1320632	Drill Core	2.15	75.10	13.91	1.07	0.02	0.61	3.96	4.49	<0.01	0.02	0.09	<0.002	<20	3	0.7	99.99	6	2	<0.2	33.4
1320633	Drill Core	2.21	75.30	13.89	1.09	0.02	0.60	3.98	4.48	<0.01	<0.01	0.09	<0.002	<20	3	0.5	99.97	7	5	<0.2	41.3
1320634	Rock Pulp	0.05	74.04	15.45	0.40	0.02	0.39	6.30	1.81	0.02	0.39	0.05	<0.002	<20	3	0.6	99.47	7	157	<0.2	740.4
1320635	Drill Core	2.10	75.02	14.32	1.00	0.04	0.50	3.85	4.39	<0.01	0.11	0.14	<0.002	<20	3	0.6	99.96	7	16	<0.2	178.3
1320636	Rock Pulp	0.05	66.98	21.08	0.27	0.04	0.17	1.78	2.79	<0.01	0.26	0.03	0.020	22	<1	2.9	96.28	9	25	0.5	>10000
1320637	Drill Core	2.14	74.99	14.99	0.97	0.04	0.41	3.53	4.24	<0.01	0.11	0.16	<0.002	<20	3	0.5	99.93	6	48	<0.2	282.4
1320651	Drill Core	0.64	71.76	15.37	0.42	0.01	0.22	1.68	9.17	<0.01	0.31	0.07	<0.002	<20	<1	0.8	99.84	68	6	0.9	710.8
1320652	Drill Core	0.92	72.41	15.68	0.42	<0.01	0.28	2.44	7.16	<0.01	0.33	0.12	<0.002	<20	<1	1.0	99.85	39	89	0.6	798.0

# CERTIFICATE OF ANALYSIS

TIM13000018.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	
1320610	Rock Pulp	106.2	18.2	159.4	2547	815	29.3	2158	3.5	22.1	<8	4.2	51.7	<0.1	0.4	0.4	0.02	<0.3	<0.05	<0.02	<0.05
1320611	Drill Core	17.3	2.5	11.0	1341	23	55.4	7.5	14.7	6.3	<8	3.1	47.8	13.1	14.5	29.1	3.31	13.4	2.83	0.29	2.67
1320612	Drill Core	16.9	2.2	14.0	783.4	13	15.6	8.1	15.6	9.6	<8	0.9	40.5	24.5	10.8	22.0	2.71	10.1	3.11	0.08	3.66
1320613	Drill Core	14.6	2.8	9.8	218.3	3	16.8	1.7	15.8	8.7	<8	0.8	46.4	25.7	10.1	21.1	2.55	9.9	2.85	0.10	3.59
1320614	Drill Core	16.1	2.3	9.2	426.9	7	16.6	3.4	16.3	8.6	<8	3.0	43.4	21.4	9.6	19.6	2.31	9.3	2.63	0.09	2.72
1320615	Drill Core	15.1	3.3	8.1	284.2	6	16.5	1.3	15.9	8.9	<8	1.1	46.8	24.3	9.7	20.0	2.33	9.8	2.79	0.10	3.45
1320616	Drill Core	14.4	2.6	6.9	210.7	4	15.8	1.2	16.2	8.8	<8	1.0	44.0	25.3	10.7	22.5	2.58	10.8	2.80	0.10	3.60
1320617	Drill Core	15.7	3.0	10.6	249.1	6	16.3	2.1	15.9	9.2	<8	1.3	44.9	17.9	9.8	21.2	2.43	9.6	2.77	0.11	2.37
1320618	Drill Core	15.6	2.6	11.5	496.2	7	14.8	5.6	15.7	9.5	<8	2.1	42.7	19.4	10.7	20.6	2.46	11.5	2.57	0.07	3.06
1320619	Drill Core	15.8	1.7	7.4	209.5	3	19.1	1.7	13.9	47.9	<8	2.1	33.0	25.0	7.8	16.5	2.11	9.5	2.82	0.14	3.92
1320620	Drill Core	15.0	2.7	9.6	202.3	3	18.2	1.8	16.8	11.5	<8	1.9	40.5	13.3	11.3	24.4	2.86	8.7	2.97	0.12	3.13
1320621	Rock Pulp	56.5	1.2	20.5	6635	58	23.1	67.9	1.4	3.6	<8	0.9	8.9	<0.1	0.4	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
1320622	Drill Core	16.0	2.7	9.8	278.0	5	17.6	2.3	15.3	9.4	<8	1.4	36.7	21.8	9.1	21.2	2.62	13.0	3.26	0.08	3.49
1320623	Rock	2.9	<0.1	1.8	4.9	3	84.4	<0.1	0.2	0.2	21	<0.5	3.0	1.8	1.8	1.7	0.26	1.2	0.24	0.04	0.37
1320624	Drill Core	16.3	2.9	10.3	248.0	4	15.7	2.6	14.6	7.7	<8	1.7	36.7	22.0	10.2	22.8	2.60	9.4	3.10	0.10	3.74
1320625	Drill Core	15.9	2.3	10.5	208.7	3	15.7	2.0	14.4	7.6	<8	1.8	41.2	16.8	11.1	21.8	2.64	9.2	2.97	0.09	2.99
1320626	Drill Core	16.1	2.0	9.1	222.9	4	15.0	1.8	15.3	7.6	<8	2.2	37.0	20.3	10.2	21.6	2.58	10.2	3.00	0.08	3.33
1320627	Drill Core	18.4	2.7	11.5	235.6	7	19.4	1.9	15.5	41.6	18	1.1	42.2	24.4	9.2	19.3	2.21	8.3	2.96	0.18	3.57
1320628	Drill Core	15.8	3.1	9.9	214.9	3	14.3	1.6	15.6	8.4	<8	1.6	43.5	22.4	11.0	22.4	2.71	11.2	2.98	0.10	3.84
1320629	Drill Core	15.8	2.4	8.9	240.9	4	15.1	2.0	13.7	8.4	<8	0.9	36.5	19.6	10.5	21.7	2.57	10.0	3.07	0.09	3.53
1320630	Drill Core	15.6	2.8	10.4	280.8	4	14.8	1.5	14.0	8.2	<8	1.4	41.6	24.0	8.6	17.9	2.29	9.5	2.77	0.08	3.50
1320631	Drill Core	18.7	2.7	11.0	219.6	5	14.4	2.2	13.6	7.9	17	1.5	37.1	22.5	9.8	21.7	2.63	13.1	3.16	0.12	3.66
1320632	Drill Core	15.9	2.3	10.2	202.2	3	14.4	1.6	13.2	8.1	<8	1.1	41.8	20.5	9.6	20.6	2.37	9.1	2.86	0.10	3.42
1320633	Drill Core	16.2	2.5	9.0	244.5	4	14.3	1.7	14.0	7.8	<8	1.1	47.5	23.1	9.7	19.3	2.44	10.3	2.89	0.07	3.38
1320634	Rock Pulp	101.9	18.5	149.6	2474	809	26.9	2112	3.5	20.5	<8	4.5	50.2	<0.1	0.5	0.4	0.02	<0.3	<0.05	<0.02	<0.05
1320635	Drill Core	18.5	1.8	18.0	1342	20	12.3	15.7	11.4	7.3	<8	1.8	30.2	17.8	8.5	17.0	2.07	8.7	2.42	0.08	2.84
1320636	Rock Pulp	53.6	1.1	18.9	3861	62	22.7	68.8	1.7	2.3	<8	0.8	5.7	0.2	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320637	Drill Core	18.6	1.5	10.7	1880	26	11.0	20.4	9.9	6.3	<8	2.0	22.3	22.1	8.2	17.4	2.06	7.7	2.62	0.06	3.18
1320651	Drill Core	32.1	0.8	24.8	8741	28	19.5	68.4	7.5	1.7	14	2.9	13.4	3.0	3.3	5.1	0.64	1.9	0.56	0.10	0.53
1320652	Drill Core	37.1	1.5	39.4	7274	66	12.9	92.5	4.4	6.5	<8	3.4	8.8	2.0	2.2	3.5	0.40	2.1	0.24	0.05	0.31

# CERTIFICATE OF ANALYSIS

TIM13000018.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	7PF	7PF	8X	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	0.1	
1320610	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.03	<0.02	<0.01	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320611	Drill Core	0.38	2.44	0.50	1.40	0.21	1.32	0.20	0.04	0.25	0.04	0.13	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320612	Drill Core	0.67	4.40	0.76	2.29	0.35	2.51	0.33	<0.02	0.07	<0.01	0.05	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320613	Drill Core	0.64	4.11	0.87	2.43	0.38	2.53	0.41	<0.02	0.11	<0.01	0.04	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320614	Drill Core	0.56	3.34	0.80	2.48	0.36	2.16	0.33	<0.02	0.09	0.01	0.03	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320615	Drill Core	0.60	4.16	0.87	2.52	0.38	2.59	0.38	<0.02	0.08	<0.01	0.03	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320616	Drill Core	0.66	4.20	0.86	2.67	0.42	2.76	0.37	<0.02	0.05	<0.01	0.03	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320617	Drill Core	0.39	3.09	0.61	1.95	0.32	2.11	0.33	<0.02	0.04	0.01	0.02	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320618	Drill Core	0.49	3.28	0.64	1.92	0.29	2.17	0.32	<0.02	0.04	<0.01	0.03	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320619	Drill Core	0.75	4.51	0.87	2.52	0.34	2.10	0.33	<0.02	0.04	<0.01	0.04	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320620	Drill Core	0.47	2.53	0.50	1.46	0.20	1.32	0.22	0.04	0.29	<0.01	0.04	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320621	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	0.42	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320622	Drill Core	0.57	3.77	0.79	2.37	0.36	2.38	0.34	<0.02	0.27	<0.01	0.04	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320623	Rock	0.04	0.19	0.08	0.09	0.02	0.16	0.01	11.62	<0.02	<0.01	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320624	Drill Core	0.63	3.90	0.76	2.40	0.35	2.37	0.37	<0.02	0.24	<0.01	0.03	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320625	Drill Core	0.46	2.82	0.57	1.57	0.24	1.76	0.25	0.02	0.29	<0.01	0.03	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320626	Drill Core	0.54	2.95	0.60	1.91	0.30	2.17	0.31	<0.02	0.28	<0.01	0.03	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320627	Drill Core	0.66	4.58	0.82	2.51	0.35	2.14	0.33	0.05	1.16	0.02	0.02	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320628	Drill Core	0.56	3.74	0.73	2.31	0.36	2.21	0.35	<0.02	0.27	<0.01	0.04	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320629	Drill Core	0.54	3.05	0.58	1.86	0.28	1.76	0.29	0.03	0.29	<0.01	0.03	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320630	Drill Core	0.62	3.94	0.72	2.30	0.37	2.60	0.38	<0.02	0.24	0.01	0.03	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320631	Drill Core	0.62	3.89	0.82	2.19	0.34	2.07	0.30	<0.02	0.25	<0.01	0.04	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320632	Drill Core	0.56	3.27	0.66	1.99	0.32	2.03	0.29	<0.02	0.28	<0.01	0.04	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320633	Drill Core	0.60	3.71	0.70	2.11	0.34	2.07	0.32	<0.02	0.27	<0.01	0.04	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320634	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	<0.01	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320635	Drill Core	0.47	3.01	0.63	1.81	0.27	1.72	0.25	<0.02	0.17	0.02	0.13	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320636	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	1.58	4.23	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320637	Drill Core	0.55	3.72	0.71	1.93	0.32	2.23	0.34	<0.02	0.12	0.01	0.32	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320651	Drill Core	0.08	0.58	0.09	0.22	0.04	0.30	0.04	<0.02	<0.02	0.04	0.17	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320652	Drill Core	0.05	0.38	0.06	0.23	0.03	0.17	0.04	<0.02	<0.02	0.04	0.28	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	

**CERTIFICATE OF ANALYSIS**

**TIM13000018.1**

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	
Unit	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	
MDL	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	
1320610	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320611	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320612	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320613	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320614	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320615	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320616	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320617	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320618	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320619	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320620	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320621	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320622	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320623	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320624	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320625	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320626	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320627	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320628	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320629	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320630	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320631	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320632	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320633	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320634	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320635	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320636	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320637	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320651	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320652	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

**CERTIFICATE OF ANALYSIS**

**TIM13000018.1**

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In
Unit	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.02	0.05	0.1	0.01	0.1	0.02
1320610	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320611	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320612	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320613	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320614	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320615	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320616	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320617	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320618	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320619	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320620	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320621	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320622	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320623	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320624	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320625	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320626	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320627	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320628	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320629	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320630	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320631	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320632	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320633	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320634	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320635	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320636	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320637	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320651	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320652	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

# CERTIFICATE OF ANALYSIS

TIM13000018.1

Method	1F30	1F30	1F30	1F30	1F30
Analyte	Re	Be	Li	Pd	Pt
Unit	ppb	ppm	ppm	ppb	ppb
MDL	1	0.1	0.1	10	2
1320610	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320611	Drill Core	N.A.	N.A.	N.A.	N.A.
1320612	Drill Core	N.A.	N.A.	N.A.	N.A.
1320613	Drill Core	N.A.	N.A.	N.A.	N.A.
1320614	Drill Core	N.A.	N.A.	N.A.	N.A.
1320615	Drill Core	N.A.	N.A.	N.A.	N.A.
1320616	Drill Core	N.A.	N.A.	N.A.	N.A.
1320617	Drill Core	N.A.	N.A.	N.A.	N.A.
1320618	Drill Core	N.A.	N.A.	N.A.	N.A.
1320619	Drill Core	N.A.	N.A.	N.A.	N.A.
1320620	Drill Core	N.A.	N.A.	N.A.	N.A.
1320621	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320622	Drill Core	N.A.	N.A.	N.A.	N.A.
1320623	Rock	N.A.	N.A.	N.A.	N.A.
1320624	Drill Core	N.A.	N.A.	N.A.	N.A.
1320625	Drill Core	N.A.	N.A.	N.A.	N.A.
1320626	Drill Core	N.A.	N.A.	N.A.	N.A.
1320627	Drill Core	N.A.	N.A.	N.A.	N.A.
1320628	Drill Core	N.A.	N.A.	N.A.	N.A.
1320629	Drill Core	N.A.	N.A.	N.A.	N.A.
1320630	Drill Core	N.A.	N.A.	N.A.	N.A.
1320631	Drill Core	N.A.	N.A.	N.A.	N.A.
1320632	Drill Core	N.A.	N.A.	N.A.	N.A.
1320633	Drill Core	N.A.	N.A.	N.A.	N.A.
1320634	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320635	Drill Core	N.A.	N.A.	N.A.	N.A.
1320636	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320637	Drill Core	N.A.	N.A.	N.A.	N.A.
1320651	Drill Core	N.A.	N.A.	N.A.	N.A.
1320652	Drill Core	N.A.	N.A.	N.A.	N.A.

# CERTIFICATE OF ANALYSIS

TIM13000018.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte	Wgt	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	MgO	CaO	Na <sub>2</sub> O	K <sub>2</sub> O	TiO <sub>2</sub>	P <sub>2</sub> O <sub>5</sub>	MnO	Cr <sub>2</sub> O <sub>3</sub>	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320653	Drill Core	1.22	72.86	16.92	0.42	0.03	0.10	2.21	6.53	<0.01	0.15	0.03	<0.002	<20	<1	0.6	99.85	41	124	0.7	727.4
1320654	Drill Core	0.89	75.96	17.08	0.59	0.01	0.15	3.80	1.43	<0.01	0.26	0.14	0.004	<20	<1	0.4	99.85	4	121	0.9	289.1
1320655	Drill Core	1.10	72.55	16.18	1.47	0.04	0.21	3.84	4.74	0.01	0.21	0.09	<0.002	<20	<1	0.5	99.88	18	9	0.8	459.5
1320656	Drill Core	0.83	75.61	13.60	1.23	0.02	0.66	3.63	4.69	<0.01	0.01	0.08	<0.002	<20	3	0.4	99.93	193	1	<0.2	195.8
1320657	Drill Core	1.15	75.67	14.24	0.65	0.02	0.32	3.29	3.63	<0.01	0.34	0.15	0.004	<20	<1	1.4	99.76	56	251	0.4	894.1
1320658	Drill Core	1.01	80.18	17.67	0.43	0.02	0.03	0.25	0.39	<0.01	0.21	0.02	0.004	<20	<1	0.6	99.81	4	256	0.8	416.8
1320659	Drill Core	0.36	73.67	16.36	0.68	0.02	0.40	5.15	2.55	<0.01	0.32	0.07	0.003	32	<1	0.6	99.83	7	108	0.9	188.3
1320660	Rock	1.04	4.75	0.16	0.24	1.26	51.93	0.01	<0.01	0.01	<0.01	0.02	0.003	<20	<1	41.6	99.96	99	1	<0.2	2.3
1320661	Drill Core	0.05	75.69	16.82	0.67	0.03	0.21	3.32	2.16	<0.01	0.23	0.11	0.008	24	<1	0.7	99.94	11	98	0.4	137.9
1320662	Rock Pulp	0.83	64.87	21.51	0.16	0.04	0.15	1.65	1.85	<0.01	0.29	0.03	0.013	32	<1	1.9	92.47	8	19	<0.2	>10000
1320663	Drill Core	0.73	73.08	15.61	0.42	0.01	0.42	5.50	3.52	<0.01	0.55	0.16	<0.002	<20	<1	0.6	99.89	34	76	0.5	385.9
1320664	Drill Core	0.32	75.98	16.59	0.43	0.05	0.21	0.57	2.20	<0.01	0.13	0.08	0.008	21	<1	3.6	99.82	15	131	1.2	358.4
1320665	Drill Core	1.00	71.02	16.92	0.45	0.04	0.17	3.28	7.22	<0.01	0.18	0.05	0.013	41	<1	0.6	99.93	9	4	0.9	561.4
1320666	Drill Core	1.00	76.35	17.08	0.56	0.03	0.19	2.61	2.13	<0.01	0.20	0.08	<0.002	<20	<1	0.7	99.93	3	92	0.5	151.9
1320667	Drill Core	0.95	76.65	17.37	0.40	0.03	0.18	1.55	2.90	<0.01	0.22	0.08	<0.002	<20	<1	0.6	99.98	6	42	0.3	111.6
1320668	Drill Core	1.11	74.02	17.71	0.78	0.03	0.29	1.10	4.56	<0.01	0.33	0.13	0.002	<20	<1	0.9	99.88	7	81	0.4	489.9
1320669	Drill Core	0.98	71.64	17.26	0.84	0.06	0.34	7.47	1.02	<0.01	0.43	0.19	0.004	<20	<1	0.6	99.89	4	111	0.7	170.7
1320670	Drill Core	0.98	72.39	16.25	0.87	0.02	0.56	3.89	4.93	<0.01	0.19	0.10	0.003	<20	1	0.6	99.80	174	42	0.7	617.5
1320671	Drill Core	1.01	75.41	14.07	0.94	0.02	0.40	4.02	3.66	<0.01	0.29	0.17	<0.002	<20	1	0.8	99.78	65	159	0.7	384.3
1320672	Rock Pulp	0.05	71.17	18.51	0.39	0.05	0.19	2.19	4.07	<0.01	0.28	0.03	0.032	32	1	1.1	98.00	14	33	0.7	>10000
1320673	Drill Core	0.92	77.52	16.15	0.53	<0.01	0.17	1.10	1.02	<0.01	0.55	0.28	<0.002	<20	<1	2.5	99.81	<1	160	0.7	369.2
1320674	Rock	0.38	8.62	0.12	0.24	2.65	48.86	0.04	0.02	0.01	0.03	0.02	<0.002	<20	<1	39.4	99.96	18	<1	<0.2	46.7
1320675	Drill Core	1.07	73.51	16.01	0.56	<0.01	0.24	7.16	1.02	<0.01	0.42	0.24	<0.002	<20	<1	0.6	99.78	<1	177	0.5	240.9
1320676	Drill Core	0.96	74.29	14.53	2.11	0.05	0.70	3.36	4.14	0.02	0.10	0.08	<0.002	<20	4	0.5	99.87	206	4	0.4	176.2
1320677	Drill Core	0.77	76.11	13.35	1.09	0.04	0.62	3.47	4.53	<0.01	0.09	0.07	<0.002	<20	2	0.4	99.78	200	10	0.3	996.3
1320678	Drill Core	0.94	75.93	13.32	1.31	0.02	0.69	3.31	4.77	0.01	0.02	0.06	<0.002	<20	3	0.4	99.85	257	6	0.3	234.3
1320679	Drill Core	1.09	75.67	13.43	1.27	0.03	0.69	3.40	4.88	0.01	0.03	0.06	<0.002	<20	3	0.4	99.87	244	2	<0.2	167.0
1320680	Drill Core	1.08	76.27	13.38	1.30	0.02	0.65	3.14	4.32	<0.01	0.05	0.08	<0.002	<20	3	0.6	99.82	205	9	<0.2	524.7
1320681	Drill Core	1.01	75.10	13.45	1.07	0.08	0.62	3.71	4.56	<0.01	0.03	0.07	<0.002	<20	3	1.2	99.91	13	7	3.4	31.4
1320547	Drill Core	0.99	77.97	12.12	1.16	0.02	0.54	3.41	3.64	<0.01	0.10	0.10	<0.002	<20	2	0.8	99.86	185	9	<0.2	355.3

# CERTIFICATE OF ANALYSIS

TIM13000018.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
1320653	Drill Core	26.0	2.5	40.7	3725	62	10.0	129.8	0.7	4.1	<8	1.3	16.6	1.1	0.7	0.5	0.07	<0.3	0.06	<0.02	0.09
1320654	Drill Core	29.3	1.6	48.7	1369	83	5.8	117.7	3.0	3.9	17	1.5	8.1	0.2	0.6	0.4	0.05	<0.3	0.07	<0.02	<0.05
1320655	Drill Core	29.6	6.9	22.8	1765	76	5.0	98.6	1.3	9.0	<8	2.6	50.7	4.2	7.9	15.9	1.63	5.7	1.24	0.22	1.26
1320656	Drill Core	14.1	2.1	7.9	435.6	6	47.7	2.3	15.4	6.9	<8	1.2	49.0	15.3	15.4	30.6	3.42	14.0	2.96	0.29	2.75
1320657	Drill Core	42.6	1.7	77.2	4119	56	14.2	141.0	4.4	5.8	<8	4.8	16.5	3.7	3.6	6.7	0.73	2.1	0.60	0.08	0.60
1320658	Drill Core	19.8	<0.1	9.1	543.4	8	2.1	35.1	<0.2	0.8	15	1.3	1.1	0.2	0.6	0.5	0.03	<0.3	<0.05	<0.02	0.06
1320659	Drill Core	40.8	1.9	67.5	2289	57	12.9	63.8	2.7	7.8	15	2.4	16.9	1.1	0.8	0.8	0.09	0.5	0.10	0.03	0.20
1320660	Rock	1.2	<0.1	1.4	8.2	2	91.2	1.0	<0.2	0.1	16	0.7	2.6	1.9	1.5	1.6	0.26	1.4	0.19	0.06	0.30
1320661	Drill Core	28.3	0.9	41.9	1927	27	8.1	47.8	1.3	2.8	<8	1.0	6.6	0.8	0.4	0.3	0.03	<0.3	<0.05	<0.02	0.11
1320662	Rock Pulp	52.3	1.4	20.5	3939	67	30.8	64.4	0.8	1.7	<8	1.4	5.1	<0.1	<0.1	<0.1	0.02	<0.3	<0.05	<0.02	<0.05
1320663	Drill Core	41.2	2.2	44.7	3373	126	19.8	147.5	5.8	5.0	<8	2.1	13.7	1.3	1.9	3.3	0.34	1.2	0.16	0.06	0.19
1320664	Drill Core	22.5	0.4	15.3	2339	53	9.6	32.1	1.3	1.1	12	1.6	3.2	0.4	0.6	0.4	0.09	0.6	0.06	<0.02	0.08
1320665	Drill Core	26.2	0.5	22.0	3917	44	6.3	24.8	0.6	2.6	<8	2.5	4.9	2.2	0.8	1.4	0.15	0.5	0.24	<0.02	0.32
1320666	Drill Core	30.6	1.7	28.9	2076	100	9.0	43.3	2.8	3.0	<8	1.5	8.0	0.3	0.6	0.7	0.06	<0.3	<0.05	0.02	0.07
1320667	Drill Core	18.9	0.2	20.9	2135	20	7.7	19.4	0.5	1.0	<8	0.9	2.2	0.4	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320668	Drill Core	35.8	1.3	52.7	3621	96	5.1	56.6	1.6	4.4	<8	2.7	7.6	1.8	0.5	1.0	0.09	<0.3	0.25	<0.02	0.33
1320669	Drill Core	36.0	3.8	72.4	805.5	31	9.2	123.0	2.7	11.6	<8	1.5	24.8	1.7	1.1	1.5	0.15	0.9	0.11	0.02	0.25
1320670	Drill Core	29.4	2.2	26.1	3212	48	39.8	28.7	12.7	10.8	11	1.7	34.3	12.7	12.6	25.6	2.73	8.7	2.21	0.22	2.28
1320671	Drill Core	33.5	2.5	52.7	2662	73	19.7	90.5	8.3	7.3	<8	2.0	27.1	6.1	5.0	10.4	1.14	4.7	0.96	0.12	1.07
1320672	Rock Pulp	57.2	1.0	23.8	5116	62	21.2	78.2	1.1	3.5	<8	1.7	6.9	<0.1	0.3	0.2	0.02	1.1	<0.05	<0.02	<0.05
1320673	Drill Core	29.0	0.7	73.0	1565	57	3.0	106.6	1.5	1.7	<8	1.7	3.7	0.2	0.2	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320674	Rock	<0.5	<0.1	0.7	8.8	<1	86.3	0.7	<0.2	<0.1	<8	<0.5	1.8	2.9	1.3	1.3	0.22	1.1	0.19	0.06	0.26
1320675	Drill Core	42.7	2.9	82.3	1284	200	3.9	96.2	3.1	7.7	<8	2.1	18.1	0.3	<0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320676	Drill Core	22.1	2.2	13.3	774.5	14	49.9	14.7	15.5	6.6	<8	1.4	40.9	12.7	15.8	32.9	3.68	12.9	3.06	0.31	3.03
1320677	Drill Core	16.4	1.9	12.1	1420	21	49.7	10.3	15.3	6.5	<8	1.7	45.9	15.4	14.8	30.1	3.37	12.9	2.94	0.27	2.90
1320678	Drill Core	14.4	1.7	10.2	434.9	6	61.8	1.5	15.4	5.2	<8	2.3	45.3	14.9	16.8	32.7	3.68	13.7	3.14	0.35	2.93
1320679	Drill Core	14.7	2.5	9.8	359.1	2	60.2	1.4	17.6	8.5	<8	1.0	53.2	18.8	17.5	35.7	3.97	16.0	3.37	0.37	3.13
1320680	Drill Core	14.6	3.1	10.1	1699	25	49.0	2.9	19.2	7.4	8	5.5	57.0	20.4	15.1	32.9	3.60	12.4	3.07	0.23	3.21
1320681	Drill Core	15.9	2.4	10.0	224.4	4	18.0	1.7	16.1	9.5	<8	2.7	38.7	15.2	10.0	21.9	2.58	9.8	3.16	0.12	3.04
1320547	Drill Core	16.1	2.3	10.4	755.9	17	46.7	4.2	12.7	4.4	<8	1.7	44.5	13.1	12.3	26.3	2.94	8.8	2.16	0.24	2.28



# CERTIFICATE OF ANALYSIS

TIM13000018.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A	Leco	2A	Leco	7PF	7PF	8X	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn		
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	0.1	1	
1320653	Drill Core	0.01	0.11	0.03	0.06	0.01	0.06	0.01	<0.02	<0.02	0.02	0.60	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320654	Drill Core	0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	1.02	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320655	Drill Core	0.15	0.76	0.10	0.33	0.04	0.29	0.03	<0.02	<0.02	0.30	0.07	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320656	Drill Core	0.42	2.70	0.51	1.57	0.25	1.39	0.23	<0.02	0.18	0.04	0.07	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320657	Drill Core	0.10	0.75	0.10	0.43	0.06	0.29	0.05	<0.02	<0.02	0.09	0.39	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320658	Drill Core	<0.01	<0.05	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.11	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320659	Drill Core	0.04	0.09	0.02	0.05	<0.01	<0.05	0.01	<0.02	<0.02	0.06	0.31	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320660	Rock	0.04	0.17	0.05	0.12	0.02	0.09	0.02	11.95	<0.02	<0.01	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320661	Drill Core	0.03	0.14	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.88	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320662	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	0.22	<0.01	0.05	<0.02	<0.01	1.60	8.39	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320663	Drill Core	0.02	0.15	0.05	0.05	0.01	0.14	0.02	<0.02	<0.02	0.06	0.13	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320664	Drill Core	0.01	0.09	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.56	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320665	Drill Core	0.06	0.37	0.04	0.11	0.02	0.15	0.02	<0.02	<0.02	<0.01	0.23	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320666	Drill Core	<0.01	0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.10	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320667	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.35	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320668	Drill Core	0.08	0.21	0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.96	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320669	Drill Core	0.04	0.17	0.03	0.06	<0.01	0.06	<0.01	<0.02	<0.02	0.16	0.20	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320670	Drill Core	0.37	2.22	0.43	1.21	0.21	1.33	0.20	<0.02	<0.02	0.02	0.30	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320671	Drill Core	0.16	1.05	0.18	0.55	0.08	0.49	0.07	0.02	<0.02	0.09	0.16	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320672	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.07	<0.02	<0.01	1.06	2.13	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320673	Drill Core	0.05	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.64	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320674	Rock	0.04	0.23	0.06	0.14	0.02	0.15	0.01	11.51	<0.02	<0.01	<0.01	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320675	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	0.05	<0.01	<0.02	<0.02	0.06	0.15	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320676	Drill Core	0.41	2.52	0.39	1.33	0.16	1.09	0.16	0.03	<0.02	0.23	0.11	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320677	Drill Core	0.43	2.70	0.49	1.50	0.22	1.42	0.23	<0.02	<0.02	0.03	0.09	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320678	Drill Core	0.39	2.52	0.44	1.38	0.20	1.43	0.19	<0.02	<0.02	<0.01	0.11	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320679	Drill Core	0.48	3.12	0.59	1.83	0.28	1.51	0.26	0.02	0.03	<0.01	0.08	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320680	Drill Core	0.50	2.88	0.69	2.11	0.31	2.14	0.30	<0.02	0.11	0.08	0.14	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320681	Drill Core	0.44	2.53	0.48	1.46	0.23	1.33	0.22	0.02	0.28	<0.01	0.03	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320547	Drill Core	0.35	2.23	0.41	1.28	0.17	1.42	0.16	<0.02	0.12	0.05	0.09	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	

**CERTIFICATE OF ANALYSIS**

**TIM13000018.1**

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	
Unit	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	
MDL	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	
1320653	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320654	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320655	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320656	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320657	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320658	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320659	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320660	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320661	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320662	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320663	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320664	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320665	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320666	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320667	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320668	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320669	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320670	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320671	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320672	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320673	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320674	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320675	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320676	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320677	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320678	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320679	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320680	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320681	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320547	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

# CERTIFICATE OF ANALYSIS

TIM13000018.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	
Unit	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	
1320653	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320654	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320655	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320656	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320657	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320658	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320659	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320660	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320661	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320662	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320663	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320664	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320665	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320666	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320667	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320668	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320669	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320670	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320671	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320672	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320673	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320674	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320675	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320676	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320677	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320678	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320679	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320680	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320681	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320547	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.



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 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

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Part: 6 of 1

# CERTIFICATE OF ANALYSIS

TIM13000018.1

Method	1F30	1F30	1F30	1F30	1F30
Analyte	Re	Be	Li	Pd	Pt
Unit	ppb	ppm	ppm	ppb	ppb
MDL	1	0.1	0.1	10	2
1320653	Drill Core	N.A.	N.A.	N.A.	N.A.
1320654	Drill Core	N.A.	N.A.	N.A.	N.A.
1320655	Drill Core	N.A.	N.A.	N.A.	N.A.
1320656	Drill Core	N.A.	N.A.	N.A.	N.A.
1320657	Drill Core	N.A.	N.A.	N.A.	N.A.
1320658	Drill Core	N.A.	N.A.	N.A.	N.A.
1320659	Drill Core	N.A.	N.A.	N.A.	N.A.
1320660	Rock	N.A.	N.A.	N.A.	N.A.
1320661	Drill Core	N.A.	N.A.	N.A.	N.A.
1320662	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320663	Drill Core	N.A.	N.A.	N.A.	N.A.
1320664	Drill Core	N.A.	N.A.	N.A.	N.A.
1320665	Drill Core	N.A.	N.A.	N.A.	N.A.
1320666	Drill Core	N.A.	N.A.	N.A.	N.A.
1320667	Drill Core	N.A.	N.A.	N.A.	N.A.
1320668	Drill Core	N.A.	N.A.	N.A.	N.A.
1320669	Drill Core	N.A.	N.A.	N.A.	N.A.
1320670	Drill Core	N.A.	N.A.	N.A.	N.A.
1320671	Drill Core	N.A.	N.A.	N.A.	N.A.
1320672	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320673	Drill Core	N.A.	N.A.	N.A.	N.A.
1320674	Rock	N.A.	N.A.	N.A.	N.A.
1320675	Drill Core	N.A.	N.A.	N.A.	N.A.
1320676	Drill Core	N.A.	N.A.	N.A.	N.A.
1320677	Drill Core	N.A.	N.A.	N.A.	N.A.
1320678	Drill Core	N.A.	N.A.	N.A.	N.A.
1320679	Drill Core	N.A.	N.A.	N.A.	N.A.
1320680	Drill Core	N.A.	N.A.	N.A.	N.A.
1320681	Drill Core	N.A.	N.A.	N.A.	N.A.
1320547	Drill Core	N.A.	N.A.	N.A.	N.A.

# QUALITY CONTROL REPORT

TIM13000018.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320265	Drill Core	2.21	77.82	12.47	0.40	<0.01	0.27	1.92	5.13	<0.01	0.37	0.14	<0.002	<20	<1	1.0	99.54	44	709	<0.2	717.1
1320302	Drill Core	2.41	80.42	15.02	0.57	0.04	0.24	0.53	1.25	<0.01	0.29	0.11	<0.002	21	<1	1.4	99.87	5	59	<0.2	367.4
1320610	Rock Pulp	0.05	74.09	15.15	0.44	0.03	0.37	6.20	1.77	0.02	0.39	0.05	<0.002	<20	3	0.9	99.40	9	172	0.8	772.2
1320660	Rock	1.04	4.75	0.16	0.24	1.26	51.93	0.01	<0.01	0.01	<0.01	0.02	0.003	<20	<1	41.6	99.96	99	1	<0.2	2.3
Pulp Duplicates																					
REP G1-TIM	QC																				
1320262	Rock Pulp	0.05	70.02	18.81	0.43	0.04	0.18	2.24	4.20	<0.01	0.29	0.03	0.032	48	<1	1.6	97.89	13	26	0.8	>10000
REP 1320262	QC		69.96	18.91	0.43	0.04	0.18	2.24	4.22	<0.01	0.28	0.03	0.030	34	1	1.6	97.93	15	31	0.9	>10000
1320264	Rock Pulp	0.09	97.15	0.73	0.07	0.02	0.03	0.01	0.21	0.05	0.03	<0.01	<0.002	<20	<1	1.6	99.93	16	1	<0.2	2.1
REP 1320264	QC																				
1320277	Drill Core	1.16	74.24	16.07	0.53	0.02	0.31	2.68	5.14	<0.01	0.31	0.14	<0.002	<20	<1	0.4	99.87	30	44	0.3	306.9
REP 1320277	QC																				
1320282	Drill Core	1.38	74.98	15.96	0.51	0.03	0.19	5.28	1.76	<0.01	0.19	0.10	<0.002	28	<1	0.8	99.80	33	215	0.3	376.3
REP 1320282	QC																				
1320299	Drill Core	2.70	78.07	17.24	0.55	0.05	0.14	0.43	1.98	<0.01	0.16	0.06	<0.002	<20	<1	1.2	99.89	16	24	<0.2	359.2
REP 1320299	QC																				
1320312	Rock Pulp	0.05	69.91	18.93	0.46	0.04	0.19	2.29	4.20	<0.01	0.29	0.03	0.037	58	2	1.5	97.91	15	23	0.6	>10000
REP 1320312	QC																				
1320313	Drill Core	2.35	75.82	14.32	0.95	0.02	0.42	4.72	1.87	<0.01	0.55	0.26	0.004	<20	<1	0.8	99.75	4	275	0.3	184.0
REP 1320313	QC		75.73	14.46	0.92	0.02	0.41	4.75	1.86	<0.01	0.56	0.26	<0.002	<20	<1	0.8	99.77	2	324	<0.2	175.0
1320317	Drill Core	2.15	73.72	16.09	0.54	0.01	0.28	5.57	2.69	<0.01	0.31	0.09	<0.002	<20	<1	0.5	99.81	6	155	0.7	216.6
REP 1320317	QC																				
1320603	Drill Core	2.33	75.54	13.24	1.42	0.07	0.79	3.52	4.51	0.01	0.05	0.06	<0.002	<20	3	0.7	99.88	268	10	0.8	175.6
REP 1320603	QC		75.14	13.50	1.46	0.08	0.79	3.57	4.54	0.01	0.06	0.06	<0.002	<20	3	0.7	99.89	283	8	0.8	177.2
1320605	Drill Core	2.29	75.58	13.59	1.14	0.05	0.76	3.60	4.69	0.01	0.03	0.06	<0.002	<20	3	0.4	99.89	255	6	0.6	72.2
REP 1320605	QC																				
1320618	Drill Core	2.32	75.13	13.91	1.02	0.07	0.53	3.82	4.81	<0.01	0.03	0.07	<0.002	<20	2	0.5	99.90	11	39	0.8	84.2
REP 1320618	QC																				
1320623	Rock	0.28	6.59	0.14	0.21	2.90	49.77	0.03	0.05	0.01	<0.01	0.02	0.003	22	<1	40.2	99.96	50	3	0.6	0.7

# QUALITY CONTROL REPORT

TIM13000018.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	
1320265	Drill Core	35.8	1.1	68.3	5479	98	10.9	107.8	3.3	3.0	<8	3.5	7.4	2.2	1.7	3.6	0.41	2.0	0.40	0.06	0.41
1320302	Drill Core	24.8	0.2	20.4	1485	70	12.4	30.6	0.8	1.4	<8	1.7	1.3	0.7	0.5	0.5	0.06	<0.3	<0.05	0.03	<0.05
1320610	Rock Pulp	106.2	18.2	159.4	2547	815	29.3	2158	3.5	22.1	<8	4.2	51.7	<0.1	0.4	0.4	0.02	<0.3	<0.05	<0.02	<0.05
1320660	Rock	1.2	<0.1	1.4	8.2	2	91.2	1.0	<0.2	0.1	16	0.7	2.6	1.9	1.5	1.6	0.26	1.4	0.19	0.06	0.30
Pulp Duplicates																					
REP G1-TIM	QC																				
1320262	Rock Pulp	56.8	0.9	20.9	5041	63	22.2	69.2	1.1	2.9	<8	0.6	7.1	<0.1	<0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
REP 1320262	QC	57.0	1.2	21.2	4972	62	20.1	66.1	0.9	2.7	<8	0.7	7.0	<0.1	<0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320264	Rock Pulp	<0.5	1.7	1.2	6.5	<1	4.3	1.2	1.9	0.2	<8	<0.5	71.8	3.3	13.7	26.3	3.16	10.4	1.77	0.30	1.22
REP 1320264	QC																				
1320277	Drill Core	21.5	0.5	15.7	2456	26	18.1	26.3	2.8	2.2	<8	0.9	7.8	2.9	1.5	2.9	0.36	1.1	0.32	0.05	0.47
REP 1320277	QC																				
1320282	Drill Core	35.4	1.6	66.2	1801	59	15.3	90.3	8.6	9.5	<8	1.9	14.0	2.8	2.8	4.5	0.52	1.9	0.33	0.06	0.49
REP 1320282	QC																				
1320299	Drill Core	20.9	0.2	28.7	1810	44	7.6	36.1	0.6	1.6	<8	1.8	1.4	0.3	0.6	0.7	0.05	0.3	0.05	<0.02	0.06
REP 1320299	QC																				
1320312	Rock Pulp	56.0	1.2	21.5	4784	65	21.9	75.3	1.1	3.2	<8	1.4	6.5	<0.1	0.4	0.3	<0.02	<0.3	<0.05	<0.02	0.05
REP 1320312	QC																				
1320313	Drill Core	39.7	2.2	78.6	1882	67	14.6	95.3	3.2	11.1	<8	1.6	18.4	2.5	4.5	8.2	0.80	3.2	0.70	0.12	0.54
REP 1320313	QC	39.0	3.1	80.0	1884	64	12.7	90.1	2.9	15.2	<8	2.0	17.4	2.5	3.9	8.2	0.68	3.4	0.53	0.10	0.51
1320317	Drill Core	34.1	3.3	74.8	2410	65	11.4	80.6	2.8	9.4	8	1.3	22.9	0.3	1.4	0.6	0.03	0.4	<0.05	<0.02	<0.05
REP 1320317	QC																				
1320603	Drill Core	12.9	2.4	8.8	598.9	7	54.0	1.9	15.9	6.9	<8	1.6	45.2	14.5	16.3	30.7	3.70	14.3	2.72	0.30	2.75
REP 1320603	QC	12.7	2.1	8.9	586.8	9	52.3	2.0	17.5	6.5	<8	1.2	47.4	14.8	17.5	35.2	3.99	16.0	3.37	0.31	3.26
1320605	Drill Core	13.4	2.4	7.8	178.8	3	53.5	2.2	15.8	6.2	<8	0.8	48.2	13.4	16.0	31.6	3.56	13.9	2.79	0.37	3.01
REP 1320605	QC																				
1320618	Drill Core	15.6	2.6	11.5	496.2	7	14.8	5.6	15.7	9.5	<8	2.1	42.7	19.4	10.7	20.6	2.46	11.5	2.57	0.07	3.06
REP 1320618	QC																				
1320623	Rock	2.9	<0.1	1.8	4.9	3	84.4	<0.1	0.2	0.2	21	<0.5	3.0	1.8	1.8	1.7	0.26	1.2	0.24	0.04	0.37

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Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	7PF	7PF	8X	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn		
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm		
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1		
1320265	Drill Core	0.05	0.31	0.06	0.24	0.03	0.19	0.02	<0.02	<0.02	0.06	0.28		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320302	Drill Core	<0.01	<0.05	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.46		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320610	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.03	<0.02	<0.01	0.08		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1320660	Rock	0.04	0.17	0.05	0.12	0.02	0.09	0.02	11.95	<0.02	<0.01	<0.01		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
Pulp Duplicates																						
REP G1-TIM	QC											<0.01										
1320262	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.08	<0.02	<0.01	1.10	I.S.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320262	QC	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01														
1320264	Rock Pulp	0.15	0.76	0.09	0.42	0.06	0.37	0.06	<0.02	<0.02	<0.01	<0.01		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320264	QC											<0.02	<0.02									
1320277	Drill Core	0.06	0.42	0.09	0.26	0.05	0.29	0.05	<0.02	<0.02	0.02	0.65		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320277	QC											0.65										
1320282	Drill Core	0.06	0.27	0.05	0.27	0.02	0.13	0.04	<0.02	<0.02	0.04	0.43		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320282	QC											0.04										
1320299	Drill Core	0.01	0.06	<0.02	0.05	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.61		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320299	QC											<0.02	<0.02									
1320312	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	1.02	2.15	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320312	QC											1.06										
1320313	Drill Core	0.11	0.40	0.06	0.14	0.01	0.13	0.02	<0.02	<0.02	0.11	0.21		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320313	QC	0.08	0.42	0.04	0.10	<0.01	0.15	0.02														
1320317	Drill Core	0.01	0.06	<0.02	<0.03	<0.01	0.06	<0.01	<0.02	<0.02	0.07	0.28		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320317	QC											0.08										
1320603	Drill Core	0.42	2.39	0.51	1.56	0.22	1.60	0.23	<0.02	0.31	<0.01	0.06		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320603	QC	0.45	2.67	0.53	1.38	0.22	1.60	0.22														
1320605	Drill Core	0.42	2.80	0.50	1.50	0.26	1.43	0.23	<0.02	0.28	0.03	0.04		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320605	QC											<0.02	0.27									
1320618	Drill Core	0.49	3.28	0.64	1.92	0.29	2.17	0.32	<0.02	0.04	<0.01	0.03		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP 1320618	QC											0.04										
1320623	Rock	0.04	0.19	0.08	0.09	0.02	0.16	0.01	11.62	<0.02	<0.01	<0.01		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	



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Project: PAK  
 Report Date: June 18, 2013

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# QUALITY CONTROL REPORT

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Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na
Unit	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%
MDL	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001
1320265	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320302	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320610	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320660	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Pulp Duplicates																				
REP G1-TIM	QC																			
1320262	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320262	QC																			
1320264	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320264	QC																			
1320277	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320277	QC																			
1320282	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320282	QC																			
1320299	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320299	QC																			
1320312	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320312	QC																			
1320313	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320313	QC																			
1320317	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320317	QC																			
1320603	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320603	QC																			
1320605	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320605	QC																			
1320618	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320618	QC																			
1320623	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.





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Project: PAK  
 Report Date: June 18, 2013

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# QUALITY CONTROL REPORT

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Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In
Unit	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02
1320265	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320302	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320610	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320660	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Pulp Duplicates																				
REP G1-TIM	QC																			
1320262	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320262	QC																			
1320264	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320264	QC																			
1320277	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320277	QC																			
1320282	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320282	QC																			
1320299	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320299	QC																			
1320312	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320312	QC																			
1320313	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320313	QC																			
1320317	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320317	QC																			
1320603	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320603	QC																			
1320605	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320605	QC																			
1320618	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320618	QC																			
1320623	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.



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 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

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## QUALITY CONTROL REPORT

TIM13000018.1

Method	1F30	1F30	1F30	1F30	1F30
Analyte	Re	Be	Li	Pd	Pt
Unit	ppb	ppm	ppm	ppb	ppb
MDL	1	0.1	0.1	10	2
1320265	Drill Core	N.A.	N.A.	N.A.	N.A.
1320302	Drill Core	N.A.	N.A.	N.A.	N.A.
1320610	Rock Pulp	N.A.	N.A.	N.A.	N.A.
1320660	Rock	N.A.	N.A.	N.A.	N.A.
Pulp Duplicates					
REP G1-TIM	QC				
1320262	Rock Pulp	N.A.	N.A.	N.A.	N.A.
REP 1320262	QC				
1320264	Rock Pulp	N.A.	N.A.	N.A.	N.A.
REP 1320264	QC				
1320277	Drill Core	N.A.	N.A.	N.A.	N.A.
REP 1320277	QC				
1320282	Drill Core	N.A.	N.A.	N.A.	N.A.
REP 1320282	QC				
1320299	Drill Core	N.A.	N.A.	N.A.	N.A.
REP 1320299	QC				
1320312	Rock Pulp	N.A.	N.A.	N.A.	N.A.
REP 1320312	QC				
1320313	Drill Core	N.A.	N.A.	N.A.	N.A.
REP 1320313	QC				
1320317	Drill Core	N.A.	N.A.	N.A.	N.A.
REP 1320317	QC				
1320603	Drill Core	N.A.	N.A.	N.A.	N.A.
REP 1320603	QC				
1320605	Drill Core	N.A.	N.A.	N.A.	N.A.
REP 1320605	QC				
1320618	Drill Core	N.A.	N.A.	N.A.	N.A.
REP 1320618	QC				
1320623	Rock	N.A.	N.A.	N.A.	N.A.

# QUALITY CONTROL REPORT

TIM13000018.1

		WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs
		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm
		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1
REP 1320623	QC																				
1320653	Drill Core	1.22	72.86	16.92	0.42	0.03	0.10	2.21	6.53	<0.01	0.15	0.03	<0.002	<20	<1	0.6	99.85	41	124	0.7	727.4
REP 1320653	QC																				
1320666	Drill Core	1.00	76.35	17.08	0.56	0.03	0.19	2.61	2.13	<0.01	0.20	0.08	<0.002	<20	<1	0.7	99.93	3	92	0.5	151.9
REP 1320666	QC																				
1320671	Drill Core	1.01	75.41	14.07	0.94	0.02	0.40	4.02	3.66	<0.01	0.29	0.17	<0.002	<20	1	0.8	99.78	65	159	0.7	384.3
REP 1320671	QC																				
1320672	Rock Pulp	0.05	71.17	18.51	0.39	0.05	0.19	2.19	4.07	<0.01	0.28	0.03	0.032	32	1	1.1	98.00	14	33	0.7	>10000
REP 1320672	QC																				
1320680	Drill Core	1.08	76.27	13.38	1.30	0.02	0.65	3.14	4.32	<0.01	0.05	0.08	<0.002	<20	3	0.6	99.82	205	9	<0.2	524.7
REP 1320680	QC		76.34	13.42	1.17	0.02	0.65	3.12	4.34	<0.01	0.07	0.08	<0.002	<20	3	0.6	99.82	199	10	<0.2	525.5
1320547	Drill Core	0.99	77.97	12.12	1.16	0.02	0.54	3.41	3.64	<0.01	0.10	0.10	<0.002	<20	2	0.8	99.86	185	9	<0.2	355.3
REP 1320547	QC																				
Core Reject Duplicates																					
1320258	Drill Core	2.21	74.76	14.48	0.51	0.02	0.17	2.58	6.27	<0.01	0.30	0.11	<0.002	<20	<1	0.5	99.71	44	299	<0.2	768.2
DUP 1320258	QC	N.A.	74.73	14.45	0.49	0.02	0.16	2.60	6.34	<0.01	0.29	0.11	<0.002	<20	<1	0.5	99.70	43	325	<0.2	754.2
1320292	Drill Core	1.79	79.54	17.13	0.38	0.04	0.05	0.73	0.25	<0.01	0.07	0.03	<0.002	27	<1	1.7	99.91	2	12	0.2	117.0
DUP 1320292	QC	N.A.	79.32	17.35	0.28	0.03	0.04	0.94	0.21	<0.01	0.04	0.04	0.002	<20	<1	1.7	99.94	<1	5	0.3	103.0
1320326	Drill Core	1.93	73.71	16.12	0.50	0.03	0.27	6.86	1.21	<0.01	0.37	0.16	<0.002	<20	<1	0.6	99.84	1	133	0.7	101.5
DUP 1320326	QC	N.A.	73.64	16.26	0.50	0.03	0.28	6.76	1.21	<0.01	0.38	0.16	<0.002	<20	<1	0.6	99.81	2	161	0.8	102.0
1320631	Drill Core	2.26	75.61	13.75	1.07	0.02	0.60	3.79	4.47	<0.01	<0.01	0.09	0.002	<20	3	0.5	99.90	8	2	0.5	28.5
DUP 1320631	QC	N.A.	75.33	13.94	1.05	0.02	0.61	3.95	4.48	<0.01	<0.01	0.09	<0.002	<20	3	0.5	99.98	7	4	<0.2	28.6
1320678	Drill Core	0.94	75.93	13.32	1.31	0.02	0.69	3.31	4.77	0.01	0.02	0.06	<0.002	<20	3	0.4	99.85	257	6	0.3	234.3
DUP 1320678	QC	N.A.	76.59	12.87	1.38	0.02	0.67	3.16	4.66	0.01	0.03	0.06	<0.002	<20	3	0.4	99.86	244	3	<0.2	237.4
Reference Materials																					
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				

# QUALITY CONTROL REPORT

TIM13000018.1

		4A-4B Ga ppm 0.5	4A-4B Hf ppm 0.1	4A-4B Nb ppm 0.1	4A-4B Rb ppm 0.1	4A-4B Sn ppm 1	4A-4B Sr ppm 0.5	4A-4B Ta ppm 0.1	4A-4B Th ppm 0.2	4A-4B U ppm 0.1	4A-4B V ppm 8	4A-4B W ppm 0.5	4A-4B Zr ppm 0.1	4A-4B Y ppm 0.1	4A-4B La ppm 0.1	4A-4B Ce ppm 0.1	4A-4B Pr ppm 0.02	4A-4B Nd ppm 0.3	4A-4B Sm ppm 0.05	4A-4B Eu ppm 0.02	4A-4B Gd ppm 0.05	
REP 1320623	QC																					
1320653	Drill Core	26.0	2.5	40.7	3725	62	10.0	129.8	0.7	4.1	<8	1.3	16.6	1.1	0.7	0.5	0.07	<0.3	0.06	<0.02	0.09	
REP 1320653	QC																					
1320666	Drill Core	30.6	1.7	28.9	2076	100	9.0	43.3	2.8	3.0	<8	1.5	8.0	0.3	0.6	0.7	0.06	<0.3	<0.05	0.02	0.07	
REP 1320666	QC																					
1320671	Drill Core	33.5	2.5	52.7	2662	73	19.7	90.5	8.3	7.3	<8	2.0	27.1	6.1	5.0	10.4	1.14	4.7	0.96	0.12	1.07	
REP 1320671	QC																					
1320672	Rock Pulp	57.2	1.0	23.8	5116	62	21.2	78.2	1.1	3.5	<8	1.7	6.9	<0.1	0.3	0.2	0.02	1.1	<0.05	<0.02	<0.05	
REP 1320672	QC																					
1320680	Drill Core	14.6	3.1	10.1	1699	25	49.0	2.9	19.2	7.4	8	5.5	57.0	20.4	15.1	32.9	3.60	12.4	3.07	0.23	3.21	
REP 1320680	QC	15.4	2.6	10.7	1672	23	47.1	3.1	15.9	6.3	9	5.8	56.7	18.0	13.4	29.2	3.31	12.2	2.69	0.26	2.82	
1320547	Drill Core	16.1	2.3	10.4	755.9	17	46.7	4.2	12.7	4.4	<8	1.7	44.5	13.1	12.3	26.3	2.94	8.8	2.16	0.24	2.28	
REP 1320547	QC																					
Core Reject Duplicates																						
1320258	Drill Core	35.3	1.5	58.6	6229	76	9.7	105.8	4.1	3.6	<8	2.5	10.5	0.8	0.9	1.7	0.16	0.9	0.12	0.02	0.10	
DUP 1320258	QC	35.2	1.9	56.3	6241	93	9.3	109.7	4.0	3.6	<8	2.6	11.4	1.1	0.7	1.6	0.17	0.8	0.13	0.04	0.14	
1320292	Drill Core	17.9	0.6	14.4	330.7	18	4.7	43.3	0.9	1.2	<8	0.8	4.3	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
DUP 1320292	QC	18.4	1.1	18.3	284.6	26	4.5	35.6	1.1	2.3	<8	1.0	5.1	0.1	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05	
1320326	Drill Core	36.0	2.0	64.8	1209	69	8.0	104.0	4.7	5.2	<8	1.3	13.0	3.5	9.8	19.2	1.79	7.3	1.24	0.28	1.37	
DUP 1320326	QC	34.5	1.6	66.0	1189	56	7.6	113.1	4.6	5.7	<8	2.3	11.7	3.7	9.5	18.6	1.72	5.2	1.28	0.27	1.15	
1320631	Drill Core	18.7	2.7	11.0	219.6	5	14.4	2.2	13.6	7.9	17	1.5	37.1	22.5	9.8	21.7	2.63	13.1	3.16	0.12	3.66	
DUP 1320631	QC	15.4	2.5	9.7	212.9	3	14.0	2.2	14.2	8.1	<8	1.5	40.4	24.3	11.4	24.7	2.96	11.8	3.66	0.08	4.00	
1320678	Drill Core	14.4	1.7	10.2	434.9	6	61.8	1.5	15.4	5.2	<8	2.3	45.3	14.9	16.8	32.7	3.68	13.7	3.14	0.35	2.93	
DUP 1320678	QC	13.7	2.1	10.4	447.0	6	59.5	1.5	16.2	5.4	<8	1.8	52.0	14.2	17.9	36.8	4.05	15.6	3.21	0.40	2.95	
Reference Materials																						
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					



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Project: PAK  
 Report Date: June 18, 2013

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# QUALITY CONTROL REPORT

TIM13000018.1

		4A-4B Tb ppm 0.01	4A-4B Dy ppm 0.05	4A-4B Ho ppm 0.02	4A-4B Er ppm 0.03	4A-4B Tm ppm 0.01	4A-4B Yb ppm 0.05	4A-4B 2A Lu ppm 0.01	Leco 2A TOT/C % 0.02	Leco TOT/S % 0.02	7PF B % 0.01	7PF Li % 0.01	8X Cs % 0.01	1F30 Mo ppm 0.01	1F30 Cu ppm 0.01	1F30 Pb ppm 0.01	1F30 Zn ppm 0.1	1F30 Ag ppb 2	1F30 Ni ppm 0.1	1F30 Co ppm 0.1	1F30 Mn ppm 1
REP 1320623	QC	<0.01																			
1320653	Drill Core	0.01	0.11	0.03	0.06	0.01	0.06	0.01	<0.02	<0.02	0.02	0.60		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320653	QC	<0.02 <0.02																			
1320666	Drill Core	<0.01	0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.10		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320666	QC	1.09																			
1320671	Drill Core	0.16	1.05	0.18	0.55	0.08	0.49	0.07	0.02	<0.02	0.09	0.16		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320671	QC	0.10																			
1320672	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.07	<0.02	<0.01	1.06	2.13	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320672	QC	2.14																			
1320680	Drill Core	0.50	2.88	0.69	2.11	0.31	2.14	0.30	<0.02	0.11	0.08	0.14		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320680	QC	0.45	2.87	0.53	1.72	0.25	1.72	0.26													
1320547	Drill Core	0.35	2.23	0.41	1.28	0.17	1.42	0.16	<0.02	0.12	0.05	0.09		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320547	QC	0.08																			
Core Reject Duplicates																					
1320258	Drill Core	0.01	0.12	<0.02	0.05	<0.01	0.06	<0.01	<0.02	<0.02	0.07	0.25		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320258	QC	0.02	0.11	<0.02	0.08	<0.01	0.07	<0.01	<0.02	<0.02	0.07	0.25		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320292	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.84		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320292	QC	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.76		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320326	Drill Core	0.14	0.58	0.10	0.21	0.02	0.11	0.01	<0.02	<0.02	0.05	0.30		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320326	QC	0.15	0.50	0.08	0.16	0.02	0.15	0.01	<0.02	<0.02	0.05	0.29		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320631	Drill Core	0.62	3.89	0.82	2.19	0.34	2.07	0.30	<0.02	0.25	<0.01	0.04		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320631	QC	0.61	3.98	0.71	2.05	0.32	2.35	0.30	<0.02	0.24	<0.01	0.04		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320678	Drill Core	0.39	2.52	0.44	1.38	0.20	1.43	0.19	<0.02	<0.02	<0.01	0.11		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320678	QC	0.41	2.50	0.53	1.37	0.22	1.34	0.22	<0.02	<0.02	0.01	0.11		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Reference Materials																					
STD 183	Standard											1.87									
STD 183	Standard											1.84									
STD 183	Standard											1.82									
STD 183	Standard											1.78									



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Project: PAK  
 Report Date: June 18, 2013

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# QUALITY CONTROL REPORT

TIM13000018.1

		1F30 Fe %	1F30 As ppm	1F30 U ppm	1F30 Au ppb	1F30 Th ppm	1F30 Sr ppm	1F30 Cd ppm	1F30 Sb ppm	1F30 Bi ppm	1F30 V ppm	1F30 Ca %	1F30 P %	1F30 La ppm	1F30 Cr ppm	1F30 Mg %	1F30 Ba ppm	1F30 Ti %	1F30 B ppm	1F30 Al %	1F30 Na %
REP 1320623	QC	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001
1320653	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320653	QC																				
1320666	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320666	QC																				
1320671	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320671	QC																				
1320672	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320672	QC																				
1320680	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320680	QC																				
1320547	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320547	QC																				
Core Reject Duplicates																					
1320258	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320258	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320292	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320292	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320326	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320326	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320631	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320631	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320678	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320678	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Reference Materials																					
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				



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Client: **Houston Lake Mining**  
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Project: PAK  
 Report Date: June 18, 2013

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Part: 5 of 1

# QUALITY CONTROL REPORT

TIM13000018.1

		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30		
		K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	
		%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	
REP 1320623	QC																					
1320653	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320653	QC																					
1320666	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320666	QC																					
1320671	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320671	QC																					
1320672	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320672	QC																					
1320680	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320680	QC																					
1320547	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320547	QC																					
Core Reject Duplicates																						
1320258	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320258	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320292	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320292	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320326	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320326	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320631	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320631	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1320678	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320678	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Reference Materials																						
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					

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**Client:** **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

**Project:** PAK  
**Report Date:** June 18, 2013

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**Part:** 6 of 1

## QUALITY CONTROL REPORT

TIM13000018.1

		1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2
REP 1320623	QC					
1320653	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320653	QC					
1320666	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320666	QC					
1320671	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320671	QC					
1320672	Rock Pulp	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320672	QC					
1320680	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320680	QC					
1320547	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1320547	QC					
Core Reject Duplicates						
1320258	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320258	QC	N.A.	N.A.	N.A.	N.A.	N.A.
1320292	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320292	QC	N.A.	N.A.	N.A.	N.A.	N.A.
1320326	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320326	QC	N.A.	N.A.	N.A.	N.A.	N.A.
1320631	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320631	QC	N.A.	N.A.	N.A.	N.A.	N.A.
1320678	Drill Core	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1320678	QC	N.A.	N.A.	N.A.	N.A.	N.A.
Reference Materials						
STD 183	Standard					
STD 183	Standard					
STD 183	Standard					
STD 183	Standard					



**QUALITY CONTROL REPORT**

**TIM13000018.1**

	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
STD 183	Standard																				
STD DS9	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD LI-1	Standard																				
STD LI-1	Standard																				
STD LI-1	Standard																				
STD LI-1	Standard																				
STD LIBF	Standard																				
STD LIBF	Standard																				
STD LIBF	Standard																				
STD LIBF	Standard																				
STD LIBF	Standard																				
STD LIBF	Standard																				
STD LIBF	Standard																				
STD LIBF	Standard																				
STD LIBF	Standard																				
STD LIBF	Standard																				
STD OREAS72B	Standard																				
STD OXC109	Standard																				

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Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

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Part: 2 of 1

# QUALITY CONTROL REPORT

TIM13000018.1

		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B		
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
STD 183	Standard																					
STD DS9	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD OREAS72B	Standard																					
STD OXC109	Standard																					

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Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

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Part: 3 of 1

# QUALITY CONTROL REPORT

TIM13000018.1

		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	7PF	7PF	8X	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	
		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	
STD 183	Standard										1.88											
STD DS9	Standard													15.24	119.2	130.9	320.9	1775	44.1	8.3	605	
STD GS311-1	Standard								0.96	2.39												
STD GS311-1	Standard								0.93	2.36												
STD GS311-1	Standard								0.93	2.42												
STD GS311-1	Standard								0.97	2.46												
STD GS311-1	Standard								0.93	2.32												
STD GS910-4	Standard								2.67	8.41												
STD GS910-4	Standard								2.58	8.31												
STD GS910-4	Standard								2.58	8.57												
STD GS910-4	Standard								2.65	8.50												
STD GS910-4	Standard								2.55	8.38												
STD LI-1	Standard										1.48											
STD LI-1	Standard										1.54											
STD LI-1	Standard										1.52											
STD LI-1	Standard										1.54											
STD LI-1	Standard										1.56											
STD LIBF	Standard										4.01											
STD LIBF	Standard										3.97											
STD LIBF	Standard										4.14											
STD LIBF	Standard										4.07											
STD LIBF	Standard										4.02											
STD LIBF	Standard										3.99											
STD LIBF	Standard										4.23											
STD LIBF	Standard										4.19											
STD LIBF	Standard										4.34											
STD LIBF	Standard										4.52											
STD OREAS72B	Standard										<0.01											
STD OXC109	Standard													1.70	40.53	11.75	37.8	22	84.0	22.0	473	



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Client: **Houston Lake Mining**  
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 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

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# QUALITY CONTROL REPORT

TIM13000018.1

		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30		
		Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	
		%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	
		0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	
STD 183	Standard																					
STD DS9	Standard	2.43	26.0	2.8	121.6	6.2	81.6	2.34	6.66	7.02	41	0.76	0.082	15.5	121.8	0.63	308.4	0.128	2	0.99	0.086	
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
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STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD LI-1	Standard																					
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STD LI-1	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LIBF	Standard																					
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STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD OREAS72B	Standard																					
STD OXC109	Standard	2.98	<0.1	0.7	208.7	1.6	158.0	0.05	0.07	0.23	50	0.75	0.103	14.0	60.5	1.44	54.5	0.426	<1	1.59	0.718	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Acme Analytical Laboratories (Vancouver) Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

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Part: 5 of 1

# QUALITY CONTROL REPORT

TIM13000018.1

		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30		
		K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	
		%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	
STD 183	Standard																					
STD DS9	Standard	0.41	3.2	2.3	5.09	0.18	204	6.1	4.97	4.8	2.41	0.1	0.08	1.50	34.6	6.4	<0.05	2.0	6.58	28.8	2.26	
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD LI-1	Standard																					
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STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD OREAS72B	Standard																					
STD OXC109	Standard	0.42	0.2	0.7	0.02	<0.02	<5	<0.1	<0.02	5.2	0.17	<0.1	0.35	1.02	13.7	1.1	<0.05	21.8	4.13	24.3	<0.02	

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 PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

**Project:** PAK  
**Report Date:** June 18, 2013

**Page:** 3 of 5

**Part:** 6 of 1

## QUALITY CONTROL REPORT

TIM13000018.1

		1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2
STD 183	Standard					
STD DS9	Standard	65	5.2	25.7	123	321
STD GS311-1	Standard					
STD GS311-1	Standard					
STD GS311-1	Standard					
STD GS311-1	Standard					
STD GS311-1	Standard					
STD GS910-4	Standard					
STD GS910-4	Standard					
STD GS910-4	Standard					
STD GS910-4	Standard					
STD GS910-4	Standard					
STD LI-1	Standard					
STD LI-1	Standard					
STD LI-1	Standard					
STD LI-1	Standard					
STD LIBF	Standard					
STD LIBF	Standard					
STD LIBF	Standard					
STD LIBF	Standard					
STD LIBF	Standard					
STD LIBF	Standard					
STD LIBF	Standard					
STD LIBF	Standard					
STD LIBF	Standard					
STD LIBF	Standard					
STD LIBF	Standard					
STD OREAS72B	Standard					
STD OXC109	Standard	1	0.5	2.2	<10	4

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Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

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Part: 1 of 1

# QUALITY CONTROL REPORT

TIM13000018.1

	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
STD SO-18	Standard	58.16	14.09	7.61	3.36	6.37	3.63	2.18	0.68	0.80	0.40	0.545	36	23	1.9	99.74	523	<1	25.2	7.6	
STD SO-18	Standard	58.32	14.08	7.58	3.36	6.39	3.59	2.15	0.68	0.77	0.40	0.543	34	22	1.9	99.76	483	2	23.2	6.5	
STD SO-18	Standard	58.47	14.09	7.44	3.34	6.34	3.63	2.13	0.69	0.77	0.39	0.548	41	23	1.9	99.75	476	1	24.2	6.6	
STD SO-18	Standard	58.64	13.95	7.43	3.35	6.29	3.65	2.13	0.68	0.77	0.39	0.540	47	24	1.9	99.75	483	<1	25.9	7.5	
STD SO-18	Standard	58.14	14.12	7.61	3.37	6.36	3.65	2.11	0.69	0.83	0.40	0.555	37	23	1.9	99.75	516	<1	23.8	8.1	
STD SO-18	Standard	57.87	14.29	7.60	3.37	6.39	3.72	2.13	0.69	0.84	0.39	0.557	46	24	1.9	99.77	512	<1	24.7	8.1	
STD SO-18	Standard	57.86	14.13	7.69	3.35	6.40	3.73	2.22	0.68	0.82	0.40	0.550	31	23	1.9	99.75	507	1	25.1	7.4	
STD SO-18	Standard	58.24	14.06	7.51	3.32	6.36	3.69	2.20	0.68	0.82	0.40	0.543	44	23	1.9	99.73	497	<1	25.2	8.3	
STD SO-18	Standard	58.51	14.06	7.52	3.35	6.34	3.57	2.09	0.68	0.80	0.39	0.550	31	23	1.9	99.76	491	<1	24.7	8.1	
STD SO-18	Standard	58.39	14.01	7.69	3.32	6.31	3.59	2.10	0.68	0.81	0.40	0.551	54	23	1.9	99.76	483	1	24.3	7.0	
STD SO-18	Standard	58.18	14.15	7.62	3.43	6.37	3.61	2.10	0.69	0.75	0.40	0.547	34	24	1.9	99.76	498	5	23.8	6.9	
STD SO-18	Standard	57.85	14.22	7.73	3.47	6.48	3.56	2.11	0.70	0.76	0.40	0.548	57	23	1.9	99.73	506	1	26.2	7.1	
STD SO-18	Standard	58.12	14.03	7.70	3.44	6.29	3.66	2.16	0.68	0.80	0.40	0.545	26	24	1.9	99.73	507	2	26.7	6.8	
STD SO-18	Standard	58.44	14.02	7.48	3.36	6.34	3.66	2.11	0.68	0.79	0.39	0.540	31	23	1.9	99.73	506	2	24.7	6.8	
STD SO-18	Standard	58.08	14.14	7.63	3.42	6.40	3.61	2.12	0.69	0.79	0.40	0.552	50	23	1.9	99.75	526	<1	26.5	8.4	
STD SO-18	Standard	58.28	14.11	7.54	3.38	6.43	3.64	2.09	0.69	0.78	0.39	0.537	51	23	1.9	99.76	503	1	24.3	7.4	
STD SO-18	Standard	58.56	14.15	7.39	3.32	6.34	3.57	2.08	0.68	0.79	0.40	0.546	44	23	1.9	99.74	526	1	25.5	9.0	
STD SO-18	Standard	58.34	14.05	7.58	3.36	6.31	3.63	2.15	0.69	0.78	0.40	0.545	37	24	1.9	99.74	499	<1	24.4	6.6	
STD SO-18	Standard	58.43	14.11	7.51	3.34	6.33	3.58	2.12	0.69	0.79	0.40	0.545	37	24	1.9	99.75	495	<1	24.3	6.9	
STD SY-4(D)	Standard																				
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD 183 Expected																					
STD LI-1 Expected																					
STD DS9 Expected																					
STD OXC109 Expected																					
STD SO-18 Expected		58.47	14.23	7.67	3.35	6.42	3.71	2.17	0.69	0.83	0.39	0.55	44	25			514		26.2	7.1	
BLK	Blank																				
BLK	Blank																				



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Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

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# QUALITY CONTROL REPORT

TIM13000018.1

		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
STD SO-18	Standard	15.9	8.4	19.5	27.8	14	405.1	6.6	9.7	15.2	204	14.1	275.9	27.8	13.0	27.1	3.19	12.0	2.74	0.85	3.06
STD SO-18	Standard	15.6	8.1	18.0	27.8	14	385.6	8.2	9.3	15.3	186	13.3	271.7	28.4	11.8	25.4	3.17	12.9	2.76	0.87	2.99
STD SO-18	Standard	15.8	8.4	19.6	25.3	13	400.1	6.7	9.7	14.6	190	12.0	269.6	28.8	12.1	24.0	3.11	12.9	2.61	0.89	2.72
STD SO-18	Standard	15.8	9.0	18.4	27.7	13	387.1	5.9	10.1	15.4	183	16.6	275.1	28.0	12.4	25.6	3.20	11.1	2.66	0.82	3.06
STD SO-18	Standard	16.7	9.5	18.8	27.2	14	387.8	8.2	9.3	15.4	189	13.2	272.3	29.5	13.1	27.7	3.29	15.7	3.05	0.85	3.20
STD SO-18	Standard	15.9	9.9	19.6	27.1	14	392.5	6.5	9.8	15.7	178	15.5	280.3	29.7	12.5	26.7	3.30	15.0	2.97	0.89	3.16
STD SO-18	Standard	16.7	9.0	19.3	28.1	14	404.4	6.5	9.5	15.7	198	13.1	284.5	28.5	12.6	26.9	3.31	12.2	2.97	0.86	2.93
STD SO-18	Standard	16.3	8.9	19.0	27.9	14	400.3	6.3	9.3	15.3	191	14.0	279.9	29.2	12.4	26.3	3.22	14.1	2.77	0.88	3.19
STD SO-18	Standard	16.7	8.9	19.4	27.0	13	401.3	6.8	9.2	15.5	184	14.6	276.0	28.9	11.8	25.8	3.24	15.5	2.65	0.85	2.93
STD SO-18	Standard	16.8	8.7	19.1	25.9	13	377.3	7.1	9.1	15.1	180	13.7	262.4	28.8	11.5	25.4	3.16	13.1	2.57	0.83	2.88
STD SO-18	Standard	17.0	10.0	20.0	28.4	15	401.1	5.9	9.1	15.6	204	15.1	281.9	27.4	12.8	27.6	3.24	14.1	3.01	0.82	3.00
STD SO-18	Standard	18.8	10.1	20.3	29.1	17	408.2	6.9	9.8	16.7	212	14.1	291.0	32.4	13.4	28.6	3.60	14.3	3.06	0.84	2.95
STD SO-18	Standard	17.8	8.8	18.3	27.2	14	426.2	6.1	9.8	16.2	197	15.7	292.4	31.7	11.5	27.7	3.25	15.0	2.96	0.83	2.93
STD SO-18	Standard	17.1	9.5	18.2	27.8	15	420.3	6.0	9.7	15.3	207	16.2	289.6	32.9	12.5	27.8	3.22	13.9	2.85	0.85	3.12
STD SO-18	Standard	18.2	9.4	19.0	28.8	13	424.5	7.8	10.3	15.1	207	13.1	295.9	33.9	12.4	28.6	3.43	14.4	2.70	0.96	3.11
STD SO-18	Standard	16.9	9.2	20.2	28.6	16	401.6	6.6	10.1	15.8	206	15.7	278.2	29.5	11.5	27.4	3.11	13.7	2.93	0.82	2.70
STD SO-18	Standard	16.9	9.0	19.2	27.3	15	436.5	7.2	10.0	16.1	216	11.7	295.3	31.9	12.5	27.2	3.32	14.5	2.71	0.83	3.29
STD SO-18	Standard	16.4	9.2	19.1	25.7	13	394.1	6.1	9.6	14.6	189	15.7	274.4	29.9	11.8	26.9	3.29	12.3	2.70	0.83	2.77
STD SO-18	Standard	17.3	8.5	19.3	26.5	13	401.4	6.5	9.2	13.8	186	14.2	275.8	29.9	11.9	27.1	3.25	12.0	2.85	0.84	3.01
STD SY-4(D)	Standard																				
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD 183 Expected																					
STD LI-1 Expected																					
STD DS9 Expected																					
STD OXC109 Expected																					
STD SO-18 Expected		17.6	9.8	21.3	28.7	15	407.4	7.4	9.9	16.4	200	14.8	280	31	12.3	27.1	3.45	14	3	0.89	2.93
BLK	Blank																				
BLK	Blank																				





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Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

Page: 4 of 5

Part: 3 of 1

# QUALITY CONTROL REPORT

TIM13000018.1

		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	7PF	7PF	8X	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm
		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1
STD SO-18	Standard	0.46	2.77	0.54	1.75	0.27	1.66	0.28													
STD SO-18	Standard	0.44	2.90	0.51	1.67	0.23	1.59	0.23													
STD SO-18	Standard	0.44	2.69	0.59	1.77	0.23	1.54	0.24													
STD SO-18	Standard	0.44	2.91	0.59	1.60	0.26	1.76	0.26													
STD SO-18	Standard	0.46	3.00	0.55	1.62	0.24	1.54	0.27													
STD SO-18	Standard	0.46	2.92	0.60	1.86	0.26	1.54	0.27													
STD SO-18	Standard	0.43	2.83	0.54	1.69	0.25	1.75	0.22													
STD SO-18	Standard	0.45	3.04	0.57	1.61	0.26	1.48	0.22													
STD SO-18	Standard	0.47	2.72	0.66	1.60	0.27	1.68	0.27													
STD SO-18	Standard	0.48	2.87	0.57	1.64	0.23	1.64	0.25													
STD SO-18	Standard	0.47	3.18	0.58	1.79	0.26	1.60	0.28													
STD SO-18	Standard	0.49	3.10	0.68	1.84	0.29	1.68	0.27													
STD SO-18	Standard	0.47	2.50	0.58	1.83	0.23	1.80	0.26													
STD SO-18	Standard	0.46	2.85	0.65	1.72	0.29	1.72	0.25													
STD SO-18	Standard	0.48	2.61	0.65	1.80	0.28	1.65	0.32													
STD SO-18	Standard	0.47	2.66	0.64	1.73	0.27	1.53	0.27													
STD SO-18	Standard	0.47	2.60	0.65	1.78	0.26	1.93	0.26													
STD SO-18	Standard	0.44	2.84	0.52	1.71	0.25	1.68	0.26													
STD SO-18	Standard	0.45	2.82	0.56	1.69	0.25	1.72	0.23													
STD SY-4(D)	Standard																				<0.01
STD GS311-1 Expected									1.02	2.35											
STD GS910-4 Expected									2.65	8.27											
STD 183 Expected													1.91402								
STD LI-1 Expected													1.53								
STD DS9 Expected														12.84	108	126	317	1830	40.3	7.6	575
STD OXC109 Expected																					
STD SO-18 Expected		0.53	3	0.62	1.84	0.27	1.79	0.27													
BLK	Blank								<0.02	<0.02											
BLK	Blank								<0.02	<0.02											



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 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

Page: 4 of 5

Part: 4 of 1

# QUALITY CONTROL REPORT

TIM13000018.1

		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30		
		Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	
		%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	
		0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	
STD SO-18	Standard																					
STD SO-18	Standard																					
STD SO-18	Standard																					
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STD SO-18	Standard																					
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STD SO-18	Standard																					
STD SO-18	Standard																					
STD SO-18	Standard																					
STD SO-18	Standard																					
STD SY-4(D)	Standard																					
STD GS311-1 Expected																						
STD GS910-4 Expected																						
STD 183 Expected																						
STD LI-1 Expected																						
STD DS9 Expected		2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	
STD OXC109 Expected					201																	
STD SO-18 Expected																						
BLK	Blank																					
BLK	Blank																					

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

## QUALITY CONTROL REPORT

TIM13000018.1

		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30		
		K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	
		%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	
STD SO-18	Standard																					
STD SO-18	Standard																					
STD SO-18	Standard																					
STD SO-18	Standard																					
STD SO-18	Standard																					
STD SO-18	Standard																					
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STD SO-18	Standard																					
STD SO-18	Standard																					
STD SO-18	Standard																					
STD SO-18	Standard																					
STD SO-18	Standard																					
STD SY-4(D)	Standard																					
STD GS311-1 Expected																						
STD GS910-4 Expected																						
STD 183 Expected																						
STD LI-1 Expected																						
STD DS9 Expected		0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59	2.37	0.1	0.08	1.33	33.8	6.4	0.004	2	5.97	25.4	2.2	
STD OXC109 Expected																						
STD SO-18 Expected																						
BLK	Blank																					
BLK	Blank																					



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Acme Analytical Laboratories (Vancouver) Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

Page: 4 of 5

Part: 6 of 1

## QUALITY CONTROL REPORT

TIM13000018.1

		1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SY-4(D)	Standard					
STD GS311-1 Expected						
STD GS910-4 Expected						
STD 183 Expected						
STD LI-1 Expected						
STD DS9 Expected		61	5.4	25.2	120	350
STD OXC109 Expected						
STD SO-18 Expected						
BLK	Blank					
BLK	Blank					

# QUALITY CONTROL REPORT

TIM13000018.1

	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	1.2	
BLK	Blank																				
BLK	Blank	0.27	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	0.27	<1	<1	0.4	0.7	
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	<0.1	
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	0.18	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	0.18	<1	<1	<0.2	<0.1	
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	0.3	
BLK	Blank	0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	4.0	
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	<0.1	
Prep Wash																					
G1-TIM	Prep Blank	67.26	15.74	3.27	1.01	3.30	3.48	3.88	0.37	0.19	0.09	0.003	<20	5	1.1	99.69	1019	5	3.3	6.0	
G1-TIM	Prep Blank	66.64	15.94	3.56	1.18	3.38	3.52	4.11	0.41	0.22	0.10	0.004	<20	6	0.6	99.66	1260	4	4.4	7.7	
G1-TIM	Prep Blank																				



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 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

Page: 5 of 5

Part: 2 of 1

# QUALITY CONTROL REPORT

TIM13000018.1

		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B		
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank	<0.5	<0.1	<0.1	1.9	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.4	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
BLK	Blank																					
BLK	Blank	0.5	<0.1	<0.1	1.0	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.5	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
BLK	Blank	<0.5	<0.1	0.1	<0.1	1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.2	<0.1	0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05	
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank	<0.5	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.2	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank	<0.5	<0.1	<0.1	0.7	<1	<0.5	0.6	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
BLK	Blank	<0.5	<0.1	0.2	<0.1	<1	<0.5	0.1	<0.2	<0.1	<8	<0.5	0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
BLK	Blank	<0.5	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	0.6	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
Prep Wash																						
G1-TIM	Prep Blank	17.7	3.6	23.7	133.0	1	727.2	1.5	9.5	2.8	50	<0.5	136.1	16.1	28.8	57.2	6.44	23.9	4.06	1.03	3.57	
G1-TIM	Prep Blank	18.3	3.9	26.8	131.3	2	742.0	1.7	10.8	3.6	54	<0.5	142.1	17.8	37.4	74.2	7.85	29.8	4.84	1.20	3.89	
G1-TIM	Prep Blank																					

**QUALITY CONTROL REPORT**

TIM13000018.1

		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B 2A	Leco 2A	Leco	7PF	7PF	8X	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30		
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn		
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm		
		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1		
BLK	Blank								<0.02	<0.02													
BLK	Blank								<0.02	<0.02													
BLK	Blank								<0.02	<0.02													
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01															
BLK	Blank											<0.01											
BLK	Blank											<0.01											
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01															
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01															
BLK	Blank											<0.01											
BLK	Blank											<0.01											
BLK	Blank											<0.01											
BLK	Blank										<0.01												
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01															
BLK	Blank											<0.01											
BLK	Blank											<0.01											
BLK	Blank											<0.01											
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01															
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01							<0.01	<0.01	0.02	<0.1	4	<0.1	<0.1	<1	
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01															
	Prep Wash																						
G1-TIM	Prep Blank	0.45	2.52	0.58	1.56	0.27	1.90	0.27	<0.02	<0.02		<0.01		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
G1-TIM	Prep Blank	0.51	2.88	0.59	1.65	0.27	1.83	0.30	<0.02	<0.02	<0.01	<0.01		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
G1-TIM	Prep Blank										<0.01												

## QUALITY CONTROL REPORT

TIM13000018.1

		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
		Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na
		%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%
		0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001
BLK	Blank																				
BLK	Blank																				
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BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	0.2	<0.1	0.4	<0.1	<0.5	<0.01	<0.02	0.04	<2	<0.01	<0.001	<0.5	0.8	<0.01	<0.5	<0.001	<1	<0.01	<0.001
BLK	Blank																				
Prep Wash																					
G1-TIM	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
G1-TIM	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
G1-TIM	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Acme Analytical Laboratories (Vancouver) Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

Page: 5 of 5

Part: 5 of 1

# QUALITY CONTROL REPORT

TIM13000018.1

		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
		K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In
		%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
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BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02
BLK	Blank																				
Prep Wash																					
G1-TIM	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
G1-TIM	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
G1-TIM	Prep Blank																				

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Acme Analytical Laboratories (Vancouver) Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 18, 2013

Page: 5 of 5

Part: 6 of 1

QUALITY CONTROL REPORT

TIM13000018.1

		1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2
BLK	Blank					
BLK	Blank					
BLK	Blank					
BLK	Blank					
BLK	Blank					
BLK	Blank					
BLK	Blank					
BLK	Blank					
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BLK	Blank					
BLK	Blank					
BLK	Blank					
BLK	Blank					
BLK	Blank					
BLK	Blank					
BLK	Blank					
BLK	Blank					
BLK	Blank	<1	<0.1	<0.1	<10	<2
BLK	Blank					
Prep Wash						
G1-TIM	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.
G1-TIM	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.
G1-TIM	Prep Blank					

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Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: Houston Lake Mining
2892 White St.
Val Caron ON P3N 1B2 CANADA

Submitted By: Trevor Walker
Receiving Lab: Canada-Timmins
Received: June 24, 2013
Report Date: July 08, 2013
Page: 1 of 6

CERTIFICATE OF ANALYSIS

TIM13000018S.1

CLIENT JOB INFORMATION

Project: PAK
Shipment ID:
P.O. Number
Number of Samples: 150

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Procedure Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Row 1: 8X, 149, X-Ray fluorescence / Fusion from Siemens, Completed, VAN

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Houston Lake Mining
2892 White St.
Val Caron ON P3N 1B2
CANADA

CC: Garth Drever
Steve Beyer



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Acme Analytical Laboratories (Vancouver) Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: July 08, 2013

Page: 2 of 6

Part: 1 of 1

# CERTIFICATE OF ANALYSIS

TIM13000018S.1

Method	8X	8X	8X	
Analyte	Cs	Rb	Ta	
Unit	%	%	ppm	
MDL	0.01	0.01	10	
1320249	Drill Core	0.06	0.50	82
1320250	Rock Pulp	<0.01	<0.01	<10
1320251	Drill Core	0.06	0.79	49
1320252	Rock Pulp	I.S.	I.S.	I.S.
1320253	Drill Core	0.07	0.92	33
1320254	Drill Core	0.08	0.41	106
1320255	Drill Core	0.06	0.36	156
1320256	Drill Core	0.07	0.74	82
1320257	Drill Core	0.07	0.94	74
1320258	Drill Core	0.08	0.62	115
1320259	Drill Core	0.07	0.71	25
1320260	Drill Core	0.07	0.98	33
1320261	Drill Core	0.05	0.45	123
1320262	Rock Pulp	2.10	0.54	82
1320263	Drill Core	0.04	0.44	98
1320264	Rock Pulp	<0.01	<0.01	<10
1320265	Drill Core	0.07	0.51	115
1320266	Drill Core	0.06	0.31	180
1320267	Drill Core	<0.01	0.03	254
1320268	Drill Core	<0.01	0.06	180
1320269	Drill Core	0.03	0.14	205
1320270	Drill Core	0.02	0.09	147
1320271	Drill Core	0.04	0.21	188
1320272	Drill Core	0.03	0.11	33
1320273	Drill Core	0.02	0.09	57
1320274	Rock Pulp	0.08	0.27	2391
1320275	Drill Core	0.05	0.25	123
1320276	Rock Pulp	0.61	0.68	74
1320277	Drill Core	0.03	0.25	25
1320278	Drill Core	0.06	0.52	49



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 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: July 08, 2013

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Part: 1 of 1

## CERTIFICATE OF ANALYSIS

TIM13000018S.1

Method	8X	8X	8X	
Analyte	Cs	Rb	Ta	
Unit	%	%	ppm	
MDL	0.01	0.01	10	
1320279	Drill Core	0.08	0.73	41
1320280	Drill Core	0.04	0.17	57
1320281	Drill Core	0.06	0.33	66
1320282	Drill Core	0.06	0.21	117
1320283	Drill Core	0.08	0.33	22
1320284	Drill Core	0.06	0.22	149
1320285	Drill Core	0.03	0.13	59
1320286	Rock Pulp	<0.01	<0.01	<10
1320287	Drill Core	0.04	0.19	37
1320288	Rock Pulp	0.08	0.27	2284
1320289	Drill Core	0.03	0.08	55
1320290	Drill Core	0.04	0.11	72
1320291	Drill Core	0.02	0.04	32
1320292	Drill Core	0.02	0.03	27
1320293	Drill Core	0.02	0.03	29
1320294	Drill Core	0.01	0.03	45
1320295	Drill Core	0.05	0.29	72
1320296	Drill Core	0.03	0.11	113
1320297	Drill Core	0.02	0.07	26
1320298	Rock Pulp	3.96	0.45	60
1320299	Drill Core	0.04	0.21	48
1320300	Rock Pulp	<0.01	<0.01	<10
1320301	Drill Core	0.07	0.40	53
1320302	Drill Core	0.05	0.17	29
1320303	Drill Core	0.04	0.21	29
1320304	Drill Core	0.07	0.38	84
1320305	Drill Core	0.06	0.42	61
1320306	Drill Core	0.05	0.15	238
1320307	Drill Core	0.02	0.04	154
1320308	Drill Core	0.04	0.21	64



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Project: PAK  
 Report Date: July 08, 2013

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Part: 1 of 1

## CERTIFICATE OF ANALYSIS

TIM13000018S.1

Method	8X	8X	8X	
Analyte	Cs	Rb	Ta	
Unit	%	%	ppm	
MDL	0.01	0.01	10	
1320309	Drill Core	0.05	0.20	134
1320310	Rock Pulp	0.08	0.28	2359
1320311	Drill Core	0.06	0.46	38
1320312	Rock Pulp	2.06	0.55	82
1320313	Drill Core	0.02	0.20	97
1320314	Drill Core	0.02	0.20	168
1320315	Drill Core	0.08	0.20	20
1320316	Drill Core	0.03	0.33	70
1320317	Drill Core	0.03	0.28	76
1320318	Drill Core	0.02	0.29	75
1320319	Drill Core	0.02	0.31	57
1320320	Drill Core	0.03	0.49	44
1320321	Drill Core	0.03	0.48	42
1320322	Rock	<0.01	<0.01	<10
1320323	Drill Core	0.02	0.36	29
1320324	Rock Pulp	0.09	0.28	2390
1320325	Drill Core	0.02	0.24	46
1320326	Drill Core	0.01	0.13	101
1320327	Drill Core	0.01	0.19	40
1320328	Drill Core	0.03	0.13	28
1320329	Drill Core	<0.01	<0.01	<10
1320330	Drill Core	<0.01	<0.01	11
1320331	Drill Core	<0.01	<0.01	<10
1320603	Drill Core	0.02	0.07	<10
1320604	Drill Core	0.01	0.02	13
1320605	Drill Core	0.01	0.02	<10
1320606	Drill Core	0.02	0.03	<10
1320607	Drill Core	0.02	0.03	11
1320608	Rock	<0.01	<0.01	<10
1320609	Drill Core	0.02	0.02	<10



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Project: PAK  
 Report Date: July 08, 2013

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Part: 1 of 1

## CERTIFICATE OF ANALYSIS

TIM13000018S.1

Method	8X	8X	8X	
Analyte	Cs	Rb	Ta	
Unit	%	%	ppm	
MDL	0.01	0.01	10	
1320610	Rock Pulp	0.09	0.28	2353
1320611	Drill Core	0.03	0.15	<10
1320612	Drill Core	0.01	0.09	<10
1320613	Drill Core	0.01	0.02	<10
1320614	Drill Core	0.01	0.05	<10
1320615	Drill Core	0.01	0.03	<10
1320616	Drill Core	<0.01	0.02	<10
1320617	Drill Core	<0.01	0.03	<10
1320618	Drill Core	0.01	0.06	<10
1320619	Drill Core	<0.01	0.02	<10
1320620	Drill Core	<0.01	0.02	<10
1320621	Rock Pulp	0.64	0.73	73
1320622	Drill Core	0.01	0.03	<10
1320623	Rock	<0.01	<0.01	<10
1320624	Drill Core	0.01	0.03	11
1320625	Drill Core	<0.01	0.02	12
1320626	Drill Core	<0.01	0.03	<10
1320627	Drill Core	<0.01	0.02	11
1320628	Drill Core	<0.01	0.02	<10
1320629	Drill Core	<0.01	0.03	11
1320630	Drill Core	<0.01	0.03	12
1320631	Drill Core	<0.01	0.02	<10
1320632	Drill Core	<0.01	0.02	<10
1320633	Drill Core	<0.01	0.03	<10
1320634	Rock Pulp	0.08	0.28	2352
1320635	Drill Core	0.02	0.15	34
1320636	Rock Pulp	4.06	0.45	75
1320637	Drill Core	0.03	0.21	33
1320651	Drill Core	0.07	0.87	54
1320652	Drill Core	0.09	0.74	92



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Project: PAK  
 Report Date: July 08, 2013

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## CERTIFICATE OF ANALYSIS

TIM13000018S.1

Method	8X	8X	8X	
Analyte	Cs	Rb	Ta	
Unit	%	%	ppm	
MDL	0.01	0.01	10	
1320653	Drill Core	0.07	0.39	144
1320654	Drill Core	0.04	0.15	113
1320655	Drill Core	0.05	0.19	99
1320656	Drill Core	0.03	0.05	11
1320657	Drill Core	0.09	0.43	145
1320658	Drill Core	0.05	0.06	50
1320659	Drill Core	0.03	0.24	73
1320660	Rock	<0.01	<0.01	<10
1320661	Drill Core	0.02	0.22	55
1320662	Rock Pulp	7.98	0.43	61
1320663	Drill Core	0.04	0.37	147
1320664	Drill Core	0.04	0.25	43
1320665	Drill Core	0.06	0.44	25
1320666	Drill Core	0.02	0.25	57
1320667	Drill Core	0.02	0.25	29
1320668	Drill Core	0.05	0.43	69
1320669	Drill Core	0.02	0.09	121
1320670	Drill Core	0.07	0.33	41
1320671	Drill Core	0.05	0.29	105
1320672	Rock Pulp	2.03	0.55	78
1320673	Drill Core	0.05	0.18	139
1320674	Rock	<0.01	<0.01	<10
1320675	Drill Core	0.03	0.14	109
1320676	Drill Core	0.03	0.08	18
1320677	Drill Core	0.11	0.15	<10
1320678	Drill Core	0.03	0.05	10
1320679	Drill Core	0.02	0.04	<10
1320680	Drill Core	0.06	0.18	<10
1320681	Drill Core	<0.01	0.02	<10
1320547	Drill Core	0.04	0.08	<10



## QUALITY CONTROL REPORT

TIM13000018S.1

Method		8X	8X	8X
Analyte		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
Pulp Duplicates				
1320279	Drill Core	0.08	0.73	41
REP 1320279	QC	0.08	0.72	33
1320314	Drill Core	0.02	0.20	168
REP 1320314	QC	0.02	0.20	158
1320620	Drill Core	<0.01	0.02	<10
REP 1320620	QC	<0.01	0.02	<10
1320626	Drill Core	<0.01	0.03	<10
REP 1320626	QC	<0.01	0.03	<10
1320674	Rock	<0.01	<0.01	<10
REP 1320674	QC	<0.01	<0.01	<10
Core Reject Duplicates				
1320258	Drill Core	0.08	0.62	115
DUP 1320258	QC	0.08	0.63	106
1320292	Drill Core	0.02	0.03	27
DUP 1320292	QC	0.02	0.03	33
1320326	Drill Core	0.01	0.13	101
DUP 1320326	QC	0.02	0.13	120
1320631	Drill Core	<0.01	0.02	<10
DUP 1320631	QC	0.01	0.02	<10
1320678	Drill Core	0.03	0.05	10
DUP 1320678	QC	0.03	0.05	<10
Reference Materials				
STD MICA-FE(D)	Standard	0.02	0.21	16
STD MICA-FE(D)	Standard	0.02	0.21	21
STD MICA-FE(D)	Standard	0.02	0.21	20
STD MICA-FE(D)	Standard	0.02	0.21	11
STD MICA-FE(D)	Standard	0.01	0.20	16
STD OREAS72B	Standard	<0.01	<0.01	38

## QUALITY CONTROL REPORT

TIM13000018S.1

		8X Cs %	8X Rb %	8X Ta ppm
		0.01	0.01	10
STD OREAS72B	Standard	<0.01	<0.01	60
STD OREAS72B	Standard	<0.01	<0.01	45
STD OREAS72B	Standard	<0.01	<0.01	49
STD OREAS72B	Standard	<0.01	<0.01	49
STD TAN-1(D)	Standard	0.08	0.28	2414
STD TAN-1(D)	Standard	0.08	0.28	2410
STD TAN-1(D)	Standard	0.08	0.28	2357
STD TAN-1(D)	Standard	0.09	0.28	2397
STD TAN-1(D)	Standard	0.08	0.27	2400
STD VS-N(D)	Standard	0.10	0.08	639
STD VS-N(D)	Standard	0.10	0.08	653
STD VS-N(D)	Standard	0.10	0.08	641
STD VS-N(D)	Standard	0.10	0.08	649
STD VS-N(D)	Standard	0.09	0.08	541
STD TAN-1(D) Expected				2360
STD OREAS72B Expected				3.69
STD VS-N(D) Expected		0.0942		
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	14
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	<10
Prep Wash				
G1-TIM	Prep Blank	<0.01	0.02	<10
G1-TIM	Prep Blank	<0.01	0.02	<10



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9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
2892 White St.  
Val Caron ON P3N 1B2 CANADA

Submitted By: Trevor Walker  
Receiving Lab: Canada-Timmins  
Received: May 23, 2013  
Report Date: June 20, 2013  
Page: 1 of 7

## CERTIFICATE OF ANALYSIS

TIM13000019.1

### CLIENT JOB INFORMATION

Project: PAK  
Shipment ID:  
P.O. Number  
Number of Samples: 168

### SAMPLE DISPOSAL

RTRN-PLP Return  
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Houston Lake Mining  
2892 White St.  
Val Caron ON P3N 1B2  
CANADA

CC: Garth Drever  
Steve Beyer

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	150	Crush, split and pulverize 250 g rock to 200 mesh			TIM
4AB2	167	Whole Rock Analysis Majors and Trace Elements	0.2	Completed	VAN
7PF1	167	Fusion digestion (Na2O2) to 100 mL, analyzed by ICP-ES.	0.25	Completed	VAN
7PF1	167	Na2O2 fusion, analysis by ICP-ES	0.25	Completed	VAN
8X	7	X-Ray fluorescence / Fusion from Siemens		Completed	VAN

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Client: **Houston Lake Mining**  
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 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 20, 2013

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Part: 1 of 1

# CERTIFICATE OF ANALYSIS

TIM13000019.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320332	Drill Core	2.13	76.06	15.87	0.61	0.08	0.20	3.10	2.57	<0.01	0.18	0.13	<0.002	<20	<1	1.1	99.89	9	70	0.4	81.0
1320333	Drill Core	2.25	73.76	16.48	0.41	0.03	0.35	4.92	2.76	<0.01	0.28	0.09	<0.002	<20	<1	0.8	99.85	4	94	0.2	143.3
1320334	Rock Pulp	0.05	67.95	21.15	0.26	0.04	0.16	1.80	2.85	<0.01	0.25	0.03	0.017	<20	1	1.7	96.17	12	28	0.2	>10000
1320335	Drill Core	1.29	77.09	16.56	0.53	0.03	0.20	2.68	1.93	<0.01	0.17	0.07	<0.002	<20	<1	0.6	99.86	5	77	1.5	141.1
1320336	Rock	0.32	5.76	0.17	0.09	1.68	51.48	<0.01	0.03	0.01	<0.01	0.01	<0.002	<20	<1	40.7	99.96	78	<1	0.4	0.4
1320337	Drill Core	1.97	74.06	16.38	0.58	0.12	0.19	1.17	6.35	<0.01	0.28	0.13	<0.002	<20	<1	0.6	99.89	31	46	<0.2	278.0
1320338	Drill Core	2.43	77.17	17.02	0.41	0.04	0.15	0.65	3.12	<0.01	0.21	0.10	<0.002	<20	<1	1.0	99.90	11	84	0.3	170.3
1320339	Drill Core	2.59	76.75	16.28	0.55	0.02	0.25	1.11	3.59	<0.01	0.28	0.08	<0.002	<20	<1	0.9	99.85	5	161	0.2	210.3
1320340	Drill Core	2.01	78.11	15.46	0.53	0.03	0.31	1.27	2.68	<0.01	0.29	0.09	<0.002	<20	<1	1.1	99.87	7	104	0.8	168.5
1320341	Drill Core	2.62	77.65	15.54	0.58	0.04	0.24	1.73	2.88	<0.01	0.27	0.11	<0.002	<20	<1	0.8	99.86	10	84	0.3	193.0
1320342	Drill Core	2.21	74.56	16.90	0.44	0.03	0.26	3.05	2.79	<0.01	0.28	0.08	<0.002	<20	<1	1.5	99.88	9	93	<0.2	173.7
1320343	Drill Core	2.27	75.51	16.28	0.55	0.03	0.33	3.96	2.17	<0.01	0.28	0.09	<0.002	<20	<1	0.7	99.88	6	68	0.4	122.6
1320344	Drill Core	2.11	74.43	15.99	0.58	0.02	0.43	4.16	2.89	<0.01	0.38	0.09	<0.002	<20	<1	0.9	99.84	4	134	<0.2	190.4
1320345	Drill Core	2.45	74.77	15.50	1.18	0.10	0.38	4.58	1.72	<0.01	0.28	0.14	<0.002	<20	1	1.1	99.75	16	98	0.8	130.6
1320346	Rock Pulp	0.05	74.73	15.05	0.40	0.02	0.38	6.04	1.73	0.02	0.40	0.05	<0.002	<20	3	0.6	99.44	8	158	0.4	693.1
1320347	Drill Core	2.29	75.28	14.28	1.27	0.21	0.49	2.85	3.05	<0.01	0.11	0.11	<0.002	<20	2	2.2	99.89	28	29	0.7	105.4
1320348	Rock Pulp	0.05	64.94	21.46	0.22	0.04	0.15	1.66	1.87	<0.01	0.26	0.03	0.014	<20	1	1.9	92.57	8	21	0.2	>10000
1320349	Drill Core	2.12	75.36	14.07	1.65	0.06	0.57	3.15	3.80	<0.01	0.05	0.06	<0.002	<20	3	1.1	99.89	19	11	0.4	170.2
1320350	Drill Core	2.79	74.45	14.40	1.93	0.07	0.83	3.62	2.71	<0.01	0.11	0.09	0.048	<20	3	1.6	99.83	49	36	0.3	167.6
1320351	Drill Core	1.37	74.30	15.73	0.64	0.05	0.37	6.75	0.91	<0.01	0.41	0.16	<0.002	<20	<1	0.5	99.83	6	108	0.5	135.6
1320352	Drill Core	2.65	78.13	17.07	0.52	0.17	0.15	1.23	1.22	<0.01	0.19	0.13	<0.002	28	<1	1.0	99.85	3	102	0.9	99.4
1320353	Drill Core	2.26	70.06	16.81	0.69	0.09	0.55	2.47	6.31	<0.01	0.72	0.84	<0.002	<20	<1	1.3	99.80	26	88	0.4	220.2
1320354	Drill Core	2.25	77.62	16.02	0.51	0.02	0.20	1.03	3.46	<0.01	0.21	0.08	<0.002	<20	<1	0.7	99.87	10	115	<0.2	174.6
1320355	Drill Core	2.52	73.45	16.57	0.73	0.03	0.27	0.55	4.72	<0.01	0.29	0.09	<0.002	<20	<1	3.2	99.86	15	95	<0.2	249.3
1320356	Drill Core	2.42	74.11	17.04	0.40	0.04	0.13	1.25	5.92	<0.01	0.19	0.04	<0.002	<20	<1	0.8	99.91	14	49	<0.2	208.5
1320357	Drill Core	1.18	76.28	16.94	0.58	0.03	0.25	1.70	3.17	<0.01	0.39	0.14	0.002	<20	<1	0.4	99.86	6	186	0.4	147.8
1320358	Rock	0.31	9.25	0.13	0.13	4.36	48.23	<0.01	<0.01	<0.01	<0.01	0.01	<0.002	<20	<1	37.9	99.97	13	<1	0.4	0.6
1320359	Drill Core	2.28	77.41	15.92	0.67	0.04	0.33	1.20	3.02	<0.01	0.41	0.16	<0.002	<20	<1	0.7	99.84	5	173	<0.2	187.6
1320360	Rock Pulp	0.05	74.85	15.04	0.38	0.02	0.37	5.96	1.75	0.02	0.40	0.05	<0.002	<20	3	0.6	99.43	9	157	0.4	715.7
1320361	Drill Core	2.74	78.75	16.05	0.59	0.04	0.26	1.00	2.11	<0.01	0.27	0.10	<0.002	<20	<1	0.6	99.78	3	193	0.8	173.7

# CERTIFICATE OF ANALYSIS

TIM13000019.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
1320332	Drill Core	29.6	3.0	34.3	2186	29	13.5	80.8	1.3	2.7	22	1.2	21.5	1.0	4.2	7.2	0.67	2.2	0.42	0.14	0.40
1320333	Drill Core	37.1	2.5	55.2	2760	184	15.3	87.0	3.7	5.2	18	1.8	16.7	0.8	1.5	3.1	0.31	0.8	0.16	0.05	0.24
1320334	Rock Pulp	57.0	1.1	20.5	3886	61	21.7	69.6	0.8	2.4	<8	0.9	7.7	<0.1	0.1	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
1320335	Drill Core	29.6	1.8	44.7	2101	103	10.0	67.5	3.2	2.7	10	1.7	9.6	0.3	0.4	0.5	0.04	<0.3	<0.05	<0.02	0.09
1320336	Rock	<0.5	0.1	1.1	7.9	<1	76.9	0.6	<0.2	<0.1	<8	<0.5	2.2	1.8	1.0	0.8	0.18	0.3	0.06	0.04	0.23
1320337	Drill Core	22.2	0.4	22.8	5367	21	9.7	23.8	1.6	1.5	<8	1.1	2.8	0.7	2.9	5.4	0.49	2.3	0.29	0.06	0.26
1320338	Drill Core	21.5	0.2	19.8	2719	17	5.7	21.7	0.7	1.4	<8	1.0	1.3	0.1	0.2	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
1320339	Drill Core	26.7	0.2	34.6	3655	32	8.6	46.7	1.0	1.6	<8	1.7	2.1	0.2	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320340	Drill Core	31.6	0.7	27.9	2840	56	7.9	46.1	1.4	2.2	<8	1.8	3.5	0.4	0.3	0.6	0.03	<0.3	<0.05	<0.02	<0.05
1320341	Drill Core	31.4	1.2	30.2	2885	72	8.8	73.7	1.8	1.9	<8	1.6	6.4	0.3	0.3	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
1320342	Drill Core	29.3	0.4	32.4	2554	30	9.8	36.2	0.9	2.1	<8	1.3	3.6	0.2	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320343	Drill Core	30.3	1.1	30.9	2067	38	9.1	62.1	1.3	2.1	<8	1.6	6.0	0.1	<0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320344	Drill Core	37.3	1.5	58.9	2810	49	13.3	71.8	2.6	6.4	<8	1.8	10.6	0.5	0.4	0.6	0.04	<0.3	0.07	<0.02	0.07
1320345	Drill Core	35.3	3.5	70.1	1443	760	15.3	104.4	3.4	8.1	<8	3.5	25.8	3.1	0.7	2.8	0.32	1.4	0.51	0.03	0.77
1320346	Rock Pulp	102.7	18.3	157.5	2473	750	26.5	2006	2.9	21.9	<8	3.8	50.2	0.1	<0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320347	Drill Core	19.5	1.5	15.8	1330	91	22.9	11.5	8.0	6.3	<8	3.4	20.7	16.6	6.1	15.5	1.86	7.0	2.83	0.08	3.29
1320348	Rock Pulp	50.0	1.0	16.6	3692	56	26.3	62.8	0.5	1.9	<8	2.5	5.4	<0.1	<0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320349	Drill Core	16.3	3.4	9.4	1255	40	35.5	6.2	28.0	7.2	<8	2.9	81.2	18.4	17.7	36.9	4.27	17.0	3.99	0.15	3.46
1320350	Drill Core	18.2	3.9	14.6	1193	45	57.8	9.9	27.7	6.8	<8	2.6	90.4	15.0	19.6	39.2	4.71	17.9	3.75	0.21	3.01
1320351	Drill Core	31.1	1.7	65.5	850.3	196	31.0	114.4	1.8	4.0	<8	1.8	9.9	1.4	0.9	1.7	0.13	0.8	0.13	0.07	0.29
1320352	Drill Core	23.4	0.3	34.1	1144	55	8.7	36.4	1.1	2.8	<8	1.1	4.0	0.7	1.9	3.1	0.32	0.6	0.24	0.04	0.22
1320353	Drill Core	28.9	1.4	48.4	4721	53	40.2	64.1	1.6	4.9	<8	1.7	11.2	18.7	148.7	280.7	28.38	96.8	18.80	2.90	14.54
1320354	Drill Core	24.3	0.8	37.0	2899	40	11.7	26.8	1.0	3.1	<8	1.4	6.8	0.5	0.8	0.5	0.04	<0.3	<0.05	<0.02	0.09
1320355	Drill Core	33.0	0.5	41.7	4259	70	8.7	25.0	1.0	3.4	<8	2.9	3.0	0.6	0.6	1.0	0.07	<0.3	<0.05	<0.02	0.06
1320356	Drill Core	21.5	0.6	27.2	4429	16	6.8	25.0	1.0	2.7	<8	0.8	4.6	0.4	0.5	0.9	0.07	0.5	<0.05	<0.02	0.05
1320357	Drill Core	22.6	0.3	42.0	2583	27	9.5	36.5	0.3	1.8	<8	1.0	1.4	0.3	0.1	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
1320358	Rock	<0.5	0.1	<0.1	10.4	<1	75.5	0.3	<0.2	<0.1	<8	<0.5	2.0	2.0	1.0	1.0	0.15	0.5	0.09	0.03	0.18
1320359	Drill Core	27.0	1.7	54.4	2658	45	16.3	44.7	1.3	5.8	<8	1.8	12.1	0.3	0.2	0.5	0.04	<0.3	<0.05	<0.02	<0.05
1320360	Rock Pulp	99.7	20.8	158.8	2452	747	27.2	2028	3.5	20.2	<8	3.6	55.3	<0.1	0.2	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320361	Drill Core	26.7	1.1	33.1	2079	404	6.5	50.7	2.2	4.5	<8	1.1	6.8	0.3	<0.1	0.2	<0.02	<0.3	<0.05	<0.02	0.06

# CERTIFICATE OF ANALYSIS

TIM13000019.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	7PF	7PF	8X	
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	
1320332	Drill Core	0.04	0.17	0.02	0.06	<0.01	<0.05	<0.01	0.03	<0.02	<0.01	0.68	
1320333	Drill Core	0.03	0.07	0.02	0.03	<0.01	0.05	<0.01	0.02	<0.02	0.03	0.40	
1320334	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	1.40	4.01
1320335	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.14	
1320336	Rock	0.04	0.25	0.04	0.13	0.01	0.07	0.01	11.64	<0.02	<0.01	<0.01	
1320337	Drill Core	0.03	0.13	<0.02	<0.03	<0.01	<0.05	<0.01	0.02	<0.02	<0.01	0.88	
1320338	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.03	<0.02	<0.01	1.69	
1320339	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.24	
1320340	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.02	
1320341	Drill Core	<0.01	0.05	<0.02	<0.03	<0.01	0.06	<0.01	<0.02	<0.02	0.01	1.01	
1320342	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.08	
1320343	Drill Core	<0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.81	
1320344	Drill Core	0.02	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.50	
1320345	Drill Core	0.11	0.61	0.10	0.17	0.02	0.18	0.02	<0.02	0.13	0.05	0.29	
1320346	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	<0.01	0.09	
1320347	Drill Core	0.52	2.90	0.51	1.38	0.21	1.30	0.20	<0.02	0.12	0.02	0.30	
1320348	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	0.07	<0.01	0.06	<0.02	<0.01	1.78	8.00
1320349	Drill Core	0.51	2.88	0.60	1.66	0.28	1.75	0.30	<0.02	0.19	0.05	0.06	
1320350	Drill Core	0.43	2.39	0.50	1.27	0.24	1.65	0.26	0.06	0.43	0.03	0.07	
1320351	Drill Core	0.03	0.23	0.03	0.07	<0.01	0.11	<0.01	<0.02	<0.02	0.05	0.23	
1320352	Drill Core	0.03	0.13	0.02	0.04	0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.68	
1320353	Drill Core	1.34	4.45	0.48	0.72	0.06	0.36	0.05	0.15	0.04	<0.01	0.62	
1320354	Drill Core	<0.01	0.06	<0.02	<0.03	<0.01	0.08	<0.01	<0.02	<0.02	0.01	1.28	
1320355	Drill Core	0.01	0.09	<0.02	0.04	<0.01	0.07	<0.01	<0.02	<0.02	0.01	1.14	
1320356	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.00	
1320357	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.33	
1320358	Rock	0.03	0.09	0.04	0.06	<0.01	0.12	0.01	10.58	<0.02	<0.01	<0.01	
1320359	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.28	
1320360	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	<0.01	0.10	
1320361	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	0.06	<0.01	<0.02	<0.02	0.03	1.42	

# CERTIFICATE OF ANALYSIS

TIM13000019.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320362	Drill Core	1.83	77.10	15.97	0.58	0.03	0.26	3.05	1.79	<0.01	0.32	0.17	<0.002	<20	<1	0.6	99.85	2	163	0.2	166.2
1320363	Drill Core	2.64	75.55	16.48	0.57	0.05	0.26	2.54	2.55	0.01	0.29	0.12	0.009	462	<1	0.8	99.23	4	121	9.2	177.6
1320364	Drill Core	2.28	72.92	15.98	0.50	0.03	0.44	3.05	5.42	<0.01	0.41	0.10	<0.002	<20	<1	1.0	99.83	12	168	0.6	307.6
1320365	Drill Core	1.95	75.28	14.91	0.63	0.08	1.60	1.35	3.40	<0.01	0.39	0.26	<0.002	<20	<1	2.0	99.92	11	70	0.6	229.8
1320366	Drill Core	2.37	77.72	15.44	0.50	0.05	0.29	1.30	3.56	<0.01	0.39	0.12	<0.002	<20	<1	0.6	99.93	11	83	<0.2	243.1
1320367	Drill Core	2.63	76.58	16.71	0.46	0.05	0.22	0.88	4.08	<0.01	0.30	0.10	<0.002	<20	<1	0.6	99.95	14	58	<0.2	232.5
1320368	Drill Core	2.52	79.63	16.64	0.48	0.04	0.09	0.38	0.84	<0.01	0.11	0.05	0.002	<20	<1	1.7	99.99	1	24	0.2	86.1
1320369	Drill Core	2.19	75.40	16.31	0.47	0.03	0.22	2.70	4.26	<0.01	0.28	0.09	<0.002	<20	<1	0.2	99.96	11	41	<0.2	251.0
1320370	Rock Pulp	0.05	71.09	18.88	0.56	0.06	0.20	2.22	4.03	<0.01	0.29	0.03	0.046	110	1	0.7	98.12	14	31	1.6	>10000
1320371	Drill Core	2.17	75.43	16.03	0.70	0.09	0.40	3.27	2.70	<0.01	0.34	0.15	<0.002	<20	<1	0.8	99.85	5	217	0.2	276.2
1320372	Rock	0.30	6.60	0.18	0.28	2.92	50.65	0.05	0.03	0.01	0.02	0.02	<0.002	<20	<1	39.2	99.93	43	<1	<0.2	1.4
1320373	Drill Core	2.08	73.24	16.45	0.78	0.05	0.40	3.84	3.49	<0.01	0.55	0.21	<0.002	<20	<1	0.8	99.81	8	282	0.2	290.8
1320374	Drill Core	2.80	78.97	15.62	0.58	0.04	0.33	0.65	2.88	<0.01	0.30	0.09	<0.002	<20	<1	0.4	99.88	13	161	<0.2	224.0
1320375	Drill Core	2.27	78.12	16.15	0.73	0.04	0.24	3.11	0.94	<0.01	0.29	0.12	<0.002	<20	<1	0.2	99.94	3	80	0.2	109.3
1320376	Drill Core	2.34	75.78	16.15	0.73	0.04	0.38	1.50	3.64	<0.01	0.43	0.11	<0.002	<20	<1	1.1	99.89	18	130	0.3	333.4
1320377	Drill Core	2.36	76.42	15.96	0.59	0.04	0.42	4.03	1.16	<0.01	0.44	0.09	<0.002	<20	<1	0.7	99.88	4	130	<0.2	330.8
1320378	Drill Core	2.20	76.02	15.12	0.72	0.05	0.38	2.11	4.29	<0.01	0.39	0.11	<0.002	<20	<1	0.7	99.89	14	140	<0.2	402.2
1320379	Drill Core	1.90	70.45	15.85	1.20	0.88	2.59	0.74	4.29	<0.01	0.22	0.15	<0.002	<20	<1	3.5	99.89	13	14	1.1	278.9
1320380	Drill Core	2.81	77.09	15.48	0.70	0.14	0.40	1.53	3.04	<0.01	0.44	0.22	<0.002	<20	<1	0.8	99.84	11	236	<0.2	346.8
1320381	Drill Core	2.27	75.29	16.23	0.64	0.03	0.27	1.68	4.76	<0.01	0.32	0.11	<0.002	<20	<1	0.6	99.90	14	85	0.3	455.7
1320382	Rock Pulp	0.05	76.07	16.86	0.91	0.04	0.26	0.99	3.64	<0.01	0.33	0.13	<0.002	<20	<1	0.7	99.88	6	107	0.3	429.4
1320383	Drill Core	0.99	76.84	16.58	0.57	0.03	0.25	0.96	3.52	<0.01	0.32	0.12	<0.002	<20	<1	0.7	99.89	5	72	0.3	403.0
1320384	Rock Pulp	0.05	72.91	15.76	0.41	0.05	0.24	2.81	5.60	<0.01	0.32	0.02	0.035	<20	1	1.2	99.40	14	37	0.4	534.7
1320385	Drill Core	2.34	71.92	16.72	0.62	0.02	0.29	4.17	4.82	<0.01	0.34	0.11	<0.002	<20	<1	0.9	99.88	3	139	<0.2	510.8
1320386	Drill Core	1.97	70.26	16.93	0.34	0.02	0.18	2.12	8.87	<0.01	0.26	0.05	<0.002	<20	<1	0.9	99.90	29	33	<0.2	725.2
1320387	Drill Core	2.06	78.27	14.89	0.62	0.04	0.42	1.12	2.94	<0.01	0.54	0.22	<0.002	<20	<1	0.8	99.86	8	171	<0.2	450.9
1320388	Drill Core	2.51	75.20	15.94	0.53	0.02	0.20	3.18	3.81	<0.01	0.31	0.12	<0.002	<20	<1	0.6	99.89	14	129	<0.2	425.3
1320389	Drill Core	1.93	72.91	16.71	0.49	0.03	0.20	2.42	6.01	<0.01	0.28	0.10	<0.002	<20	<1	0.8	99.91	18	83	<0.2	515.3
1320390	Drill Core	2.48	74.89	16.50	0.55	0.03	0.22	2.45	4.26	<0.01	0.24	0.11	<0.002	<20	<1	0.7	99.92	2	66	0.4	360.6
1320391	Drill Core	2.38	75.94	16.00	0.60	0.02	0.29	4.56	1.34	<0.01	0.30	0.11	<0.002	<20	<1	0.7	99.90	<1	154	0.3	172.4



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**Project:** PAK  
**Report Date:** June 20, 2013

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**Part:** 2 of 1

# CERTIFICATE OF ANALYSIS

# TIM13000019.1

Method Analyte	Unit MDL	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
1320362	Drill Core	28.1	0.5	46.2	1759	97	9.4	50.3	1.0	2.8	<8	1.1	3.8	0.2	0.6	0.4	<0.02	<0.3	<0.05	<0.02	<0.05
1320363	Drill Core	28.9	2.4	52.9	2302	137	9.2	99.4	1.5	3.9	<8	1.9	14.3	0.3	0.2	0.3	<0.02	<0.3	<0.05	<0.02	0.05
1320364	Drill Core	28.7	0.9	57.9	4551	42	16.0	66.7	1.5	3.6	<8	1.2	6.3	0.2	0.5	0.4	0.03	<0.3	<0.05	<0.02	<0.05
1320365	Drill Core	27.3	0.3	43.4	3102	51	14.1	34.4	1.0	3.3	<8	1.6	3.5	1.2	4.6	9.6	0.85	2.5	0.55	0.09	0.45
1320366	Drill Core	25.9	0.7	43.0	3134	55	11.9	35.3	1.1	4.0	<8	2.0	4.7	0.7	0.4	0.5	0.06	<0.3	<0.05	<0.02	0.06
1320367	Drill Core	20.2	0.1	31.9	3176	27	8.8	29.4	0.8	1.4	<8	0.7	0.9	0.4	0.3	0.5	0.03	<0.3	<0.05	<0.02	<0.05
1320368	Drill Core	18.5	<0.1	14.6	835.3	30	3.6	17.1	0.4	1.2	<8	0.8	0.9	<0.1	0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320369	Drill Core	25.1	0.7	41.8	3493	21	9.2	76.4	1.0	2.9	<8	1.1	3.8	0.8	2.4	4.5	0.35	1.1	0.26	0.07	0.29
1320370	Rock Pulp	56.5	1.7	22.8	4864	64	21.5	67.1	1.5	3.1	<8	1.1	10.0	<0.1	0.6	0.6	0.05	<0.3	0.06	<0.02	<0.05
1320371	Drill Core	32.2	2.1	64.0	2398	81	11.6	113.4	2.8	6.8	<8	1.8	15.8	1.9	9.2	17.8	1.59	6.0	0.93	0.22	0.84
1320372	Rock	<0.5	0.2	1.4	9.0	<1	87.2	0.5	<0.2	<0.1	<8	<0.5	2.7	2.7	1.7	2.3	0.25	0.8	0.16	0.04	0.32
1320373	Drill Core	32.2	1.0	80.7	3019	47	17.2	109.1	1.8	5.1	<8	2.7	8.0	3.0	15.1	24.9	2.37	8.8	1.38	0.29	1.36
1320374	Drill Core	27.9	0.9	51.1	2615	101	11.3	47.3	1.9	5.8	<8	2.2	8.1	0.6	0.7	0.9	0.07	0.3	<0.05	<0.02	0.08
1320375	Drill Core	26.1	1.0	40.8	891.5	34	7.8	88.6	1.3	2.9	<8	0.8	5.9	0.3	0.5	0.5	0.04	<0.3	<0.05	<0.02	<0.05
1320376	Drill Core	31.3	0.5	49.8	3326	70	13.3	42.7	1.5	5.0	<8	2.5	5.9	0.4	0.5	0.5	0.05	<0.3	0.08	<0.02	0.06
1320377	Drill Core	35.4	2.1	40.6	1370	76	16.3	82.6	3.0	7.8	<8	1.9	11.4	0.4	0.6	0.8	0.05	0.5	0.08	<0.02	<0.05
1320378	Drill Core	34.7	0.7	41.3	3624	82	10.3	44.2	0.7	2.1	<8	2.4	3.6	1.1	0.5	1.2	0.09	0.7	0.12	<0.02	0.14
1320379	Drill Core	20.1	0.2	16.9	3048	24	14.8	13.6	0.3	3.1	<8	1.1	0.9	12.0	5.7	10.3	1.09	3.5	0.94	0.14	1.45
1320380	Drill Core	32.3	0.9	52.8	2852	71	8.8	76.1	2.0	4.0	<8	2.1	6.1	3.6	10.7	20.0	2.03	6.6	1.48	0.20	1.38
1320381	Drill Core	33.0	1.8	44.7	4057	82	6.4	66.8	1.2	3.2	<8	2.5	8.4	1.7	0.6	1.1	0.09	0.4	0.23	<0.02	0.26
1320382	Rock Pulp	37.2	0.9	55.1	3308	109	5.8	55.7	1.6	4.0	<8	2.1	5.5	1.4	1.4	1.9	0.19	0.5	0.25	<0.02	0.30
1320383	Drill Core	34.2	2.1	52.3	3261	98	7.3	54.6	1.6	4.1	<8	2.4	12.3	1.3	0.6	1.4	0.12	0.8	0.29	<0.02	0.30
1320384	Rock Pulp	58.2	1.1	22.5	6644	52	22.0	64.1	0.9	3.3	<8	0.9	8.2	0.2	0.2	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
1320385	Drill Core	34.1	1.4	46.3	3860	35	9.2	66.6	1.1	4.0	<8	1.8	9.2	0.7	0.3	0.4	0.06	<0.3	0.11	<0.02	0.16
1320386	Drill Core	24.7	0.2	22.2	6617	15	9.7	38.4	0.6	1.9	<8	0.8	2.5	1.4	0.4	0.5	0.06	<0.3	0.17	<0.02	0.29
1320387	Drill Core	33.3	1.0	54.6	2827	68	10.2	61.9	1.4	2.8	<8	7.0	7.0	2.5	0.6	1.4	0.14	<0.3	0.24	<0.02	0.30
1320388	Drill Core	31.3	1.4	35.0	3083	55	9.7	84.0	1.1	4.6	<8	1.8	6.2	0.8	0.3	0.4	0.05	<0.3	0.12	<0.02	0.16
1320389	Drill Core	28.9	0.9	52.8	4641	46	8.1	61.7	1.4	7.1	<8	2.2	7.0	0.6	0.2	0.4	0.04	<0.3	0.19	<0.02	0.14
1320390	Drill Core	27.2	0.7	42.8	3491	45	6.0	49.0	0.9	4.1	<8	2.0	5.4	1.1	0.2	0.5	0.04	<0.3	0.21	<0.02	0.25
1320391	Drill Core	32.8	2.6	73.4	1336	41	10.0	98.1	2.4	12.5	<8	2.4	19.2	1.1	0.4	0.4	0.03	<0.3	0.18	<0.02	0.21

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.





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Project: PAK  
 Report Date: June 20, 2013

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Part: 3 of 1

# CERTIFICATE OF ANALYSIS

TIM13000019.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	7PF	7PF	8X	
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	
1320362	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.92	
1320363	Drill Core	<0.01	0.07	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.96	
1320364	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	0.06	<0.01	0.02	<0.02	0.02	0.42	
1320365	Drill Core	0.06	0.23	0.04	0.06	0.01	<0.05	<0.01	0.33	0.05	0.01	0.97	
1320366	Drill Core	0.02	0.13	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.04	
1320367	Drill Core	0.01	0.06	<0.02	0.03	<0.01	0.06	<0.01	<0.02	<0.02	<0.01	1.26	
1320368	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.85	
1320369	Drill Core	0.03	0.10	0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.75	
1320370	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.08	<0.02	<0.01	1.08	2.04
1320371	Drill Core	0.09	0.41	0.04	0.12	0.01	<0.05	<0.01	0.05	<0.02	0.02	0.75	
1320372	Rock	0.04	0.16	0.04	0.16	<0.01	0.09	0.02	11.28	<0.02	<0.01	<0.01	
1320373	Drill Core	0.14	0.56	0.07	0.08	0.01	0.06	<0.01	0.02	<0.02	0.04	0.57	
1320374	Drill Core	0.01	0.08	0.02	0.04	0.01	0.10	<0.01	<0.02	<0.02	0.02	1.26	
1320375	Drill Core	<0.01	<0.05	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	1.16	
1320376	Drill Core	0.01	0.06	0.02	0.06	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.98	
1320377	Drill Core	<0.01	0.05	<0.02	0.08	<0.01	<0.05	<0.01	0.04	<0.02	0.05	0.79	
1320378	Drill Core	0.03	0.14	0.02	0.06	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.58	
1320379	Drill Core	0.28	1.75	0.31	0.64	0.09	0.43	0.05	0.52	0.39	0.01	0.94	
1320380	Drill Core	0.14	0.60	0.07	0.22	0.03	0.10	0.01	0.04	<0.02	0.03	0.90	
1320381	Drill Core	0.06	0.15	<0.02	0.06	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	0.75	
1320382	Rock Pulp	0.07	0.36	0.03	0.06	0.01	<0.05	<0.01	<0.02	<0.02	0.05	1.11	
1320383	Drill Core	0.06	0.25	0.04	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	1.10	
1320384	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.08	<0.02	<0.01	0.43	
1320385	Drill Core	0.04	0.15	<0.02	<0.03	<0.01	0.06	<0.01	<0.02	<0.02	0.05	0.32	
1320386	Drill Core	0.06	0.26	<0.02	0.06	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.29	
1320387	Drill Core	0.09	0.44	0.05	0.10	0.01	0.10	0.01	<0.02	<0.02	0.02	0.95	
1320388	Drill Core	0.04	0.21	<0.02	0.04	<0.01	<0.05	<0.01	0.03	<0.02	0.02	0.64	
1320389	Drill Core	0.03	0.19	<0.02	0.06	<0.01	0.06	<0.01	<0.02	<0.02	0.02	0.53	
1320390	Drill Core	0.05	0.19	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.80	
1320391	Drill Core	0.05	0.16	0.03	0.09	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.68	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

# CERTIFICATE OF ANALYSIS

TIM13000019.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
Analyte	Wgt	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	MgO	CaO	Na <sub>2</sub> O	K <sub>2</sub> O	TiO <sub>2</sub>	P <sub>2</sub> O <sub>5</sub>	MnO	Cr <sub>2</sub> O <sub>3</sub>	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320392	Drill Core	2.33	72.99	16.43	0.60	0.01	0.39	7.64	0.80	<0.01	0.36	0.08	<0.002	<20	<1	0.6	99.92	<1	91	<0.2	92.9
1320393	Drill Core	2.18	74.14	16.24	0.54	0.02	0.36	4.24	3.46	<0.01	0.37	0.17	0.002	<20	<1	0.3	99.86	5	172	<0.2	425.6
1320394	Rock	0.41	7.16	0.13	0.17	3.75	48.99	0.06	<0.01	<0.01	0.02	0.02	<0.002	<20	<1	39.6	99.92	14	<1	<0.2	0.6
1320395	Drill Core	2.11	75.91	16.86	0.52	0.08	0.23	2.55	2.91	<0.01	0.25	0.10	<0.002	<20	<1	0.5	99.90	11	83	<0.2	445.5
1320396	Rock Pulp	0.05	74.86	14.70	0.37	0.03	0.38	5.88	1.72	0.02	0.38	0.05	<0.002	<20	3	1.1	99.49	7	157	0.4	715.6
1320397	Drill Core	2.30	73.64	16.01	0.70	0.13	0.29	3.76	3.89	<0.01	0.29	0.09	<0.002	<20	<1	1.1	99.86	7	113	<0.2	543.0
1320398	Drill Core	2.46	79.23	17.25	0.37	0.06	0.06	0.71	1.52	<0.01	0.16	0.03	<0.002	<20	<1	0.6	99.97	2	10	0.5	218.1
1320399	Drill Core	2.92	76.27	16.76	0.50	0.20	0.18	0.77	3.89	<0.01	0.21	0.10	<0.002	<20	<1	1.1	99.94	10	48	0.4	390.2
1320400	Drill Core	2.44	77.58	16.93	0.42	0.05	0.08	0.96	2.23	<0.01	0.19	0.05	0.007	36	<1	1.4	99.88	6	15	0.5	449.5
1320401	Drill Core	2.58	80.65	17.61	0.40	0.03	0.06	0.38	0.27	<0.01	0.11	0.03	<0.002	<20	<1	0.4	99.91	<1	17	<0.2	316.3
1320402	Drill Core	2.19	77.13	17.65	0.54	0.04	0.21	2.53	1.05	<0.01	0.22	0.09	<0.002	<20	<1	0.4	99.88	2	43	<0.2	274.4
1320403	Drill Core	2.37	78.39	16.73	0.49	0.04	0.20	1.44	1.41	<0.01	0.37	0.08	0.003	<20	<1	0.7	99.89	4	24	0.2	295.8
1320404	Drill Core	2.42	74.07	16.46	0.77	0.03	0.41	5.88	1.13	<0.01	0.42	0.15	<0.002	<20	<1	0.5	99.83	2	79	<0.2	239.7
1320405	Drill Core	2.20	72.63	16.73	0.90	0.03	0.36	5.57	2.44	<0.01	0.38	0.12	<0.002	<20	<1	0.7	99.82	5	113	<0.2	290.9
1320406	Rock Pulp	0.05	67.41	21.26	0.28	0.08	0.19	1.80	2.84	0.01	0.26	0.03	0.017	<20	2	1.9	96.08	13	25	0.3	>10000
1320407	Drill Core	1.00	73.34	16.74	0.93	0.04	0.33	6.83	0.66	<0.01	0.41	0.15	<0.002	<20	<1	0.4	99.81	1	159	<0.2	174.4
1320408	Rock	0.44	38.54	8.45	0.66	2.23	23.84	2.36	1.61	0.01	0.22	0.07	<0.002	<20	<1	21.9	99.87	39	39	<0.2	228.7
1320409	Drill Core	1.91	72.91	16.51	0.76	0.05	0.36	6.87	1.22	<0.01	0.33	0.13	0.003	<20	<1	0.7	99.86	5	73	<0.2	190.9
1320410	Drill Core	1.92	72.59	16.65	0.99	0.06	0.35	6.78	0.92	<0.01	0.36	0.14	0.005	<20	<1	1.0	99.83	3	126	<0.2	176.5
1320411	Drill Core	2.65	72.91	16.12	0.77	0.06	0.39	6.70	1.31	<0.01	0.45	0.21	<0.002	<20	<1	0.9	99.80	3	152	<0.2	225.4
1320412	Drill Core	2.59	75.84	15.97	0.59	0.02	0.32	4.00	1.53	<0.01	0.39	0.19	0.002	<20	<1	0.8	99.63	4	509	<0.2	437.0
1320413	Drill Core	2.28	72.10	16.06	0.49	0.01	0.50	5.79	3.14	<0.01	0.60	0.21	<0.002	<20	<1	0.8	99.69	12	179	<0.2	360.4
1320414	Drill Core	2.35	72.92	16.79	0.46	0.01	0.24	6.55	1.81	<0.01	0.32	0.15	<0.002	<20	<1	0.6	99.81	3	156	<0.2	265.2
1320415	Drill Core	2.53	70.74	16.77	0.48	<0.01	0.34	6.00	3.68	<0.01	0.51	0.23	<0.002	<20	<1	1.0	99.73	24	257	<0.2	403.4
1320416	Drill Core	2.52	70.02	14.69	1.06	<0.01	1.86	2.10	3.76	<0.01	3.05	1.60	<0.002	<20	<1	1.2	99.31	29	1042	<0.2	679.9
1320417	Drill Core	1.96	70.18	16.24	1.04	0.02	1.35	4.18	2.22	0.01	1.15	0.34	<0.002	<20	<1	1.5	98.24	16	3175	0.6	823.3
1320418	Rock Pulp	0.05	74.51	15.00	0.39	0.03	0.37	6.10	1.72	0.02	0.40	0.05	0.003	<20	3	0.8	99.40	8	176	<0.2	753.5
1320419	Drill Core	2.18	70.97	15.64	1.01	0.02	1.45	4.12	2.08	0.01	1.55	0.62	<0.002	<20	<1	1.5	99.00	5	1431	0.4	587.6
1320420	Rock Pulp	0.05	69.97	18.88	0.43	0.05	0.19	2.25	4.20	<0.01	0.29	0.03	0.035	49	1	1.5	97.86	14	36	0.6	>10000
1320421	Drill Core	2.10	71.41	16.92	0.75	0.01	0.53	6.29	1.83	<0.01	0.55	0.22	0.018	59	<1	1.0	99.52	6	624	1.5	372.2

# CERTIFICATE OF ANALYSIS

TIM13000019.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.05	
1320392	Drill Core	38.6	1.8	75.0	795.3	49	13.2	80.0	1.8	6.5	<8	2.2	13.0	1.2	0.3	0.6	0.05	<0.3	0.22	<0.02	0.29
1320393	Drill Core	34.4	2.0	79.5	2965	50	16.6	67.3	2.6	8.5	<8	1.5	17.0	1.4	2.5	4.2	0.45	1.9	0.45	0.04	0.29
1320394	Rock	<0.5	<0.1	0.5	4.0	<1	76.2	0.7	<0.2	<0.1	<8	<0.5	1.8	1.5	1.2	0.7	0.19	1.3	0.18	0.04	0.17
1320395	Drill Core	27.3	2.2	49.2	2487	64	13.8	83.4	1.8	4.4	<8	1.1	12.9	0.8	2.0	2.9	0.27	0.6	0.24	0.03	0.17
1320396	Rock Pulp	105.1	18.2	163.6	2473	805	28.4	1983	3.5	23.2	<8	3.3	46.2	<0.1	0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320397	Drill Core	33.2	1.9	61.6	3446	134	13.0	71.9	1.7	6.6	<8	1.5	15.8	0.5	1.0	1.0	0.07	<0.3	0.11	<0.02	0.08
1320398	Drill Core	16.3	0.5	9.4	1272	14	5.4	47.2	0.2	2.2	<8	<0.5	3.3	0.2	0.3	0.3	0.03	<0.3	<0.05	<0.02	<0.05
1320399	Drill Core	18.7	0.5	11.1	3097	19	10.2	35.2	0.5	0.9	<8	1.0	1.6	0.4	0.5	0.7	0.04	<0.3	<0.05	<0.02	0.07
1320400	Drill Core	22.3	0.9	20.5	1931	17	9.3	58.7	0.3	1.2	<8	0.7	5.1	0.3	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320401	Drill Core	17.8	0.3	24.0	368.5	13	2.2	45.2	0.3	0.9	<8	0.7	2.7	0.2	0.2	0.2	<0.02	<0.3	<0.05	<0.02	0.08
1320402	Drill Core	24.4	1.2	49.7	997.6	22	6.0	56.4	0.8	4.0	<8	1.6	8.5	0.4	0.4	0.3	0.02	<0.3	<0.05	<0.02	<0.05
1320403	Drill Core	25.1	2.3	39.3	1460	52	5.6	57.7	1.2	4.0	<8	1.4	17.0	0.6	0.3	0.4	0.03	<0.3	0.07	<0.02	0.11
1320404	Drill Core	35.9	5.3	114.3	1249	40	13.7	135.5	4.5	13.6	<8	2.9	42.8	1.8	1.0	1.3	0.13	0.4	0.12	<0.02	0.21
1320405	Drill Core	33.0	4.6	69.6	1958	39	9.1	86.9	3.4	12.9	<8	1.3	39.7	1.3	0.7	1.0	0.09	<0.3	0.10	<0.02	0.21
1320406	Rock Pulp	56.5	0.6	19.5	3959	59	24.3	72.5	1.3	2.8	<8	0.8	6.1	0.3	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320407	Drill Core	35.5	3.4	74.6	633.5	30	7.9	105.8	3.6	9.0	<8	1.4	25.7	1.2	0.9	1.1	0.10	<0.3	0.15	0.04	0.21
1320408	Rock	17.9	2.7	52.4	1427	11	44.9	59.3	1.4	8.6	<8	<0.5	21.3	2.5	1.1	1.8	0.19	0.8	0.26	0.04	0.43
1320409	Drill Core	37.3	4.7	71.6	1029	36	11.9	102.5	4.2	10.9	<8	1.7	35.2	1.7	1.2	1.4	0.13	0.6	0.16	0.05	0.22
1320410	Drill Core	36.6	5.6	71.4	769.7	42	8.2	93.7	4.5	18.4	<8	1.5	44.5	2.7	0.9	1.4	0.15	0.7	0.29	0.06	0.45
1320411	Drill Core	37.8	6.5	95.5	1162	74	15.3	96.5	4.0	16.9	<8	2.2	47.0	4.8	2.5	4.4	0.46	1.5	0.43	0.13	0.80
1320412	Drill Core	40.3	2.0	75.5	1829	248	11.3	123.4	3.3	11.8	<8	2.7	13.6	0.5	0.5	0.6	0.03	<0.3	<0.05	<0.02	0.07
1320413	Drill Core	37.2	4.0	102.9	2600	765	12.4	204.6	4.1	9.0	<8	1.6	22.6	1.5	0.7	1.1	0.09	0.5	0.12	0.03	0.20
1320414	Drill Core	38.5	3.5	92.4	1755	132	10.1	117.8	3.9	9.3	<8	2.3	23.1	0.5	0.5	0.5	0.03	<0.3	<0.05	<0.02	0.11
1320415	Drill Core	40.0	3.4	104.6	3145	176	22.5	134.4	5.7	11.5	<8	2.3	21.2	0.8	0.5	0.5	0.05	0.3	<0.05	<0.02	0.11
1320416	Drill Core	45.5	1.9	294.6	3908	423	39.4	295.9	9.5	10.0	<8	5.2	13.0	4.7	2.6	4.4	0.44	1.5	0.45	0.11	0.50
1320417	Drill Core	53.6	7.9	379.8	2842	1776	27.6	446.9	12.2	19.7	<8	5.5	46.7	5.6	3.2	5.8	0.61	2.0	0.65	0.13	0.65
1320418	Rock Pulp	104.4	19.8	150.5	2544	775	27.7	2104	3.0	22.5	<8	4.2	51.8	<0.1	0.2	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
1320419	Drill Core	58.9	4.6	315.7	2903	1458	23.8	360.9	9.3	13.1	<8	5.6	31.0	5.0	3.4	5.5	0.63	2.6	0.61	0.15	0.66
1320420	Rock Pulp	61.0	1.1	23.5	5028	65	23.5	76.0	1.1	2.5	<8	1.6	7.7	0.1	0.3	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
1320421	Drill Core	49.5	3.6	140.6	2102	558	14.3	181.7	4.4	11.4	<8	3.4	19.5	1.9	1.4	2.0	0.21	1.1	0.20	0.05	0.23

# CERTIFICATE OF ANALYSIS

TIM13000019.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	7PF	7PF	8X	
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	
1320392	Drill Core	0.06	0.19	<0.02	0.05	<0.01	<0.05	<0.01	<0.02	<0.02	0.08	0.05	
1320393	Drill Core	0.05	0.32	<0.02	0.03	<0.01	0.09	<0.01	0.02	<0.02	0.06	0.40	
1320394	Rock	0.02	0.24	0.04	0.12	0.01	0.07	0.02	11.24	<0.02	<0.01	<0.01	
1320395	Drill Core	0.03	0.15	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.97	
1320396	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.05	<0.02	0.03	0.08	
1320397	Drill Core	0.02	0.09	<0.02	0.04	<0.01	<0.05	<0.01	0.03	<0.02	0.08	0.37	
1320398	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.81	
1320399	Drill Core	<0.01	<0.05	<0.02	0.05	<0.01	<0.05	<0.01	0.03	<0.02	0.01	1.38	
1320400	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.61	
1320401	Drill Core	0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.90	
1320402	Drill Core	0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	1.46	
1320403	Drill Core	0.03	0.10	<0.02	0.07	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	1.79	
1320404	Drill Core	0.05	0.18	0.04	0.08	0.01	0.12	0.01	<0.02	<0.02	0.13	0.43	
1320405	Drill Core	0.04	0.24	0.03	0.08	<0.01	0.09	0.01	<0.02	<0.02	0.18	0.33	
1320406	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.07	<0.02	<0.01	1.69	4.03
1320407	Drill Core	0.04	0.17	<0.02	0.08	<0.01	0.08	<0.01	<0.02	<0.02	0.18	0.27	
1320408	Rock	0.09	0.34	0.07	0.18	0.03	0.21	0.02	5.53	<0.02	0.16	0.15	
1320409	Drill Core	0.04	0.20	0.03	0.07	0.01	0.09	<0.01	<0.02	<0.02	0.14	0.22	
1320410	Drill Core	0.08	0.37	0.06	0.12	0.01	0.16	0.02	<0.02	<0.02	0.18	0.26	
1320411	Drill Core	0.11	0.56	0.15	0.27	0.04	0.27	0.03	<0.02	<0.02	0.14	0.20	
1320412	Drill Core	0.02	<0.05	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.09	0.70	
1320413	Drill Core	0.04	0.17	0.02	0.10	0.01	0.09	0.02	<0.02	<0.02	0.10	0.17	
1320414	Drill Core	0.02	0.10	<0.02	0.05	<0.01	<0.05	<0.01	<0.02	<0.02	0.07	0.30	
1320415	Drill Core	0.02	0.08	<0.02	0.05	<0.01	0.08	<0.01	<0.02	<0.02	0.08	0.14	
1320416	Drill Core	0.11	0.60	0.10	0.40	0.06	0.46	0.07	<0.02	<0.02	0.14	0.63	
1320417	Drill Core	0.12	0.70	0.17	0.53	0.08	0.57	0.07	<0.02	<0.02	0.20	0.32	
1320418	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.05	<0.02	<0.01	0.09	
1320419	Drill Core	0.12	0.95	0.17	0.54	0.08	0.65	0.07	<0.02	<0.02	0.22	0.35	
1320420	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.07	<0.02	<0.01	1.21	2.03
1320421	Drill Core	0.05	0.33	0.06	0.16	0.02	0.19	0.02	<0.02	<0.02	0.14	0.20	

# CERTIFICATE OF ANALYSIS

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Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320422	Drill Core	2.15	71.22	17.55	0.89	0.02	0.37	6.43	1.36	0.01	0.44	0.21	<0.002	<20	<1	1.0	99.53	1	343	0.3	382.3
1320423	Drill Core	2.55	70.64	17.81	0.85	0.02	0.26	8.19	0.61	<0.01	0.41	0.13	<0.002	<20	<1	0.8	99.76	<1	147	<0.2	203.3
1320424	Drill Core	2.47	71.05	17.63	0.53	0.01	0.25	8.93	0.48	<0.01	0.39	0.15	<0.002	<20	<1	0.4	99.85	<1	58	<0.2	170.8
1320425	Drill Core	2.10	72.08	17.05	0.76	0.01	0.24	6.52	1.25	<0.01	0.53	0.24	<0.002	<20	<1	0.9	99.57	2	289	<0.2	394.6
1320426	Drill Core	2.12	76.19	14.73	0.69	0.02	0.11	5.96	1.15	<0.01	0.11	0.09	<0.002	<20	<1	0.8	99.87	6	6	<0.2	138.3
1320427	Drill Core	2.18	74.45	14.60	1.08	0.02	0.54	4.39	3.47	0.01	0.21	0.09	<0.002	<20	3	0.9	99.79	173	26	<0.2	802.7
1320638	Drill Core	1.06	78.29	12.13	1.09	0.03	0.53	3.63	3.39	<0.01	0.14	0.11	0.005	30	2	0.5	99.86	173	8	0.4	384.0
1320639	Drill Core	2.12	75.47	13.57	1.29	0.03	0.63	3.36	4.83	0.01	0.03	0.13	<0.002	<20	3	0.5	99.87	228	2	<0.2	330.2
1320640	Drill Core	2.15	76.10	13.11	1.23	0.03	0.62	3.42	4.66	0.01	0.03	0.10	<0.002	<20	3	0.6	99.86	232	5	<0.2	272.0
1320641	Drill Core	2.33	75.52	13.31	1.23	0.03	0.66	3.42	4.67	0.01	0.03	0.10	<0.002	<20	3	0.9	99.85	249	4	<0.2	357.8
1320642	Drill Core	2.16	75.74	13.30	1.03	0.02	0.67	3.61	4.46	<0.01	0.11	0.08	<0.002	<20	2	0.8	99.82	240	9	<0.2	650.7
1320643	Drill Core	2.14	75.37	13.57	1.14	0.02	0.73	3.76	4.40	<0.01	0.29	0.07	<0.002	<20	3	0.5	99.83	241	2	<0.2	543.9
1320644	Drill Core	2.16	75.32	13.43	0.83	0.02	0.73	3.73	4.89	<0.01	0.25	0.06	<0.002	<20	2	0.6	99.82	281	4	<0.2	632.5
1320645	Drill Core	1.96	71.97	16.10	1.24	0.02	0.60	5.40	3.16	0.01	0.27	0.11	<0.002	<20	2	0.9	99.78	122	126	0.7	564.5
1320646	Drill Core	2.07	75.59	13.68	1.08	0.01	0.64	3.71	4.13	<0.01	0.10	0.09	<0.002	<20	2	0.8	99.79	91	19	1.0	827.4
1320647	Rock	0.37	9.32	0.37	0.14	2.18	48.94	0.13	0.10	<0.01	<0.01	0.01	<0.002	<20	<1	38.8	99.97	24	<1	<0.2	10.0
1320648	Drill Core	1.94	75.77	13.38	1.12	0.02	0.64	3.57	4.40	<0.01	0.06	0.09	<0.002	<20	3	0.8	99.81	147	14	0.3	868.2
1320649	Rock Pulp	0.05	74.24	15.09	0.35	0.03	0.39	6.05	1.78	0.02	0.41	0.05	<0.002	<20	3	1.0	99.37	7	186	0.2	771.8
1320650	Drill Core	1.01	76.27	13.28	1.10	0.02	0.61	3.81	3.99	<0.01	0.06	0.07	<0.002	<20	3	0.6	99.80	192	17	0.4	841.9
1320540	Drill Core	2.15	74.11	14.42	1.10	0.02	0.72	3.74	4.65	0.01	0.26	0.08	<0.002	<20	3	0.7	99.75	203	17	0.3	1035
1320428	Drill Core	1.33	72.25	16.96	0.43	0.02	0.27	2.93	5.99	<0.01	0.22	0.08	<0.002	<20	<1	0.6	99.80	69	163	<0.2	600.4
1320429	Drill Core	2.18	72.75	15.72	0.91	0.04	0.61	3.99	4.73	<0.01	0.17	0.07	<0.002	<20	2	0.8	99.82	203	53	0.2	568.9
1320430	Rock Pulp	0.05	64.88	21.86	0.19	0.04	0.15	1.73	1.95	<0.01	0.27	0.03	0.014	<20	1	1.4	92.53	7	20	0.4	>10000
1320431	Drill Core	1.12	72.83	16.39	0.76	0.03	0.51	3.91	4.37	<0.01	0.22	0.09	<0.002	<20	2	0.7	99.80	153	107	0.2	602.1
1320432	Rock	0.43	9.90	0.67	0.18	1.65	48.30	0.05	0.16	<0.01	0.02	0.02	0.002	<20	<1	39.0	99.95	32	1	0.5	47.3
1320433	Drill Core	2.32	77.41	16.38	0.51	0.07	0.21	1.69	1.40	<0.01	0.16	0.12	<0.002	<20	<1	1.9	99.88	26	32	0.7	239.8
1320434	Drill Core	2.58	80.78	17.48	0.35	0.02	0.06	0.62	0.55	<0.01	0.15	0.07	<0.002	<20	<1	-0.2	99.90	3	10	0.9	399.1
1320435	Drill Core	1.24	69.65	18.63	1.43	0.03	0.55	4.84	3.14	0.01	0.40	0.22	<0.002	<20	2	0.8	99.69	110	375	0.7	418.7
1320436	Drill Core	2.11	74.94	17.01	0.48	0.02	0.14	1.71	4.25	<0.01	0.37	0.19	<0.002	<20	<1	0.7	99.79	18	237	0.4	508.7
1320437	Drill Core	2.03	71.83	17.40	0.24	<0.01	0.33	1.37	7.21	<0.01	0.40	0.07	<0.002	<20	<1	1.0	99.82	42	126	0.8	717.0

**CERTIFICATE OF ANALYSIS**

**TIM13000019.1**

Method Analyte Unit MDL	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	
	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
1320422	Drill Core	58.1	6.9	211.7	1944	1137	8.7	276.4	6.7	12.0	<8	3.5	39.6	1.5	1.3	2.1	0.18	0.4	0.14	0.04	0.27
1320423	Drill Core	45.5	6.1	115.9	792.2	360	8.1	163.4	4.4	18.6	<8	1.7	37.3	1.7	0.6	1.1	0.11	0.4	0.19	0.02	0.26
1320424	Drill Core	43.2	4.5	104.4	577.0	95	7.7	158.7	2.3	13.9	<8	1.2	27.5	1.1	0.9	1.2	0.07	0.6	0.08	0.02	0.13
1320425	Drill Core	53.0	4.3	174.9	1650	1144	6.9	238.1	9.3	9.6	<8	3.2	23.7	0.7	0.9	1.0	0.05	<0.3	0.08	0.03	0.07
1320426	Drill Core	42.9	4.3	101.5	990.4	137	7.1	137.1	1.5	12.9	<8	2.0	27.5	0.7	0.4	0.8	0.06	0.4	0.11	<0.02	0.15
1320427	Drill Core	25.4	3.7	25.1	1892	46	41.3	72.0	14.6	7.4	<8	2.8	57.1	13.9	13.6	27.8	2.97	11.8	2.47	0.25	2.49
1320638	Drill Core	16.0	2.3	8.8	889.4	22	43.1	6.1	13.6	5.2	<8	1.7	43.5	12.7	13.0	27.6	2.92	10.9	2.52	0.25	2.25
1320639	Drill Core	15.1	2.5	9.4	573.5	13	54.9	4.7	14.3	5.5	<8	1.4	55.1	14.8	15.0	30.4	3.24	10.9	2.72	0.27	2.71
1320640	Drill Core	14.0	2.0	7.7	317.1	9	58.0	2.4	14.9	5.2	<8	1.3	51.3	13.0	15.5	32.8	3.54	12.0	2.78	0.29	2.63
1320641	Drill Core	14.8	2.0	8.5	480.5	14	60.6	2.9	15.0	6.0	<8	1.8	51.9	14.2	16.1	32.5	3.42	12.8	3.05	0.29	2.64
1320642	Drill Core	15.5	2.5	7.6	1112	22	59.7	9.9	16.7	6.0	<8	2.8	53.6	13.1	16.5	33.9	3.58	13.6	3.04	0.29	2.70
1320643	Drill Core	17.8	2.6	7.1	1266	16	56.6	28.7	16.8	6.9	<8	2.5	52.4	14.1	16.6	34.6	3.96	13.4	3.23	0.34	3.28
1320644	Drill Core	16.3	2.7	6.7	1257	16	61.9	8.6	16.7	7.8	<8	2.0	53.1	14.1	15.9	32.8	3.65	11.9	3.01	0.34	2.97
1320645	Drill Core	32.5	2.8	57.1	918.9	31	41.0	145.4	12.2	5.0	<8	2.7	39.5	12.5	10.3	21.7	2.34	8.1	1.95	0.20	1.95
1320646	Drill Core	16.5	2.6	11.8	1065	32	33.1	38.6	14.1	8.0	<8	2.4	40.2	18.6	11.2	24.5	2.67	10.2	2.45	0.19	2.48
1320647	Rock	0.6	0.2	0.3	6.1	<1	87.2	0.5	<0.2	0.3	<8	<0.5	2.1	2.8	1.6	1.2	0.19	1.1	0.20	0.05	0.31
1320648	Drill Core	15.7	1.9	9.8	996.7	17	43.6	8.9	14.4	5.9	<8	2.6	50.4	16.7	14.7	30.1	3.15	11.8	2.79	0.24	2.74
1320649	Rock Pulp	110.3	22.1	174.5	2573	868	31.5	2191	3.1	25.1	<8	4.2	53.7	<0.1	0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320650	Drill Core	18.1	1.9	15.1	856.3	17	49.7	76.6	13.2	7.9	<8	2.1	41.7	13.8	13.5	27.1	2.99	10.5	2.56	0.25	2.25
1320540	Drill Core	20.7	3.2	17.2	1412	51	53.1	188.4	14.5	13.9	<8	2.7	52.7	13.6	14.6	29.8	3.00	12.0	2.42	0.29	2.48
1320428	Drill Core	29.7	0.7	20.5	3965	46	20.3	38.1	3.9	3.4	<8	2.1	9.9	2.7	3.2	7.0	0.65	2.7	0.58	0.07	0.50
1320429	Drill Core	19.1	2.2	15.5	2306	28	47.1	21.9	12.7	8.3	<8	2.7	41.9	11.8	13.5	28.7	2.92	9.9	2.46	0.24	2.36
1320430	Rock Pulp	51.1	0.8	17.6	3735	65	29.3	77.9	2.2	2.0	<8	0.8	5.0	<0.1	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320431	Drill Core	29.2	1.9	33.2	2745	56	36.8	47.9	11.7	10.6	<8	2.0	34.9	10.8	11.5	23.0	2.54	9.7	2.24	0.19	2.07
1320432	Rock	1.6	<0.1	1.8	228.6	13	81.0	3.1	0.2	0.3	<8	<0.5	2.6	2.5	1.4	1.7	0.31	1.5	0.12	0.08	0.30
1320433	Drill Core	20.0	1.2	30.2	1046	32	8.8	84.2	4.8	3.0	<8	1.0	6.1	1.1	1.5	3.5	0.39	1.1	0.27	0.07	0.29
1320434	Drill Core	19.1	<0.1	13.0	562.2	32	3.2	31.3	0.9	1.2	<8	0.9	1.1	0.3	<0.1	0.2	<0.02	<0.3	<0.05	<0.02	0.12
1320435	Drill Core	36.6	2.3	75.9	2264	50	33.4	81.4	15.0	9.4	<8	2.4	32.0	5.8	10.7	21.9	2.28	8.6	1.87	0.17	1.68
1320436	Drill Core	30.8	0.4	52.6	3881	40	6.2	59.1	3.5	3.4	<8	1.7	2.4	0.2	0.2	0.2	<0.02	<0.3	<0.05	<0.02	0.05
1320437	Drill Core	23.3	0.2	7.7	5809	41	10.7	25.3	0.9	1.0	<8	0.9	1.0	1.2	0.6	1.4	0.11	1.0	0.14	0.05	0.18

# CERTIFICATE OF ANALYSIS

TIM13000019.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B 2A	Leco 2A	Leco	7PF	7PF	8X	
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	
1320422	Drill Core	0.05	0.28	0.05	0.14	0.02	0.20	0.03	<0.02	<0.02	0.21	0.24	
1320423	Drill Core	0.05	0.17	0.03	0.12	0.01	0.11	0.01	<0.02	<0.02	0.22	0.17	
1320424	Drill Core	0.02	0.11	0.03	0.07	<0.01	0.08	<0.01	<0.02	<0.02	0.12	0.12	
1320425	Drill Core	0.01	0.21	<0.02	0.08	<0.01	<0.05	<0.01	<0.02	<0.02	0.18	0.24	
1320426	Drill Core	0.02	0.07	<0.02	0.05	<0.01	0.07	0.01	<0.02	<0.02	0.14	0.09	
1320427	Drill Core	0.35	2.07	0.41	1.47	0.19	1.28	0.21	<0.02	<0.02	0.08	0.18	
1320638	Drill Core	0.35	2.04	0.44	1.27	0.17	1.00	0.17	<0.02	0.12	0.05	0.10	
1320639	Drill Core	0.38	2.25	0.44	1.32	0.19	1.33	0.19	<0.02	0.12	0.01	0.13	
1320640	Drill Core	0.40	2.31	0.45	1.27	0.20	1.38	0.19	<0.02	0.20	0.03	0.07	
1320641	Drill Core	0.39	2.68	0.45	1.33	0.19	1.19	0.19	<0.02	0.17	0.03	0.09	
1320642	Drill Core	0.39	2.04	0.42	1.11	0.18	1.14	0.17	<0.02	0.06	0.04	0.10	
1320643	Drill Core	0.48	3.13	0.50	1.20	0.19	1.23	0.20	<0.02	0.05	0.10	0.09	
1320644	Drill Core	0.45	2.30	0.48	1.46	0.19	1.19	0.19	<0.02	0.07	<0.01	0.10	
1320645	Drill Core	0.32	1.88	0.38	1.09	0.19	1.23	0.19	<0.02	0.06	0.16	0.09	
1320646	Drill Core	0.46	2.78	0.74	2.06	0.35	2.05	0.37	<0.02	0.08	0.03	0.11	
1320647	Rock	0.05	0.37	0.06	0.22	0.04	0.09	0.03	11.21	<0.02	<0.01	<0.01	
1320648	Drill Core	0.42	2.47	0.54	1.83	0.30	2.11	0.26	<0.02	0.06	0.04	0.10	
1320649	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.05	<0.02	<0.01	0.08	
1320650	Drill Core	0.37	2.66	0.53	1.36	0.20	1.38	0.22	0.02	0.02	0.03	0.10	
1320540	Drill Core	0.35	2.54	0.45	1.37	0.21	1.39	0.23	0.02	<0.02	0.08	0.16	
1320428	Drill Core	0.06	0.29	0.07	0.25	0.03	0.25	0.04	0.03	<0.02	0.02	0.54	
1320429	Drill Core	0.37	2.37	0.42	1.14	0.18	1.04	0.16	<0.02	<0.02	0.05	0.30	
1320430	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	0.10	<0.01	0.06	<0.02	<0.01	1.63	8.01
1320431	Drill Core	0.31	2.04	0.31	1.05	0.18	1.19	0.15	<0.02	<0.02	0.03	0.43	
1320432	Rock	0.06	0.21	0.04	0.11	0.02	0.21	0.04	11.17	<0.02	<0.01	0.03	
1320433	Drill Core	0.06	0.29	0.05	0.15	0.01	0.10	0.02	0.02	<0.02	<0.01	1.45	
1320434	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.10	
1320435	Drill Core	0.22	1.25	0.19	0.68	0.08	0.47	0.08	0.03	<0.02	0.24	0.47	
1320436	Drill Core	<0.01	0.05	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	1.08	
1320437	Drill Core	0.03	0.16	0.04	0.09	0.01	0.14	0.02	<0.02	<0.02	0.01	0.81	

# CERTIFICATE OF ANALYSIS

TIM13000019.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
Analyte	Wgt	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	MgO	CaO	Na <sub>2</sub> O	K <sub>2</sub> O	TiO <sub>2</sub>	P <sub>2</sub> O <sub>5</sub>	MnO	Cr <sub>2</sub> O <sub>3</sub>	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320438	Drill Core	2.23	69.52	16.15	0.29	<0.01	0.46	1.53	10.20	<0.01	0.72	0.19	<0.002	<20	<1	0.6	99.64	93	422	<0.2	1122
1320439	Drill Core	2.01	69.13	16.71	0.23	0.02	0.23	1.45	10.89	<0.01	0.44	0.05	<0.002	<20	<1	0.7	99.81	202	3	0.4	1064
1320440	Drill Core	2.30	71.27	15.23	0.33	0.02	0.75	1.64	8.43	<0.01	0.79	0.15	<0.002	<20	<1	1.1	99.70	83	301	<0.2	926.8
1320441	Drill Core	2.10	72.68	14.85	0.75	0.02	0.62	2.59	6.50	<0.01	0.53	0.15	<0.002	<20	1	0.8	99.49	128	792	<0.2	924.9
1320442	Rock Pulp	0.05	74.44	14.86	0.38	0.02	0.38	6.07	1.77	0.02	0.40	0.05	<0.002	<20	3	1.0	99.41	7	167	0.4	731.1
1320443	Drill Core	2.60	75.23	14.51	0.78	0.02	0.45	3.90	3.23	<0.01	0.50	0.19	<0.002	<20	<1	0.8	99.58	23	575	<0.2	477.1
1320444	Rock Pulp	0.05	72.53	16.19	0.43	0.05	0.25	2.90	5.86	<0.01	0.33	0.03	0.036	<20	1	0.7	99.33	14	37	0.4	5588
1320445	Drill Core	2.04	70.72	16.21	0.38	0.02	0.17	1.60	9.08	<0.01	0.35	0.09	<0.002	<20	<1	1.1	99.72	92	257	<0.2	836.6
1320446	Drill Core	1.90	74.44	14.36	0.44	0.01	0.30	2.62	6.15	<0.01	0.40	0.10	<0.002	<20	<1	0.9	99.72	60	300	<0.2	620.9
1320447	Drill Core	2.18	78.04	12.92	0.68	0.01	0.40	4.09	1.94	<0.01	0.38	0.17	<0.002	<20	<1	1.0	99.65	14	495	<0.2	406.1
1320448	Drill Core	2.41	74.66	13.99	0.36	0.02	0.32	1.64	7.70	<0.01	0.41	0.10	<0.002	<20	<1	0.6	99.79	54	82	<0.2	813.4
1320449	Drill Core	1.45	74.07	14.15	1.13	0.05	0.58	3.18	5.96	<0.01	0.07	0.06	<0.002	<20	2	0.7	99.89	207	2	<0.2	176.0
1320450	Drill Core	2.38	82.89	9.48	0.41	0.01	0.29	1.33	3.81	<0.01	0.32	0.12	<0.002	<20	<1	1.2	99.83	40	47	<0.2	662.0
1320451	Drill Core	1.95	77.16	12.57	0.52	0.01	0.36	2.21	5.26	<0.01	0.40	0.14	<0.002	<20	<1	1.2	99.80	29	159	<0.2	627.9
1320452	Drill Core	2.13	77.35	12.55	0.42	0.02	0.16	1.70	5.88	<0.01	0.36	0.12	<0.002	<20	<1	1.0	99.60	47	630	<0.2	611.1
1320453	Drill Core	2.14	76.00	13.79	0.92	0.03	0.48	3.93	2.47	<0.01	0.36	0.17	<0.002	<20	<1	1.6	99.73	45	325	0.2	416.5
1320454	Rock	0.40	8.88	0.17	0.22	3.76	48.02	0.04	0.07	0.01	0.04	0.02	<0.002	<20	<1	38.7	99.97	59	3	<0.2	2.7
1320455	Drill Core	0.96	74.70	14.50	0.86	0.03	0.44	3.69	4.13	<0.01	0.26	0.16	<0.002	<20	1	0.9	99.63	79	556	<0.2	441.1
1320456	Rock Pulp	0.05	72.03	16.30	0.45	0.05	0.25	2.91	5.85	<0.01	0.33	0.03	0.035	<20	1	1.1	99.31	20	36	0.3	5740
1320457	Drill Core	2.21	75.61	13.99	1.04	0.03	0.61	3.91	3.98	<0.01	0.11	0.09	<0.002	<20	3	0.5	99.86	118	33	<0.2	286.6
1320458	Drill Core	2.43	74.84	14.53	1.00	0.04	0.52	3.83	4.17	<0.01	0.14	0.11	<0.002	<20	3	0.7	99.85	134	41	<0.2	417.8
1320459	Drill Core	2.04	75.04	15.03	0.68	0.02	0.28	5.28	2.33	<0.01	0.22	0.09	<0.002	<20	1	0.8	99.81	50	163	<0.2	337.9
1320460	Drill Core	2.05	75.00	14.30	0.97	0.03	0.53	4.26	3.41	<0.01	0.19	0.09	<0.002	<20	2	1.0	99.84	126	56	<0.2	462.5
1320461	Drill Core	1.95	72.58	14.70	0.90	0.05	1.40	4.14	3.85	<0.01	0.30	0.08	<0.002	<20	2	1.8	99.84	118	79	0.3	416.3
1320462	Drill Core	2.06	73.58	13.81	1.52	0.13	1.28	3.42	4.06	<0.01	0.07	0.07	<0.002	<20	3	1.9	99.83	200	41	0.4	464.1
1320463	Drill Core	2.52	75.61	13.36	1.36	0.07	0.59	3.21	4.54	0.01	0.03	0.06	<0.002	<20	3	1.0	99.86	238	9	<0.2	354.7
1320464	Drill Core	1.58	73.44	14.95	0.68	0.06	0.43	4.07	4.83	<0.01	0.24	0.08	<0.002	<20	1	1.1	99.83	72	184	<0.2	202.3
1320541	Drill Core	2.31	72.73	14.87	0.77	0.02	0.79	4.59	5.43	<0.01	0.04	0.08	<0.002	<20	2	0.6	99.88	149	5	<0.2	269.1
1320542	Drill Core	1.60	66.93	17.99	1.62	0.03	0.88	5.10	6.00	0.01	0.42	0.07	<0.002	<20	4	0.8	99.86	242	4	0.4	286.8
1320543	Drill Core	2.03	73.95	15.52	1.01	0.02	0.55	5.75	1.91	<0.01	0.39	0.08	<0.002	<20	2	0.7	99.84	128	12	<0.2	361.1



# CERTIFICATE OF ANALYSIS

TIM13000019.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	
1320438	Drill Core	27.1	0.4	14.9	9129	61	17.6	40.8	1.7	1.1	<8	1.4	1.5	1.4	0.8	2.0	0.17	0.6	0.18	0.07	0.24
1320439	Drill Core	26.2	0.5	5.8	9434	15	17.4	27.0	2.3	0.9	<8	1.2	4.0	1.9	2.2	4.9	0.43	2.4	0.47	0.03	0.47
1320440	Drill Core	28.3	0.4	37.9	7337	89	16.0	77.7	2.5	2.1	<8	1.6	5.4	4.3	2.8	6.5	0.71	2.8	0.77	0.14	0.71
1320441	Drill Core	22.9	2.6	43.5	4984	78	31.7	88.7	7.7	4.5	<8	2.8	23.5	7.1	5.9	12.7	1.39	4.4	1.25	0.16	1.27
1320442	Rock Pulp	103.9	19.3	162.4	2560	814	28.0	2114	2.9	23.8	<8	3.6	48.0	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320443	Drill Core	41.5	1.8	109.9	3123	298	14.7	177.2	2.4	6.4	<8	1.9	7.8	1.6	1.0	2.3	0.19	0.9	0.21	0.06	0.22
1320444	Rock Pulp	57.7	1.1	21.9	6685	57	23.4	75.8	1.1	4.2	<8	1.0	7.7	<0.1	<0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320445	Drill Core	32.7	0.5	43.5	8544	80	12.3	84.0	1.3	2.7	<8	3.2	3.1	0.9	0.5	1.2	0.09	0.8	0.13	0.02	0.15
1320446	Drill Core	33.3	1.2	42.9	5556	133	13.4	96.1	3.5	2.8	<8	2.2	8.0	1.6	1.1	3.0	0.25	1.3	0.33	0.05	0.29
1320447	Drill Core	37.2	1.7	61.1	2373	147	12.8	119.0	2.7	5.4	8	3.0	11.3	1.0	1.1	2.3	0.18	0.6	0.23	0.05	0.16
1320448	Drill Core	30.3	2.2	56.4	7096	42	15.2	127.3	4.0	3.6	<8	2.4	14.9	1.9	1.8	4.3	0.40	1.3	0.42	0.07	0.41
1320449	Drill Core	15.7	2.0	7.0	1857	10	48.2	5.2	12.9	5.8	<8	1.3	37.8	12.2	13.3	27.6	2.87	11.9	2.38	0.24	2.64
1320450	Drill Core	29.6	1.7	43.6	4401	58	8.6	70.6	4.5	3.3	<8	3.7	15.8	2.8	2.6	6.0	0.64	2.2	0.49	0.06	0.48
1320451	Drill Core	33.5	1.9	41.8	5283	44	11.1	65.4	5.7	4.0	<8	3.1	19.4	2.6	2.6	6.8	0.67	1.9	0.62	0.07	0.57
1320452	Drill Core	30.7	1.2	60.3	5324	74	9.6	117.0	3.3	2.6	<8	2.2	5.6	0.2	0.3	0.8	<0.02	<0.3	<0.05	<0.02	<0.05
1320453	Drill Core	37.9	2.2	64.8	2243	60	17.0	106.6	9.0	9.0	<8	2.9	23.8	5.4	4.3	9.7	0.99	4.2	0.81	0.10	0.76
1320454	Rock	<0.5	<0.1	0.1	13.2	<1	81.5	0.8	<0.2	<0.1	<8	<0.5	1.9	2.2	1.3	1.5	0.18	1.0	0.23	0.05	0.30
1320455	Drill Core	31.3	2.8	54.9	2910	98	22.2	99.2	8.2	7.5	<8	1.8	31.6	6.4	5.9	12.1	1.25	5.4	1.07	0.13	1.10
1320456	Rock Pulp	60.1	1.1	21.4	6687	59	23.9	65.2	1.5	3.5	<8	0.8	7.9	<0.1	<0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
1320457	Drill Core	21.6	2.9	15.9	1145	37	38.8	52.3	13.1	6.5	<8	1.8	46.6	14.8	12.6	24.7	2.80	10.2	2.45	0.21	2.35
1320458	Drill Core	27.8	2.0	21.6	2143	40	35.4	38.5	10.4	4.8	<8	2.5	34.2	10.4	11.8	23.5	2.53	8.1	2.19	0.20	1.93
1320459	Drill Core	36.9	1.9	48.6	2149	62	17.6	98.9	5.9	5.4	<8	2.8	20.0	4.4	4.9	8.7	0.96	3.9	0.79	0.08	0.75
1320460	Drill Core	26.7	2.4	22.4	2175	37	34.3	43.3	11.4	9.2	<8	2.6	37.3	12.1	10.3	20.5	2.35	8.3	1.92	0.19	1.79
1320461	Drill Core	27.9	1.6	33.3	2601	48	30.6	48.4	10.7	6.1	<8	3.4	24.9	10.3	12.3	24.1	2.60	11.2	2.22	0.24	2.06
1320462	Drill Core	18.7	1.5	24.4	2153	43	46.2	19.6	13.9	18.5	<8	4.0	44.9	13.2	15.2	28.2	3.29	9.9	2.67	0.25	2.58
1320463	Drill Core	14.4	1.9	9.3	1472	11	55.3	1.7	15.3	5.2	<8	1.5	47.4	11.3	16.6	32.6	3.55	13.1	2.86	0.27	2.49
1320464	Drill Core	30.5	0.9	29.3	2465	42	21.2	42.8	6.4	4.4	<8	1.6	14.6	4.5	4.8	9.6	1.06	4.7	0.83	0.12	0.92
1320541	Drill Core	14.2	2.9	8.8	443.1	4	49.3	2.8	17.3	7.4	<8	0.6	60.5	21.2	17.6	36.0	3.99	15.3	3.24	0.24	2.89
1320542	Drill Core	20.5	2.5	14.2	701.2	6	55.4	13.6	17.0	8.2	<8	0.9	59.2	18.2	16.5	34.8	3.86	14.6	3.47	0.34	3.24
1320543	Drill Core	31.3	2.4	22.7	1412	99	28.7	56.6	11.0	4.7	<8	4.0	34.0	10.5	8.5	18.3	2.04	6.9	1.76	0.20	1.85

# CERTIFICATE OF ANALYSIS

TIM13000019.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	7PF	7PF	8X
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01
1320438	Drill Core	0.03	0.32	0.04	0.15	0.02	0.09	0.02	<0.02	<0.02	<0.01	0.21
1320439	Drill Core	0.05	0.39	0.06	0.25	0.03	0.18	0.03	<0.02	<0.02	0.01	0.17
1320440	Drill Core	0.12	0.84	0.14	0.52	0.07	0.41	0.06	<0.02	<0.02	0.03	0.27
1320441	Drill Core	0.19	1.18	0.23	0.63	0.09	0.58	0.09	<0.02	<0.02	0.07	0.21
1320442	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	<0.01	0.09
1320443	Drill Core	0.04	0.31	0.04	0.22	0.02	0.20	0.02	<0.02	<0.02	0.20	0.17
1320444	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	0.45
1320445	Drill Core	0.02	0.14	0.02	0.13	0.02	0.09	0.01	<0.02	<0.02	0.04	0.31
1320446	Drill Core	0.04	0.27	0.05	0.15	0.03	0.17	0.02	<0.02	<0.02	0.07	0.23
1320447	Drill Core	0.03	0.24	0.04	0.21	0.03	0.10	0.02	<0.02	<0.02	0.17	0.21
1320448	Drill Core	0.06	0.54	0.06	0.27	0.03	0.31	0.03	<0.02	<0.02	0.03	0.21
1320449	Drill Core	0.39	2.22	0.41	1.25	0.19	1.13	0.19	0.03	0.14	0.03	0.03
1320450	Drill Core	0.07	0.57	0.11	0.29	0.05	0.32	0.04	<0.02	<0.02	0.03	0.32
1320451	Drill Core	0.08	0.48	0.08	0.27	0.04	0.25	0.04	<0.02	<0.02	0.06	0.29
1320452	Drill Core	<0.01	0.15	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.21
1320453	Drill Core	0.13	0.79	0.17	0.56	0.09	0.59	0.08	<0.02	<0.02	0.19	0.25
1320454	Rock	0.03	0.19	0.05	0.15	0.02	0.12	0.02	10.80	<0.02	<0.01	<0.01
1320455	Drill Core	0.16	1.04	0.20	0.70	0.09	0.64	0.08	<0.02	<0.02	0.10	0.17
1320456	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	0.01	0.53
1320457	Drill Core	0.40	2.51	0.59	1.85	0.26	1.79	0.26	<0.02	<0.02	0.06	0.15
1320458	Drill Core	0.32	1.62	0.35	1.08	0.16	1.13	0.16	<0.02	<0.02	0.04	0.20
1320459	Drill Core	0.12	0.75	0.16	0.47	0.06	0.38	0.06	<0.02	<0.02	0.08	0.21
1320460	Drill Core	0.31	2.01	0.36	1.09	0.16	0.95	0.15	<0.02	<0.02	0.07	0.20
1320461	Drill Core	0.33	1.77	0.31	0.87	0.13	0.83	0.13	0.17	0.04	0.07	0.20
1320462	Drill Core	0.44	2.24	0.43	1.26	0.15	1.02	0.16	0.18	0.27	0.06	0.16
1320463	Drill Core	0.38	2.26	0.37	1.14	0.17	1.28	0.17	<0.02	<0.02	0.02	0.10
1320464	Drill Core	0.14	0.75	0.12	0.41	0.06	0.40	0.06	0.03	<0.02	0.04	0.07
1320541	Drill Core	0.50	3.36	0.67	2.30	0.37	2.50	0.37	<0.02	0.13	<0.01	0.01
1320542	Drill Core	0.54	3.23	0.64	1.59	0.26	1.59	0.25	<0.02	0.09	0.22	0.02
1320543	Drill Core	0.27	1.76	0.31	0.88	0.14	0.80	0.13	<0.02	<0.02	0.15	0.14

# CERTIFICATE OF ANALYSIS

TIM13000019.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320544	Drill Core	1.71	72.12	16.60	0.43	0.02	0.20	6.24	2.86	<0.01	0.20	0.08	<0.002	<20	<1	1.0	99.76	16	145	<0.2	523.8
1320545	Drill Core	1.33	71.80	17.29	0.38	0.02	0.14	2.98	6.54	<0.01	0.20	0.04	<0.002	<20	<1	0.5	99.88	25	37	<0.2	518.5
1320690	Drill Core	1.43	75.31	13.29	1.14	0.25	0.84	2.89	4.98	<0.01	0.05	0.08	0.007	<20	3	1.0	99.90	184	5	1.6	151.5
1320691	Drill Core	1.70	77.06	17.10	0.69	0.20	0.26	1.12	1.28	<0.01	0.19	0.09	<0.002	<20	<1	1.8	99.84	7	78	2.1	393.3
1320692	Drill Core	2.82	75.87	13.34	1.27	0.10	0.54	3.10	4.60	0.01	0.07	0.07	<0.002	<20	3	0.9	99.84	197	14	1.2	489.8
1320693	Drill Core	2.88	75.11	16.97	0.38	0.18	0.13	1.11	4.54	<0.01	0.13	0.03	<0.002	<20	<1	1.3	99.90	23	16	1.8	388.5
1320694	Drill Core	1.48	76.79	15.89	0.76	0.31	0.59	1.61	1.85	<0.01	0.07	0.05	<0.002	<20	1	2.0	99.90	54	31	0.6	256.5
1320695	Drill Core	2.62	75.67	13.58	1.22	0.06	0.64	3.27	4.73	<0.01	0.06	0.06	<0.002	<20	3	0.6	99.88	193	5	<0.2	322.4
1320696	Drill Core	2.31	75.65	13.69	1.11	0.03	0.62	3.50	4.71	<0.01	0.11	0.07	<0.002	<20	3	0.4	99.90	163	27	<0.2	83.3
1320682	Drill Core	1.04	71.36	16.19	0.51	0.02	0.78	4.58	5.76	<0.01	0.10	0.08	<0.002	<20	1	0.5	99.88	297	6	<0.2	197.8
1320683	Drill Core	1.75	75.74	13.73	1.15	0.03	0.64	3.29	4.28	<0.01	0.05	0.08	<0.002	<20	3	0.8	99.82	175	25	<0.2	696.9
1320684	Drill Core	2.29	76.33	13.28	1.19	0.03	0.70	3.38	4.57	<0.01	0.02	0.07	<0.002	<20	3	0.3	99.88	213	5	<0.2	223.8
1320685	Rock Pulp	0.05	64.18	21.44	0.23	0.04	0.15	1.68	1.90	<0.01	0.26	0.03	0.013	28	1	2.5	92.48	7	23	<0.2	>10000
1320686	Drill Core	1.85	74.43	14.36	0.90	0.03	0.76	3.73	5.01	<0.01	0.05	0.06	<0.002	<20	3	0.6	99.88	243	4	<0.2	201.8
1320687	Rock	0.55	4.63	0.13	0.12	1.98	51.91	0.03	0.04	0.01	0.02	0.01	<0.002	<20	<1	41.1	99.97	86	<1	<0.2	4.0
1320688	Drill Core	3.12	74.89	13.95	1.10	0.03	0.72	3.61	4.76	<0.01	0.05	0.06	<0.002	<20	3	0.7	99.88	220	5	<0.2	245.6
1320689	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1320549	Drill Core	1.07	75.90	13.67	1.04	0.02	0.71	3.98	3.83	<0.01	0.05	0.08	<0.002	<20	3	0.5	99.81	168	33	<0.2	767.0

# CERTIFICATE OF ANALYSIS

TIM13000019.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
1320544	Drill Core	40.2	2.5	49.9	1996	306	11.2	184.3	7.1	4.8	<8	2.2	15.3	2.2	2.5	5.2	0.56	3.2	0.41	0.04	0.38	
1320545	Drill Core	22.9	0.1	13.2	4415	51	10.9	32.6	0.9	0.6	<8	0.6	1.5	1.1	1.1	1.8	0.20	1.0	0.13	0.03	0.15	
1320690	Drill Core	14.6	2.2	9.6	668.2	9	43.5	5.1	14.0	8.6	<8	2.8	45.5	15.3	9.8	23.0	2.50	9.5	2.14	0.23	2.27	
1320691	Drill Core	27.4	1.6	35.4	1602	84	8.2	60.7	2.3	1.9	<8	2.9	9.3	1.7	2.2	5.7	0.43	1.8	0.36	0.13	0.47	
1320692	Drill Core	15.6	2.3	10.3	1441	24	46.1	7.3	16.6	6.2	<8	2.9	43.1	12.7	13.8	33.5	3.43	10.4	3.01	0.23	2.68	
1320693	Drill Core	19.2	0.3	11.5	3179	22	11.5	50.9	0.6	0.5	<8	<0.5	2.3	0.9	1.1	1.9	0.22	1.1	0.11	0.03	0.18	
1320694	Drill Core	16.6	0.7	21.9	687.1	19	19.6	29.8	4.7	2.3	<8	1.1	13.6	5.1	3.8	7.0	0.74	2.6	0.58	0.08	0.68	
1320695	Drill Core	14.0	1.8	8.8	1098	20	49.8	5.8	15.7	5.1	<8	1.5	43.6	13.0	15.0	31.3	3.46	12.9	2.70	0.25	2.35	
1320696	Drill Core	17.5	1.7	12.5	733.1	14	43.0	10.6	11.5	6.0	<8	0.7	36.2	12.5	11.4	23.1	2.65	8.9	2.14	0.23	2.00	
1320682	Drill Core	16.3	2.7	3.4	2162	10	67.4	10.0	16.7	5.1	<8	0.7	52.7	15.0	18.5	38.4	4.19	14.6	2.75	0.31	2.57	
1320683	Drill Core	14.8	2.3	9.8	1844	23	49.7	5.4	14.3	4.9	<8	2.2	49.9	12.9	14.2	29.4	3.25	11.4	2.53	0.25	2.43	
1320684	Drill Core	14.0	2.1	8.2	601.2	8	52.2	1.3	16.0	7.7	<8	1.3	50.9	15.7	16.5	33.3	3.79	14.0	3.03	0.27	2.63	
1320685	Rock Pulp	49.5	1.0	17.7	3767	54	28.0	65.0	0.9	1.9	9	1.0	4.8	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
1320686	Drill Core	14.1	2.2	6.5	847.4	10	59.0	1.6	16.1	6.8	<8	0.9	44.6	13.1	17.2	36.6	3.98	14.3	3.05	0.32	2.68	
1320687	Rock	<0.5	0.1	<0.1	3.6	<1	92.3	<0.1	<0.2	<0.1	<8	<0.5	1.8	2.4	1.5	1.4	0.21	1.0	0.20	0.03	0.20	
1320688	Drill Core	15.0	2.3	9.3	1209	17	53.4	5.2	15.1	6.7	<8	1.3	52.1	15.6	15.7	30.7	3.46	13.1	2.84	0.28	2.74	
1320689	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1320549	Drill Core	18.0	1.8	16.3	795.7	20	48.3	48.5	13.0	6.8	<8	1.8	39.3	13.1	13.0	28.2	3.15	11.3	2.48	0.22	2.29	

# CERTIFICATE OF ANALYSIS

TIM13000019.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B 2A	Leco 2A	Leco	7PF	7PF	8X
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	0.01
1320544	Drill Core	0.06	0.44	0.08	0.16	0.03	0.17	0.03	<0.02	<0.02	0.07	0.10	
1320545	Drill Core	0.02	0.15	0.03	0.07	0.01	0.09	<0.01	<0.02	<0.02	0.01	0.56	
1320690	Drill Core	0.44	2.62	0.56	1.80	0.27	1.41	0.26	0.08	0.11	0.03	0.07	
1320691	Drill Core	0.07	0.30	0.05	0.17	0.02	0.14	0.02	<0.02	<0.02	0.02	1.47	
1320692	Drill Core	0.44	2.30	0.46	1.38	0.19	1.37	0.21	<0.02	<0.02	0.05	0.12	
1320693	Drill Core	0.03	0.07	0.03	0.07	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.17	
1320694	Drill Core	0.12	0.66	0.16	0.41	0.07	0.42	0.05	0.07	<0.02	0.02	1.10	
1320695	Drill Core	0.40	2.30	0.40	1.13	0.18	1.23	0.18	<0.02	0.02	0.03	0.14	
1320696	Drill Core	0.32	2.03	0.40	1.18	0.17	1.26	0.20	<0.02	<0.02	0.09	0.05	
1320682	Drill Core	0.40	2.60	0.51	1.38	0.22	1.61	0.25	<0.02	<0.02	0.02	0.05	
1320683	Drill Core	0.35	2.36	0.41	1.31	0.21	1.65	0.21	<0.02	<0.02	<0.01	0.22	
1320684	Drill Core	0.42	2.95	0.50	1.45	0.25	1.43	0.27	<0.02	<0.02	0.01	0.10	
1320685	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	0.05	<0.01	0.06	<0.02	<0.01	1.63	8.04
1320686	Drill Core	0.41	2.41	0.45	1.25	0.21	1.33	0.19	<0.02	<0.02	<0.01	0.10	
1320687	Rock	0.03	0.24	0.05	0.17	0.02	0.17	0.02	12.19	<0.02	<0.01	<0.01	
1320688	Drill Core	0.40	2.65	0.50	1.35	0.22	1.35	0.19	<0.02	<0.02	0.02	0.13	
1320689	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
1320549	Drill Core	0.35	2.13	0.42	1.27	0.20	1.23	0.20	0.03	0.03	0.06	0.11	

# QUALITY CONTROL REPORT

TIM13000019.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320352	Drill Core	2.65	78.13	17.07	0.52	0.17	0.15	1.23	1.22	<0.01	0.19	0.13	<0.002	28	<1	1.0	99.85	3	102	0.9	99.4
1320389	Drill Core	1.93	72.91	16.71	0.49	0.03	0.20	2.42	6.01	<0.01	0.28	0.10	<0.002	<20	<1	0.8	99.91	18	83	<0.2	515.3
1320426	Drill Core	2.12	76.19	14.73	0.69	0.02	0.11	5.96	1.15	<0.01	0.11	0.09	<0.002	<20	<1	0.8	99.87	6	6	<0.2	138.3
1320449	Drill Core	1.45	74.07	14.15	1.13	0.05	0.58	3.18	5.96	<0.01	0.07	0.06	<0.002	<20	2	0.7	99.89	207	2	<0.2	176.0
Pulp Duplicates																					
1320334	Rock Pulp	0.05	67.95	21.15	0.26	0.04	0.16	1.80	2.85	<0.01	0.25	0.03	0.017	<20	1	1.7	96.17	12	28	0.2	>10000
REP 1320334	QC																				
1320339	Drill Core	2.59	76.75	16.28	0.55	0.02	0.25	1.11	3.59	<0.01	0.28	0.08	<0.002	<20	<1	0.9	99.85	5	161	0.2	210.3
REP 1320339	QC		76.72	16.29	0.54	0.03	0.25	1.11	3.61	<0.01	0.28	0.08	<0.002	<20	<1	0.9	99.85	5	159	<0.2	211.8
1320345	Drill Core	2.45	74.77	15.50	1.18	0.10	0.38	4.58	1.72	<0.01	0.28	0.14	<0.002	<20	1	1.1	99.75	16	98	0.8	130.6
REP 1320345	QC																				
REP 1320363	QC		75.76	16.75	0.59	0.05	0.25	2.54	2.75	<0.01	0.26	0.10	0.015	57	<1	0.8	99.84	5	121	2.3	208.7
1320369	Drill Core	2.19	75.40	16.31	0.47	0.03	0.22	2.70	4.26	<0.01	0.28	0.09	<0.002	<20	<1	0.2	99.96	11	41	<0.2	251.0
REP 1320369	QC																				
1320374	Drill Core	2.80	78.97	15.62	0.58	0.04	0.33	0.65	2.88	<0.01	0.30	0.09	<0.002	<20	<1	0.4	99.88	13	161	<0.2	224.0
REP 1320374	QC		78.74	15.77	0.62	0.05	0.33	0.66	2.90	<0.01	0.32	0.09	<0.002	<20	<1	0.4	99.90	11	166	0.3	225.9
1320380	Drill Core	2.81	77.09	15.48	0.70	0.14	0.40	1.53	3.04	<0.01	0.44	0.22	<0.002	<20	<1	0.8	99.84	11	236	<0.2	346.8
REP 1320380	QC																				
1320386	Drill Core	1.97	70.26	16.93	0.34	0.02	0.18	2.12	8.87	<0.01	0.26	0.05	<0.002	<20	<1	0.9	99.90	29	33	<0.2	725.2
REP 1320386	QC																				
1320404	Drill Core	2.42	74.07	16.46	0.77	0.03	0.41	5.88	1.13	<0.01	0.42	0.15	<0.002	<20	<1	0.5	99.83	2	79	<0.2	239.7
REP 1320404	QC																				
1320409	Drill Core	1.91	72.91	16.51	0.76	0.05	0.36	6.87	1.22	<0.01	0.33	0.13	0.003	<20	<1	0.7	99.86	5	73	<0.2	190.9
REP 1320409	QC		72.82	16.52	0.80	0.05	0.34	6.87	1.24	<0.01	0.34	0.13	0.009	27	<1	0.7	99.85	6	73	0.5	187.6
1320415	Drill Core	2.53	70.74	16.77	0.48	<0.01	0.34	6.00	3.68	<0.01	0.51	0.23	<0.002	<20	<1	1.0	99.73	24	257	<0.2	403.4
REP 1320415	QC																				
1320420	Rock Pulp	0.05	69.97	18.88	0.43	0.05	0.19	2.25	4.20	<0.01	0.29	0.03	0.035	49	1	1.5	97.86	14	36	0.6	>10000
REP 1320420	QC																				
REP 1320641	QC																				

## QUALITY CONTROL REPORT

TIM13000019.1

Method	Analyte	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	
1320352	Drill Core	23.4	0.3	34.1	1144	55	8.7	36.4	1.1	2.8	<8	1.1	4.0	0.7	1.9	3.1	0.32	0.6	0.24	0.04	0.22
1320389	Drill Core	28.9	0.9	52.8	4641	46	8.1	61.7	1.4	7.1	<8	2.2	7.0	0.6	0.2	0.4	0.04	<0.3	0.19	<0.02	0.14
1320426	Drill Core	42.9	4.3	101.5	990.4	137	7.1	137.1	1.5	12.9	<8	2.0	27.5	0.7	0.4	0.8	0.06	0.4	0.11	<0.02	0.15
1320449	Drill Core	15.7	2.0	7.0	1857	10	48.2	5.2	12.9	5.8	<8	1.3	37.8	12.2	13.3	27.6	2.87	11.9	2.38	0.24	2.64
Pulp Duplicates																					
1320334	Rock Pulp	57.0	1.1	20.5	3886	61	21.7	69.6	0.8	2.4	<8	0.9	7.7	<0.1	0.1	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
REP 1320334	QC																				
1320339	Drill Core	26.7	0.2	34.6	3655	32	8.6	46.7	1.0	1.6	<8	1.7	2.1	0.2	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
REP 1320339	QC	25.9	0.2	34.1	3665	34	9.3	49.7	1.1	1.4	<8	1.2	1.4	0.2	0.1	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
1320345	Drill Core	35.3	3.5	70.1	1443	760	15.3	104.4	3.4	8.1	<8	3.5	25.8	3.1	0.7	2.8	0.32	1.4	0.51	0.03	0.77
REP 1320345	QC																				
REP 1320363	QC	28.8	1.0	36.8	2444	144	10.9	57.6	1.8	3.7	<8	1.3	7.1	0.2	0.3	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
1320369	Drill Core	25.1	0.7	41.8	3493	21	9.2	76.4	1.0	2.9	<8	1.1	3.8	0.8	2.4	4.5	0.35	1.1	0.26	0.07	0.29
REP 1320369	QC																				
1320374	Drill Core	27.9	0.9	51.1	2615	101	11.3	47.3	1.9	5.8	<8	2.2	8.1	0.6	0.7	0.9	0.07	0.3	<0.05	<0.02	0.08
REP 1320374	QC	27.6	1.2	50.8	2640	87	11.6	48.0	1.9	6.1	<8	1.6	8.5	0.7	0.7	0.8	0.06	<0.3	<0.05	<0.02	0.09
1320380	Drill Core	32.3	0.9	52.8	2852	71	8.8	76.1	2.0	4.0	<8	2.1	6.1	3.6	10.7	20.0	2.03	6.6	1.48	0.20	1.38
REP 1320380	QC																				
1320386	Drill Core	24.7	0.2	22.2	6617	15	9.7	38.4	0.6	1.9	<8	0.8	2.5	1.4	0.4	0.5	0.06	<0.3	0.17	<0.02	0.29
REP 1320386	QC																				
1320404	Drill Core	35.9	5.3	114.3	1249	40	13.7	135.5	4.5	13.6	<8	2.9	42.8	1.8	1.0	1.3	0.13	0.4	0.12	<0.02	0.21
REP 1320404	QC																				
1320409	Drill Core	37.3	4.7	71.6	1029	36	11.9	102.5	4.2	10.9	<8	1.7	35.2	1.7	1.2	1.4	0.13	0.6	0.16	0.05	0.22
REP 1320409	QC	36.5	4.8	70.7	1013	45	11.7	87.9	4.1	10.1	<8	1.5	35.1	1.4	1.5	1.9	0.14	0.5	0.14	0.04	0.28
1320415	Drill Core	40.0	3.4	104.6	3145	176	22.5	134.4	5.7	11.5	<8	2.3	21.2	0.8	0.5	0.5	0.05	0.3	<0.05	<0.02	0.11
REP 1320415	QC																				
1320420	Rock Pulp	61.0	1.1	23.5	5028	65	23.5	76.0	1.1	2.5	<8	1.6	7.7	0.1	0.3	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
REP 1320420	QC																				
REP 1320641	QC																				

## QUALITY CONTROL REPORT

TIM13000019.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B 2A	Leco 2A	Leco	7PF	7PF	8X
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	0.01
1320352	Drill Core	0.03	0.13	0.02	0.04	0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.68	
1320389	Drill Core	0.03	0.19	<0.02	0.06	<0.01	0.06	<0.01	<0.02	<0.02	0.02	0.53	
1320426	Drill Core	0.02	0.07	<0.02	0.05	<0.01	0.07	0.01	<0.02	<0.02	0.14	0.09	
1320449	Drill Core	0.39	2.22	0.41	1.25	0.19	1.13	0.19	0.03	0.14	0.03	0.03	
Pulp Duplicates													
1320334	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	1.40	4.01
REP 1320334	QC								0.07	<0.02			
1320339	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.24	
REP 1320339	QC	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01					
1320345	Drill Core	0.11	0.61	0.10	0.17	0.02	0.18	0.02	<0.02	0.13	0.05	0.29	
REP 1320345	QC										0.05		
REP 1320363	QC	<0.01	<0.05	<0.02	<0.03	<0.01	0.06	<0.01				0.94	
1320369	Drill Core	0.03	0.10	0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.75	
REP 1320369	QC								<0.02	<0.02			
1320374	Drill Core	0.01	0.08	0.02	0.04	0.01	0.10	<0.01	<0.02	<0.02	0.02	1.26	
REP 1320374	QC	0.02	<0.05	<0.02	0.03	<0.01	0.07	<0.01					
1320380	Drill Core	0.14	0.60	0.07	0.22	0.03	0.10	0.01	0.04	<0.02	0.03	0.90	
REP 1320380	QC										0.03		
1320386	Drill Core	0.06	0.26	<0.02	0.06	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.29	
REP 1320386	QC											0.29	
1320404	Drill Core	0.05	0.18	0.04	0.08	0.01	0.12	0.01	<0.02	<0.02	0.13	0.43	
REP 1320404	QC								<0.02	<0.02			
1320409	Drill Core	0.04	0.20	0.03	0.07	0.01	0.09	<0.01	<0.02	<0.02	0.14	0.22	
REP 1320409	QC	0.04	0.19	0.04	0.12	<0.01	<0.05	<0.01					
1320415	Drill Core	0.02	0.08	<0.02	0.05	<0.01	0.08	<0.01	<0.02	<0.02	0.08	0.14	
REP 1320415	QC										0.08		
1320420	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.07	<0.02	<0.01	1.21	2.03
REP 1320420	QC												2.04
REP 1320641	QC											0.09	



# QUALITY CONTROL REPORT

TIM13000019.1

	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320649	Rock Pulp	0.05	74.24	15.09	0.35	0.03	0.39	6.05	1.78	0.02	0.41	0.05	<0.002	<20	3	1.0	99.37	7	186	0.2	771.8
REP 1320649	QC																				
1320430	Rock Pulp	0.05	64.88	21.86	0.19	0.04	0.15	1.73	1.95	<0.01	0.27	0.03	0.014	<20	1	1.4	92.53	7	20	0.4	>10000
REP 1320430	QC		64.73	21.97	0.21	0.04	0.15	1.72	1.93	<0.01	0.26	0.03	0.017	35	1	1.4	92.47	9	19	0.6	>10000
1320436	Drill Core	2.11	74.94	17.01	0.48	0.02	0.14	1.71	4.25	<0.01	0.37	0.19	<0.002	<20	<1	0.7	99.79	18	237	0.4	508.7
REP 1320436	QC																				
1320452	Drill Core	2.13	77.35	12.55	0.42	0.02	0.16	1.70	5.88	<0.01	0.36	0.12	<0.002	<20	<1	1.0	99.60	47	630	<0.2	611.1
REP 1320452	QC																				
1320460	Drill Core	2.05	75.00	14.30	0.97	0.03	0.53	4.26	3.41	<0.01	0.19	0.09	<0.002	<20	2	1.0	99.84	126	56	<0.2	462.5
REP 1320460	QC																				
1320462	Drill Core	2.06	73.58	13.81	1.52	0.13	1.28	3.42	4.06	<0.01	0.07	0.07	<0.002	<20	3	1.9	99.83	200	41	0.4	464.1
REP 1320462	QC																				
1320687	Rock	0.55	4.63	0.13	0.12	1.98	51.91	0.03	0.04	0.01	0.02	0.01	<0.002	<20	<1	41.1	99.97	86	<1	<0.2	4.0
REP 1320687	QC		4.70	0.13	0.14	2.00	51.82	0.02	0.04	0.01	<0.01	0.01	<0.002	<20	<1	41.1	99.97	83	<1	<0.2	2.1
Core Reject Duplicates																					
1320363	Drill Core	2.64	75.55	16.48	0.57	0.05	0.26	2.54	2.55	0.01	0.29	0.12	0.009	462	<1	0.8	99.23	4	121	9.2	177.6
DUP 1320363	QC	N.A.	75.96	16.57	0.61	0.05	0.24	2.51	2.75	<0.01	0.28	0.10	0.005	<20	<1	0.8	99.84	4	148	1.1	209.6
1320397	Drill Core	2.30	73.64	16.01	0.70	0.13	0.29	3.76	3.89	<0.01	0.29	0.09	<0.002	<20	<1	1.1	99.86	7	113	<0.2	543.0
DUP 1320397	QC	N.A.	74.12	15.72	0.65	0.13	0.30	3.76	3.78	<0.01	0.27	0.09	<0.002	<20	<1	1.1	99.87	8	120	<0.2	535.1
1320641	Drill Core	2.33	75.52	13.31	1.23	0.03	0.66	3.42	4.67	0.01	0.03	0.10	<0.002	<20	3	0.9	99.85	249	4	<0.2	357.8
DUP 1320641	QC	N.A.	75.55	13.24	1.23	0.03	0.66	3.44	4.69	0.01	0.03	0.10	<0.002	<20	3	0.9	99.85	246	7	<0.2	363.3
1320451	Drill Core	1.95	77.16	12.57	0.52	0.01	0.36	2.21	5.26	<0.01	0.40	0.14	<0.002	<20	<1	1.2	99.80	29	159	<0.2	627.9
DUP 1320451	QC	N.A.	77.37	12.48	0.54	0.01	0.33	2.18	5.20	<0.01	0.37	0.14	<0.002	<20	<1	1.2	99.80	26	154	<0.2	642.2
1320549	Drill Core	1.07	75.90	13.67	1.04	0.02	0.71	3.98	3.83	<0.01	0.05	0.08	<0.002	<20	3	0.5	99.81	168	33	<0.2	767.0
DUP 1320549	QC	N.A.	75.88	13.64	1.07	0.03	0.80	3.98	3.77	<0.01	0.05	0.08	<0.002	<20	3	0.5	99.82	166	25	0.3	757.2
Reference Materials																					
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				

## QUALITY CONTROL REPORT

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		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
1320649	Rock Pulp	110.3	22.1	174.5	2573	868	31.5	2191	3.1	25.1	<8	4.2	53.7	<0.1	0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
REP 1320649	QC																				
1320430	Rock Pulp	51.1	0.8	17.6	3735	65	29.3	77.9	2.2	2.0	<8	0.8	5.0	<0.1	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
REP 1320430	QC	50.6	1.0	18.6	3735	63	28.0	72.0	1.3	2.0	<8	1.0	4.5	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
1320436	Drill Core	30.8	0.4	52.6	3881	40	6.2	59.1	3.5	3.4	<8	1.7	2.4	0.2	0.2	0.2	<0.02	<0.3	<0.05	<0.02	0.05
REP 1320436	QC																				
1320452	Drill Core	30.7	1.2	60.3	5324	74	9.6	117.0	3.3	2.6	<8	2.2	5.6	0.2	0.3	0.8	<0.02	<0.3	<0.05	<0.02	<0.05
REP 1320452	QC																				
1320460	Drill Core	26.7	2.4	22.4	2175	37	34.3	43.3	11.4	9.2	<8	2.6	37.3	12.1	10.3	20.5	2.35	8.3	1.92	0.19	1.79
REP 1320460	QC																				
1320462	Drill Core	18.7	1.5	24.4	2153	43	46.2	19.6	13.9	18.5	<8	4.0	44.9	13.2	15.2	28.2	3.29	9.9	2.67	0.25	2.58
REP 1320462	QC																				
1320687	Rock	<0.5	0.1	<0.1	3.6	<1	92.3	<0.1	<0.2	<0.1	<8	<0.5	1.8	2.4	1.5	1.4	0.21	1.0	0.20	0.03	0.20
REP 1320687	QC	<0.5	<0.1	<0.1	3.2	<1	89.1	<0.1	<0.2	<0.1	<8	<0.5	1.8	2.3	1.3	1.2	0.19	1.2	0.18	0.05	0.26
Core Reject Duplicates																					
1320363	Drill Core	28.9	2.4	52.9	2302	137	9.2	99.4	1.5	3.9	<8	1.9	14.3	0.3	0.2	0.3	<0.02	<0.3	<0.05	<0.02	0.05
DUP 1320363	QC	27.5	1.6	38.0	2444	148	9.9	54.4	1.8	4.1	<8	1.4	10.3	0.3	0.5	0.3	0.02	<0.3	<0.05	<0.02	<0.05
1320397	Drill Core	33.2	1.9	61.6	3446	134	13.0	71.9	1.7	6.6	<8	1.5	15.8	0.5	1.0	1.0	0.07	<0.3	0.11	<0.02	0.08
DUP 1320397	QC	33.4	2.6	61.4	3415	82	12.4	62.0	1.9	6.1	<8	1.2	14.3	0.9	0.8	0.9	0.07	0.4	0.12	<0.02	0.08
1320641	Drill Core	14.8	2.0	8.5	480.5	14	60.6	2.9	15.0	6.0	<8	1.8	51.9	14.2	16.1	32.5	3.42	12.8	3.05	0.29	2.64
DUP 1320641	QC	15.5	2.7	8.4	492.1	14	60.1	2.9	15.7	5.3	<8	1.8	59.5	15.1	16.9	34.5	3.65	12.9	2.97	0.32	2.79
1320451	Drill Core	33.5	1.9	41.8	5283	44	11.1	65.4	5.7	4.0	<8	3.1	19.4	2.6	2.6	6.8	0.67	1.9	0.62	0.07	0.57
DUP 1320451	QC	32.3	1.4	41.5	5324	39	10.1	58.7	7.4	3.7	<8	3.1	18.3	2.1	4.6	10.8	1.03	3.2	0.63	0.07	0.64
1320549	Drill Core	18.0	1.8	16.3	795.7	20	48.3	48.5	13.0	6.8	<8	1.8	39.3	13.1	13.0	28.2	3.15	11.3	2.48	0.22	2.29
DUP 1320549	QC	18.2	2.3	14.9	805.9	21	48.6	51.0	11.4	6.2	<8	2.4	44.1	12.3	12.6	25.1	2.82	10.6	2.43	0.22	2.09
Reference Materials																					
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				

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		4A-4B Tb ppm 0.01	4A-4B Dy ppm 0.05	4A-4B Ho ppm 0.02	4A-4B Er ppm 0.03	4A-4B Tm ppm 0.01	4A-4B Yb ppm 0.05	4A-4B 2A Lu ppm 0.01	Leco 2A TOT/C % 0.02	Leco TOT/S % 0.02	7PF B % 0.01	7PF Li % 0.01	8X Cs % 0.01
1320649	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.05	<0.02	<0.01	0.08	
REP 1320649	QC								0.05	<0.02			
1320430	Rock Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	0.10	<0.01	0.06	<0.02	<0.01	1.63	8.01
REP 1320430	QC	<0.01	<0.05	<0.02	<0.03	<0.01	0.12	<0.01					
1320436	Drill Core	<0.01	0.05	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	1.08	
REP 1320436	QC										0.04		
1320452	Drill Core	<0.01	0.15	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.21	
REP 1320452	QC											0.21	
1320460	Drill Core	0.31	2.01	0.36	1.09	0.16	0.95	0.15	<0.02	<0.02	0.07	0.20	
REP 1320460	QC								<0.02	<0.02		0.20	
1320462	Drill Core	0.44	2.24	0.43	1.26	0.15	1.02	0.16	0.18	0.27	0.06	0.16	
REP 1320462	QC										0.06		
1320687	Rock	0.03	0.24	0.05	0.17	0.02	0.17	0.02	12.19	<0.02	<0.01	<0.01	
REP 1320687	QC	0.04	0.24	0.04	0.20	0.02	0.07	0.02					
Core Reject Duplicates													
1320363	Drill Core	<0.01	0.07	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.96	
DUP 1320363	QC	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.93	
1320397	Drill Core	0.02	0.09	<0.02	0.04	<0.01	<0.05	<0.01	0.03	<0.02	0.08	0.37	
DUP 1320397	QC	0.02	0.08	<0.02	0.05	<0.01	<0.05	<0.01	0.02	<0.02	0.08	0.39	
1320641	Drill Core	0.39	2.68	0.45	1.33	0.19	1.19	0.19	<0.02	0.17	0.03	0.09	
DUP 1320641	QC	0.43	2.35	0.45	1.24	0.20	1.44	0.20	<0.02	0.18	0.02	0.09	
1320451	Drill Core	0.08	0.48	0.08	0.27	0.04	0.25	0.04	<0.02	<0.02	0.06	0.29	
DUP 1320451	QC	0.08	0.46	0.09	0.20	0.04	0.32	0.05	<0.02	<0.02	0.06	0.30	
1320549	Drill Core	0.35	2.13	0.42	1.27	0.20	1.23	0.20	0.03	0.03	0.06	0.11	
DUP 1320549	QC	0.34	1.99	0.37	1.16	0.18	1.26	0.17	0.05	0.02	0.05	0.09	
Reference Materials													
STD 183	Standard											2.10	
STD 183	Standard											2.12	
STD 183	Standard											2.02	



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**Client:** **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 20, 2013

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		WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LIBF	Standard																					
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STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD MICA-FE(D)	Standard																					
STD OREAS72B	Standard																					

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 20, 2013

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# QUALITY CONTROL REPORT

TIM13000019.1

		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B		
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
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STD LI-1	Standard																					
STD LIBF	Standard																					
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STD LIBF	Standard																					
STD MICA-FE(D)	Standard																					
STD OREAS72B	Standard																					

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		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B 2A	Leco 2A	Leco	7PF	7PF	8X
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%
		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01
STD 183	Standard											1.86	
STD 183	Standard											1.95	
STD 183	Standard											1.82	
STD GS311-1	Standard							0.94	2.32				
STD GS311-1	Standard							0.94	2.38				
STD GS311-1	Standard							0.94	2.36				
STD GS311-1	Standard							0.96	2.39				
STD GS311-1	Standard							0.94	2.29				
STD GS910-4	Standard							2.44	8.23				
STD GS910-4	Standard							2.45	8.38				
STD GS910-4	Standard							2.54	7.95				
STD GS910-4	Standard							2.55	8.46				
STD GS910-4	Standard							2.67	8.21				
STD LI-1	Standard											1.48	
STD LI-1	Standard											1.42	
STD LI-1	Standard											1.48	
STD LI-1	Standard											1.44	
STD LIBF	Standard										4.18		
STD LIBF	Standard										4.83		
STD LIBF	Standard										4.15		
STD LIBF	Standard										4.42		
STD LIBF	Standard										4.17		
STD LIBF	Standard										4.34		
STD LIBF	Standard										4.20		
STD LIBF	Standard										4.15		
STD LIBF	Standard										4.43		
STD LIBF	Standard										4.49		
STD MICA-FE(D)	Standard												0.02
STD OREAS72B	Standard												<0.01



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# QUALITY CONTROL REPORT

TIM13000019.1

	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
STD SO-18	Standard	58.26	14.16	7.47	3.35	6.34	3.65	2.16	0.69	0.82	0.40	0.555	35	25	1.9	99.75	490	<1	24.2	21.6	
STD SO-18	Standard	58.10	14.26	7.47	3.34	6.35	3.68	2.16	0.70	0.82	0.40	0.561	32	25	1.9	99.74	516	<1	25.7	7.9	
STD SO-18	Standard	58.01	14.21	7.54	3.38	6.40	3.68	2.17	0.69	0.81	0.40	0.556	41	25	1.9	99.76	481	<1	25.1	9.8	
STD SO-18	Standard	58.37	14.10	7.51	3.36	6.34	3.63	2.09	0.69	0.77	0.39	0.545	43	24	1.9	99.73	500	<1	24.8	6.8	
STD SO-18	Standard	58.07	14.19	7.62	3.41	6.38	3.62	2.14	0.69	0.78	0.40	0.551	40	24	1.9	99.76	493	<1	25.2	6.9	
STD SO-18	Standard	58.62	14.05	7.44	3.34	6.30	3.59	2.09	0.69	0.80	0.40	0.542	37	24	1.9	99.76	472	1	24.2	7.1	
STD SO-18	Standard	58.57	14.03	7.49	3.34	6.28	3.60	2.10	0.69	0.81	0.40	0.543	30	24	1.9	99.76	471	<1	24.4	7.7	
STD SO-18	Standard	58.24	14.13	7.56	3.34	6.34	3.63	2.15	0.69	0.81	0.40	0.548	41	24	1.9	99.75	490	4	24.0	8.2	
STD SO-18	Standard	58.31	14.14	7.55	3.34	6.28	3.66	2.11	0.70	0.81	0.40	0.554	41	24	1.9	99.75	494	1	24.5	8.8	
STD SO-18	Standard	58.28	13.99	7.63	3.36	6.42	3.61	2.13	0.68	0.79	0.40	0.538	41	24	1.9	99.74	483	<1	26.7	6.5	
STD SO-18	Standard	57.95	14.10	7.79	3.41	6.44	3.58	2.12	0.68	0.84	0.40	0.538	28	24	1.9	99.75	483	<1	24.6	6.9	
STD SO-18	Standard	58.30	14.24	7.33	3.38	6.51	3.54	2.11	0.69	0.78	0.40	0.537	46	23	1.9	99.73	513	2	26.0	7.3	
STD SO-18	Standard	58.18	14.12	7.64	3.42	6.43	3.55	2.08	0.69	0.79	0.40	0.538	24	23	1.9	99.74	509	<1	27.1	6.9	
STD TAN-1(D)	Standard																				
STD VS-N	Standard																				
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD SO-18 Expected		58.47	14.23	7.67	3.35	6.42	3.71	2.17	0.69	0.83	0.39	0.55	44	25			514		26.2	7.1	
STD 183 Expected																					
STD LI-1 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	1.0	
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	0.6	
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	7.4	
BLK	Blank	0.10	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	0.13	<1	<1	<0.2	4.7	

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Acme Analytical Laboratories (Vancouver) Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 20, 2013

Page: 4 of 5

Part: 2 of 1

# QUALITY CONTROL REPORT

TIM13000019.1

		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
STD SO-18	Standard	17.1	8.8	19.2	31.3	14	417.2	7.2	9.9	16.5	203	15.3	282.3	28.6	12.5	28.6	3.22	14.0	2.76	0.85	2.98
STD SO-18	Standard	17.8	8.7	18.8	29.0	13	417.5	11.5	9.3	16.3	210	13.9	283.4	30.5	12.7	27.3	3.24	13.4	2.70	0.85	3.06
STD SO-18	Standard	17.8	8.0	18.6	27.5	14	414.5	6.9	9.4	15.2	209	13.4	279.1	28.5	12.2	26.1	3.16	13.4	2.71	0.80	2.90
STD SO-18	Standard	16.3	8.6	17.8	27.0	15	401.5	9.9	9.2	15.0	202	13.2	279.0	29.0	12.6	26.9	3.15	16.0	2.55	0.83	3.14
STD SO-18	Standard	16.3	8.6	17.3	27.8	13	395.9	6.8	9.3	15.3	198	12.3	273.3	29.0	12.3	27.0	3.12	13.1	2.87	0.89	3.24
STD SO-18	Standard	16.2	8.8	19.0	28.9	15	380.9	7.1	9.0	15.1	195	13.1	275.7	29.5	11.4	25.8	3.27	12.9	2.67	0.81	2.82
STD SO-18	Standard	16.1	8.8	19.2	28.0	14	378.2	6.5	8.9	14.8	193	13.0	273.1	28.9	11.8	25.5	3.17	11.1	2.67	0.82	2.72
STD SO-18	Standard	17.0	8.4	20.2	29.6	13	405.8	14.5	10.0	15.7	205	14.3	285.9	29.5	12.5	27.1	3.19	14.0	2.80	0.83	2.94
STD SO-18	Standard	17.4	9.5	18.5	28.4	14	390.4	7.5	9.1	15.5	200	13.1	281.2	28.9	11.6	25.9	3.08	13.3	2.78	0.83	2.85
STD SO-18	Standard	15.2	8.5	19.3	27.3	12	403.6	6.5	9.7	16.4	192	13.0	295.0	29.6	11.6	27.0	3.20	13.2	2.82	0.91	2.83
STD SO-18	Standard	15.1	9.2	18.5	26.6	14	385.6	6.4	9.4	17.2	196	13.5	274.7	29.7	12.6	29.8	3.30	12.7	2.66	0.81	2.60
STD SO-18	Standard	17.4	9.2	19.4	29.8	14	405.0	5.4	9.6	15.4	238	14.5	287.3	28.8	11.8	25.8	3.20	11.6	2.85	0.78	2.94
STD SO-18	Standard	16.7	8.8	18.1	28.3	14	399.5	7.3	9.8	14.9	199	12.9	282.0	29.6	11.8	25.9	3.15	13.3	2.66	0.86	3.05
STD TAN-1(D)	Standard																				
STD VS-N	Standard																				
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD SO-18 Expected		17.6	9.8	21.3	28.7	15	407.4	7.4	9.9	16.4	200	14.8	280	31	12.3	27.1	3.45	14	3	0.89	2.93
STD 183 Expected																					
STD LI-1 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.5	<0.1	<0.1	1.8	<1	<0.5	0.3	<0.2	<0.1	<8	<0.5	2.6	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
BLK	Blank	<0.5	<0.1	0.5	2.3	<1	<0.5	0.2	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
BLK	Blank	<0.5	<0.1	<0.1	2.6	<1	<0.5	1.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
BLK	Blank	<0.5	<0.1	<0.1	1.6	1	<0.5	0.8	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05

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Acme Analytical Laboratories (Vancouver) Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 20, 2013

Page: 4 of 5

Part: 3 of 1

# QUALITY CONTROL REPORT

TIM13000019.1

		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B 2A	Leco 2A	Leco	7PF	7PF	8X
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%
		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01
STD SO-18	Standard	0.44	2.84	0.63	1.75	0.26	1.87	0.27					
STD SO-18	Standard	0.48	2.86	0.62	1.85	0.26	1.71	0.24					
STD SO-18	Standard	0.46	3.02	0.56	1.76	0.25	1.58	0.26					
STD SO-18	Standard	0.45	2.96	0.59	1.89	0.26	1.53	0.24					
STD SO-18	Standard	0.44	3.11	0.56	1.73	0.23	1.55	0.22					
STD SO-18	Standard	0.47	2.71	0.54	1.70	0.25	1.58	0.25					
STD SO-18	Standard	0.45	2.71	0.61	1.80	0.24	1.76	0.26					
STD SO-18	Standard	0.45	3.07	0.55	1.63	0.27	1.56	0.24					
STD SO-18	Standard	0.43	3.20	0.56	1.68	0.25	1.76	0.26					
STD SO-18	Standard	0.49	3.29	0.60	1.86	0.28	1.75	0.25					
STD SO-18	Standard	0.51	3.05	0.60	1.88	0.25	1.78	0.28					
STD SO-18	Standard	0.47	2.66	0.60	1.81	0.25	1.52	0.24					
STD SO-18	Standard	0.45	2.85	0.60	1.79	0.26	1.52	0.25					
STD TAN-1(D)	Standard												0.08
STD VS-N	Standard												0.09
STD GS311-1 Expected									1.02	2.35			
STD GS910-4 Expected									2.65	8.27			
STD SO-18 Expected		0.53	3	0.62	1.84	0.27	1.79	0.27					
STD 183 Expected												1.91402	
STD LI-1 Expected												1.53	
BLK	Blank								<0.02	<0.02			
BLK	Blank								<0.02	<0.02			
BLK	Blank								<0.02	<0.02			
BLK	Blank								<0.02	<0.02			
BLK	Blank								<0.02	<0.02			
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01					
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01					
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01					
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01					





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Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 20, 2013

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Part: 2 of 1

# QUALITY CONTROL REPORT

TIM13000019.1

		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B		
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank	<0.5	<0.1	<0.1	0.5	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
BLK	Blank																					
BLK	Blank	<0.5	<0.1	<0.1	0.6	<1	<0.5	0.4	<0.2	<0.1	<8	<0.5	0.2	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
BLK	Blank																					
Prep Wash																						
G1-TIM	Prep Blank	19.6	4.1	23.3	123.5	2	751.5	1.2	9.7	3.1	58	<0.5	154.9	16.9	35.5	66.3	7.46	25.5	4.55	1.13	3.33	
G1-TIM	Prep Blank	19.4	4.3	23.5	124.8	<1	752.2	1.4	8.8	3.2	54	<0.5	157.0	15.8	33.7	63.6	7.23	27.8	4.49	1.11	3.52	

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Acme Analytical Laboratories (Vancouver) Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 20, 2013

Page: 5 of 5

Part: 3 of 1

# QUALITY CONTROL REPORT

TIM13000019.1

		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B 2A	Leco 2A	Leco	7PF	7PF	8X
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	Cs
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%
		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01
BLK	Blank										<0.01		
BLK	Blank										<0.01		
BLK	Blank										<0.01		
BLK	Blank											<0.01	
BLK	Blank										<0.01		
BLK	Blank										<0.01		
BLK	Blank											<0.01	
BLK	Blank											<0.01	
BLK	Blank											<0.01	
BLK	Blank											<0.01	
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01					
BLK	Blank												<0.01
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01					
BLK	Blank											<0.01	
Prep Wash													
G1-TIM	Prep Blank	0.47	2.74	0.55	1.72	0.24	1.76	0.27	<0.02	<0.02	<0.01	<0.01	
G1-TIM	Prep Blank	0.47	2.49	0.55	1.62	0.25	1.84	0.30	0.03	<0.02	<0.01	<0.01	



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Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: Houston Lake Mining
2892 White St.
Val Caron ON P3N 1B2 CANADA

Submitted By: Trevor Walker
Receiving Lab: Canada-Timmins
Received: June 24, 2013
Report Date: July 08, 2013
Page: 1 of 7

CERTIFICATE OF ANALYSIS

TIM13000019S.1

CLIENT JOB INFORMATION

Project: PAK
Shipment ID:
P.O. Number
Number of Samples: 168

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Procedure Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Row 1: 8X, 168, X-Ray fluorescence / Fusion from Siemens, Completed, VAN

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Houston Lake Mining
2892 White St.
Val Caron ON P3N 1B2
CANADA

CC: Garth Drever
Steve Beyer



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: July 08, 2013

Page: 2 of 7

Part: 1 of 1

## CERTIFICATE OF ANALYSIS

TIM13000019S.1

Method	8X	8X	8X	
Analyte	Cs	Rb	Ta	
Unit	%	%	ppm	
MDL	0.01	0.01	10	
1320332	Drill Core	<0.01	0.22	74
1320333	Drill Core	0.01	0.26	88
1320334	Rock Pulp	4.06	0.44	89
1320335	Drill Core	0.01	0.22	74
1320336	Rock	<0.01	<0.01	<10
1320337	Drill Core	0.03	0.54	24
1320338	Drill Core	0.01	0.30	33
1320339	Drill Core	0.02	0.40	65
1320340	Drill Core	0.02	0.31	75
1320341	Drill Core	0.01	0.31	90
1320342	Drill Core	0.01	0.27	40
1320343	Drill Core	<0.01	0.21	81
1320344	Drill Core	0.01	0.24	56
1320345	Drill Core	<0.01	0.15	97
1320346	Rock Pulp	0.08	0.27	2385
1320347	Drill Core	<0.01	0.14	16
1320348	Rock Pulp	8.13	0.42	73
1320349	Drill Core	<0.01	0.14	<10
1320350	Drill Core	0.01	0.13	17
1320351	Drill Core	<0.01	0.09	130
1320352	Drill Core	<0.01	0.13	41
1320353	Drill Core	0.02	0.50	65
1320354	Drill Core	0.02	0.32	41
1320355	Drill Core	0.02	0.46	42
1320356	Drill Core	0.02	0.48	32
1320357	Drill Core	0.01	0.28	48
1320358	Rock	<0.01	<0.01	<10
1320359	Drill Core	0.02	0.29	56
1320360	Rock Pulp	0.08	0.27	2346
1320361	Drill Core	0.02	0.23	72



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**Client:** **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

**Project:** PAK  
**Report Date:** July 08, 2013

**Page:** 3 of 7

**Part:** 1 of 1

# CERTIFICATE OF ANALYSIS

TIM13000019S.1

Method	8X	8X	8X	
Analyte	Cs	Rb	Ta	
Unit	%	%	ppm	
MDL	0.01	0.01	10	
1320362	Drill Core	0.02	0.20	41
1320363	Drill Core	0.01	0.25	67
1320364	Drill Core	0.03	0.49	66
1320365	Drill Core	0.02	0.31	25
1320366	Drill Core	0.03	0.32	40
1320367	Drill Core	0.02	0.34	40
1320368	Drill Core	<0.01	0.08	25
1320369	Drill Core	0.02	0.36	80
1320370	Rock Pulp	2.07	0.54	82
1320371	Drill Core	0.03	0.25	121
1320372	Rock	<0.01	<0.01	<10
1320373	Drill Core	0.02	0.31	122
1320374	Drill Core	0.02	0.28	58
1320375	Drill Core	0.01	0.09	105
1320376	Drill Core	0.03	0.35	58
1320377	Drill Core	0.03	0.15	122
1320378	Drill Core	0.04	0.38	49
1320379	Drill Core	0.03	0.33	17
1320380	Drill Core	0.04	0.31	83
1320381	Drill Core	0.05	0.43	65
1320382	Rock Pulp	0.04	0.36	66
1320383	Drill Core	0.04	0.36	82
1320384	Rock Pulp	0.63	0.70	74
1320385	Drill Core	0.05	0.41	81
1320386	Drill Core	0.08	0.68	49
1320387	Drill Core	0.05	0.30	74
1320388	Drill Core	0.04	0.33	98
1320389	Drill Core	0.05	0.50	57
1320390	Drill Core	0.04	0.38	49
1320391	Drill Core	0.02	0.15	123



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**Client:** **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: July 08, 2013

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## CERTIFICATE OF ANALYSIS

TIM13000019S.1

Method	8X	8X	8X	
Analyte	Cs	Rb	Ta	
Unit	%	%	ppm	
MDL	0.01	0.01	10	
1320392	Drill Core	<0.01	0.09	105
1320393	Drill Core	0.04	0.33	75
1320394	Rock	<0.01	<0.01	<10
1320395	Drill Core	0.04	0.27	91
1320396	Rock Pulp	0.08	0.27	2374
1320397	Drill Core	0.06	0.37	90
1320398	Drill Core	0.02	0.14	66
1320399	Drill Core	0.04	0.34	50
1320400	Drill Core	0.05	0.20	74
1320401	Drill Core	0.03	0.04	41
1320402	Drill Core	0.03	0.11	57
1320403	Drill Core	0.03	0.16	75
1320404	Drill Core	0.02	0.13	156
1320405	Drill Core	0.03	0.21	90
1320406	Rock Pulp	4.05	0.43	81
1320407	Drill Core	0.01	0.07	98
1320408	Rock	0.02	0.15	57
1320409	Drill Core	0.02	0.11	109
1320410	Drill Core	0.02	0.08	122
1320411	Drill Core	0.02	0.12	123
1320412	Drill Core	0.04	0.19	140
1320413	Drill Core	0.03	0.27	231
1320414	Drill Core	0.02	0.18	123
1320415	Drill Core	0.04	0.32	138
1320416	Drill Core	0.06	0.39	277
1320417	Drill Core	0.09	0.29	442
1320418	Rock Pulp	0.08	0.27	2398
1320419	Drill Core	0.06	0.30	327
1320420	Rock Pulp	2.04	0.54	88
1320421	Drill Core	0.04	0.23	217





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Project: PAK  
 Report Date: July 08, 2013

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## CERTIFICATE OF ANALYSIS

TIM13000019S.1

Method	8X	8X	8X	
Analyte	Cs	Rb	Ta	
Unit	%	%	ppm	
MDL	0.01	0.01	10	
1320422	Drill Core	0.04	0.21	286
1320423	Drill Core	0.02	0.08	182
1320424	Drill Core	0.01	0.06	171
1320425	Drill Core	0.03	0.17	262
1320426	Drill Core	0.01	0.10	164
1320427	Drill Core	0.08	0.20	90
1320638	Drill Core	0.04	0.09	<10
1320639	Drill Core	0.04	0.06	<10
1320640	Drill Core	0.03	0.03	<10
1320641	Drill Core	0.03	0.05	16
1320642	Drill Core	0.06	0.11	25
1320643	Drill Core	0.05	0.14	33
1320644	Drill Core	0.06	0.13	16
1320645	Drill Core	0.06	0.09	161
1320646	Drill Core	0.08	0.11	32
1320647	Rock	<0.01	<0.01	<10
1320648	Drill Core	0.09	0.10	17
1320649	Rock Pulp	0.07	0.27	2389
1320650	Drill Core	0.08	0.09	66
1320540	Drill Core	0.11	0.15	200
1320428	Drill Core	0.06	0.42	33
1320429	Drill Core	0.06	0.24	33
1320430	Rock Pulp	8.14	0.42	73
1320431	Drill Core	0.06	0.29	57
1320432	Rock	<0.01	0.03	16
1320433	Drill Core	0.02	0.12	82
1320434	Drill Core	0.04	0.06	50
1320435	Drill Core	0.04	0.23	81
1320436	Drill Core	0.05	0.40	66
1320437	Drill Core	0.07	0.63	25



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**Project:** PAK  
**Report Date:** July 08, 2013

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**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

TIM13000019S.1

Method	8X	8X	8X	
Analyte	Cs	Rb	Ta	
Unit	%	%	ppm	
MDL	0.01	0.01	10	
1320438	Drill Core	0.11	0.89	50
1320439	Drill Core	0.10	0.93	41
1320440	Drill Core	0.09	0.77	82
1320441	Drill Core	0.10	0.54	98
1320442	Rock Pulp	0.07	0.27	2337
1320443	Drill Core	0.04	0.34	178
1320444	Rock Pulp	0.64	0.70	73
1320445	Drill Core	0.08	0.85	89
1320446	Drill Core	0.06	0.62	98
1320447	Drill Core	0.04	0.26	156
1320448	Drill Core	0.08	0.75	123
1320449	Drill Core	0.02	0.20	<10
1320450	Drill Core	0.07	0.49	73
1320451	Drill Core	0.07	0.59	73
1320452	Drill Core	0.06	0.59	114
1320453	Drill Core	0.04	0.24	131
1320454	Rock	<0.01	<0.01	<10
1320455	Drill Core	0.04	0.31	106
1320456	Rock Pulp	0.63	0.70	82
1320457	Drill Core	0.03	0.12	58
1320458	Drill Core	0.04	0.23	41
1320459	Drill Core	0.03	0.24	114
1320460	Drill Core	0.04	0.22	57
1320461	Drill Core	0.04	0.27	57
1320462	Drill Core	0.05	0.23	24
1320463	Drill Core	0.04	0.16	<10
1320464	Drill Core	0.02	0.26	50
1320541	Drill Core	0.03	0.05	<10
1320542	Drill Core	0.03	0.07	24
1320543	Drill Core	0.03	0.15	74

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**Project:** PAK  
**Report Date:** July 08, 2013

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## CERTIFICATE OF ANALYSIS

TIM13000019S.1

Method		8X	8X	8X
Analyte		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
1320544	Drill Core	0.06	0.22	240
1320545	Drill Core	0.06	0.47	49
1320690	Drill Core	0.01	0.07	16
1320691	Drill Core	0.05	0.18	66
1320692	Drill Core	0.05	0.16	17
1320693	Drill Core	0.05	0.35	81
1320694	Drill Core	0.03	0.07	33
1320695	Drill Core	0.03	0.12	25
1320696	Drill Core	<0.01	0.08	24
1320682	Drill Core	0.02	0.22	24
1320683	Drill Core	0.07	0.20	<10
1320684	Drill Core	0.02	0.06	<10
1320685	Rock Pulp	8.11	0.42	75
1320686	Drill Core	0.02	0.09	<10
1320687	Rock	<0.01	<0.01	<10
1320688	Drill Core	0.02	0.13	<10
1320689	Drill Core	MISS	MISS	MISS
1320549	Drill Core	0.08	0.08	73



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Project: PAK  
 Report Date: July 08, 2013

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## QUALITY CONTROL REPORT

TIM13000019S.1

Method	8X	8X	8X	
Analyte	Cs	Rb	Ta	
Unit	%	%	ppm	
MDL	0.01	0.01	10	
Pulp Duplicates				
1320340	Drill Core	0.02	0.31	75
REP 1320340	QC	0.01	0.30	49
1320375	Drill Core	0.01	0.09	105
REP 1320375	QC	0.01	0.09	109
1320410	Drill Core	0.02	0.08	122
REP 1320410	QC	0.02	0.08	116
1320431	Drill Core	0.06	0.29	57
REP 1320431	QC	0.06	0.29	66
1320542	Drill Core	0.03	0.07	24
REP 1320542	QC	0.03	0.07	16
Core Reject Duplicates				
1320363	Drill Core	0.01	0.25	67
DUP 1320363	QC	0.02	0.27	65
1320397	Drill Core	0.06	0.37	90
DUP 1320397	QC	0.05	0.36	90
1320641	Drill Core	0.03	0.05	16
DUP 1320641	QC	0.03	0.05	<10
1320451	Drill Core	0.07	0.59	73
DUP 1320451	QC	0.07	0.59	57
1320549	Drill Core	0.08	0.08	73
DUP 1320549	QC	0.08	0.08	66
Reference Materials				
STD MICA-FE(D)	Standard	0.01	0.20	16
STD MICA-FE(D)	Standard	0.01	0.20	24
STD MICA-FE(D)	Standard	0.01	0.20	24
STD MICA-FE(D)	Standard	0.01	0.20	24
STD MICA-FE(D)	Standard	0.02	0.20	24
STD OREAS72B	Standard	<0.01	<0.01	33



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 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: July 08, 2013

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## QUALITY CONTROL REPORT

TIM13000019S.1

		8X Cs %	8X Rb %	8X Ta ppm
		0.01	0.01	10
STD OREAS72B	Standard	<0.01	<0.01	42
STD OREAS72B	Standard	<0.01	<0.01	41
STD OREAS72B	Standard	<0.01	<0.01	41
STD OREAS72B	Standard	<0.01	<0.01	50
STD TAN-1(D)	Standard	0.08	0.27	2416
STD TAN-1(D)	Standard	0.07	0.27	2408
STD TAN-1(D)	Standard	0.08	0.27	2408
STD TAN-1(D)	Standard	0.07	0.27	2400
STD TAN-1(D)	Standard	0.08	0.27	2392
STD VS-N(D)	Standard	0.09	0.08	549
STD VS-N(D)	Standard	0.09	0.08	541
STD VS-N(D)	Standard	0.09	0.08	541
STD VS-N(D)	Standard	0.09	0.08	541
STD VS-N(D)	Standard	0.09	0.08	524
STD OREAS72B Expected				3.69
STD TAN-1(D) Expected				2360
STD VS-N(D) Expected		0.0942		
BLK	Blank	<0.01	<0.01	17
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	16
Prep Wash				
G1	Prep Blank	<0.01	0.01	17
G1	Prep Blank	<0.01	0.01	<10



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Client: Houston Lake Mining
2892 White St.
Val Caron ON P3N 1B2 CANADA

Submitted By: Trevor Walker
Receiving Lab: Canada-Timmins
Received: June 19, 2013
Report Date: June 28, 2013
Page: 1 of 2

CERTIFICATE OF ANALYSIS

TIM13000022.1

CLIENT JOB INFORMATION

Project: PAK
Shipment ID:
P.O. Number
Number of Samples: 1

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Houston Lake Mining
2892 White St.
Val Caron ON P3N 1B2
CANADA

CC: Garth Drever
Steve Beyer

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Procedure Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include R200-250, 4AB2, 7PF1, and 7PF1 with corresponding descriptions and results.

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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**Client:** **Houston Lake Mining**  
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 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 28, 2013

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Part: 1 of 1

# CERTIFICATE OF ANALYSIS

TIM1300022.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
1320697	Drill Core	2.16	78.07	12.82	0.55	0.03	0.24	2.52	3.94	<0.01	0.26	0.16	<0.002	<20	<1	1.1	99.69	42	258	0.5	814.4



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Project: PAK  
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# CERTIFICATE OF ANALYSIS

TIM1300022.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
1320697 Drill Core	41.8	2.2	158.4	4816	118	11.8	231.2	1.8	5.6	<8	4.9	10.8	1.0	1.0	2.1	0.23	0.7	0.09	0.03	0.16





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**Project:** PAK  
**Report Date:** June 28, 2013

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**Part:** 3 of 1

# CERTIFICATE OF ANALYSIS

TIM1300022.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B 2A	Leco 2A	Leco	7PF	7PF
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	
1320697	Drill Core	0.03	0.13	0.04	0.12	0.02	0.16	0.02	<0.02	<0.02	0.11	0.34



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Client: **Houston Lake Mining**  
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 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 28, 2013

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Part: 1 of 1

# QUALITY CONTROL REPORT

TIM1300022.1

Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
Pulp Duplicates																					
1320697	Drill Core	2.16	78.07	12.82	0.55	0.03	0.24	2.52	3.94	<0.01	0.26	0.16	<0.002	<20	<1	1.1	99.69	42	258	0.5	814.4
REP 1320697	QC		78.15	12.79	0.63	0.03	0.22	2.51	3.85	<0.01	0.27	0.16	<0.002	<20	<1	1.1	99.71	40	233	0.5	790.7
Reference Materials																					
STD 183	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD LI-1	Standard																				
STD LIBF	Standard																				
STD LIBF	Standard																				
STD SO-18	Standard		58.09	14.27	7.51	3.41	6.34	3.64	2.11	0.69	0.83	0.40	0.550	29	24	1.9	99.75	537	1	25.9	7.5
STD SO-18	Standard		57.97	14.16	7.72	3.39	6.39	3.63	2.10	0.69	0.83	0.40	0.550	35	24	1.9	99.73	506	<1	27.0	7.6
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD 183 Expected																					
STD LI-1 Expected																					
STD SO-18 Expected			58.47	14.23	7.67	3.35	6.42	3.71	2.17	0.69	0.83	0.39	0.55	44	25			514		26.2	7.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank		<0.01	0.01	0.09	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	0.14	<1	<1	<0.2	<0.1
Prep Wash																					
G1	Prep Blank		66.18	15.49	3.31	1.37	3.75	3.42	4.01	0.39	0.18	0.09	<0.002	<20	5	1.5	99.69	1232	3	4.2	3.9

## QUALITY CONTROL REPORT

TIM1300022.1

Method	Analyte	Unit	MDL	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B		
				Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
				0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
Pulp Duplicates																							
1320697	Drill Core			41.8	2.2	158.4	4816	118	11.8	231.2	1.8	5.6	<8	4.9	10.8	1.0	1.0	2.1	0.23	0.7	0.09	0.03	0.16
REP 1320697	QC			40.1	1.6	139.0	4835	89	11.5	213.0	1.8	5.8	8	5.4	9.7	1.1	1.0	1.9	0.19	0.6	0.12	0.04	0.14
Reference Materials																							
STD 183	Standard																						
STD GS311-1	Standard																						
STD GS910-4	Standard																						
STD LI-1	Standard																						
STD LIBF	Standard																						
STD LIBF	Standard																						
STD SO-18	Standard			17.5	9.3	19.7	28.9	16	402.0	8.3	10.1	16.8	204	14.5	289.5	31.2	12.9	28.0	3.41	13.6	2.86	0.90	2.91
STD SO-18	Standard			18.0	10.0	19.3	28.5	14	403.0	5.6	9.6	15.3	212	15.5	293.0	31.1	13.2	27.1	3.29	15.2	2.92	0.84	2.87
STD GS311-1 Expected																							
STD GS910-4 Expected																							
STD 183 Expected																							
STD LI-1 Expected																							
STD SO-18 Expected				17.6	9.8	21.3	28.7	15	407.4	7.4	9.9	16.4	200	14.8	280	31	12.3	27.1	3.45	14	3	0.89	2.93
BLK	Blank																						
BLK	Blank																						
BLK	Blank																						
BLK	Blank			<0.5	<0.1	0.3	0.3	<1	<0.5	0.5	<0.2	<0.1	<8	<0.5	0.2	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
Prep Wash																							
G1	Prep Blank			17.0	3.6	22.7	133.3	1	745.8	1.7	8.8	3.0	51	<0.5	134.9	16.8	29.4	57.2	6.69	24.9	4.25	1.07	3.60



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Acme Analytical Laboratories (Vancouver) Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2892 White St.  
 Val Caron ON P3N 1B2 CANADA

Project: PAK  
 Report Date: June 28, 2013

Page: 1 of 1

Part: 3 of 1

# QUALITY CONTROL REPORT

TIM1300022.1

Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B 2A	Leco 2A	Leco	7PF	7PF
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01
Pulp Duplicates												
1320697	Drill Core	0.03	0.13	0.04	0.12	0.02	0.16	0.02	<0.02	<0.02	0.11	0.34
REP 1320697	QC	0.02	0.15	0.03	0.12	0.01	0.09	0.02	<0.02	<0.02	0.10	0.35
Reference Materials												
STD 183	Standard											1.82
STD GS311-1	Standard								0.96	2.30		
STD GS910-4	Standard								2.50	8.37		
STD LI-1	Standard											1.51
STD LIBF	Standard										4.34	
STD LIBF	Standard										4.33	
STD SO-18	Standard	0.48	3.05	0.56	1.72	0.28	1.68	0.25				
STD SO-18	Standard	0.48	2.87	0.58	1.75	0.30	1.73	0.26				
STD GS311-1 Expected									1.02	2.35		
STD GS910-4 Expected									2.65	8.27		
STD 183 Expected												1.91402
STD LI-1 Expected												1.53
STD SO-18 Expected		0.53	3	0.62	1.84	0.27	1.79	0.27				
BLK	Blank								<0.02	<0.02		
BLK	Blank											<0.01
BLK	Blank										<0.01	
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01				
Prep Wash												
G1	Prep Blank	0.47	3.04	0.52	1.59	0.25	1.98	0.30	0.21	<0.02	<0.01	<0.01

## CERTIFICATE OF ANALYSIS

YVO14000004.1

### CLIENT JOB INFORMATION

Project: None Given  
Shipment ID: 1  
P.O. Number  
Number of Samples: 237

### SAMPLE DISPOSAL

RTRN-PLP Return  
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
CRUPR	163	Primary crushing entire sample of whole core			YVO
SPTRF	163	Split samples by riffle splitter			YVO
PRP70-250	211	Crush, split and pulverize 250 g rock to 200 mesh			YVO
PULCB	163	Pulverize Ceramic bowl			VAN
PULSW	163	Extra Wash with Glass between each sample			VAN
FA330	56	Fire assay fusion Au Pt Pd by ICP-ES	30	Completed	VAN
LF200	186	Total Whole Rock Characterization	0.2	Completed	VAN
PF370-B	186	Na2O2 fusion digestion, analysis by ICP-ES	0.25	Completed	VAN
PF370-Li	186	Na2O2 fusion, analysis by ICP-ES	0.25	Completed	VAN
GC840	186	Trace level F by specific ion electrode	0.2	Completed	VAN
8X	7	X-Ray Fluorescence / Single element Fusion		Completed	VAN

### ADDITIONAL COMMENTS

Invoice To: Houston Lake Mining  
2736 Belisle Dr.  
Val Caron ON P3N 1B3  
CANADA

CC: Trevor Walker



# CERTIFICATE OF ANALYSIS

YVO1400004.1

Method	WGHT	FA330	FA330	FA330	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	Au	Pt	Pd	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba
Unit	kg	ppb	ppb	ppb	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm
MDL	0.01	2	3	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1
B00096400	Drill Core	2.54			72.65	18.06	0.16	0.04	0.16	1.43	6.66	<0.01	0.22	0.05	<0.002	<20	<1	0.4	99.84	46
B00096401	Drill Core	2.57			73.19	17.92	0.07	0.02	0.07	1.34	6.29	<0.01	0.20	0.06	<0.002	<20	<1	0.7	99.89	40
B00096402	Drill Core	0.52			72.93	17.96	0.11	0.02	0.07	0.79	5.70	<0.01	0.17	0.06	<0.002	<20	<1	2.1	99.92	33
B00096403	Drill Core	2.80			77.85	17.63	0.13	0.03	0.08	0.96	2.16	<0.01	0.11	0.07	<0.002	<20	<1	0.9	99.92	10
B00096404	Drill Core	2.82			76.13	16.11	0.56	0.04	0.35	2.90	2.80	<0.01	0.15	0.13	<0.002	<20	<1	0.7	99.89	46
B00096405	Drill Core	3.00			72.11	17.59	0.50	0.05	0.21	3.26	4.83	<0.01	0.29	0.14	<0.002	<20	<1	0.9	99.90	22
B00096406	Drill Core	1.52			77.37	17.28	0.28	0.02	0.25	1.32	1.41	<0.01	0.54	0.33	<0.002	<20	<1	1.0	99.80	4
B00096407	Drill Core	0.77			79.95	17.35	0.14	0.02	0.04	0.29	0.91	<0.01	0.08	0.07	<0.002	<20	<1	1.1	99.94	5
B00096408	Pulp	0.05			78.55	11.37	0.67	0.02	1.36	2.34	2.33	<0.01	1.16	0.30	0.003	<20	<1	1.6	99.68	13
B00096409	Drill Core	3.16			77.14	18.16	0.10	0.03	0.02	0.08	0.31	<0.01	0.04	0.03	<0.002	<20	<1	4.1	99.98	1
B00096410	Drill Core	2.79			79.95	17.47	0.15	0.04	0.06	0.31	0.69	<0.01	0.12	0.10	<0.002	<20	<1	1.1	99.97	3
B00096411	Drill Core	3.04			75.16	17.35	0.45	0.03	0.20	3.64	1.63	<0.01	0.27	0.15	<0.002	<20	<1	1.0	99.89	8
B00096412	Drill Core	2.81			76.51	18.08	0.23	0.03	0.11	2.25	2.14	<0.01	0.19	0.11	<0.002	<20	<1	0.3	99.95	7
B00096413	Drill Core	2.68			80.88	17.66	0.06	0.03	0.02	0.43	0.26	<0.01	0.05	0.02	<0.002	<20	<1	0.6	99.99	1
B00096414	Pulp	0.09			97.89	0.73	0.10	0.04	0.03	0.01	0.16	0.05	<0.01	<0.01	<0.002	<20	<1	1.0	100.01	13
B00096415	Drill Core	2.82			80.26	17.58	0.08	0.03	0.03	0.72	0.30	<0.01	0.04	0.03	<0.002	<20	<1	0.9	99.96	1
B00096416	Drill Core	2.98			81.18	17.75	0.12	0.04	0.05	0.23	0.22	<0.01	0.05	0.03	<0.002	<20	<1	0.3	99.98	3
B00096417	Drill Core	2.85			80.83	17.61	0.08	0.02	0.03	0.25	0.15	<0.01	0.08	0.02	<0.002	<20	<1	0.9	99.99	1
B00096418	Drill Core	2.67			79.69	17.29	0.13	0.07	0.06	0.57	0.38	<0.01	0.09	0.03	<0.002	<20	<1	1.7	99.98	2
B00096419	Drill Core	2.97			78.59	17.42	0.09	0.03	0.05	0.83	0.53	<0.01	0.05	0.03	<0.002	<20	<1	2.4	99.99	4
B00096420	Drill Core	1.08			73.16	16.17	0.50	0.01	0.21	6.25	2.40	<0.01	0.34	0.16	<0.002	<20	<1	0.7	99.90	5
B00096421	Drill Core	3.13			79.94	17.69	0.12	0.03	0.04	0.50	0.22	<0.01	0.07	0.03	<0.002	<20	<1	1.4	99.98	<1
B00096422	Drill Core	2.42			77.90	18.29	0.17	0.03	0.05	0.69	1.82	<0.01	0.09	0.05	<0.002	<20	<1	0.9	99.94	13
B00096423	Drill Core	2.09			72.82	16.73	0.52	0.02	0.18	8.52	0.38	<0.01	0.34	0.21	<0.002	<20	<1	0.2	99.91	1
B00096424	Drill Core	1.75			73.05	16.40	0.48	0.01	0.20	6.57	2.30	<0.01	0.33	0.15	<0.002	<20	<1	0.4	99.91	6
B00096425	Drill Core	2.24			74.72	16.38	0.33	0.02	0.25	1.46	5.60	<0.01	0.33	0.12	<0.002	<20	<1	0.7	99.93	19
B00096426	Pulp	0.05			67.40	21.05	0.23	0.04	0.16	1.81	2.81	<0.01	0.24	0.03	0.016	<20	<1	2.4	96.22	11
B00096427	Drill Core	2.87			75.50	17.31	0.36	0.05	0.25	1.06	3.91	<0.01	0.29	0.09	<0.002	<20	<1	1.1	99.90	6
B00096428	Drill Core	2.63			75.46	17.40	0.38	0.03	0.23	1.01	4.03	<0.01	0.27	0.10	<0.002	<20	<1	1.0	99.92	8
B00096429	Drill Core	2.41			74.91	17.50	0.57	0.04	0.28	1.24	3.98	<0.01	0.27	0.10	<0.002	<20	<1	1.0	99.90	6

# CERTIFICATE OF ANALYSIS

YVO1400004.1

Method	Analyte	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
		Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.3	
B00096400	Drill Core	211	<0.2	609.1	22.6	0.5	19.1	5384.3	33	8.8	119.1	0.8	0.8	<8	0.7	3.0	0.5	0.5	1.0	0.09	0.5
B00096401	Drill Core	67	<0.2	574.4	24.0	0.8	28.0	5020.8	31	8.7	205.2	1.3	0.9	9	<0.5	3.5	<0.1	0.5	0.4	<0.02	<0.3
B00096402	Drill Core	7	<0.2	690.6	22.3	0.3	16.4	5005.1	29	6.7	36.2	0.5	0.6	<8	1.2	2.2	<0.1	0.2	0.1	<0.02	<0.3
B00096403	Drill Core	113	<0.2	296.2	18.4	0.8	27.0	1537.1	28	4.4	122.1	0.9	1.1	<8	0.6	4.2	0.2	0.1	0.3	<0.02	<0.3
B00096404	Drill Core	122	<0.2	284.1	23.3	1.3	61.3	1250.5	32	17.9	83.0	8.0	3.9	<8	1.7	19.5	5.4	4.8	8.9	0.99	3.6
B00096405	Drill Core	59	<0.2	399.3	39.3	0.8	44.3	4132.7	111	8.5	68.2	1.3	2.6	<8	2.3	5.4	0.7	0.4	0.6	0.03	<0.3
B00096406	Drill Core	276	<0.2	533.5	28.4	1.0	70.0	1953.2	160	4.0	162.5	2.3	2.7	<8	2.4	5.4	0.6	0.4	0.7	0.03	<0.3
B00096407	Drill Core	47	<0.2	342.2	18.9	0.2	28.7	1254.8	63	2.4	78.7	0.2	0.7	<8	1.1	2.4	0.1	<0.1	0.1	<0.02	<0.3
B00096408	Pulp	521	0.5	678.3	35.4	2.1	75.9	3460.3	97	13.3	139.2	8.3	3.9	<8	4.6	19.8	14.9	9.3	20.2	2.40	9.7
B00096409	Drill Core	25	<0.2	199.5	16.1	0.8	3.1	470.5	33	2.0	16.7	0.2	1.2	<8	<0.5	3.8	<0.1	<0.1	<0.1	<0.02	<0.3
B00096410	Drill Core	14	<0.2	201.0	16.6	0.2	7.9	832.0	39	3.7	12.6	0.2	0.5	<8	0.6	1.5	<0.1	<0.1	0.1	<0.02	<0.3
B00096411	Drill Core	129	<0.2	409.7	31.0	1.3	51.5	1887.5	45	6.8	74.2	4.3	4.1	<8	2.6	10.1	1.8	1.0	2.1	0.24	1.0
B00096412	Drill Core	54	<0.2	272.5	23.2	0.7	42.6	1831.0	38	5.2	50.5	2.6	2.8	<8	1.1	3.4	<0.1	<0.1	0.2	<0.02	<0.3
B00096413	Drill Core	8	<0.2	134.3	14.5	0.3	7.2	332.9	28	1.7	16.6	0.8	0.6	<8	<0.5	1.8	<0.1	<0.1	<0.1	<0.02	<0.3
B00096414	Pulp	<1	<0.2	6.6	<0.5	1.5	0.9	5.8	<1	3.7	0.7	1.7	0.2	8	<0.5	61.3	3.7	12.4	24.0	2.95	10.7
B00096415	Drill Core	25	<0.2	216.7	15.5	0.6	43.0	410.4	21	2.6	71.9	1.7	2.0	<8	1.0	3.8	<0.1	0.3	0.2	<0.02	<0.3
B00096416	Drill Core	17	<0.2	181.2	13.4	0.2	8.6	316.3	11	2.6	22.6	0.4	0.6	<8	0.7	1.8	<0.1	0.2	0.1	<0.02	<0.3
B00096417	Drill Core	15	<0.2	127.0	12.6	0.4	9.0	212.4	9	3.2	43.6	0.2	0.6	<8	0.5	2.5	<0.1	<0.1	<0.1	<0.02	<0.3
B00096418	Drill Core	8	<0.2	147.3	12.5	0.4	20.2	360.7	17	5.4	35.4	<0.2	1.2	<8	0.6	4.1	<0.1	<0.1	0.1	<0.02	<0.3
B00096419	Drill Core	4	<0.2	118.9	13.8	0.8	20.0	476.8	11	3.3	22.2	0.5	2.1	<8	0.8	6.4	0.2	0.2	0.1	<0.02	<0.3
B00096420	Drill Core	129	<0.2	147.2	33.5	2.9	62.6	2004.7	74	11.0	74.6	2.5	9.0	<8	1.1	18.7	0.6	0.3	0.6	<0.02	<0.3
B00096421	Drill Core	10	<0.2	82.5	12.8	0.5	17.7	253.4	19	2.3	58.3	<0.2	1.1	<8	<0.5	3.2	<0.1	0.1	<0.1	<0.02	<0.3
B00096422	Drill Core	60	<0.2	294.3	18.3	1.4	15.6	1532.7	26	6.6	38.8	1.2	2.6	<8	1.2	10.1	<0.1	<0.1	<0.1	<0.02	<0.3
B00096423	Drill Core	134	<0.2	104.2	35.6	2.7	56.8	333.5	13	8.3	112.3	2.7	4.7	<8	0.9	14.6	0.5	0.4	0.7	0.03	<0.3
B00096424	Drill Core	122	<0.2	150.9	34.8	3.4	59.1	1919.6	64	11.5	68.7	2.6	9.2	<8	1.0	20.4	0.7	0.3	0.6	0.03	<0.3
B00096425	Drill Core	61	<0.2	358.8	26.8	0.8	29.4	4331.0	51	10.1	24.0	0.7	2.9	<8	1.8	6.2	1.9	0.3	0.8	0.06	<0.3
B00096426	Pulp	23	<0.2	>10000	52.7	1.1	20.5	3972.9	66	22.2	74.9	1.4	2.9	<8	0.9	6.5	<0.1	0.1	<0.1	<0.02	<0.3
B00096427	Drill Core	109	<0.2	345.1	27.8	0.8	41.3	3263.0	61	9.1	46.6	1.0	2.3	<8	1.7	5.6	0.7	0.3	0.5	<0.02	<0.3
B00096428	Drill Core	54	<0.2	335.2	29.7	0.9	35.0	3556.1	97	7.5	43.5	1.0	2.0	<8	1.8	5.1	1.1	0.5	0.5	0.04	0.3
B00096429	Drill Core	93	<0.2	340.8	38.5	1.0	47.8	3720.1	109	6.5	41.8	0.9	3.2	<8	2.4	7.6	1.4	0.5	0.9	0.06	0.3

# CERTIFICATE OF ANALYSIS

YVO14000004.1

Method Analyte	Unit	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
		Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
B00096400	Drill Core	0.08	<0.02	0.08	0.02	0.09	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.89	769		
B00096401	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.95	262		
B00096402	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.14	1316		
B00096403	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.60	373		
B00096404	Drill Core	0.78	0.07	0.79	0.13	0.86	0.17	0.54	0.09	0.65	0.10	<0.02	0.09	0.02	0.81	1010		
B00096405	Drill Core	<0.05	<0.02	0.08	0.02	0.10	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.09	0.51	2746		
B00096406	Drill Core	<0.05	<0.02	<0.05	0.01	0.08	<0.02	0.04	<0.01	0.06	<0.01	<0.02	<0.02	0.05	1.59	4142		
B00096407	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.88	2739		
B00096408	Pulp	2.28	0.38	2.33	0.37	2.41	0.49	1.46	0.23	1.53	0.22	<0.02	<0.02	0.06	0.45	9709		
B00096409	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.20	775		
B00096410	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.91	1250		
B00096411	Drill Core	0.24	<0.02	0.32	0.06	0.37	0.06	0.16	0.02	0.14	0.02	<0.02	<0.02	0.09	1.00	3194		
B00096412	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.34	1169		
B00096413	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.02	590		
B00096414	Pulp	1.78	0.30	1.28	0.15	0.86	0.13	0.38	0.05	0.32	0.06	<0.02	<0.02	<0.01	<0.01	42		
B00096415	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.96	871		
B00096416	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.13	668		
B00096417	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.09	455		
B00096418	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.97	437		
B00096419	Drill Core	<0.05	<0.02	<0.05	<0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.95	403		
B00096420	Drill Core	0.08	<0.02	0.16	0.03	0.13	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.06	0.16	820		
B00096421	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.08	376		
B00096422	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.85	1271		
B00096423	Drill Core	<0.05	0.03	0.07	0.01	0.07	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.09	0.06	682		
B00096424	Drill Core	0.10	<0.02	0.11	0.03	0.10	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.07	0.12	679		
B00096425	Drill Core	0.32	<0.02	0.36	0.10	0.36	0.02	0.05	<0.01	0.07	<0.01	<0.02	<0.02	0.02	0.75	1163		
B00096426	Pulp	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	1.55	615	4.00	0.46
B00096427	Drill Core	0.10	<0.02	0.11	0.04	0.19	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.08	1454		
B00096428	Drill Core	0.11	<0.02	0.20	0.04	0.27	<0.02	<0.03	<0.01	0.05	<0.01	<0.02	<0.02	0.02	1.16	2010		
B00096429	Drill Core	0.22	<0.02	0.31	0.07	0.26	0.02	0.05	<0.01	0.06	<0.01	<0.02	<0.02	0.04	0.96	2640		



# CERTIFICATE OF ANALYSIS

YVO1400004.1

Method	WGHT	FA330	FA330	FA330	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
Analyte	Wgt	Au	Pt	Pd	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	
Unit	kg	ppb	ppb	ppb	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	
MDL	0.01	2	3	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	
B00096430	Drill Core	2.87			74.53	17.14	0.46	0.03	0.23	1.30	5.09	<0.01	0.23	0.07	<0.002	<20	<1	0.8	99.89	21	
B00096431	Drill Core	2.71			72.15	16.46	0.48	0.02	0.59	5.82	2.61	<0.01	0.49	0.33	<0.002	<20	<1	0.9	99.87	9	
B00096432	Pulp	0.08			98.38	0.77	0.08	0.04	0.04	0.05	0.17	0.05	<0.01	<0.01	<0.002	<20	<1	0.4	100.01	14	
B00096433	Drill Core	2.52			71.12	15.76	0.90	0.03	1.55	1.56	4.89	0.01	1.21	0.49	<0.002	<20	<1	2.1	99.60	12	
B00096434	Drill Core	2.77			77.46	17.42	0.25	0.02	0.24	0.54	2.13	<0.01	0.28	0.07	0.002	<20	<1	1.5	99.96	5	
B00096435	Drill Core	2.87			78.31	17.40	0.31	0.03	0.25	0.67	1.13	<0.01	0.27	0.10	<0.002	<20	<1	1.5	99.96	3	
B00096436	Drill Core	2.48			76.67	16.49	0.41	0.03	0.21	0.91	3.45	<0.01	0.21	0.06	<0.002	<20	<1	1.5	99.90	14	
B00096437	Drill Core	2.48			74.49	16.54	0.51	0.02	0.34	4.97	2.00	<0.01	0.37	0.13	<0.002	<20	<1	0.5	99.86	9	
B00096438	Drill Core	0.97			77.87	15.90	0.60	0.05	0.38	0.97	2.08	<0.01	0.54	0.27	<0.002	<20	<1	1.1	99.76	2	
B00096439	Drill Core	2.47			73.29	16.51	0.59	0.02	0.43	4.98	2.50	<0.01	0.45	0.15	<0.002	<20	<1	0.9	99.83	7	
B00096440	Drill Core	2.88			78.00	16.99	0.25	0.09	0.16	0.97	1.40	<0.01	0.27	0.09	<0.002	<20	<1	1.7	99.94	5	
B00096441	Drill Core	2.49			73.64	17.03	0.26	0.03	0.17	1.20	6.09	<0.01	0.30	0.09	<0.002	<20	<1	1.1	99.89	30	
B00096442	Drill Core	2.52			76.20	16.51	0.48	0.03	0.31	2.68	2.29	<0.01	0.35	0.13	<0.002	<20	<1	0.9	99.88	8	
B00096443	Drill Core	2.46			73.37	16.78	0.51	0.02	0.48	5.94	1.36	<0.01	0.45	0.14	<0.002	<20	<1	0.8	99.85	4	
B00096444	Pulp	0.05			79.18	11.16	0.65	0.02	1.33	2.28	2.25	<0.01	1.13	0.30	0.004	<20	<1	1.3	99.66	14	
B00096445	Drill Core	1.33			76.71	16.55	0.63	0.04	0.49	1.01	2.28	<0.01	0.62	0.30	<0.002	<20	<1	1.2	99.81	3	
B00096446	Drill Core	2.40			70.24	17.87	0.14	0.03	0.11	1.11	9.36	<0.01	0.29	0.06	<0.002	<20	<1	0.7	99.92	15	
B00096447	Drill Core	2.55			79.94	16.90	0.15	0.02	0.09	0.55	0.79	<0.01	0.11	0.05	<0.002	<20	<1	1.4	99.97	2	
B00096448	Drill Core	2.70			77.93	17.12	0.27	0.03	0.17	1.33	1.77	<0.01	0.17	0.07	<0.002	<20	<1	1.1	99.96	3	
B00096449	Drill Core	2.55			72.72	16.45	0.78	0.02	0.64	3.07	3.65	<0.01	0.73	0.27	<0.002	<20	<1	1.4	99.76	1	
B00096450	Pulp	0.09			98.27	0.67	0.09	0.04	0.03	0.02	0.15	0.04	0.02	<0.01	<0.002	<20	<1	0.7	100.01	11	
B00096451	Drill Core	2.56			77.35	16.81	0.25	0.03	0.18	0.73	2.97	<0.01	0.42	0.21	<0.002	<20	<1	1.0	99.92	4	
B00096452	Drill Core	2.55			77.01	17.57	0.37	0.03	0.26	0.69	2.43	<0.01	0.29	0.11	<0.002	<20	<1	1.1	99.84	6	
B00096453	Drill Core	2.49			77.62	16.93	0.36	0.03	0.26	0.68	2.39	<0.01	0.30	0.11	<0.002	<20	<1	1.2	99.87	5	
B00096454	Drill Core	2.40			74.97	16.75	0.40	0.03	0.34	2.99	3.18	<0.01	0.31	0.09	<0.002	<20	<1	0.8	99.88	6	
B00096455	Drill Core	2.19			75.22	17.33	0.31	0.05	0.29	1.58	4.01	<0.01	0.32	0.09	<0.002	<20	<1	0.7	99.93	9	
B00096456	Drill Core	1.97			73.48	16.77	0.60	0.05	0.38	4.70	2.45	<0.01	0.31	0.13	<0.002	<20	<1	1.0	99.87	2	
B00096457	Drill Core	2.21			74.20	16.41	0.57	0.12	0.52	4.77	1.64	<0.01	0.43	0.25	<0.002	<20	<1	1.0	99.90	4	
B00096458	Drill Core	1.59			74.66	16.83	0.39	0.03	0.27	3.10	3.34	<0.01	0.31	0.11	<0.002	<20	<1	0.9	99.92	8	
B00096459	Drill Core	1.55	4	<3	5	74.04	13.34	6.67	0.59	0.24	0.55	1.49	0.25	0.18	0.17	0.012	94	7	2.2	99.70	63

# CERTIFICATE OF ANALYSIS

YVO14000004.1

Method Analyte Unit MDL	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	
B00096430	Drill Core	107	<0.2	374.9	30.0	0.7	48.8	4138.4	87	6.5	52.1	0.9	3.2	<8	1.6	4.9	1.2	0.5	0.9	0.06	<0.3
B00096431	Drill Core	116	<0.2	275.7	39.0	3.3	91.1	2266.9	58	29.3	143.6	5.0	12.3	<8	2.2	20.9	2.0	8.3	14.4	1.46	5.0
B00096432	Pulp	<1	<0.2	1.2	<0.5	1.6	0.8	5.2	<1	3.7	1.4	2.4	0.3	<8	<0.5	60.6	3.3	13.2	25.0	3.00	10.3
B00096433	Drill Core	432	<0.2	790.5	68.1	4.2	190.9	5729.2	477	34.0	162.2	11.8	20.5	<8	7.4	27.4	5.0	4.7	7.6	0.81	2.8
B00096434	Drill Core	45	<0.2	213.5	21.7	0.1	28.5	1975.6	49	5.5	40.0	0.7	0.9	18	1.7	0.7	1.1	1.7	1.2	0.09	<0.3
B00096435	Drill Core	64	<0.2	138.9	21.2	0.5	32.9	1159.2	40	5.0	37.5	0.6	1.4	<8	1.6	3.6	1.1	0.5	0.8	0.05	<0.3
B00096436	Drill Core	149	<0.2	274.6	28.6	0.6	45.4	3022.8	56	7.1	35.9	1.4	5.6	18	1.7	5.1	0.9	2.0	1.5	0.15	0.5
B00096437	Drill Core	210	<0.2	231.2	33.1	2.1	77.4	1807.2	48	10.4	89.9	3.9	9.6	<8	1.9	12.8	0.7	0.4	0.7	0.04	<0.3
B00096438	Drill Core	347	<0.2	441.7	42.7	0.3	121.0	2761.7	207	16.6	97.1	5.4	3.2	<8	3.5	1.7	<0.1	<0.1	0.2	<0.02	<0.3
B00096439	Drill Core	220	<0.2	363.8	40.5	1.7	105.2	2587.4	84	26.9	123.4	2.8	9.2	<8	3.0	9.7	0.5	0.3	0.4	<0.02	<0.3
B00096440	Drill Core	61	<0.2	222.1	22.0	0.8	30.6	1397.6	78	7.4	69.9	0.8	2.1	<8	1.1	4.4	0.2	0.1	0.2	<0.02	<0.3
B00096441	Drill Core	115	<0.2	438.4	25.0	1.3	41.4	4950.8	51	11.9	56.8	1.8	7.5	<8	1.5	8.8	0.3	0.1	0.2	<0.02	<0.3
B00096442	Drill Core	146	<0.2	252.2	32.8	1.1	73.8	2424.0	71	14.0	74.3	2.0	7.4	19	2.2	8.8	0.5	0.4	0.3	<0.02	<0.3
B00096443	Drill Core	233	<0.2	150.1	38.9	1.9	90.4	1556.7	92	30.6	126.2	3.4	8.0	<8	2.5	10.5	0.2	0.7	0.5	<0.02	<0.3
B00096444	Pulp	562	0.5	682.7	37.4	2.4	78.9	3618.8	100	13.1	148.2	8.0	3.9	<8	5.5	17.3	15.1	10.2	21.1	2.68	10.4
B00096445	Drill Core	202	<0.2	418.8	46.5	0.6	112.9	3062.8	208	15.9	95.1	5.4	4.9	<8	3.9	3.7	0.1	0.2	0.2	<0.02	<0.3
B00096446	Drill Core	101	<0.2	456.1	24.2	0.1	19.0	8619.8	24	8.9	31.9	1.1	0.6	<8	1.0	0.4	<0.1	0.1	<0.1	<0.02	<0.3
B00096447	Drill Core	68	<0.2	74.2	17.0	0.8	28.0	784.8	18	2.4	47.4	0.7	1.0	<8	<0.5	1.5	<0.1	<0.1	<0.1	<0.02	<0.3
B00096448	Drill Core	68	<0.2	129.9	20.1	0.2	29.1	1652.1	35	7.6	30.3	0.9	2.7	<8	1.2	1.5	<0.1	0.1	0.1	<0.02	<0.3
B00096449	Drill Core	360	<0.2	325.1	51.9	1.3	133.0	3970.6	123	25.1	154.8	3.9	4.8	<8	4.6	6.8	0.3	0.2	0.2	<0.02	<0.3
B00096450	Pulp	<1	<0.2	0.7	<0.5	1.5	1.0	7.7	<1	3.5	1.0	2.0	0.3	<8	<0.5	55.8	3.5	14.3	26.0	3.26	12.9
B00096451	Drill Core	110	<0.2	199.4	23.4	0.3	38.6	2953.1	31	8.7	78.3	1.6	0.8	<8	0.6	1.3	<0.1	0.1	<0.1	<0.02	<0.3
B00096452	Drill Core	280	<0.2	269.9	27.4	0.3	40.1	2419.4	91	7.5	51.2	2.4	2.3	<8	1.8	1.7	0.2	0.2	0.3	<0.02	<0.3
B00096453	Drill Core	214	<0.2	245.1	27.1	0.3	41.6	2436.1	88	7.5	57.1	2.8	2.2	<8	1.8	1.2	0.1	0.2	0.4	<0.02	<0.3
B00096454	Drill Core	153	<0.2	242.0	35.7	1.8	47.4	3026.1	109	9.9	75.4	3.2	9.0	<8	2.0	10.6	0.3	0.4	0.4	<0.02	<0.3
B00096455	Drill Core	89	<0.2	225.5	27.4	0.6	43.9	3613.7	44	9.7	46.7	1.3	3.8	<8	1.4	4.0	0.5	0.5	0.5	0.02	<0.3
B00096456	Drill Core	154	<0.2	185.7	46.3	2.3	79.3	2519.1	110	11.3	93.4	3.8	4.9	<8	2.7	13.4	0.9	0.7	1.1	0.08	0.4
B00096457	Drill Core	121	<0.2	136.0	35.0	2.2	56.2	1643.4	62	16.8	76.7	2.9	5.1	<8	1.4	14.6	1.1	2.0	3.6	0.31	1.0
B00096458	Drill Core	62	<0.2	179.0	33.3	1.1	44.3	2998.3	179	11.5	52.7	1.6	2.8	<8	1.8	8.0	0.3	0.2	0.4	<0.02	<0.3
B00096459	Drill Core	97	26.3	256.8	29.5	1.4	26.2	1803.2	871	98.5	35.1	3.3	1.5	69	2.1	37.4	7.6	10.3	19.9	2.05	7.7

# CERTIFICATE OF ANALYSIS

YVO14000004.1

Method Analyte	Unit	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
		Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
B00096430	Drill Core	0.12	<0.02	0.17	0.04	0.20	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.87	2019		
B00096431	Drill Core	0.97	0.17	0.86	0.08	0.36	0.03	0.09	0.01	0.05	<0.01	0.06	<0.02	0.06	0.19	1391		
B00096432	Pulp	1.85	0.36	1.27	0.14	0.74	0.10	0.33	0.06	0.36	0.06	<0.02	<0.02	<0.01	<0.01	58		
B00096433	Drill Core	0.72	0.15	0.90	0.17	0.87	0.11	0.31	0.04	0.30	0.05	0.05	<0.02	0.07	0.31	7941		
B00096434	Drill Core	0.13	<0.02	0.21	0.05	0.22	0.02	0.03	<0.01	0.05	<0.01	<0.02	<0.02	<0.01	1.65	1393		
B00096435	Drill Core	0.16	0.02	0.15	0.04	0.19	0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.77	945		
B00096436	Drill Core	0.07	<0.02	0.14	0.03	0.14	<0.02	0.04	0.01	0.05	<0.01	<0.02	<0.02	0.01	1.14	1497		
B00096437	Drill Core	<0.05	<0.02	0.07	0.02	0.09	<0.02	<0.03	<0.01	0.05	<0.01	<0.02	<0.02	0.07	0.51	1179		
B00096438	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	1.20	4288		
B00096439	Drill Core	<0.05	<0.02	<0.05	<0.01	0.09	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.07	0.36	2657		
B00096440	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.73	1065		
B00096441	Drill Core	<0.05	<0.02	<0.05	<0.01	0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.88	1240		
B00096442	Drill Core	<0.05	<0.02	<0.05	<0.01	0.08	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.97	2261		
B00096443	Drill Core	<0.05	<0.02	<0.05	<0.01	0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.07	0.37	2000		
B00096444	Pulp	2.41	0.41	2.29	0.40	2.61	0.53	1.65	0.25	1.64	0.24	<0.02	<0.02	0.07	0.51	>10000		
B00096445	Drill Core	<0.05	<0.02	<0.05	<0.01	0.07	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	1.21	4320		
B00096446	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.60	603		
B00096447	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.03	231		
B00096448	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.62	757		
B00096449	Drill Core	<0.05	<0.02	<0.05	0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.40	3814		
B00096450	Pulp	2.18	0.38	1.33	0.16	0.80	0.12	0.28	0.05	0.33	0.05	<0.02	<0.02	<0.01	<0.01	84		
B00096451	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.51	352		
B00096452	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.51	1430		
B00096453	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.47	1129		
B00096454	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.76	1832		
B00096455	Drill Core	<0.05	<0.02	0.06	0.02	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.15	791		
B00096456	Drill Core	0.11	0.03	0.18	0.02	0.13	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.06	0.36	1796		
B00096457	Drill Core	0.31	0.10	0.33	0.04	0.21	0.03	0.05	<0.01	0.05	<0.01	0.03	<0.02	0.07	0.58	1472		
B00096458	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.73	1263		
B00096459	Drill Core	1.64	0.46	1.69	0.27	1.57	0.26	0.85	0.11	0.88	0.13	0.03	1.84	0.52	0.13	3539		

# CERTIFICATE OF ANALYSIS

YVO14000004.1

Method	WGHT	FA330	FA330	FA330	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
Analyte	Wgt	Au	Pt	Pd	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	
Unit	kg	ppb	ppb	ppb	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	
MDL	0.01	2	3	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	
B00096460	Drill Core	1.09	5	16	9	66.60	15.26	11.81	1.09	0.25	0.78	0.40	0.37	0.13	0.16	0.018	127	12	2.8	99.72	142
B00096461	Drill Core	1.86	<2	<3	<2	72.86	16.39	3.97	0.28	0.17	1.75	2.48	0.08	0.15	0.20	0.004	<20	2	1.5	99.80	25
B00096462	Drill Core	1.38	10	7	5	66.84	15.55	11.43	0.91	0.23	0.75	0.43	0.37	0.12	0.16	0.017	126	10	2.9	99.72	144
B00096463	Drill Core	1.33	<2	4	2	69.48	16.11	3.74	0.17	0.16	1.08	2.95	0.11	0.10	0.10	0.005	34	3	2.3	96.32	62
B00096464	Drill Core	1.42				74.13	15.70	0.47	0.02	0.29	6.48	1.08	<0.01	0.30	0.12	<0.002	<20	<1	1.3	99.91	<1
B00096465	Drill Core	2.53				74.72	16.21	0.39	0.03	0.40	5.13	1.99	<0.01	0.35	0.08	<0.002	<20	<1	0.6	99.90	5
B00096466	Drill Core	2.23				74.41	16.33	0.48	0.06	0.35	4.68	2.14	<0.01	0.29	0.08	<0.002	<20	<1	1.1	99.89	4
B00096467	Drill Core	2.39				73.42	15.99	0.51	0.01	0.52	7.15	0.89	<0.01	0.43	0.10	<0.002	<20	<1	0.8	99.86	2
B00096468	Pulp	0.05				72.59	16.12	0.44	0.05	0.24	2.88	5.61	<0.01	0.31	0.02	0.035	<20	1	1.1	99.39	16
B00096469	Drill Core	2.69				72.62	16.49	0.61	0.01	0.46	6.79	1.64	<0.01	0.41	0.11	<0.002	<20	<1	0.7	99.84	<1
B00096470	Drill Core	2.05				72.28	16.77	0.55	0.03	0.32	6.24	2.48	<0.01	0.28	0.17	<0.002	<20	<1	0.7	99.84	<1
B00096471	Drill Core	2.50				72.25	16.45	0.50	0.02	0.42	5.74	3.07	<0.01	0.35	0.12	<0.002	<20	<1	0.9	99.84	3
B00096472	Drill Core	2.45				73.86	16.74	0.37	0.04	0.36	5.31	2.09	<0.01	0.32	0.08	<0.002	<20	<1	0.7	99.89	4
B00096473	Drill Core	2.34				74.04	16.34	0.44	0.03	0.37	3.61	3.68	<0.01	0.36	0.10	<0.002	<20	<1	0.9	99.88	3
B00096474	Pulp	0.09				98.65	0.68	0.08	0.04	0.03	0.02	0.14	0.05	0.01	<0.01	<0.002	<20	<1	0.3	100.01	11
B00096475	Drill Core	2.49				74.76	16.18	0.32	0.03	0.32	2.28	4.83	<0.01	0.31	0.07	<0.002	<20	<1	0.8	99.92	10
B00096476	Drill Core	1.65				75.07	16.35	0.40	0.04	0.36	2.67	3.45	<0.01	0.35	0.13	<0.002	<20	<1	1.1	99.88	7
B00096477	Drill Core	2.43				78.81	16.24	0.36	0.09	0.26	0.76	2.03	<0.01	0.33	0.16	<0.002	<20	<1	0.9	99.95	<1
B00096478	Drill Core	2.53				79.45	17.41	0.22	0.04	0.14	0.74	0.78	<0.01	0.14	0.07	<0.002	<20	<1	1.0	99.98	<1
B00096479	Drill Core	3.10				74.26	16.27	0.33	0.04	0.34	3.95	3.44	<0.01	0.33	0.09	<0.002	<20	<1	0.8	99.89	7
B00096480	Drill Core	0.92				75.13	16.12	0.42	0.13	0.33	4.60	1.75	<0.01	0.29	0.10	<0.002	<20	<1	1.0	99.89	2
B00096481	Drill Core	1.19				75.06	15.73	0.40	0.10	0.35	4.76	1.99	<0.01	0.35	0.14	<0.002	<20	<1	1.0	99.90	2
B00096482	Drill Core	2.23				76.25	16.44	0.47	0.27	0.21	2.76	2.36	<0.01	0.16	0.09	<0.002	<20	<1	0.9	99.92	6
B00096483	Drill Core	2.23				73.41	16.72	0.34	0.08	0.24	4.19	3.59	<0.01	0.27	0.14	<0.002	<20	<1	0.9	99.89	6
B00096484	Drill Core	2.49				76.66	16.74	0.26	0.05	0.27	2.04	2.36	<0.01	0.31	0.12	<0.002	<20	<1	1.1	99.91	1
B00096485	Drill Core	2.58				75.33	17.01	0.25	0.03	0.21	4.37	1.82	<0.01	0.24	0.10	<0.002	<20	<1	0.6	99.95	5
B00096486	Pulp	0.05				70.54	19.16	0.43	0.04	0.19	2.27	3.96	<0.01	0.26	0.03	0.033	46	<1	1.2	98.10	10
B00096487	Drill Core	1.90				72.07	16.40	4.39	0.49	0.77	1.02	2.32	0.10	0.27	0.16	0.005	48	3	1.9	99.89	82
B00096490	Drill Core	2.31				72.18	16.73	0.42	0.01	0.41	7.19	1.14	<0.01	0.54	0.25	<0.002	<20	<1	1.0	99.85	4
B00096491	Drill Core	3.10				72.43	16.81	0.43	0.01	0.35	7.56	0.95	<0.01	0.50	0.21	<0.002	<20	<1	0.6	99.86	<1

# CERTIFICATE OF ANALYSIS

YVO1400004.1

Method Analyte	Unit MDL	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3
B00096460	Drill Core	16	28.4	275.9	18.0	1.9	5.0	547.4	26	140.4	3.1	5.0	1.4	95	1.3	60.3	11.3	16.6	31.3	3.29	12.1
B00096461	Drill Core	131	4.8	296.9	41.0	1.9	52.2	2738.1	548	29.5	72.2	2.8	4.0	21	2.2	17.6	2.7	3.1	5.5	0.63	2.2
B00096462	Drill Core	13	33.0	229.6	18.6	1.9	7.1	535.5	37	130.2	7.6	5.2	1.5	91	1.7	55.9	11.5	15.9	30.5	3.34	12.7
B00096463	Drill Core	104	7.1	230.1	40.7	9.4	307.1	2720.0	>10000	60.2	1198.7	2.5	2.4	26	3.0	44.4	3.0	3.9	7.4	0.74	2.8
B00096464	Drill Core	120	<0.2	99.3	42.4	3.4	60.0	1279.4	133	9.1	64.7	3.7	6.5	<8	2.8	19.9	0.4	0.4	0.6	<0.02	<0.3
B00096465	Drill Core	159	<0.2	92.9	33.7	1.4	61.2	1892.4	62	13.0	73.8	2.2	4.7	<8	1.2	9.3	0.3	0.3	0.3	<0.02	<0.3
B00096466	Drill Core	185	<0.2	79.7	32.9	2.0	53.4	1962.0	52	11.0	67.8	2.0	4.6	8	1.5	9.9	0.4	0.6	0.3	<0.02	<0.3
B00096467	Drill Core	209	<0.2	110.7	41.3	2.9	89.3	1054.4	64	14.9	132.5	3.8	6.9	<8	2.4	19.2	0.7	0.5	0.3	<0.02	<0.3
B00096468	Pulp	38	<0.2	5503.9	56.5	1.0	20.3	6755.8	60	21.7	62.3	1.7	3.4	<8	0.6	6.2	<0.1	0.3	0.1	<0.02	<0.3
B00096469	Drill Core	255	<0.2	124.9	43.5	2.3	97.8	1812.3	62	16.2	142.1	4.0	8.2	<8	2.8	15.3	0.8	0.7	0.7	0.05	<0.3
B00096470	Drill Core	252	<0.2	172.8	40.7	2.0	83.3	2668.0	88	10.7	147.8	3.9	6.2	<8	3.3	11.1	0.9	1.9	3.0	0.28	0.9
B00096471	Drill Core	235	<0.2	188.8	39.1	2.7	92.4	3145.2	80	14.1	169.7	3.4	8.4	<8	3.1	16.2	0.7	0.6	0.7	0.05	<0.3
B00096472	Drill Core	198	<0.2	123.5	36.1	1.9	60.9	2090.0	38	12.5	116.7	2.2	6.4	<8	1.8	10.5	0.7	0.5	0.5	0.04	<0.3
B00096473	Drill Core	176	<0.2	200.7	39.3	1.2	45.7	3578.5	76	11.8	94.9	1.3	2.7	<8	2.3	5.3	0.3	0.4	0.3	<0.02	<0.3
B00096474	Pulp	<1	0.3	0.3	<0.5	1.5	1.1	5.9	<1	3.8	0.3	2.0	0.3	<8	<0.5	55.7	3.5	13.4	26.8	3.35	12.2
B00096475	Drill Core	163	<0.2	184.0	29.5	0.3	38.0	4067.1	47	12.4	41.2	0.8	1.7	<8	1.7	2.0	0.4	0.6	0.9	0.06	<0.3
B00096476	Drill Core	209	<0.2	160.0	33.0	0.9	54.9	3138.1	69	13.8	90.2	1.5	2.4	<8	2.2	3.4	0.7	1.7	2.9	0.21	0.7
B00096477	Drill Core	70	<0.2	132.5	25.0	0.8	30.8	1992.1	59	8.8	39.6	1.2	1.7	<8	1.6	4.5	0.5	0.6	0.6	0.05	<0.3
B00096478	Drill Core	56	<0.2	56.5	20.7	0.3	14.4	839.3	34	6.3	23.7	0.6	0.9	<8	0.7	1.6	0.2	0.2	0.1	<0.02	<0.3
B00096479	Drill Core	185	<0.2	166.1	33.2	1.8	48.8	3213.3	59	16.2	91.9	3.5	5.8	<8	1.2	9.9	0.3	0.5	0.7	0.06	<0.3
B00096480	Drill Core	147	<0.2	109.6	36.2	1.8	49.5	1791.8	158	17.8	70.3	3.3	4.6	<8	1.6	9.9	1.4	1.4	1.9	0.17	0.6
B00096481	Drill Core	137	<0.2	120.7	38.3	1.5	50.1	2010.4	140	18.6	72.9	2.8	4.3	<8	1.5	8.4	1.3	2.1	3.1	0.29	1.1
B00096482	Drill Core	120	<0.2	125.4	25.5	1.4	34.9	2333.6	150	16.2	52.9	3.0	3.7	<8	1.0	7.8	0.4	0.5	0.8	0.06	<0.3
B00096483	Drill Core	168	<0.2	160.7	34.9	2.0	50.2	3421.2	104	13.5	62.5	3.7	5.9	<8	1.6	10.9	0.4	0.5	0.6	0.06	<0.3
B00096484	Drill Core	161	<0.2	113.5	26.5	0.6	43.5	2302.1	38	10.3	62.2	2.4	3.8	<8	1.2	3.0	0.2	0.3	0.4	<0.02	<0.3
B00096485	Drill Core	83	<0.2	76.4	29.7	1.8	34.2	1660.9	35	10.3	88.2	2.6	6.3	<8	1.0	9.0	0.2	0.2	0.4	<0.02	<0.3
B00096486	Pulp	31	0.8	>10000	53.9	1.3	20.4	4737.1	60	20.2	68.2	1.4	3.0	<8	1.1	7.4	<0.1	0.4	0.3	<0.02	<0.3
B00096487	Drill Core	101	36.8	103.2	33.3	1.5	32.2	2056.1	44	39.2	74.7	2.3	2.6	31	1.8	20.2	2.7	5.0	8.8	0.92	3.4
B00096490	Drill Core	195	<0.2	174.0	46.3	1.9	95.4	1155.4	100	18.0	218.4	6.9	5.8	<8	1.9	10.2	2.2	1.5	2.8	0.28	1.0
B00096491	Drill Core	135	<0.2	241.7	48.6	2.8	69.9	1111.0	157	12.6	186.0	3.0	4.5	<8	1.4	12.6	0.5	1.0	1.2	0.12	0.5

# CERTIFICATE OF ANALYSIS

YVO14000004.1

Method Analyte	Unit	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
		Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
B00096460	Drill Core	2.63	0.79	2.76	0.41	2.15	0.41	1.20	0.18	1.10	0.18	0.04	3.50	0.53	0.13	2344		
B00096461	Drill Core	0.55	0.13	0.52	0.09	0.43	0.08	0.21	0.03	0.21	0.04	<0.02	0.33	0.30	0.32	3391		
B00096462	Drill Core	2.50	0.80	2.49	0.42	2.13	0.42	1.00	0.16	1.01	0.17	0.05	3.51	0.45	0.13	2433		
B00096463	Drill Core	0.54	0.18	0.66	0.10	0.58	0.11	0.30	0.04	0.28	0.05	<0.02	0.56	<0.01	0.07	2720		
B00096464	Drill Core	0.06	<0.02	<0.05	0.01	0.09	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	0.12	1420		
B00096465	Drill Core	<0.05	<0.02	0.06	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.45	709		
B00096466	Drill Core	<0.05	<0.02	0.07	<0.01	0.07	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.46	777		
B00096467	Drill Core	0.07	<0.02	0.12	0.03	0.14	<0.02	0.04	<0.01	0.05	<0.01	<0.02	<0.02	0.06	0.06	1628		
B00096468	Pulp	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	0.41	485		
B00096469	Drill Core	0.13	<0.02	0.15	0.03	0.13	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.06	0.09	1087		
B00096470	Drill Core	0.26	0.04	0.23	0.04	0.16	0.02	0.04	<0.01	0.05	<0.01	0.03	<0.02	0.04	0.12	1236		
B00096471	Drill Core	0.08	<0.02	0.09	0.03	0.11	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.14	1514		
B00096472	Drill Core	0.06	<0.02	0.11	0.02	0.08	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.54	799		
B00096473	Drill Core	<0.05	<0.02	<0.05	<0.01	0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	0.55	1515		
B00096474	Pulp	2.18	0.35	1.39	0.17	0.79	0.14	0.33	0.05	0.34	0.05	<0.02	<0.02	<0.01	<0.01	57		
B00096475	Drill Core	<0.05	<0.02	<0.05	0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.77	873		
B00096476	Drill Core	0.15	0.04	0.14	0.02	0.13	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.73	1025		
B00096477	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.38	962		
B00096478	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.76	260		
B00096479	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.46	691		
B00096480	Drill Core	0.16	0.07	0.25	0.04	0.15	0.02	0.06	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	0.55	830		
B00096481	Drill Core	0.26	0.08	0.33	0.03	0.18	0.03	0.05	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	0.43	933		
B00096482	Drill Core	0.07	<0.02	0.09	0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	0.02	<0.02	<0.01	1.01	594		
B00096483	Drill Core	0.06	<0.02	0.08	0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.02	<0.02	<0.01	0.51	804		
B00096484	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.35	555		
B00096485	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.00	302		
B00096486	Pulp	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.08	<0.02	<0.01	1.26	433	2.05	0.56
B00096487	Drill Core	0.66	0.21	0.62	0.10	0.51	0.10	0.27	0.04	0.26	0.04	0.02	1.25	0.23	0.45	1251		
B00096490	Drill Core	0.26	0.03	0.30	0.05	0.27	0.05	0.17	0.02	0.15	0.02	<0.02	<0.02	0.10	0.14	1594		
B00096491	Drill Core	0.06	0.02	0.07	<0.01	0.06	<0.02	0.04	<0.01	0.06	<0.01	<0.02	<0.02	0.12	0.18	2000		

# CERTIFICATE OF ANALYSIS

YVO1400004.1

Method	WGHT	FA330	FA330	FA330	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	Au	Pt	Pd	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba
Unit	kg	ppb	ppb	ppb	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm
MDL	0.01	2	3	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1
B00096492	Pulp	0.09			98.02	0.69	0.13	0.04	0.03	0.02	0.15	0.05	<0.01	<0.01	<0.002	<20	<1	0.9	100.01	13
B00096493	Drill Core	1.82			71.15	17.12	0.38	0.02	0.30	5.91	3.86	<0.01	0.38	0.15	<0.002	<20	<1	0.6	99.87	31
B00096494	Drill Core	2.60			75.80	13.85	1.01	0.05	0.65	3.48	4.09	0.01	0.16	0.08	<0.002	<20	2	0.7	99.88	225
B00096495	Drill Core	2.36			75.48	15.26	0.55	0.04	0.44	2.68	3.41	<0.01	0.47	0.20	<0.002	<20	<1	1.2	99.78	49
B00096496	Drill Core	3.45			75.54	13.80	0.98	0.04	0.63	3.43	4.15	<0.01	0.04	0.06	<0.002	<20	3	1.2	99.92	171
B00096497	Drill Core	1.21			73.13	17.01	0.16	0.03	0.13	2.98	5.86	<0.01	0.24	0.06	<0.002	<20	<1	0.3	99.91	46
B00096498	Drill Core	0.98			71.86	17.27	0.15	0.02	0.14	3.67	6.04	<0.01	0.23	0.05	<0.002	<20	<1	0.5	99.93	51
B00096499	Drill Core	2.66			76.75	16.62	0.19	0.03	0.10	2.51	1.44	<0.01	0.12	0.07	<0.002	<20	<1	2.0	99.85	6
B00096500	Drill Core	2.22			76.08	17.20	0.29	0.09	0.22	3.48	1.72	0.01	0.24	0.08	0.008	<20	<1	0.5	99.92	6
B00096501	Drill Core	1.63			74.24	16.55	0.33	0.05	0.18	1.64	4.54	<0.01	0.41	0.14	<0.002	<20	<1	1.8	99.87	22
B00096502	Drill Core	2.52			76.41	13.79	1.03	0.06	0.57	3.62	3.76	<0.01	0.09	0.09	<0.002	<20	2	0.5	99.92	139
B00096503	Drill Core	2.72			74.27	17.56	0.34	0.03	0.18	4.77	1.98	<0.01	0.27	0.14	<0.002	<20	<1	0.3	99.85	9
B00096504	Pulp	0.05			79.34	11.03	0.65	0.02	1.32	2.27	2.28	<0.01	1.13	0.29	0.003	<20	<1	1.3	99.66	13
B00096505	Drill Core	1.76			73.12	16.18	0.54	0.02	0.36	7.13	1.18	<0.01	0.46	0.23	<0.002	<20	<1	0.6	99.84	2
B00096506	Drill Core	2.63			74.83	17.07	0.40	0.03	0.17	5.16	1.26	<0.01	0.20	0.10	<0.002	<20	<1	0.7	99.92	<1
B00096507	Drill Core	1.96			74.29	16.23	0.45	0.04	0.26	6.81	0.62	<0.01	0.40	0.24	<0.002	<20	<1	0.5	99.86	2
B00096508	Drill Core	2.70			74.54	16.54	0.38	0.04	0.22	5.69	1.17	<0.01	0.32	0.19	<0.002	<20	<1	0.8	99.90	4
B00096509	Drill Core	2.43			76.89	17.57	0.23	0.03	0.12	2.13	2.08	<0.01	0.26	0.12	<0.002	<20	<1	0.5	99.92	9
B00096510	Pulp	0.09			98.39	0.68	0.08	0.04	0.03	0.02	0.15	0.05	<0.01	<0.01	<0.002	<20	<1	0.6	100.02	16
B00096511	Drill Core	2.85			73.92	18.00	0.11	0.04	0.05	1.07	5.78	<0.01	0.22	0.03	<0.002	<20	<1	0.7	99.92	31
B00096512	Drill Core	2.02			72.86	18.57	0.07	0.03	0.06	0.96	6.35	<0.01	0.27	0.02	<0.002	<20	<1	0.7	99.93	37
B00096513	Drill Core	2.99			79.55	17.98	0.10	0.02	0.02	0.47	0.62	<0.01	0.07	0.03	<0.002	<20	<1	1.1	99.91	3
B00096514	Drill Core	2.77			80.29	17.49	0.08	0.03	0.03	0.25	0.44	<0.01	0.06	0.04	<0.002	<20	<1	1.3	99.96	3
B00096515	Drill Core	2.33			78.32	16.80	0.13	0.02	0.06	3.30	0.29	<0.01	0.12	0.07	<0.002	<20	<1	0.8	99.91	2
B00096516	Drill Core	0.71			73.38	16.85	0.54	0.02	0.37	7.62	0.22	<0.01	0.38	0.15	<0.002	<20	<1	0.4	99.93	2
B00096517	Drill Core	1.38			78.24	17.24	0.29	0.02	0.14	2.30	0.56	<0.01	0.21	0.12	<0.002	<20	<1	0.8	99.93	1
B00096518	Drill Core	0.96			72.83	17.32	0.63	0.02	0.31	7.64	0.25	<0.01	0.36	0.16	<0.002	<20	<1	0.4	99.94	1
B00096519	Drill Core	3.14			77.87	17.43	0.20	0.03	0.14	1.07	2.10	<0.01	0.23	0.07	<0.002	<20	<1	0.8	99.94	11
B00096520	Drill Core	2.58			72.94	16.99	0.68	0.03	0.39	7.33	0.56	<0.01	0.36	0.12	<0.002	<20	<1	0.5	99.91	3
B00096521	Drill Core	2.21			73.14	16.12	0.62	0.03	0.23	6.60	2.37	<0.01	0.25	0.10	<0.002	<20	<1	0.4	99.88	7

# CERTIFICATE OF ANALYSIS

YVO14000004.1

Method	Analyte	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3
B00096492	Pulp	<1	0.8	0.5	2.5	1.6	1.1	5.3	<1	4.0	0.2	1.7	0.3	<8	<0.5	60.6	3.0	11.8	21.4	2.78	10.7
B00096493	Drill Core	55	<0.2	439.8	42.5	3.9	66.6	3147.4	235	23.3	181.2	3.8	4.3	<8	1.9	18.4	1.9	1.8	3.8	0.39	1.4
B00096494	Drill Core	17	<0.2	653.9	14.0	2.4	11.5	2060.4	23	55.1	15.3	15.1	5.8	<8	3.0	46.9	12.9	14.2	28.3	3.27	11.7
B00096495	Drill Core	285	<0.2	623.7	30.9	1.5	59.5	3672.1	95	11.8	129.7	7.8	4.9	<8	4.0	16.3	4.3	3.8	8.5	0.97	3.3
B00096496	Drill Core	16	<0.2	415.9	13.6	2.2	9.8	1448.6	24	44.6	4.7	14.9	6.7	<8	3.2	45.8	13.5	12.2	25.4	2.92	10.6
B00096497	Drill Core	65	<0.2	415.9	26.0	0.6	37.5	4837.9	75	15.3	88.8	1.4	2.4	<8	0.8	3.8	0.8	0.4	0.6	0.07	<0.3
B00096498	Drill Core	26	<0.2	398.5	28.3	1.1	24.1	5057.9	79	15.2	54.7	1.1	1.7	<8	0.8	6.7	1.0	0.6	1.3	0.12	0.5
B00096499	Drill Core	248	<0.2	292.5	30.7	1.1	29.3	1600.6	228	5.0	58.7	1.3	2.5	<8	1.6	5.7	0.6	0.4	0.7	0.06	<0.3
B00096500	Drill Core	65	<0.2	291.7	32.0	1.4	56.1	1674.5	36	6.6	150.0	1.3	3.6	<8	1.3	7.5	0.6	0.4	0.6	0.05	<0.3
B00096501	Drill Core	110	0.3	559.1	36.4	1.2	37.1	4574.2	67	8.3	64.1	1.6	2.8	<8	2.3	7.2	0.5	0.4	0.4	0.03	<0.3
B00096502	Drill Core	24	<0.2	291.7	15.3	2.4	12.3	1266.3	15	38.8	6.6	13.6	8.1	<8	1.8	41.7	16.1	12.6	25.5	3.01	10.7
B00096503	Drill Core	211	<0.2	218.8	31.1	2.8	64.0	1635.1	199	7.0	104.2	4.3	6.4	<8	1.4	18.9	0.6	0.7	0.7	0.06	<0.3
B00096504	Pulp	565	0.6	680.6	38.9	2.2	74.9	3529.7	103	13.3	140.0	8.0	4.6	<8	4.6	17.2	15.1	9.1	21.6	2.66	10.3
B00096505	Drill Core	208	<0.2	173.2	40.3	5.2	108.7	1035.5	181	10.0	128.0	6.3	12.1	<8	1.5	34.2	1.3	0.9	1.4	0.14	0.4
B00096506	Drill Core	51	<0.2	190.4	34.7	2.6	66.9	1098.5	167	7.5	95.6	4.3	5.0	<8	1.2	17.4	0.7	0.7	0.8	0.07	<0.3
B00096507	Drill Core	122	<0.2	184.6	41.1	3.8	92.2	784.0	278	11.0	132.7	4.4	11.9	<8	1.7	26.0	0.5	0.5	0.8	0.04	<0.3
B00096508	Drill Core	64	0.3	264.1	38.6	2.7	95.7	1251.3	81	10.1	111.3	2.9	7.8	32	2.1	17.3	1.3	0.8	1.5	0.10	0.4
B00096509	Drill Core	84	<0.2	341.0	26.6	2.2	69.0	1979.7	48	6.5	73.4	3.6	6.5	<8	1.6	15.0	0.3	0.2	0.4	<0.02	<0.3
B00096510	Pulp	<1	0.4	<0.1	0.9	1.7	1.7	3.4	<1	3.7	0.2	2.2	0.4	10	<0.5	61.1	3.6	13.1	22.4	2.74	11.6
B00096511	Drill Core	25	<0.2	652.1	22.6	0.4	25.1	5227.6	53	8.8	57.4	0.9	0.8	<8	0.7	1.7	0.2	0.2	<0.1	<0.02	<0.3
B00096512	Drill Core	10	<0.2	779.0	23.6	0.2	5.3	5815.0	11	9.4	18.8	0.3	0.5	<8	<0.5	1.1	<0.1	0.2	0.1	<0.02	<0.3
B00096513	Drill Core	78	<0.2	474.1	19.5	0.7	21.6	960.1	16	2.1	53.3	0.6	2.1	<8	0.9	2.8	<0.1	<0.1	<0.1	<0.02	<0.3
B00096514	Drill Core	44	<0.2	282.3	18.8	0.3	13.7	697.0	19	2.6	26.6	0.6	0.9	<8	1.0	2.2	<0.1	0.2	0.1	<0.02	<0.3
B00096515	Drill Core	163	<0.2	314.3	25.1	1.6	33.7	423.6	14	5.3	53.8	2.4	4.3	<8	0.9	8.3	<0.1	0.1	0.2	<0.02	<0.3
B00096516	Drill Core	57	0.3	61.0	34.0	3.6	88.6	134.5	34	9.3	121.8	3.1	11.4	<8	1.8	24.4	2.3	1.6	2.1	0.25	0.8
B00096517	Drill Core	102	<0.2	228.0	24.5	0.7	46.8	833.8	31	5.5	48.2	0.8	3.1	<8	1.7	5.5	0.3	0.2	0.3	<0.02	<0.3
B00096518	Drill Core	34	0.4	60.9	34.8	3.4	84.4	169.5	110	9.7	126.0	3.1	10.7	<8	1.0	25.4	1.6	1.4	1.6	0.18	0.7
B00096519	Drill Core	30	<0.2	256.7	18.8	1.8	55.0	1681.6	30	5.0	162.4	1.6	6.5	<8	0.8	12.1	1.2	0.4	0.8	0.07	<0.3
B00096520	Drill Core	78	<0.2	147.2	36.5	4.3	80.7	581.2	42	9.8	91.4	3.6	13.0	<8	1.3	33.2	2.9	1.1	1.9	0.19	0.9
B00096521	Drill Core	109	<0.2	324.4	34.4	5.3	90.6	1805.9	95	6.8	83.0	3.8	15.5	<8	1.5	45.3	2.9	1.0	2.2	0.21	1.0



# CERTIFICATE OF ANALYSIS

YVO14000004.1

Method Analyte	Unit MDL	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
		Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
		0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01
B00096492	Pulp	1.62	0.31	1.06	0.13	0.72	0.11	0.42	0.05	0.37	0.06	<0.02	<0.02	<0.01	<0.01	53		
B00096493	Drill Core	0.35	0.05	0.32	0.05	0.32	0.07	0.18	0.02	0.16	0.03	<0.02	<0.02	0.08	0.18	1939		
B00096494	Drill Core	2.60	0.27	2.40	0.40	2.35	0.42	1.26	0.20	1.29	0.19	<0.02	0.05	0.10	0.17	2510		
B00096495	Drill Core	0.82	0.10	0.74	0.13	0.73	0.14	0.44	0.07	0.44	0.07	<0.02	<0.02	0.08	0.75	3449		
B00096496	Drill Core	2.38	0.23	2.65	0.43	2.40	0.43	1.08	0.16	1.01	0.16	<0.02	0.06	0.04	0.18	1948		
B00096497	Drill Core	0.07	<0.02	0.08	0.02	0.11	0.02	0.09	<0.01	0.07	<0.01	<0.02	<0.02	0.02	0.59	490		
B00096498	Drill Core	0.10	<0.02	0.13	0.02	0.15	0.02	0.07	<0.01	0.07	<0.01	0.02	<0.02	0.02	0.48	468		
B00096499	Drill Core	<0.05	<0.02	0.06	<0.01	<0.05	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	1.69	1786		
B00096500	Drill Core	0.07	<0.02	0.07	0.01	0.09	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	1.23	1426		
B00096501	Drill Core	<0.05	<0.02	0.06	0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.96	1981		
B00096502	Drill Core	2.67	0.19	2.61	0.47	2.83	0.52	1.45	0.22	1.46	0.21	<0.02	0.18	0.05	0.17	866		
B00096503	Drill Core	0.08	<0.02	0.08	0.02	0.09	<0.02	0.06	<0.01	0.06	<0.01	<0.02	<0.02	0.08	0.91	969		
B00096504	Pulp	2.45	0.38	2.42	0.41	2.61	0.54	1.66	0.26	1.57	0.23	0.03	<0.02	0.07	0.51	8544		
B00096505	Drill Core	0.15	<0.02	0.22	0.04	0.23	0.04	0.11	0.01	0.12	0.01	<0.02	<0.02	0.13	0.11	1015		
B00096506	Drill Core	0.07	<0.02	0.10	0.02	0.08	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.11	0.78	1080		
B00096507	Drill Core	0.07	<0.02	0.08	0.02	0.05	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.09	0.33	1495		
B00096508	Drill Core	0.14	0.03	0.21	0.03	0.16	0.02	0.06	0.01	0.07	<0.01	<0.02	<0.02	0.08	0.70	1878		
B00096509	Drill Core	<0.05	<0.02	0.05	<0.01	0.07	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	1.63	1392		
B00096510	Pulp	1.73	0.35	1.16	0.14	0.84	0.15	0.35	0.05	0.38	0.06	<0.02	<0.02	<0.01	<0.01	145		
B00096511	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.30	788		
B00096512	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.21	735		
B00096513	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.39	1707		
B00096514	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.45	1455		
B00096515	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.62	1014		
B00096516	Drill Core	0.27	0.08	0.38	0.07	0.35	0.07	0.14	0.02	0.19	0.03	<0.02	<0.02	0.14	0.38	831		
B00096517	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.77	1490		
B00096518	Drill Core	0.30	0.04	0.30	0.06	0.30	0.06	0.09	<0.01	0.12	0.02	<0.02	<0.02	0.14	0.42	922		
B00096519	Drill Core	0.11	<0.02	0.18	0.03	0.19	0.04	0.10	0.01	0.07	0.01	<0.02	<0.02	0.01	1.91	754		
B00096520	Drill Core	0.35	0.04	0.47	0.11	0.46	0.07	0.17	0.02	0.18	0.02	<0.02	<0.02	0.15	0.33	1061		
B00096521	Drill Core	0.37	<0.02	0.50	0.09	0.39	0.06	0.14	0.03	0.18	0.02	<0.02	<0.02	0.11	0.08	956		

# CERTIFICATE OF ANALYSIS

YVO1400004.1

Method	WGHT	FA330	FA330	FA330	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	Au	Pt	Pd	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	
Unit	kg	ppb	ppb	ppb	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	
MDL	0.01	2	3	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	
B00096522	Pulp	0.05			68.24	21.13	0.28	0.05	0.16	1.83	2.88	<0.01	0.24	0.03	0.017	<20	<1	1.1	95.96	11	
B00096523	Drill Core	2.65			76.16	13.64	0.86	0.03	0.54	3.85	4.16	<0.01	0.01	0.08	<0.002	<20	3	0.6	99.97	22	
B00096524	Drill Core	2.44			75.97	13.76	0.99	0.03	0.49	4.00	4.03	<0.01	0.03	0.11	<0.002	<20	3	0.5	99.94	28	
B00096525	Drill Core	2.49			74.32	15.53	0.69	0.03	0.30	5.06	2.94	<0.01	0.20	0.14	<0.002	<20	<1	0.7	99.90	5	
B00096526	Drill Core	2.39			76.26	13.76	1.48	0.05	0.57	3.42	3.29	<0.01	0.02	0.07	<0.002	<20	3	1.0	99.94	17	
B00096527	Drill Core	2.39			58.24	17.21	15.09	1.45	0.26	0.31	3.08	0.34	0.08	0.19	0.018	114	12	3.6	99.87	181	
B00096528	Pulp	0.09			98.78	0.67	0.09	0.04	0.03	0.01	0.14	0.05	0.01	<0.01	<0.002	<20	<1	0.2	100.03	15	
B00096529	Drill Core	1.81			57.57	13.71	18.61	2.79	0.44	0.16	1.69	0.40	0.06	0.31	0.034	230	18	4.0	99.81	118	
B00096530	Drill Core	1.43			75.18	16.55	1.64	0.21	0.20	2.23	2.39	0.02	0.19	0.11	<0.002	<20	1	1.2	99.93	13	
B00096531	Drill Core	1.97			75.10	17.32	0.31	0.03	0.15	3.48	2.87	<0.01	0.21	0.08	<0.002	<20	<1	0.4	99.95	8	
B00096532	Drill Core	1.17			76.92	16.96	0.34	0.04	0.09	2.30	2.72	<0.01	0.13	0.06	<0.002	<20	<1	0.4	99.96	5	
B00096533	Drill Core	1.77			73.03	16.30	0.57	0.02	0.28	7.89	0.66	<0.01	0.37	0.16	<0.002	<20	<1	0.6	99.90	<1	
B00096534	Drill Core	0.86			79.12	16.65	0.41	0.08	0.11	0.91	1.33	<0.01	0.15	0.09	<0.002	<20	<1	1.1	99.97	2	
B00096535	Drill Core	1.22			79.48	15.71	0.53	0.10	0.15	0.86	1.48	<0.01	0.19	0.12	0.003	<20	<1	1.3	99.94	2	
B00096536	Drill Core	1.97			73.59	15.52	1.74	0.14	0.28	3.07	3.38	0.02	0.42	0.28	<0.002	<20	1	1.4	99.85	10	
B00096537	Drill Core	1.68			65.00	12.31	15.53	1.76	0.48	0.34	0.54	0.28	0.18	0.50	0.014	88	11	2.8	99.76	36	
B00096538	Drill Core	1.38			74.55	13.80	4.92	0.51	0.74	0.46	2.31	0.03	0.22	0.25	<0.002	30	2	2.0	99.83	105	
B00096539	Drill Core	2.47			76.88	16.01	0.54	0.06	0.26	3.21	1.76	<0.01	0.21	0.10	<0.002	<20	<1	0.9	99.93	12	
B00096540	Pulp	0.05			79.06	11.17	0.65	0.02	1.34	2.25	2.29	<0.01	1.12	0.30	0.004	<20	<1	1.4	99.65	16	
B00096541	Drill Core	2.49			74.69	16.44	0.52	0.04	0.35	3.11	3.68	<0.01	0.36	0.11	<0.002	<20	<1	0.6	99.90	8	
B00096542	Drill Core	2.29			75.05	17.10	0.44	0.10	0.28	1.09	4.49	<0.01	0.32	0.13	<0.002	<20	<1	0.9	99.90	11	
B00096543	Drill Core	2.69			75.72	16.49	0.41	0.02	0.23	2.68	3.17	<0.01	0.33	0.14	<0.002	<20	<1	0.7	99.92	4	
B00096544	Drill Core	2.83			74.01	16.79	0.52	0.02	0.33	2.45	4.22	<0.01	0.40	0.15	<0.002	<20	<1	1.0	99.88	9	
B00096545	Drill Core	2.52			74.39	15.74	0.52	0.03	0.42	4.39	2.90	<0.01	0.42	0.14	<0.002	<20	<1	0.9	99.89	5	
B00096546	Pulp	0.09			98.43	0.69	0.09	0.04	0.04	0.01	0.16	0.05	<0.01	<0.01	<0.002	<20	<1	0.5	100.01	16	
B00096547	Drill Core	2.73			74.08	15.57	0.63	0.02	0.49	4.42	2.75	<0.01	0.53	0.21	<0.002	<20	<1	1.2	99.87	5	
B00096548	Drill Core	2.46			72.39	16.45	0.40	0.03	0.28	3.34	5.83	<0.01	0.34	0.11	<0.002	<20	<1	0.7	99.89	16	
B00096549	Drill Core	2.58			74.02	16.26	0.47	0.02	0.39	4.79	2.60	<0.01	0.38	0.12	<0.002	<20	<1	0.8	99.90	7	
B00096550	Drill Core	2.60			73.56	16.26	0.51	0.02	0.33	7.04	1.06	<0.01	0.28	0.09	<0.002	<20	<1	0.7	99.89	2	
B00096551	Drill Core	2.46			72.37	16.53	0.47	0.04	0.41	5.80	3.01	<0.01	0.35	0.08	<0.002	<20	<1	0.8	99.88	12	

# CERTIFICATE OF ANALYSIS

YVO14000004.1

Method Analyte Unit MDL	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	
B00096522	Pulp	29	0.4	>10000	56.5	1.0	20.9	4151.5	66	24.1	72.9	1.1	2.7	<8	0.7	6.3	<0.1	0.2	0.1	<0.02	<0.3
B00096523	Drill Core	5	<0.2	259.0	17.3	2.4	9.2	576.5	5	16.4	2.6	12.5	8.7	<8	1.6	37.3	23.8	8.9	20.0	2.38	9.6
B00096524	Drill Core	7	<0.2	376.0	17.9	2.6	12.5	731.2	10	16.0	20.1	11.2	8.5	<8	1.7	36.3	21.5	8.8	17.7	2.20	8.4
B00096525	Drill Core	94	<0.2	356.5	35.4	2.5	55.7	1694.1	44	8.0	59.6	5.8	7.0	<8	1.8	26.0	8.9	3.0	5.4	0.72	3.2
B00096526	Drill Core	9	0.3	218.4	18.6	2.8	12.5	608.0	15	48.5	4.3	20.4	8.7	<8	3.5	58.1	17.0	13.5	25.3	2.97	11.6
B00096527	Drill Core	3	24.6	151.3	20.9	1.8	9.7	608.8	10	90.4	1.7	6.0	1.9	86	7.2	57.5	10.5	16.9	32.2	3.48	13.2
B00096528	Pulp	<1	0.4	<0.1	<0.5	1.4	1.4	3.2	<1	3.8	1.1	1.9	0.3	8	1.2	58.9	3.2	13.0	23.0	2.88	9.9
B00096529	Drill Core	4	71.6	397.6	16.0	1.8	5.2	1073.4	14	73.5	1.5	5.1	1.3	115	1.6	60.5	13.5	17.3	31.6	3.72	13.2
B00096530	Drill Core	60	3.1	198.9	32.6	0.4	37.1	2149.4	72	16.6	52.5	0.9	2.1	<8	2.1	4.3	4.6	1.4	2.9	0.29	1.2
B00096531	Drill Core	93	<0.2	124.9	31.4	1.0	36.5	2309.6	32	5.6	50.5	1.3	3.7	<8	16.1	5.9	0.5	0.3	0.4	<0.02	<0.3
B00096532	Drill Core	34	<0.2	229.2	21.8	0.9	32.8	2264.2	21	4.4	32.1	1.2	3.7	<8	1.3	5.9	0.6	0.3	0.4	<0.02	<0.3
B00096533	Drill Core	123	<0.2	112.4	42.2	2.0	79.2	681.2	31	8.8	111.0	2.9	7.0	<8	1.6	12.7	0.8	0.8	0.8	0.04	<0.3
B00096534	Drill Core	37	<0.2	124.1	26.8	0.4	22.3	1343.1	41	2.8	24.9	0.5	1.1	<8	1.4	2.3	0.8	0.4	0.7	<0.02	<0.3
B00096535	Drill Core	88	<0.2	162.6	30.7	0.5	30.9	1598.8	56	3.0	24.1	0.6	1.7	<8	2.3	4.1	0.9	0.3	0.6	0.03	<0.3
B00096536	Drill Core	150	1.1	402.1	62.0	2.0	93.8	3727.8	120	7.5	74.8	3.2	5.4	<8	3.9	13.7	2.3	1.9	2.7	0.28	1.1
B00096537	Drill Core	67	25.0	1023.5	17.3	1.7	7.2	1412.1	41	161.4	13.7	3.9	2.0	87	0.6	45.3	11.3	12.5	24.1	2.72	11.1
B00096538	Drill Core	165	7.8	291.7	50.5	1.6	62.4	2002.0	162	79.5	95.3	2.2	4.8	19	3.6	13.0	3.3	1.7	2.5	0.26	1.2
B00096539	Drill Core	102	<0.2	113.5	34.1	2.4	65.4	1458.8	62	21.5	79.9	2.2	6.3	<8	2.2	14.5	0.8	0.4	0.7	0.06	0.3
B00096540	Pulp	565	0.5	750.3	40.4	2.6	88.6	3708.6	116	14.1	158.2	8.5	4.3	<8	4.7	19.6	16.1	10.0	22.7	2.76	10.6
B00096541	Drill Core	123	<0.2	280.8	33.4	1.2	61.3	3341.8	41	12.1	54.0	1.5	5.7	<8	2.1	9.6	0.8	0.6	0.7	0.07	<0.3
B00096542	Drill Core	120	<0.2	348.9	31.3	0.7	56.6	3948.1	47	12.5	44.1	0.8	2.5	<8	2.0	5.0	0.9	0.8	0.8	0.08	<0.3
B00096543	Drill Core	101	<0.2	250.6	30.7	1.5	50.2	2889.0	38	12.3	43.3	1.3	5.1	<8	1.6	11.4	0.5	0.5	0.4	0.02	<0.3
B00096544	Drill Core	161	<0.2	293.9	36.1	1.8	86.7	3993.6	48	19.7	68.5	2.0	8.7	<8	2.9	13.2	0.8	0.4	0.5	0.03	<0.3
B00096545	Drill Core	165	<0.2	184.2	38.0	1.6	78.5	2800.6	48	26.8	68.1	2.2	7.9	<8	2.2	11.4	0.5	0.9	1.1	0.06	<0.3
B00096546	Pulp	2	<0.2	0.1	<0.5	1.7	1.8	2.6	1	4.5	<0.1	2.2	0.3	<8	0.7	55.5	4.6	12.5	24.7	3.07	12.9
B00096547	Drill Core	165	<0.2	217.2	47.2	2.8	109.0	2875.4	85	20.2	94.4	2.2	10.4	<8	3.0	17.7	1.2	0.7	0.9	0.09	0.3
B00096548	Drill Core	118	<0.2	331.8	33.2	1.5	75.1	4998.1	67	14.5	85.3	1.5	6.2	<8	1.6	10.8	1.2	0.8	1.1	0.09	0.4
B00096549	Drill Core	138	<0.2	186.5	38.9	1.8	76.3	2444.7	61	15.0	96.2	2.6	7.5	<8	1.8	11.4	1.2	1.1	1.7	0.14	0.5
B00096550	Drill Core	176	<0.2	108.3	42.8	2.4	71.8	1149.8	60	17.1	80.2	3.3	10.2	<8	2.0	15.9	1.6	1.3	1.9	0.18	0.7
B00096551	Drill Core	160	<0.2	143.3	43.3	2.5	76.0	2549.7	54	26.9	90.5	3.2	9.0	<8	1.8	15.2	1.2	1.7	3.0	0.28	1.1

# CERTIFICATE OF ANALYSIS

YVO1400004.1

Method Analyte	Unit	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
		Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
MDL		0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	%	%	%	%	ppm	%	%
B00096522	Pulp	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	1.84	872	4.05	0.46
B00096523	Drill Core	3.05	0.07	3.37	0.62	3.83	0.76	2.22	0.33	2.37	0.32	<0.02	0.19	<0.01	0.07	638		
B00096524	Drill Core	2.47	0.09	3.11	0.59	3.50	0.68	1.98	0.31	2.01	0.27	<0.02	0.12	<0.01	0.08	815		
B00096525	Drill Core	0.97	0.03	1.11	0.22	1.34	0.29	0.85	0.14	0.81	0.13	<0.02	<0.02	0.05	0.27	1562		
B00096526	Drill Core	2.84	0.15	2.82	0.48	2.92	0.62	1.79	0.28	1.94	0.29	<0.02	0.21	0.02	0.04	980		
B00096527	Drill Core	2.56	0.66	2.65	0.40	2.11	0.41	1.11	0.17	1.15	0.18	<0.02	1.98	0.03	0.11	1021		
B00096528	Pulp	1.68	0.26	1.08	0.13	0.55	0.12	0.37	0.04	0.31	0.04	<0.02	<0.02	<0.01	<0.01	113		
B00096529	Drill Core	2.79	0.68	2.75	0.43	2.45	0.45	1.49	0.24	1.63	0.26	0.04	2.96	0.02	0.16	1765		
B00096530	Drill Core	0.38	0.10	0.53	0.10	0.57	0.12	0.44	0.06	0.35	0.05	<0.02	0.23	<0.01	0.93	1254		
B00096531	Drill Core	0.06	<0.02	0.08	0.02	0.09	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	0.96	633		
B00096532	Drill Core	<0.05	<0.02	0.11	0.03	0.09	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.33	712		
B00096533	Drill Core	0.07	<0.02	0.11	0.02	0.09	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.09	0.08	1010		
B00096534	Drill Core	0.09	<0.02	0.14	0.04	0.16	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.87	922		
B00096535	Drill Core	0.10	<0.02	0.14	0.04	0.14	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.57	1472		
B00096536	Drill Core	0.41	0.10	0.53	0.09	0.43	0.05	0.13	0.02	0.12	0.02	<0.02	0.16	0.03	0.20	3523		
B00096537	Drill Core	2.41	0.72	2.48	0.39	2.23	0.43	1.17	0.17	1.16	0.17	0.05	1.90	0.71	0.08	4500		
B00096538	Drill Core	0.34	0.26	0.46	0.08	0.46	0.09	0.24	0.04	0.26	0.05	<0.02	0.38	0.10	0.07	2309		
B00096539	Drill Core	0.10	0.06	0.13	0.03	0.13	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.81	1020		
B00096540	Pulp	2.50	0.38	2.31	0.41	2.62	0.52	1.73	0.26	1.58	0.26	0.02	<0.02	0.06	0.56	>10000		
B00096541	Drill Core	0.12	<0.02	0.23	0.05	0.18	0.02	0.05	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.71	1333		
B00096542	Drill Core	0.17	<0.02	0.17	0.04	0.15	0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.09	1366		
B00096543	Drill Core	0.06	<0.02	0.08	0.02	0.10	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.88	1071		
B00096544	Drill Core	0.12	<0.02	0.10	0.03	0.12	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	0.72	1680		
B00096545	Drill Core	0.14	<0.02	0.17	0.04	0.13	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.35	1522		
B00096546	Pulp	2.05	0.35	1.49	0.20	0.95	0.17	0.45	0.09	0.41	0.07	<0.02	<0.02	<0.01	<0.01	55		
B00096547	Drill Core	0.10	<0.02	0.21	0.05	0.24	0.02	0.04	<0.01	0.09	<0.01	<0.02	<0.02	0.05	0.24	2201		
B00096548	Drill Core	0.13	0.02	0.18	0.04	0.21	<0.02	0.04	<0.01	0.05	<0.01	<0.02	<0.02	0.03	0.28	1353		
B00096549	Drill Core	0.15	0.03	0.23	0.04	0.17	0.02	0.05	<0.01	0.08	<0.01	<0.02	<0.02	0.05	0.43	1455		
B00096550	Drill Core	0.22	0.04	0.29	0.05	0.22	0.03	0.06	<0.01	0.09	<0.01	<0.02	<0.02	0.05	0.09	1541		
B00096551	Drill Core	0.25	0.05	0.35	0.05	0.22	0.02	0.05	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.10	1134		

# CERTIFICATE OF ANALYSIS

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Method	WGHT	FA330	FA330	FA330	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	Au	Pt	Pd	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba
Unit	kg	ppb	ppb	ppb	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm
MDL	0.01	2	3	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1
B00096552	Drill Core	1.00			75.11	16.72	0.60	0.03	0.36	3.39	2.53	<0.01	0.35	0.14	<0.002	<20	<1	0.6	99.86	4
B00096553	Drill Core	2.61			73.92	16.17	0.75	0.14	0.61	4.08	2.55	<0.01	0.48	0.11	<0.002	<20	<1	1.0	99.86	8
B00096554	Drill Core	2.53			73.15	16.26	0.63	0.02	0.44	4.59	3.18	<0.01	0.42	0.15	<0.002	<20	<1	1.0	99.84	4
B00096555	Drill Core	1.42			75.00	16.75	0.56	0.02	0.37	3.32	2.52	<0.01	0.37	0.15	<0.002	<20	<1	0.8	99.85	4
B00096556	Drill Core	2.65			76.00	16.41	0.38	0.02	0.24	2.94	2.89	<0.01	0.24	0.09	<0.002	<20	<1	0.7	99.91	5
B00096557	Drill Core	2.10			74.20	15.26	0.68	0.06	0.45	6.65	1.32	<0.01	0.33	0.11	<0.002	<20	<1	0.8	99.88	18
B00096558	Pulp	0.05			72.40	16.35	0.45	0.05	0.24	2.94	5.63	<0.01	0.32	0.02	0.036	<20	<1	0.9	99.34	18
B00096559	Drill Core	1.97			69.72	11.73	10.86	1.61	1.24	0.33	2.29	0.08	0.17	0.24	0.002	<20	2	1.5	99.80	276
B00096560	Drill Core	2.01			61.61	15.85	13.59	2.79	1.46	0.50	1.34	0.47	0.08	0.20	0.024	137	19	1.8	99.75	629
B00096561	Drill Core	2.99			72.92	16.50	0.41	0.03	0.41	6.82	1.64	<0.01	0.30	0.09	<0.002	<20	<1	0.7	99.83	12
B00096562	Drill Core	2.30			74.61	15.75	0.37	0.02	0.42	6.21	1.33	<0.01	0.33	0.07	<0.002	<20	<1	0.8	99.88	2
B00096563	Drill Core	2.57			75.58	16.65	0.42	0.05	0.35	3.13	2.36	<0.01	0.34	0.10	<0.002	<20	<1	0.9	99.88	6
B00096564	Pulp	0.09			98.31	0.67	0.10	0.04	0.04	0.01	0.15	0.05	0.01	<0.01	<0.002	<20	<1	0.6	100.00	14
B00096565	Drill Core	2.50			77.05	16.09	0.26	0.05	0.23	3.00	2.03	<0.01	0.22	0.07	<0.002	<20	<1	0.9	99.92	2
B00096566	Drill Core	2.33			76.56	16.74	0.29	0.03	0.25	2.71	2.26	<0.01	0.23	0.07	<0.002	<20	<1	0.7	99.87	5
B00096567	Drill Core	2.77			78.31	17.06	0.21	0.04	0.07	0.75	2.26	<0.01	0.24	0.16	<0.002	<20	<1	0.9	99.99	6
B00096568	Drill Core	0.53			74.27	16.68	0.26	0.02	0.16	6.24	0.89	<0.01	0.38	0.22	<0.002	<20	<1	0.8	99.93	2
B00096570	Drill Core	0.95			70.67	16.36	0.12	0.02	0.16	1.91	9.15	<0.01	0.37	0.03	<0.002	<20	<1	1.0	99.81	73
B00096571	Drill Core	2.20			74.41	14.76	0.26	0.02	0.14	2.05	7.30	<0.01	0.25	0.05	<0.002	<20	<1	0.6	99.84	46
B00096572	Drill Core	1.33			70.09	16.70	0.12	0.02	0.15	1.82	9.91	<0.01	0.29	0.03	<0.002	<20	<1	0.7	99.84	63
B00096573	Drill Core	2.51			77.74	12.52	0.25	0.02	0.21	1.59	5.98	<0.01	0.41	0.10	<0.002	<20	<1	1.0	99.82	48
B00096574	Drill Core	2.36			90.76	5.40	0.15	<0.01	0.03	0.68	1.78	<0.01	0.11	0.07	<0.002	<20	<1	0.9	99.92	8
B00096575	Drill Core	2.57			75.92	14.64	0.20	<0.01	0.07	3.49	3.15	<0.01	0.36	0.16	<0.002	<20	<1	1.8	99.82	8
B00096576	Pulp	0.04			70.56	19.10	0.44	0.05	0.19	2.26	4.02	<0.01	0.27	0.03	0.034	41	<1	0.9	97.89	15
B00096577	Drill Core	2.38			75.19	14.51	0.12	0.01	0.06	1.58	6.49	<0.01	0.32	0.10	<0.002	<20	<1	1.4	99.82	68
B00096578	Drill Core	2.57			66.39	19.22	0.16	<0.01	0.11	1.59	10.06	<0.01	0.39	0.10	<0.002	<20	<1	1.7	99.74	126
B00096579	Drill Core	2.40			66.86	18.21	0.15	0.01	0.13	1.47	10.97	<0.01	0.58	0.07	<0.002	<20	<1	1.4	99.86	116
B00096580	Drill Core	2.15			70.04	17.68	0.23	0.01	0.07	0.59	6.64	<0.01	0.37	0.24	<0.002	<20	<1	3.8	99.63	28
B00096581	Drill Core	2.74			74.62	15.21	0.22	<0.01	0.07	0.99	5.16	<0.01	0.51	0.20	<0.002	<20	<1	2.7	99.68	21
B00096582	Pulp	0.09			98.02	0.68	0.09	0.04	0.03	0.01	0.15	0.04	0.01	<0.01	<0.002	<20	<1	0.9	100.01	15

# CERTIFICATE OF ANALYSIS

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Method Analyte	Unit MDL	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3
B00096552	Drill Core	247	<0.2	135.1	37.1	1.4	79.2	2573.7	71	10.3	113.2	1.6	4.7	<8	2.7	8.1	0.7	0.5	0.4	0.03	<0.3
B00096553	Drill Core	174	<0.2	205.3	40.1	1.9	81.0	2684.1	71	43.8	87.3	2.4	7.8	<8	2.2	11.9	2.6	7.6	12.9	1.29	4.3
B00096554	Drill Core	233	<0.2	201.6	44.8	1.9	92.0	3423.5	83	19.4	129.1	3.2	9.5	<8	2.7	11.6	1.0	1.2	0.9	0.10	0.3
B00096555	Drill Core	247	<0.2	136.9	36.6	1.5	78.1	2610.0	68	9.5	112.6	1.8	4.4	8	3.2	8.6	0.7	0.6	0.6	0.03	<0.3
B00096556	Drill Core	142	<0.2	159.1	28.9	1.1	59.9	2854.6	46	8.5	84.6	1.9	5.8	<8	2.4	6.9	0.6	0.7	0.4	0.02	<0.3
B00096557	Drill Core	202	<0.2	91.6	41.3	1.9	58.3	1179.3	42	29.2	115.4	2.2	5.7	<8	1.6	10.7	1.0	1.2	1.2	0.08	<0.3
B00096558	Pulp	40	0.5	6024.3	61.6	1.2	23.4	7022.1	56	25.3	72.3	1.5	3.7	<8	0.8	8.6	0.1	0.4	0.2	<0.02	<0.3
B00096559	Drill Core	168	2.2	285.5	41.8	2.0	38.3	2461.8	60	96.9	72.9	3.7	4.7	30	1.5	23.7	5.1	5.3	9.0	0.93	3.5
B00096560	Drill Core	43	40.6	336.9	22.0	2.3	10.5	1099.0	46	101.9	11.3	6.1	1.9	131	8.3	78.6	16.0	17.4	31.8	3.37	12.7
B00096561	Drill Core	226	0.3	188.2	44.9	2.6	73.2	1980.8	262	10.4	131.1	4.9	6.3	<8	1.9	13.6	0.6	0.8	1.1	0.08	0.3
B00096562	Drill Core	182	<0.2	142.9	41.4	2.0	69.8	1647.0	55	12.9	117.7	5.0	6.0	<8	1.9	11.3	0.2	0.9	0.4	0.02	<0.3
B00096563	Drill Core	181	<0.2	245.0	36.4	1.3	68.9	2772.2	53	19.9	90.9	3.6	5.9	<8	2.0	8.6	0.3	0.7	0.4	0.02	<0.3
B00096564	Pulp	<1	0.3	0.2	<0.5	1.6	1.7	2.0	<1	4.9	<0.1	2.1	0.3	<8	0.6	60.8	3.1	11.8	22.7	3.06	11.4
B00096565	Drill Core	128	<0.2	144.1	30.5	1.1	51.2	2274.1	35	13.9	65.0	2.6	4.4	<8	1.5	6.0	<0.1	0.5	0.3	<0.02	<0.3
B00096566	Drill Core	230	<0.2	181.3	30.2	0.7	71.3	2754.9	40	9.7	86.2	6.7	6.1	<8	1.6	4.4	0.1	0.5	0.1	<0.02	<0.3
B00096567	Drill Core	13	<0.2	81.6	20.8	0.2	16.1	2375.1	17	3.7	26.6	1.6	1.6	10	0.7	1.2	<0.1	0.5	0.3	<0.02	<0.3
B00096568	Drill Core	100	<0.2	56.9	37.8	2.3	74.2	1045.7	33	5.7	216.4	2.7	4.3	<8	1.4	10.1	1.7	1.2	1.5	0.12	0.5
B00096570	Drill Core	208	<0.2	866.6	29.8	0.5	14.3	8811.3	35	20.9	65.5	0.4	1.8	10	0.8	2.2	0.9	3.2	5.6	0.57	2.3
B00096571	Drill Core	150	<0.2	719.0	31.2	1.4	30.1	6850.3	60	19.5	174.1	1.5	4.9	<8	1.0	7.4	1.2	2.6	5.4	0.52	2.1
B00096572	Drill Core	145	<0.2	851.5	30.2	0.7	18.8	9445.3	51	18.7	98.6	0.5	1.1	<8	1.0	2.8	0.5	1.7	3.2	0.31	1.2
B00096573	Drill Core	226	<0.2	829.2	30.3	1.1	18.6	6552.7	38	17.7	56.0	5.8	1.6	<8	2.3	9.6	1.5	2.2	3.5	0.40	1.3
B00096574	Drill Core	71	<0.2	472.1	22.2	0.8	40.0	2535.8	48	2.8	100.5	0.5	1.2	<8	3.2	3.7	0.2	0.7	0.5	0.03	0.3
B00096575	Drill Core	35	<0.2	1038.5	56.8	2.1	79.6	4949.3	147	6.3	282.0	1.9	4.9	<8	6.3	8.6	0.3	0.6	0.8	0.06	<0.3
B00096576	Pulp	34	0.8	>10000	59.3	1.3	23.1	5168.3	72	23.2	74.7	1.7	3.4	8	0.6	7.8	<0.1	0.7	0.2	<0.02	<0.3
B00096577	Drill Core	65	<0.2	1078.3	44.0	1.2	47.0	7795.1	191	11.1	133.6	0.9	2.3	<8	4.1	4.9	0.1	0.6	0.5	0.03	<0.3
B00096578	Drill Core	178	<0.2	1360.0	51.2	0.4	19.7	>10000	266	14.8	56.6	<0.2	1.3	<8	3.3	1.7	<0.1	0.5	0.2	<0.02	<0.3
B00096579	Drill Core	32	<0.2	1018.2	40.9	0.2	13.1	>10000	125	23.4	33.7	<0.2	0.5	<8	2.6	1.4	<0.1	0.1	0.1	<0.02	<0.3
B00096580	Drill Core	323	<0.2	1835.1	84.2	0.9	50.2	9861.0	268	14.2	117.9	0.2	1.1	<8	6.6	5.5	<0.1	0.3	0.2	<0.02	<0.3
B00096581	Drill Core	261	<0.2	1442.9	67.1	1.4	51.6	8121.8	446	11.9	131.8	1.2	2.7	<8	6.6	8.8	<0.1	<0.1	0.3	<0.02	<0.3
B00096582	Pulp	<1	0.5	0.8	<0.5	1.4	0.9	7.0	<1	3.3	0.5	1.8	0.4	<8	<0.5	58.4	2.9	12.6	22.0	2.83	10.2

# CERTIFICATE OF ANALYSIS

YVO14000004.1

Method Analyte	Unit	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
		Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
B00096552	Drill Core	<0.05	<0.02	0.12	0.03	0.09	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.77	1553		
B00096553	Drill Core	1.00	0.27	0.91	0.12	0.42	0.05	0.11	0.02	0.10	<0.01	<0.02	<0.02	0.04	0.47	2061		
B00096554	Drill Core	0.11	<0.02	0.20	0.05	0.17	<0.02	0.04	<0.01	0.06	<0.01	<0.02	<0.02	0.02	0.27	2089		
B00096555	Drill Core	0.08	<0.02	0.13	0.03	0.12	<0.02	<0.03	0.04	<0.05	<0.01	<0.02	<0.02	<0.01	0.76	1528		
B00096556	Drill Core	0.09	<0.02	0.09	0.02	0.12	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.84	1108		
B00096557	Drill Core	0.11	0.03	0.17	0.03	0.13	0.02	0.04	<0.01	<0.05	<0.01	0.02	<0.02	0.04	0.04	687		
B00096558	Pulp	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	0.42	478		
B00096559	Drill Core	0.80	0.23	0.82	0.13	0.69	0.14	0.40	0.05	0.40	0.06	0.04	0.62	0.01	0.08	2302		
B00096560	Drill Core	2.56	0.78	2.83	0.46	2.86	0.55	1.62	0.24	1.61	0.25	0.04	1.59	0.67	0.10	5256		
B00096561	Drill Core	0.06	<0.02	0.13	0.02	0.09	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.09	1526		
B00096562	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.32	1487		
B00096563	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.93	1095		
B00096564	Pulp	2.09	0.34	1.30	0.15	0.82	0.13	0.33	0.08	0.42	0.06	<0.02	<0.02	<0.01	<0.01	58		
B00096565	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.04	1140		
B00096566	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.09	1010		
B00096567	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.71	302		
B00096568	Drill Core	0.21	0.05	0.29	0.04	0.14	0.03	0.05	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.62	530		
B00096570	Drill Core	0.37	0.07	0.31	0.04	0.11	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.11	2192		
B00096571	Drill Core	0.35	0.08	0.41	0.05	0.24	0.03	0.07	<0.01	0.07	0.01	<0.02	<0.02	0.06	0.11	1842		
B00096572	Drill Core	0.19	0.05	0.22	0.02	0.07	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.08	1648		
B00096573	Drill Core	0.33	0.04	0.30	0.05	0.28	0.04	0.17	0.02	0.17	0.02	<0.02	<0.02	0.05	0.24	5492		
B00096574	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.27	6398		
B00096575	Drill Core	<0.05	<0.02	0.06	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.59	>10000		
B00096576	Pulp	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.07	<0.02	<0.01	1.07	684	2.05	0.56
B00096577	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.38	9584		
B00096578	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.40	9739	0.13	1.09
B00096579	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.28	6653	0.10	1.08
B00096580	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.78	>10000		
B00096581	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.68	>10000		
B00096582	Pulp	1.71	0.29	1.15	0.13	0.64	0.13	0.30	0.04	0.30	0.05	<0.02	<0.02	<0.01	<0.01	246		



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 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: June 05, 2014

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Part: 1 of 3

# CERTIFICATE OF ANALYSIS

YVO14000004.1

Method	WGHT	FA330	FA330	FA330	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	Au	Pt	Pd	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	
Unit	kg	ppb	ppb	ppb	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	
MDL	0.01	2	3	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	
B00096583	Drill Core	2.66			83.52	9.33	0.20	<0.01	0.06	0.53	4.70	<0.01	0.16	0.08	<0.002	<20	<1	1.2	99.81	38	
B00096584	Drill Core	2.56			70.35	16.82	0.25	0.01	0.16	1.58	7.59	<0.01	1.15	0.10	<0.002	<20	<1	1.8	99.77	69	
B00097002	Pulp	0.05			72.58	16.24	0.45	0.05	0.25	2.90	5.71	<0.01	0.31	0.02	0.037	<20	1	0.8	99.33	17	
B00097012	Drill Core	1.19			55.56	17.48	7.89	5.21	8.67	1.19	0.43	0.49	0.03	0.24	0.075	220	48	1.6	98.91	46	
B00097020	Pulp	0.05			70.56	18.94	0.43	0.05	0.20	2.26	4.05	<0.01	0.26	0.03	0.033	28	1	1.0	97.78	12	
B00097038	Pulp	0.05			78.93	11.05	0.68	0.02	1.32	2.25	2.24	<0.01	1.12	0.29	0.004	<20	<1	1.8	99.67	15	
B00096488	Drill Core	1.67	10	6	6																
B00096489	Drill Core	1.61	5	6	7																
B00096569	Drill Core	1.06	46	7	9																
B00097001	Drill Core	1.88	11	15	11																
B00097003	Drill Core	2.50	10	11	13																
B00097004	Drill Core	2.73	9	11	13																
B00097005	Drill Core	2.41	16	11	23																
B00097006	Drill Core	2.80	8	12	15																
B00097007	Drill Core	2.92	18	10	21																
B00097008	Pulp	0.09	<2	<3	<2																
B00097009	Drill Core	2.90	12	15	11																
B00097010	Drill Core	2.81	17	12	12																
B00097011	Drill Core	2.58	11	9	14																
B00097013	Drill Core	2.15	6	13	16																
B00097014	Drill Core	0.95	10	12	14																
B00097015	Drill Core	2.74	152	<3	8																
B00097016	Drill Core	2.68	16	<3	9																
B00097017	Drill Core	2.58	16	<3	8																
B00097018	Drill Core	2.65	19	3	6																
B00097019	Drill Core	2.88	85	<3	6																
B00097021	Drill Core	2.54	3	<3	3																
B00097022	Drill Core	2.53	3	<3	5																
B00097023	Drill Core	2.39	11	<3	8																
B00097024	Drill Core	2.61	12	<3	9																

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.





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Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: June 05, 2014

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Part: 2 of 3

# CERTIFICATE OF ANALYSIS

YVO14000004.1

Method Analyte Unit MDL	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.1	0.02	0.3
B00096583	Drill Core	264	0.3	834.0	31.1	0.3	17.3	5499.5	83	7.1	46.5	<0.2	0.7	<8	2.5	3.1	<0.1	<0.1	<0.1	<0.02	<0.3
B00096584	Drill Core	202	<0.2	1112.6	43.6	0.8	19.2	8515.9	234	15.3	50.8	2.4	1.7	<8	4.2	9.2	2.2	1.8	3.9	0.44	1.9
B00097002	Pulp	34	0.6	6208.4	57.7	1.1	20.3	7063.9	53	23.0	64.3	1.1	3.5	8	0.7	7.8	<0.1	0.3	<0.1	<0.02	<0.3
B00097012	Drill Core	1	98.0	20.1	14.3	0.8	1.2	55.9	1	90.8	0.8	<0.2	<0.1	242	1.1	28.3	12.1	2.0	4.7	0.60	3.6
B00097020	Pulp	41	0.7	>10000	58.3	1.0	21.3	5093.7	67	23.2	69.5	1.2	2.9	<8	0.9	6.5	0.1	<0.1	<0.1	<0.02	<0.3
B00097038	Pulp	521	1.0	726.8	37.9	2.4	80.6	3594.6	106	12.5	147.0	7.9	4.1	<8	4.9	23.1	14.9	9.1	21.8	2.56	9.6
B00096488	Drill Core																				
B00096489	Drill Core																				
B00096569	Drill Core																				
B00097001	Drill Core																				
B00097003	Drill Core																				
B00097004	Drill Core																				
B00097005	Drill Core																				
B00097006	Drill Core																				
B00097007	Drill Core																				
B00097008	Pulp																				
B00097009	Drill Core																				
B00097010	Drill Core																				
B00097011	Drill Core																				
B00097013	Drill Core																				
B00097014	Drill Core																				
B00097015	Drill Core																				
B00097016	Drill Core																				
B00097017	Drill Core																				
B00097018	Drill Core																				
B00097019	Drill Core																				
B00097021	Drill Core																				
B00097022	Drill Core																				
B00097023	Drill Core																				
B00097024	Drill Core																				

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# CERTIFICATE OF ANALYSIS

YVO14000004.1

Method Analyte Unit MDL	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700	
	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%	
	0.05	0.02	0.05	0.01	0.05	0.02	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01
B00096583	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.28	7066		
B00096584	Drill Core	0.36	0.03	0.41	0.06	0.37	0.06	0.22	0.04	0.27	0.03	<0.02	<0.02	0.04	0.47	>10000		
B00097002	Pulp	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	0.39	431		
B00097012	Drill Core	1.04	0.35	1.60	0.29	2.04	0.48	1.43	0.20	1.35	0.19	0.06	0.92	<0.01	0.01	290		
B00097020	Pulp	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.07	<0.02	<0.01	1.03	615	2.06	0.57
B00097038	Pulp	2.51	0.33	2.25	0.42	2.39	0.54	1.52	0.25	1.54	0.24	<0.02	<0.02	0.06	0.46	9831		
B00096488	Drill Core																	
B00096489	Drill Core																	
B00096569	Drill Core																	
B00097001	Drill Core																	
B00097003	Drill Core																	
B00097004	Drill Core																	
B00097005	Drill Core																	
B00097006	Drill Core																	
B00097007	Drill Core																	
B00097008	Pulp																	
B00097009	Drill Core																	
B00097010	Drill Core																	
B00097011	Drill Core																	
B00097013	Drill Core																	
B00097014	Drill Core																	
B00097015	Drill Core																	
B00097016	Drill Core																	
B00097017	Drill Core																	
B00097018	Drill Core																	
B00097019	Drill Core																	
B00097021	Drill Core																	
B00097022	Drill Core																	
B00097023	Drill Core																	
B00097024	Drill Core																	



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Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: June 05, 2014

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# CERTIFICATE OF ANALYSIS

YVO14000004.1

Method	WGHT	FA330	FA330	FA330	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	Au	Pt	Pd	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	
Unit	kg	ppb	ppb	ppb	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	
MDL	0.01	2	3	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	
B00097025	Drill Core	2.70	11	<3	9																
B00097026	Pulp	0.09	<2	<3	<2																
B00097027	Drill Core	2.26	86	<3	9																
B00097028	Drill Core	3.15	27	<3	10																
B00097029	Drill Core	2.51	8	<3	4																
B00097030	Drill Core	2.24	7	3	5																
B00097031	Drill Core	2.60	10	4	8																
B00097032	Drill Core	0.77	9	4	6																
B00097033	Drill Core	2.47	5	<3	6																
B00097034	Drill Core	0.95	9	<3	4																
B00097035	Drill Core	2.68	8	4	7																
B00097036	Drill Core	0.92	10	9	11																
B00097037	Drill Core	1.88	4	12	15																
B00097039	Drill Core	2.81	5	12	14																
B00097040	Drill Core	2.45	14	6	9																
B00097041	Drill Core	2.44	11	11	13																
B00097042	Drill Core	2.96	21	15	17																
B00097043	Drill Core	2.59	37	16	19																
B00097044	Pulp	0.09	<2	<3	<2																
B00097045	Drill Core	3.40	58	12	15																
B00097046	Drill Core	2.90	22	7	9																
B00097047	Drill Core	3.01	11	13	14																
B00097048	Drill Core	1.46	18	12	15																
B00097049	Drill Core	2.52	7	13	13																
B00097050	Drill Core	1.16	16	12	13																
B00097051	Drill Core	2.62	8	15	14																
B00097052	Drill Core	2.66	25	9	6																



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Project: None Given  
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# CERTIFICATE OF ANALYSIS

YVO14000004.1

Method	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
Analyte	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	
B00097025	Drill Core																				
B00097026	Pulp																				
B00097027	Drill Core																				
B00097028	Drill Core																				
B00097029	Drill Core																				
B00097030	Drill Core																				
B00097031	Drill Core																				
B00097032	Drill Core																				
B00097033	Drill Core																				
B00097034	Drill Core																				
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B00097037	Drill Core																				
B00097039	Drill Core																				
B00097040	Drill Core																				
B00097041	Drill Core																				
B00097042	Drill Core																				
B00097043	Drill Core																				
B00097044	Pulp																				
B00097045	Drill Core																				
B00097046	Drill Core																				
B00097047	Drill Core																				
B00097048	Drill Core																				
B00097049	Drill Core																				
B00097050	Drill Core																				
B00097051	Drill Core																				
B00097052	Drill Core																				



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# CERTIFICATE OF ANALYSIS

YVO14000004.1

Method	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
Analyte	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
MDL	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01
B00097025	Drill Core																
B00097026	Pulp																
B00097027	Drill Core																
B00097028	Drill Core																
B00097029	Drill Core																
B00097030	Drill Core																
B00097031	Drill Core																
B00097032	Drill Core																
B00097033	Drill Core																
B00097034	Drill Core																
B00097035	Drill Core																
B00097036	Drill Core																
B00097037	Drill Core																
B00097039	Drill Core																
B00097040	Drill Core																
B00097041	Drill Core																
B00097042	Drill Core																
B00097043	Drill Core																
B00097044	Pulp																
B00097045	Drill Core																
B00097046	Drill Core																
B00097047	Drill Core																
B00097048	Drill Core																
B00097049	Drill Core																
B00097050	Drill Core																
B00097051	Drill Core																
B00097052	Drill Core																

## QUALITY CONTROL REPORT

YVO14000004.1

Method	WGHT	FA330	FA330	FA330	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
Analyte	Wgt	Au	Pt	Pd	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	
Unit	kg	ppb	ppb	ppb	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	
MDL	0.01	2	3	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	
B00096411	Drill Core	3.04			75.16	17.35	0.45	0.03	0.20	3.64	1.63	<0.01	0.27	0.15	<0.002	<20	<1	1.0	99.89	8	
B00096446	Drill Core	2.40			70.24	17.87	0.14	0.03	0.11	1.11	9.36	<0.01	0.29	0.06	<0.002	<20	<1	0.7	99.92	15	
B00096482	Drill Core	2.23			76.25	16.44	0.47	0.27	0.21	2.76	2.36	<0.01	0.16	0.09	<0.002	<20	<1	0.9	99.92	6	
B00096519	Drill Core	3.14			77.87	17.43	0.20	0.03	0.14	1.07	2.10	<0.01	0.23	0.07	<0.002	<20	<1	0.8	99.94	11	
B00096555	Drill Core	1.42			75.00	16.75	0.56	0.02	0.37	3.32	2.52	<0.01	0.37	0.15	<0.002	<20	<1	0.8	99.85	4	
Pulp Duplicates																					
B00096405	Drill Core	3.00			72.11	17.59	0.50	0.05	0.21	3.26	4.83	<0.01	0.29	0.14	<0.002	<20	<1	0.9	99.90	22	
REP B00096405	QC																				
B00096416	Drill Core	2.98			81.18	17.75	0.12	0.04	0.05	0.23	0.22	<0.01	0.05	0.03	<0.002	<20	<1	0.3	99.98	3	
REP B00096416	QC																				
B00096425	Drill Core	2.24			74.72	16.38	0.33	0.02	0.25	1.46	5.60	<0.01	0.33	0.12	<0.002	<20	<1	0.7	99.93	19	
REP B00096425	QC																				
B00096431	Drill Core	2.71			72.15	16.46	0.48	0.02	0.59	5.82	2.61	<0.01	0.49	0.33	<0.002	<20	<1	0.9	99.87	9	
REP B00096431	QC				72.13	16.43	0.50	0.02	0.60	5.86	2.58	<0.01	0.49	0.33	<0.002	<20	<1	0.9	99.87	8	
B00096440	Drill Core	2.88			78.00	16.99	0.25	0.09	0.16	0.97	1.40	<0.01	0.27	0.09	<0.002	<20	<1	1.7	99.94	5	
REP B00096440	QC																				
B00096451	Drill Core	2.56			77.35	16.81	0.25	0.03	0.18	0.73	2.97	<0.01	0.42	0.21	<0.002	<20	<1	1.0	99.92	4	
REP B00096451	QC																				
B00096460	Drill Core	1.09	5	16	9	66.60	15.26	11.81	1.09	0.25	0.78	0.40	0.37	0.13	0.16	0.018	127	12	2.8	99.72	142
REP B00096460	QC																				
B00096467	Drill Core	2.39			73.42	15.99	0.51	0.01	0.52	7.15	0.89	<0.01	0.43	0.10	<0.002	<20	<1	0.8	99.86	2	
REP B00096467	QC				73.36	15.96	0.51	0.02	0.51	7.23	0.90	<0.01	0.42	0.10	<0.002	<20	<1	0.8	99.86	2	
B00096476	Drill Core	1.65			75.07	16.35	0.40	0.04	0.36	2.67	3.45	<0.01	0.35	0.13	<0.002	<20	<1	1.1	99.88	7	
REP B00096476	QC																				
B00096477	Drill Core	2.43			78.81	16.24	0.36	0.09	0.26	0.76	2.03	<0.01	0.33	0.16	<0.002	<20	<1	0.9	99.95	<1	
REP B00096477	QC																				
B00096481	Drill Core	1.19			75.06	15.73	0.40	0.10	0.35	4.76	1.99	<0.01	0.35	0.14	<0.002	<20	<1	1.0	99.90	2	
REP B00096481	QC																				
B00096487	Drill Core	1.90			72.07	16.40	4.39	0.49	0.77	1.02	2.32	0.10	0.27	0.16	0.005	48	3	1.9	99.89	82	

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Method	Unit	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
		Analyte	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr
MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.1	0.02	0.3
B00096411	Drill Core	129	<0.2	409.7	31.0	1.3	51.5	1887.5	45	6.8	74.2	4.3	4.1	<8	2.6	10.1	1.8	1.0	2.1	0.24	1.0
B00096446	Drill Core	101	<0.2	456.1	24.2	0.1	19.0	8619.8	24	8.9	31.9	1.1	0.6	<8	1.0	0.4	<0.1	0.1	<0.1	<0.02	<0.3
B00096482	Drill Core	120	<0.2	125.4	25.5	1.4	34.9	2333.6	150	16.2	52.9	3.0	3.7	<8	1.0	7.8	0.4	0.5	0.8	0.06	<0.3
B00096519	Drill Core	30	<0.2	256.7	18.8	1.8	55.0	1681.6	30	5.0	162.4	1.6	6.5	<8	0.8	12.1	1.2	0.4	0.8	0.07	<0.3
B00096555	Drill Core	247	<0.2	136.9	36.6	1.5	78.1	2610.0	68	9.5	112.6	1.8	4.4	8	3.2	8.6	0.7	0.6	0.6	0.03	<0.3
Pulp Duplicates																					
B00096405	Drill Core	59	<0.2	399.3	39.3	0.8	44.3	4132.7	111	8.5	68.2	1.3	2.6	<8	2.3	5.4	0.7	0.4	0.6	0.03	<0.3
REP B00096405		QC																			
B00096416	Drill Core	17	<0.2	181.2	13.4	0.2	8.6	316.3	11	2.6	22.6	0.4	0.6	<8	0.7	1.8	<0.1	0.2	0.1	<0.02	<0.3
REP B00096416		QC																			
B00096425	Drill Core	61	<0.2	358.8	26.8	0.8	29.4	4331.0	51	10.1	24.0	0.7	2.9	<8	1.8	6.2	1.9	0.3	0.8	0.06	<0.3
REP B00096425		QC																			
B00096431	Drill Core	116	<0.2	275.7	39.0	3.3	91.1	2266.9	58	29.3	143.6	5.0	12.3	<8	2.2	20.9	2.0	8.3	14.4	1.46	5.0
REP B00096431		QC																			
B00096440	Drill Core	61	<0.2	222.1	22.0	0.8	30.6	1397.6	78	7.4	69.9	0.8	2.1	<8	1.1	4.4	0.2	0.1	0.2	<0.02	<0.3
REP B00096440		QC																			
B00096451	Drill Core	110	<0.2	199.4	23.4	0.3	38.6	2953.1	31	8.7	78.3	1.6	0.8	<8	0.6	1.3	<0.1	0.1	<0.1	<0.02	<0.3
REP B00096451		QC																			
B00096460	Drill Core	16	28.4	275.9	18.0	1.9	5.0	547.4	26	140.4	3.1	5.0	1.4	95	1.3	60.3	11.3	16.6	31.3	3.29	12.1
REP B00096460		QC																			
B00096467	Drill Core	209	<0.2	110.7	41.3	2.9	89.3	1054.4	64	14.9	132.5	3.8	6.9	<8	2.4	19.2	0.7	0.5	0.3	<0.02	<0.3
REP B00096467		QC																			
B00096476	Drill Core	209	<0.2	160.0	33.0	0.9	54.9	3138.1	69	13.8	90.2	1.5	2.4	<8	2.2	3.4	0.7	1.7	2.9	0.21	0.7
REP B00096476		QC																			
B00096477	Drill Core	70	<0.2	132.5	25.0	0.8	30.8	1992.1	59	8.8	39.6	1.2	1.7	<8	1.6	4.5	0.5	0.6	0.6	0.05	<0.3
REP B00096477		QC																			
B00096481	Drill Core	137	<0.2	120.7	38.3	1.5	50.1	2010.4	140	18.6	72.9	2.8	4.3	<8	1.5	8.4	1.3	2.1	3.1	0.29	1.1
REP B00096481		QC																			
B00096487	Drill Core	101	36.8	103.2	33.3	1.5	32.2	2056.1	44	39.2	74.7	2.3	2.6	31	1.8	20.2	2.7	5.0	8.8	0.92	3.4

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Method	Analyte	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
		Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
MDL		0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.01	0.01	10	0.01	0.01
B00096411	Drill Core	0.24	<0.02	0.32	0.06	0.37	0.06	0.16	0.02	0.14	0.02	<0.02	<0.02	0.09	1.00	3194	
B00096446	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.60	603	
B00096482	Drill Core	0.07	<0.02	0.09	0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	0.02	<0.02	<0.01	1.01	594	
B00096519	Drill Core	0.11	<0.02	0.18	0.03	0.19	0.04	0.10	0.01	0.07	0.01	<0.02	<0.02	0.01	1.91	754	
B00096555	Drill Core	0.08	<0.02	0.13	0.03	0.12	<0.02	<0.03	0.04	<0.05	<0.01	<0.02	<0.02	<0.01	0.76	1528	
Pulp Duplicates																	
B00096405	Drill Core	<0.05	<0.02	0.08	0.02	0.10	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.09	0.51	2746	
REP B00096405	QC											<0.02	<0.02				
B00096416	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.13	668	
REP B00096416	QC													2.10	667		
B00096425	Drill Core	0.32	<0.02	0.36	0.10	0.36	0.02	0.05	<0.01	0.07	<0.01	<0.02	<0.02	0.02	0.75	1163	
REP B00096425	QC													0.02			
B00096431	Drill Core	0.97	0.17	0.86	0.08	0.36	0.03	0.09	0.01	0.05	<0.01	0.06	<0.02	0.06	0.19	1391	
REP B00096431	QC	0.91	0.19	0.93	0.09	0.31	0.04	0.07	<0.01	<0.05	<0.01						
B00096440	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.73	1065	
REP B00096440	QC											<0.02	<0.02				
B00096451	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.51	352	
REP B00096451	QC													1.50	341		
B00096460	Drill Core	2.63	0.79	2.76	0.41	2.15	0.41	1.20	0.18	1.10	0.18	0.04	3.50	0.53	0.13	2344	
REP B00096460	QC													0.53			
B00096467	Drill Core	0.07	<0.02	0.12	0.03	0.14	<0.02	0.04	<0.01	0.05	<0.01	<0.02	<0.02	0.06	0.06	1628	
REP B00096467	QC	0.06	<0.02	0.11	0.03	0.10	<0.02	<0.03	<0.01	<0.05	<0.01						
B00096476	Drill Core	0.15	0.04	0.14	0.02	0.13	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.73	1025	
REP B00096476	QC											<0.02	<0.02				
B00096477	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.38	962	
REP B00096477	QC														976		
B00096481	Drill Core	0.26	0.08	0.33	0.03	0.18	0.03	0.05	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	0.43	933	
REP B00096481	QC													0.42			
B00096487	Drill Core	0.66	0.21	0.62	0.10	0.51	0.10	0.27	0.04	0.26	0.04	0.02	1.25	0.23	0.45	1251	



## QUALITY CONTROL REPORT

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		WGHT	FA330	FA330	FA330	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Wgt	Au	Pt	Pd	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba
		kg	ppb	ppb	ppb	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm
		0.01	2	3	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1
REP B00096487	QC																				
B00096498	Drill Core	0.98				71.86	17.27	0.15	0.02	0.14	3.67	6.04	<0.01	0.23	0.05	<0.002	<20	<1	0.5	99.93	51
REP B00096498	QC																				
B00096501	Drill Core	1.63				74.24	16.55	0.33	0.05	0.18	1.64	4.54	<0.01	0.41	0.14	<0.002	<20	<1	1.8	99.87	22
REP B00096501	QC					74.28	16.53	0.34	0.05	0.18	1.62	4.52	<0.01	0.41	0.14	<0.002	<20	<1	1.8	99.87	22
B00096505	Drill Core	1.76				73.12	16.18	0.54	0.02	0.36	7.13	1.18	<0.01	0.46	0.23	<0.002	<20	<1	0.6	99.84	2
REP B00096505	QC					73.15	16.08	0.54	0.02	0.36	7.14	1.21	<0.01	0.46	0.23	<0.002	<20	<1	0.6	99.83	1
B00096513	Drill Core	2.99				79.55	17.98	0.10	0.02	0.02	0.47	0.62	<0.01	0.07	0.03	<0.002	<20	<1	1.1	99.91	3
REP B00096513	QC																				
B00096524	Drill Core	2.44				75.97	13.76	0.99	0.03	0.49	4.00	4.03	<0.01	0.03	0.11	<0.002	<20	3	0.5	99.94	28
REP B00096524	QC																				
B00096528	Pulp	0.09				98.78	0.67	0.09	0.04	0.03	0.01	0.14	0.05	0.01	<0.01	<0.002	<20	<1	0.2	100.03	15
REP B00096528	QC					98.75	0.69	0.08	0.04	0.03	<0.01	0.15	0.05	0.01	<0.01	<0.002	<20	<1	0.2	100.01	15
B00096533	Drill Core	1.77				73.03	16.30	0.57	0.02	0.28	7.89	0.66	<0.01	0.37	0.16	<0.002	<20	<1	0.6	99.90	<1
REP B00096533	QC																				
B00096540	Pulp	0.05				79.06	11.17	0.65	0.02	1.34	2.25	2.29	<0.01	1.12	0.30	0.004	<20	<1	1.4	99.65	16
REP B00096540	QC					78.90	11.23	0.67	0.02	1.35	2.25	2.35	<0.01	1.14	0.30	0.003	<20	<1	1.4	99.65	14
B00096549	Drill Core	2.58				74.02	16.26	0.47	0.02	0.39	4.79	2.60	<0.01	0.38	0.12	<0.002	<20	<1	0.8	99.90	7
REP B00096549	QC																				
B00096560	Drill Core	2.01				61.61	15.85	13.59	2.79	1.46	0.50	1.34	0.47	0.08	0.20	0.024	137	19	1.8	99.75	629
REP B00096560	QC																				
B00096564	Pulp	0.09				98.31	0.67	0.10	0.04	0.04	0.01	0.15	0.05	0.01	<0.01	<0.002	<20	<1	0.6	100.00	14
REP B00096564	QC					98.34	0.66	0.11	0.04	0.03	0.01	0.15	0.05	<0.01	<0.01	<0.002	<20	<1	0.6	100.01	15
B00096570	Drill Core	0.95				70.67	16.36	0.12	0.02	0.16	1.91	9.15	<0.01	0.37	0.03	<0.002	<20	<1	1.0	99.81	73
REP B00096570	QC																				
B00096577	Drill Core	2.38				75.19	14.51	0.12	0.01	0.06	1.58	6.49	<0.01	0.32	0.10	<0.002	<20	<1	1.4	99.82	68
REP B00096577	QC					74.93	14.68	0.11	0.01	0.07	1.59	6.56	<0.01	0.33	0.10	<0.002	<20	<1	1.4	99.82	71
B00097038	Pulp	0.05				78.93	11.05	0.68	0.02	1.32	2.25	2.24	<0.01	1.12	0.29	0.004	<20	<1	1.8	99.67	15
REP B00097038	QC					78.99	11.01	0.67	0.02	1.32	2.23	2.24	<0.01	1.12	0.29	0.005	<20	<1	1.8	99.67	12



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Project: None Given  
 Report Date: June 05, 2014

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# QUALITY CONTROL REPORT

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		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200		
		Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	
REP B00096487	QC																					
B00096498	Drill Core	26	<0.2	398.5	28.3	1.1	24.1	5057.9	79	15.2	54.7	1.1	1.7	<8	0.8	6.7	1.0	0.6	1.3	0.12	0.5	
REP B00096498	QC																					
B00096501	Drill Core	110	0.3	559.1	36.4	1.2	37.1	4574.2	67	8.3	64.1	1.6	2.8	<8	2.3	7.2	0.5	0.4	0.4	0.03	<0.3	
REP B00096501	QC	115	0.4	534.3	35.4	1.2	38.9	4576.2	70	8.7	73.5	1.8	2.9	<8	2.2	8.2	0.7	0.8	0.4	0.09	<0.3	
B00096505	Drill Core	208	<0.2	173.2	40.3	5.2	108.7	1035.5	181	10.0	128.0	6.3	12.1	<8	1.5	34.2	1.3	0.9	1.4	0.14	0.4	
REP B00096505	QC	224	<0.2	178.5	40.1	5.0	111.7	1059.0	201	9.4	131.1	6.4	11.8	<8	1.6	33.8	1.5	1.1	1.6	0.15	0.7	
B00096513	Drill Core	78	<0.2	474.1	19.5	0.7	21.6	960.1	16	2.1	53.3	0.6	2.1	<8	0.9	2.8	<0.1	<0.1	<0.1	<0.02	<0.3	
REP B00096513	QC																					
B00096524	Drill Core	7	<0.2	376.0	17.9	2.6	12.5	731.2	10	16.0	20.1	11.2	8.5	<8	1.7	36.3	21.5	8.8	17.7	2.20	8.4	
REP B00096524	QC																					
B00096528	Pulp	<1	0.4	<0.1	<0.5	1.4	1.4	3.2	<1	3.8	1.1	1.9	0.3	8	1.2	58.9	3.2	13.0	23.0	2.88	9.9	
REP B00096528	QC	<1	0.8	<0.1	0.5	1.6	1.2	3.7	<1	3.7	0.5	2.0	0.2	12	1.0	65.1	3.6	12.2	20.3	2.71	9.2	
B00096533	Drill Core	123	<0.2	112.4	42.2	2.0	79.2	681.2	31	8.8	111.0	2.9	7.0	<8	1.6	12.7	0.8	0.8	0.8	0.04	<0.3	
REP B00096533	QC																					
B00096540	Pulp	565	0.5	750.3	40.4	2.6	88.6	3708.6	116	14.1	158.2	8.5	4.3	<8	4.7	19.6	16.1	10.0	22.7	2.76	10.6	
REP B00096540	QC	567	0.7	762.2	41.6	2.4	86.8	3812.5	121	15.7	157.0	8.2	4.5	<8	5.7	18.3	17.0	10.5	22.4	2.81	11.6	
B00096549	Drill Core	138	<0.2	186.5	38.9	1.8	76.3	2444.7	61	15.0	96.2	2.6	7.5	<8	1.8	11.4	1.2	1.1	1.7	0.14	0.5	
REP B00096549	QC																					
B00096560	Drill Core	43	40.6	336.9	22.0	2.3	10.5	1099.0	46	101.9	11.3	6.1	1.9	131	8.3	78.6	16.0	17.4	31.8	3.37	12.7	
REP B00096560	QC																					
B00096564	Pulp	<1	0.3	0.2	<0.5	1.6	1.7	2.0	<1	4.9	<0.1	2.1	0.3	<8	0.6	60.8	3.1	11.8	22.7	3.06	11.4	
REP B00096564	QC	<1	<0.2	0.2	<0.5	1.4	1.6	2.1	<1	3.6	<0.1	2.2	0.4	15	0.5	56.8	3.4	12.1	23.2	2.93	10.9	
B00096570	Drill Core	208	<0.2	866.6	29.8	0.5	14.3	8811.3	35	20.9	65.5	0.4	1.8	10	0.8	2.2	0.9	3.2	5.6	0.57	2.3	
REP B00096570	QC																					
B00096577	Drill Core	65	<0.2	1078.3	44.0	1.2	47.0	7795.1	191	11.1	133.6	0.9	2.3	<8	4.1	4.9	0.1	0.6	0.5	0.03	<0.3	
REP B00096577	QC	73	<0.2	1064.4	43.4	1.0	41.9	7540.6	198	10.7	124.3	0.9	2.0	<8	3.9	4.4	0.1	0.6	0.4	0.04	<0.3	
B00097038	Pulp	521	1.0	726.8	37.9	2.4	80.6	3594.6	106	12.5	147.0	7.9	4.1	<8	4.9	23.1	14.9	9.1	21.8	2.56	9.6	
REP B00097038	QC	529	0.7	728.8	38.6	2.5	81.6	3688.2	109	12.9	147.5	7.0	3.9	<8	4.9	18.6	16.1	9.8	20.9	2.62	9.5	

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## QUALITY CONTROL REPORT

YVO14000004.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
		Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
		0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01
REP B00096487	QC																	0.51
B00096498	Drill Core	0.10	<0.02	0.13	0.02	0.15	0.02	0.07	<0.01	0.07	<0.01	0.02	<0.02	0.02	0.48	468		
REP B00096498	QC																	0.02
B00096501	Drill Core	<0.05	<0.02	0.06	0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.96	1981		
REP B00096501	QC	<0.05	0.02	0.11	0.01	0.09	<0.02	0.04	<0.01	<0.05	<0.01							
B00096505	Drill Core	0.15	<0.02	0.22	0.04	0.23	0.04	0.11	0.01	0.12	0.01	<0.02	<0.02	0.13	0.11	1015		
REP B00096505	QC	0.13	<0.02	0.19	0.04	0.21	0.04	0.10	0.01	0.10	0.01							
B00096513	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.39	1707		
REP B00096513	QC											<0.02	<0.02					
B00096524	Drill Core	2.47	0.09	3.11	0.59	3.50	0.68	1.98	0.31	2.01	0.27	<0.02	0.12	<0.01	0.08	815		
REP B00096524	QC																	0.08 753
B00096528	Pulp	1.68	0.26	1.08	0.13	0.55	0.12	0.37	0.04	0.31	0.04	<0.02	<0.02	<0.01	<0.01	113		
REP B00096528	QC	1.52	0.28	1.18	0.15	0.65	0.12	0.31	0.05	0.37	0.05							
B00096533	Drill Core	0.07	<0.02	0.11	0.02	0.09	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.09	0.08	1010		
REP B00096533	QC																	0.09
B00096540	Pulp	2.50	0.38	2.31	0.41	2.62	0.52	1.73	0.26	1.58	0.26	0.02	<0.02	0.06	0.56	>10000		
REP B00096540	QC	2.70	0.39	2.45	0.42	2.54	0.59	1.60	0.26	1.67	0.25							
B00096549	Drill Core	0.15	0.03	0.23	0.04	0.17	0.02	0.05	<0.01	0.08	<0.01	<0.02	<0.02	0.05	0.43	1455		
REP B00096549	QC											<0.02	<0.02					
B00096560	Drill Core	2.56	0.78	2.83	0.46	2.86	0.55	1.62	0.24	1.61	0.25	0.04	1.59	0.67	0.10	5256		
REP B00096560	QC																	0.10 5545
B00096564	Pulp	2.09	0.34	1.30	0.15	0.82	0.13	0.33	0.08	0.42	0.06	<0.02	<0.02	<0.01	<0.01	58		
REP B00096564	QC	1.86	0.33	1.42	0.19	0.92	0.20	0.33	0.11	0.56	0.09							
B00096570	Drill Core	0.37	0.07	0.31	0.04	0.11	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.11	2192		
REP B00096570	QC																	<0.01
B00096577	Drill Core	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.38	9584		
REP B00096577	QC	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01							
B00097038	Pulp	2.51	0.33	2.25	0.42	2.39	0.54	1.52	0.25	1.54	0.24	<0.02	<0.02	0.06	0.46	9831		
REP B00097038	QC	2.27	0.36	2.42	0.41	2.32	0.58	1.56	0.26	1.63	0.26			0.06	0.46	>10000		



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Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: June 05, 2014

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# QUALITY CONTROL REPORT

YVO14000004.1

		WGHT	FA330	FA330	FA330	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
		Wgt	Au	Pt	Pd	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	
		kg	ppb	ppb	ppb	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	
		0.01	2	3	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	
B00097027	Drill Core	2.26	86	<3	9																	
REP B00097027	QC		90	<3	11																	
B00097052	Drill Core	2.66	25	9	6																	
REP B00097052	QC		23	6	6																	
B00097020	Pulp	0.05				70.56	18.94	0.43	0.05	0.20	2.26	4.05	<0.01	0.26	0.03	0.033	28	1	1.0	97.78	12	
REP B00097020	QC																					
Core Reject Duplicates																						
B00096430	Drill Core	2.87				74.53	17.14	0.46	0.03	0.23	1.30	5.09	<0.01	0.23	0.07	<0.002	<20	<1	0.8	99.89	21	
DUP B00096430	QC					74.57	17.10	0.45	0.03	0.23	1.31	5.09	<0.01	0.23	0.07	<0.002	<20	<1	0.8	99.89	20	
B00096508	Drill Core	2.70				74.54	16.54	0.38	0.04	0.22	5.69	1.17	<0.01	0.32	0.19	<0.002	<20	<1	0.8	99.90	4	
DUP B00096508	QC	2.43				74.69	16.46	0.42	0.03	0.20	5.59	1.19	<0.01	0.32	0.19	<0.002	<20	<1	0.8	99.90	3	
B00097036	Drill Core	0.92	10	9	11																	
DUP B00097036	QC		12	9	10																	
Reference Materials																						
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD CDN-PGMS-19	Standard		216	109	476																	
STD CDN-PGMS-23	Standard		545	460	2114																	
STD GS311-1	Standard																					
STD GS311-1	Standard																					
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 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: June 05, 2014

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# QUALITY CONTROL REPORT

YVO14000004.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
		Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
B00097027	Drill Core	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3
REP B00097027	QC																				
B00097052	Drill Core																				
REP B00097052	QC																				
B00097020	Pulp	41	0.7	>10000	58.3	1.0	21.3	5093.7	67	23.2	69.5	1.2	2.9	<8	0.9	6.5	0.1	<0.1	<0.1	<0.02	<0.3
REP B00097020	QC																				
Core Reject Duplicates																					
B00096430	Drill Core	107	<0.2	374.9	30.0	0.7	48.8	4138.4	87	6.5	52.1	0.9	3.2	<8	1.6	4.9	1.2	0.5	0.9	0.06	<0.3
DUP B00096430	QC	107	<0.2	374.7	30.0	0.7	46.8	4042.5	80	6.2	56.3	0.8	3.0	<8	2.1	5.5	1.2	0.4	1.0	0.06	0.4
B00096508	Drill Core	64	0.3	264.1	38.6	2.7	95.7	1251.3	81	10.1	111.3	2.9	7.8	32	2.1	17.3	1.3	0.8	1.5	0.10	0.4
DUP B00096508	QC	80	<0.2	255.3	38.1	2.7	94.4	1245.5	68	10.7	107.8	2.4	7.7	<8	2.2	17.9	1.1	0.8	1.3	0.11	0.5
B00097036	Drill Core																				
DUP B00097036	QC																				
Reference Materials																					
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				
STD CDN-PGMS-19	Standard																				
STD CDN-PGMS-23	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
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 2736 Belisle Dr.  
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Project: None Given  
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# QUALITY CONTROL REPORT

YVO14000004.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
		Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
		0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01
B00097027	Drill Core																	
REP B00097027	QC																	
B00097052	Drill Core																	
REP B00097052	QC																	
B00097020	Pulp	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.07	<0.02	<0.01	1.03	615	2.06	0.57
REP B00097020	QC											0.07	<0.02				2.04	0.56
Core Reject Duplicates																		
B00096430	Drill Core	0.12	<0.02	0.17	0.04	0.20	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.87	2019		
DUP B00096430	QC	0.16	<0.02	0.15	0.04	0.18	<0.02	0.03	<0.01	0.05	<0.01	<0.02	<0.02	0.03	0.85	2070		
B00096508	Drill Core	0.14	0.03	0.21	0.03	0.16	0.02	0.06	0.01	0.07	<0.01	<0.02	<0.02	0.08	0.70	1878		
DUP B00096508	QC	0.13	0.02	0.14	0.03	0.15	0.03	0.05	<0.01	<0.05	<0.01	<0.02	<0.02	0.08	0.69	1794		
B00097036	Drill Core																	
DUP B00097036	QC																	
Reference Materials																		
STD 183	Standard																	1.87
STD 183	Standard																	1.96
STD 183	Standard																	2.09
STD 183	Standard																	2.10
STD 183	Standard																	1.80
STD 183	Standard																	1.94
STD 183	Standard																	1.97
STD CDN-PGMS-19	Standard																	
STD CDN-PGMS-23	Standard																	
STD GS311-1	Standard											1.02	2.40					
STD GS311-1	Standard											1.03	2.31					
STD GS311-1	Standard											1.01	2.38					
STD GS311-1	Standard											1.01	2.31					
STD GS311-1	Standard											1.01	2.22					
STD GS311-1	Standard											1.01	2.29					

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 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: June 05, 2014

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# QUALITY CONTROL REPORT

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		WGHT	FA330	FA330	FA330	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
		Wgt	Au	Pt	Pd	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	
		kg	ppb	ppb	ppb	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	
		0.01	2	3	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
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STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD MICA-FE(D)	Standard																					
STD PD1	Standard		544	467	571																	
STD PD1	Standard		534	445	543																	
STD SO-18	Standard					57.98	14.17	7.68	3.41	6.36	3.69	2.14	0.69	0.77	0.39	0.551	42	24	1.9	99.74	494	
STD SO-18	Standard					58.16	14.12	7.62	3.39	6.29	3.70	2.14	0.69	0.78	0.40	0.549	42	24	1.9	99.74	483	

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# QUALITY CONTROL REPORT

YVO14000004.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200		
		Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD MICA-FE(D)	Standard																					
STD PD1	Standard																					
STD PD1	Standard																					
STD SO-18	Standard	2	25.4	7.6	16.5	9.2	18.8	30.0	14	389.8	6.7	9.4	14.4	196	14.6	292.1	29.6	12.2	26.9	3.12	13.2	
STD SO-18	Standard	3	27.5	7.5	16.9	9.2	20.1	27.5	15	399.3	6.8	9.6	14.3	197	13.6	292.6	29.6	12.8	27.0	3.24	13.5	

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Acme Analytical Laboratories (Vancouver) Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: June 05, 2014

Page: 4 of 7

Part: 3 of 3

# QUALITY CONTROL REPORT

YVO14000004.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
		Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
		0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01
STD GS910-4	Standard											2.57	8.23					
STD GS910-4	Standard											2.75	7.82					
STD GS910-4	Standard											2.66	8.38					
STD GS910-4	Standard											2.68	7.80					
STD GS910-4	Standard											2.67	7.70					
STD GS910-4	Standard											2.65	8.01					
STD LI-1	Standard														1.56			
STD LI-1	Standard														1.65			
STD LI-1	Standard														1.70			
STD LI-1	Standard														1.51			
STD LI-1	Standard														1.57			
STD LI-1	Standard														1.69			
STD LIBF	Standard														5.06			
STD LIBF	Standard														5.09			
STD LIBF	Standard														5.04			
STD LIBF	Standard														4.98			
STD LIBF	Standard														4.84			
STD LIBF	Standard														4.95			
STD LIBF	Standard														4.63			
STD LIBF	Standard														4.80			
STD LIBF	Standard														4.25			
STD LIBF	Standard														4.33			
STD LIBF	Standard														4.53			
STD LIBF	Standard														4.53			
STD MICA-FE(D)	Standard																0.02	0.21
STD PD1	Standard																	
STD PD1	Standard																	
STD SO-18	Standard	2.58	0.85	2.88	0.48	2.76	0.62	1.66	0.27	1.77	0.27							
STD SO-18	Standard	2.57	0.83	2.97	0.46	2.90	0.59	1.67	0.25	1.77	0.26							

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 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: June 05, 2014

Page: 5 of 7

Part: 1 of 3

# QUALITY CONTROL REPORT

YVO14000004.1

		WGHT	FA330	FA330	FA330	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Wgt	Au	Pt	Pd	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba
		kg	ppb	ppb	ppb	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm
		0.01	2	3	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1
STD SO-18	Standard					58.06	14.13	7.64	3.40	6.35	3.70	2.15	0.69	0.78	0.40	0.550	42	25	1.9	99.75	485
STD SO-18	Standard					58.33	14.07	7.49	3.37	6.31	3.71	2.14	0.69	0.78	0.39	0.550	40	24	1.9	99.74	481
STD SO-18	Standard					58.42	13.96	7.57	3.36	6.30	3.68	2.15	0.69	0.77	0.39	0.540	39	24	1.9	99.76	472
STD SO-18	Standard					58.31	14.05	7.61	3.38	6.30	3.64	2.14	0.69	0.78	0.39	0.548	40	24	1.9	99.74	471
STD SO-18	Standard					58.24	14.10	7.50	3.38	6.35	3.69	2.13	0.69	0.78	0.40	0.556	43	24	1.9	99.73	493
STD SO-18	Standard					58.18	14.09	7.64	3.38	6.39	3.65	2.10	0.69	0.77	0.39	0.543	39	23	1.9	99.74	487
STD SO-18	Standard					58.48	13.94	7.52	3.37	6.32	3.71	2.13	0.68	0.76	0.39	0.536	39	23	1.9	99.75	474
STD SO-18	Standard					58.21	14.15	7.59	3.38	6.33	3.69	2.08	0.70	0.79	0.40	0.545	40	24	1.9	99.75	460
STD SO-18	Standard					58.65	13.97	7.40	3.35	6.35	3.67	2.07	0.68	0.77	0.39	0.540	46	24	1.9	99.75	476
STD SO-18	Standard					58.41	14.07	7.54	3.36	6.34	3.63	2.10	0.69	0.77	0.39	0.547	64	23	1.9	99.75	473
STD SO-18	Standard					58.69	13.94	7.52	3.32	6.30	3.63	2.07	0.69	0.76	0.39	0.530	39	23	1.9	99.75	481
STD SO-18	Standard					58.36	14.09	7.58	3.33	6.31	3.65	2.12	0.68	0.77	0.39	0.545	49	24	1.9	99.73	501
STD SO-18	Standard					58.31	14.09	7.60	3.36	6.32	3.64	2.11	0.68	0.77	0.39	0.536	41	24	1.9	99.73	480
STD SO-18	Standard					58.48	14.01	7.51	3.36	6.27	3.70	2.12	0.68	0.77	0.39	0.543	39	24	1.9	99.75	501
STD SO-18	Standard					58.57	13.98	7.59	3.33	6.26	3.60	2.10	0.68	0.79	0.39	0.535	36	24	1.9	99.74	501
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD VS-N(D)	Standard																				
STD CDN-PGMS-19			230	108	476																

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Acme Analytical Laboratories (Vancouver) Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: June 05, 2014

Page: 5 of 7

Part: 2 of 3

# QUALITY CONTROL REPORT

# YVO14000004.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
		Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3
STD SO-18	Standard	<1	23.3	7.0	15.6	8.3	18.0	31.5	13	384.3	6.9	9.6	15.2	200	15.0	271.2	28.4	12.4	24.4	3.04	13.0
STD SO-18	Standard	<1	23.5	7.8	15.4	8.8	18.3	29.5	15	399.2	7.6	9.2	14.9	196	14.3	279.2	28.0	12.3	27.2	3.18	13.1
STD SO-18	Standard	<1	22.6	8.5	17.0	9.1	17.8	28.4	14	357.3	7.8	9.4	15.2	195	13.9	264.0	27.1	11.9	25.4	3.16	12.6
STD SO-18	Standard	<1	25.0	8.1	17.2	9.6	19.1	29.3	13	373.4	6.6	8.8	15.0	206	13.9	278.6	28.9	11.7	25.9	3.17	13.2
STD SO-18	Standard	1	28.1	9.5	17.7	9.8	19.9	36.1	17	426.5	8.0	10.1	16.1	194	15.1	307.2	30.3	12.9	27.1	3.33	13.6
STD SO-18	Standard	<1	26.3	7.6	17.2	9.1	18.4	30.4	14	415.4	6.6	9.4	15.0	202	13.9	289.9	28.3	11.7	25.2	3.05	12.8
STD SO-18	Standard	<1	25.8	7.7	17.3	8.9	18.5	31.1	14	407.9	6.5	9.2	14.8	189	14.0	282.8	29.1	11.5	24.8	3.03	12.4
STD SO-18	Standard	2	24.3	6.6	15.3	8.8	18.1	27.2	13	381.5	8.6	9.5	15.5	198	13.3	262.6	26.9	11.7	26.3	3.13	12.3
STD SO-18	Standard	2	25.3	7.1	15.7	9.0	16.9	28.7	15	387.8	7.2	9.9	15.4	183	13.5	269.4	27.7	12.4	26.3	3.22	12.6
STD SO-18	Standard	<1	27.3	6.3	16.4	8.9	18.7	28.3	14	392.3	6.4	9.6	16.5	203	14.2	286.6	29.8	11.9	26.6	3.17	13.5
STD SO-18	Standard	3	26.1	6.3	16.6	9.2	18.9	28.6	14	389.4	6.5	9.1	15.8	195	14.2	282.9	27.6	11.5	24.6	3.12	13.7
STD SO-18	Standard	<1	26.1	7.2	19.3	9.2	19.0	28.8	15	394.1	6.4	9.5	15.3	195	12.7	296.2	31.7	11.5	25.0	3.32	12.5
STD SO-18	Standard	<1	26.2	6.8	18.8	9.0	19.0	28.0	14	401.7	6.4	9.8	14.8	196	13.6	303.0	30.6	13.8	26.1	3.29	12.4
STD SO-18	Standard	<1	25.8	7.4	17.7	9.2	19.9	27.7	15	404.6	6.6	8.9	15.4	193	13.6	295.9	31.4	12.6	23.5	3.09	13.5
STD SO-18	Standard	<1	25.7	6.5	16.9	9.5	19.0	26.7	14	415.6	6.4	9.5	15.7	198	15.5	289.2	29.3	13.2	24.1	3.04	12.1
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD VS-N(D)	Standard																				
STD CDN-PGMS-19																					

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Acme Analytical Laboratories (Vancouver) Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: June 05, 2014

Page: 5 of 7

Part: 3 of 3

# QUALITY CONTROL REPORT

YVO14000004.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700	
		Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
		0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01
STD SO-18	Standard	2.70	0.80	2.79	0.45	2.75	0.56	1.60	0.27	1.61	0.25							
STD SO-18	Standard	2.83	0.85	2.78	0.46	2.77	0.58	1.62	0.23	1.70	0.27							
STD SO-18	Standard	2.64	0.80	2.78	0.48	2.75	0.59	1.72	0.25	1.45	0.24							
STD SO-18	Standard	2.82	0.86	2.98	0.46	2.73	0.58	1.68	0.26	1.64	0.26							
STD SO-18	Standard	2.72	0.91	2.98	0.48	3.02	0.57	1.86	0.26	1.70	0.27							
STD SO-18	Standard	2.72	0.83	2.78	0.45	2.79	0.59	1.71	0.25	1.59	0.23							
STD SO-18	Standard	2.76	0.85	2.76	0.45	2.83	0.56	1.65	0.24	1.55	0.25							
STD SO-18	Standard	2.71	0.83	2.74	0.46	2.82	0.56	1.60	0.25	1.67	0.24							
STD SO-18	Standard	2.80	0.83	2.86	0.47	2.88	0.58	1.68	0.25	1.67	0.26							
STD SO-18	Standard	2.90	0.83	2.68	0.48	2.86	0.60	1.79	0.25	1.77	0.27							
STD SO-18	Standard	2.84	0.81	2.94	0.47	3.04	0.60	1.63	0.26	1.66	0.27							
STD SO-18	Standard	2.61	0.81	2.91	0.49	2.85	0.58	1.65	0.26	1.57	0.24							
STD SO-18	Standard	2.67	0.86	2.98	0.49	2.93	0.59	1.72	0.27	1.67	0.26							
STD SO-18	Standard	2.63	0.88	3.02	0.46	2.74	0.55	1.72	0.26	1.72	0.27							
STD SO-18	Standard	2.50	0.87	2.86	0.47	2.49	0.60	1.64	0.23	1.57	0.25							
STD STSD-1	Standard															1010		
STD STSD-1	Standard															1010		
STD STSD-1	Standard															1057		
STD STSD-1	Standard															1005		
STD STSD-1	Standard															1062		
STD STSD-1	Standard															1010		
STD STSD-1	Standard															1015		
STD STSD-1	Standard															1010		
STD STSD-1	Standard															979		
STD STSD-1	Standard															985		
STD STSD-1	Standard															995		
STD STSD-1	Standard															950		
STD VS-N(D)	Standard																0.09	0.08
STD CDN-PGMS-19																		



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 2736 Belisle Dr.  
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Project: None Given  
 Report Date: June 05, 2014

Page: 6 of 7

Part: 1 of 3

# QUALITY CONTROL REPORT

YVO14000004.1

	WGHT	FA330	FA330	FA330	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
	Wgt	Au	Pt	Pd	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	
	kg	ppb	ppb	ppb	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	
	0.01	2	3	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	
STD CDN-PGMS-23		496	456	2032																	
STD PD1 Expected		542	456	563																	
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD LI-1 Expected																					
STD 183 Expected																					
STD VS-N(D) Expected																					
STD STSD-1 Expected																					
STD SO-18 Expected					58.47	14.23	7.67	3.35	6.42	3.71	2.17	0.69	0.83	0.39	0.55	44	25				514
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<2	<3	<2																	
BLK	Blank	<2	<3	<2																	
BLK	Blank	<2	<3	<2																	
BLK	Blank	<2	<3	<2																	
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank				<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	
BLK	Blank				<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	
BLK	Blank																				
BLK	Blank				0.05	0.03	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	0.06	<1	
BLK	Blank																				

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PHONE (604) 253-3158

**Client:** Houston Lake Mining  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** June 05, 2014

**Page:** 6 of 7

**Part:** 2 of 3

# QUALITY CONTROL REPORT

## YVO14000004.1

	LF200 Be ppm	LF200 Co ppm	LF200 Cs ppm	LF200 Ga ppm	LF200 Hf ppm	LF200 Nb ppm	LF200 Rb ppm	LF200 Sn ppm	LF200 Sr ppm	LF200 Ta ppm	LF200 Th ppm	LF200 U ppm	LF200 V ppm	LF200 W ppm	LF200 Zr ppm	LF200 Y ppm	LF200 La ppm	LF200 Ce ppm	LF200 Pr ppm	LF200 Nd ppm	
STD CDN-PGMS-23	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	
STD PD1 Expected																					
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD LI-1 Expected																					
STD 183 Expected																					
STD VS-N(D) Expected																					
STD STSD-1 Expected																					
STD SO-18 Expected		26.2	7.1	17.6	9.8	19.3	28.7	15	407.4	7.4	9.9	16.4	200	14.8	290	29	12.3	27.1	3.45	14	
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<1	<0.2	0.3	<0.5	<0.1	<0.1	0.5	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3
BLK	Blank	<1	<0.2	0.4	<0.5	<0.1	<0.1	1.6	<1	<0.5	0.4	<0.2	<0.1	<8	<0.5	0.5	<0.1	<0.1	<0.1	<0.02	<0.3
BLK	Blank																				
BLK	Blank	<1	<0.2	<0.1	<0.5	<0.1	<0.1	0.4	<1	<0.5	0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3
BLK	Blank																				

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Acme Analytical Laboratories (Vancouver) Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: June 05, 2014

Page: 6 of 7

Part: 3 of 3

# QUALITY CONTROL REPORT

YVO14000004.1

	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01
STD CDN-PGMS-23																	
STD PD1 Expected																	
STD GS311-1 Expected											1.02	2.35					
STD GS910-4 Expected											2.65	8.27					
STD LI-1 Expected															1.53		
STD 183 Expected															1.91402		
STD VS-N(D) Expected																	0.0942
STD STSD-1 Expected															950		
STD SO-18 Expected	3	0.89	2.93	0.53	3	0.62	1.84	0.27	1.79	0.27							
BLK Blank											<0.02	<0.02					
BLK Blank											<0.02	<0.02					
BLK Blank											<0.02	<0.02					
BLK Blank											<0.02	<0.02					
BLK Blank																	
BLK Blank																	
BLK Blank																	
BLK Blank											<0.02	<0.02					
BLK Blank											<0.02	<0.02					
BLK Blank															<0.01		
BLK Blank															<0.01		
BLK Blank															<0.01		
BLK Blank															<0.01		
BLK Blank	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01							
BLK Blank	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01							
BLK Blank															<0.01		
BLK Blank	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01							
BLK Blank																	70

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Acme Analytical Laboratories (Vancouver) Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: June 05, 2014

Page: 7 of 7

Part: 1 of 3

# QUALITY CONTROL REPORT

YVO14000004.1

		WGHT	FA330	FA330	FA330	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
		Wgt	Au	Pt	Pd	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	
		kg	ppb	ppb	ppb	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	
		0.01	2	3	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank					<0.01	0.02	<0.04	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	
BLK	Blank																					
BLK	Blank					<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	
BLK	Blank					<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	0.02	<1	
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank					<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
Prep Wash																						
G1	Prep Blank		<2	<3	<2	66.44	16.26	3.55	1.19	3.84	3.60	3.49	0.40	0.15	0.10	<0.002	<20	5	0.7	99.75	909	
G1	Prep Blank		<2	<3	<2	66.03	16.51	3.27	1.13	3.78	3.66	3.55	0.38	0.15	0.10	<0.002	<20	5	1.2	99.75	895	



## QUALITY CONTROL REPORT

YVO14000004.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
		Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
BLK	Blank	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<1	<0.2	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<1	<0.2	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.2	<0.1	<0.1	<0.1	<0.02	<0.3
BLK	Blank	<1	<0.2	<0.1	<0.5	<0.1	<0.1	0.2	<1	<0.5	0.2	<0.2	<0.1	<8	<0.5	0.2	<0.1	<0.1	<0.1	<0.02	<0.3
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<1	<0.2	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.5	0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	3	4.0	5.9	17.0	4.1	21.7	128.5	2	687.1	1.3	10.7	3.8	62	<0.5	149.8	15.5	33.0	59.4	6.60	25.1
G1	Prep Blank	1	4.0	6.3	16.9	3.3	19.6	129.5	2	719.9	1.2	8.1	2.6	56	<0.5	125.0	12.9	28.8	53.9	5.83	22.0

## QUALITY CONTROL REPORT

YVO14000004.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
		Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
		0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01
BLK	Blank															58		
BLK	Blank													<0.01				
BLK	Blank														<0.01			
BLK	Blank														<0.01			
BLK	Blank														<0.01			
BLK	Blank	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01							
BLK	Blank															43		
BLK	Blank															28		
BLK	Blank	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01							
BLK	Blank	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01							
BLK	Blank																<0.01	<0.01
BLK	Blank															74		
BLK	Blank															78		
BLK	Blank	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01							
BLK	Blank													<0.01				
BLK	Blank													<0.01				
BLK	Blank													<0.01				
Prep Wash																		
G1	Prep Blank	4.11	1.05	3.45	0.49	2.67	0.54	1.47	0.24	1.69	0.27	0.05	<0.02	<0.01	<0.01	469		
G1	Prep Blank	3.55	0.90	2.93	0.40	2.38	0.46	1.34	0.24	1.45	0.24	0.04	<0.02	<0.01	<0.01	544		



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Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

Submitted By: Garth Drever  
Receiving Lab: Canada-Val-d'Or  
Received: July 23, 2014  
Report Date: August 25, 2014  
Page: 1 of 8

## CERTIFICATE OF ANALYSIS

YVO14000004A.3

### CLIENT JOB INFORMATION

Project: None Given  
Shipment ID: 1  
P.O. Number  
Number of Samples: 186

### SAMPLE DISPOSAL

RTRN-PLP Return  
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Houston Lake Mining  
2736 Belisle Dr.  
Val Caron ON P3N 1B3  
CANADA

CC: Trevor Walker

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
8X	186	X-Ray Fluorescence / Single element Fusion		Completed	VAN

### ADDITIONAL COMMENTS

Version 3 : Revised Ta results and reporting unit.



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 25, 2014

**Page:** 2 of 8

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO14000004A.3

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00096400	Drill Core	0.06	0.59	117
B00096401	Drill Core	0.06	0.55	174
B00096402	Drill Core	0.06	0.55	51
B00096403	Drill Core	0.03	0.18	115
B00096404	Drill Core	0.03	0.14	91
B00096405	Drill Core	0.04	0.46	76
B00096406	Drill Core	0.05	0.22	163
B00096407	Drill Core	0.04	0.15	71
B00096408	Pulp	0.08	0.40	167
B00096409	Drill Core	0.02	0.05	<10
B00096410	Drill Core	0.02	0.09	<10
B00096411	Drill Core	0.05	0.21	72
B00096412	Drill Core	0.03	0.21	56
B00096413	Drill Core	0.02	0.04	<10
B00096414	Pulp	<0.01	<0.01	<10
B00096415	Drill Core	0.02	0.05	73
B00096416	Drill Core	0.02	0.04	16
B00096417	Drill Core	0.01	0.03	43
B00096418	Drill Core	0.02	0.04	24
B00096419	Drill Core	<0.01	0.06	18
B00096420	Drill Core	0.01	0.23	71
B00096421	Drill Core	<0.01	0.03	43
B00096422	Drill Core	0.03	0.18	33
B00096423	Drill Core	<0.01	0.04	112
B00096424	Drill Core	0.01	0.21	66
B00096425	Drill Core	0.03	0.47	21
B00096426	Pulp	4.06	0.46	65
B00096427	Drill Core	0.03	0.36	37
B00096428	Drill Core	0.03	0.39	54
B00096429	Drill Core	0.03	0.40	41

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

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**Client:** **Houston Lake Mining**  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 25, 2014

**Page:** 3 of 8

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO14000004A.3

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00096430	Drill Core	0.04	0.45	47
B00096431	Drill Core	0.03	0.24	152
B00096432	Pulp	<0.01	<0.01	<10
B00096433	Drill Core	0.08	0.60	170
B00096434	Drill Core	0.02	0.22	47
B00096435	Drill Core	0.01	0.13	31
B00096436	Drill Core	0.03	0.34	29
B00096437	Drill Core	0.02	0.20	93
B00096438	Drill Core	0.05	0.31	102
B00096439	Drill Core	0.04	0.28	124
B00096440	Drill Core	0.02	0.16	68
B00096441	Drill Core	0.05	0.54	63
B00096442	Drill Core	0.03	0.27	76
B00096443	Drill Core	0.02	0.17	133
B00096444	Pulp	0.08	0.40	166
B00096445	Drill Core	0.04	0.33	109
B00096446	Drill Core	0.05	0.86	37
B00096447	Drill Core	<0.01	0.09	59
B00096448	Drill Core	0.01	0.18	38
B00096449	Drill Core	0.03	0.43	176
B00096450	Pulp	<0.01	<0.01	<10
B00096451	Drill Core	0.02	0.32	83
B00096452	Drill Core	0.02	0.27	55
B00096453	Drill Core	0.02	0.27	65
B00096454	Drill Core	0.02	0.34	86
B00096455	Drill Core	0.03	0.40	46
B00096456	Drill Core	0.02	0.29	115
B00096457	Drill Core	0.02	0.18	75
B00096458	Drill Core	0.02	0.34	59
B00096459	Drill Core	0.02	0.20	40

Bureau Veritas Commodities Canada Ltd.

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Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 25, 2014

**Page:** 4 of 8

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO14000004A.3

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00096460	Drill Core	0.03	0.06	<10
B00096461	Drill Core	0.03	0.30	91
B00096462	Drill Core	0.03	0.06	<10
B00096463	Drill Core	<0.01	0.28	1354
B00096464	Drill Core	<0.01	0.14	81
B00096465	Drill Core	<0.01	0.21	83
B00096466	Drill Core	<0.01	0.21	76
B00096467	Drill Core	0.01	0.12	153
B00096468	Pulp	0.63	0.73	59
B00096469	Drill Core	0.01	0.20	164
B00096470	Drill Core	0.02	0.31	163
B00096471	Drill Core	0.02	0.36	169
B00096472	Drill Core	0.01	0.24	116
B00096473	Drill Core	0.02	0.42	111
B00096474	Pulp	<0.01	<0.01	<10
B00096475	Drill Core	0.02	0.47	48
B00096476	Drill Core	0.02	0.37	91
B00096477	Drill Core	0.01	0.24	42
B00096478	Drill Core	<0.01	0.09	18
B00096479	Drill Core	0.02	0.37	88
B00096480	Drill Core	0.01	0.21	63
B00096481	Drill Core	0.01	0.24	81
B00096482	Drill Core	0.01	0.28	53
B00096483	Drill Core	0.01	0.39	61
B00096484	Drill Core	<0.01	0.27	56
B00096485	Drill Core	<0.01	0.20	95
B00096486	Pulp	2.01	0.55	65
B00096487	Drill Core	<0.01	0.23	81
B00096490	Drill Core	0.02	0.13	240
B00096491	Drill Core	0.02	0.13	230

Bureau Veritas Commodities Canada Ltd.

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**Client:** **Houston Lake Mining**  
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**Project:** None Given  
**Report Date:** August 25, 2014

**Page:** 5 of 8

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO14000004A.3

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00096492	Pulp	<0.01	<0.01	<10
B00096493	Drill Core	0.05	0.34	184
B00096494	Drill Core	0.07	0.23	16
B00096495	Drill Core	0.06	0.43	143
B00096496	Drill Core	0.05	0.16	<10
B00096497	Drill Core	0.04	0.55	99
B00096498	Drill Core	0.04	0.58	59
B00096499	Drill Core	0.03	0.19	59
B00096500	Drill Core	0.03	0.20	130
B00096501	Drill Core	0.05	0.47	65
B00096502	Drill Core	0.03	0.14	<10
B00096503	Drill Core	0.02	0.19	114
B00096504	Pulp	0.08	0.40	164
B00096505	Drill Core	0.02	0.12	151
B00096506	Drill Core	0.02	0.13	104
B00096507	Drill Core	0.02	0.08	150
B00096508	Drill Core	0.02	0.13	112
B00096509	Drill Core	0.03	0.21	82
B00096510	Pulp	<0.01	<0.01	<10
B00096511	Drill Core	0.06	0.56	51
B00096512	Drill Core	0.07	0.60	20
B00096513	Drill Core	0.05	0.11	52
B00096514	Drill Core	0.03	0.07	19
B00096515	Drill Core	0.03	0.05	64
B00096516	Drill Core	<0.01	0.02	146
B00096517	Drill Core	0.02	0.09	51
B00096518	Drill Core	<0.01	0.02	140
B00096519	Drill Core	0.02	0.18	172
B00096520	Drill Core	0.01	0.06	85
B00096521	Drill Core	0.02	0.19	87

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**Project:** None Given  
**Report Date:** August 25, 2014

**Page:** 6 of 8

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO14000004A.3

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00096522	Pulp	3.97	0.46	68
B00096523	Drill Core	0.02	0.06	<10
B00096524	Drill Core	0.04	0.08	23
B00096525	Drill Core	0.04	0.18	58
B00096526	Drill Core	0.02	0.06	<10
B00096527	Drill Core	0.01	0.06	<10
B00096528	Pulp	<0.01	<0.01	<10
B00096529	Drill Core	0.04	0.11	<10
B00096530	Drill Core	0.02	0.23	43
B00096531	Drill Core	<0.01	0.25	51
B00096532	Drill Core	0.02	0.24	20
B00096533	Drill Core	0.01	0.07	122
B00096534	Drill Core	0.01	0.15	18
B00096535	Drill Core	0.01	0.17	22
B00096536	Drill Core	0.04	0.39	71
B00096537	Drill Core	0.11	0.15	20
B00096538	Drill Core	0.03	0.21	97
B00096539	Drill Core	0.01	0.16	76
B00096540	Pulp	0.07	0.40	153
B00096541	Drill Core	0.03	0.34	55
B00096542	Drill Core	0.03	0.41	47
B00096543	Drill Core	0.02	0.31	47
B00096544	Drill Core	0.03	0.42	64
B00096545	Drill Core	0.02	0.31	73
B00096546	Pulp	<0.01	<0.01	<10
B00096547	Drill Core	0.02	0.31	116
B00096548	Drill Core	0.03	0.53	89
B00096549	Drill Core	0.02	0.26	97
B00096550	Drill Core	0.01	0.13	84
B00096551	Drill Core	0.01	0.27	90



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 25, 2014

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**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO14000004A.3

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00096552	Drill Core	0.01	0.28	112
B00096553	Drill Core	0.02	0.28	96
B00096554	Drill Core	0.01	0.37	131
B00096555	Drill Core	0.02	0.28	133
B00096556	Drill Core	0.01	0.30	79
B00096557	Drill Core	<0.01	0.13	118
B00096558	Pulp	0.62	0.73	66
B00096559	Drill Core	0.03	0.26	66
B00096560	Drill Core	0.03	0.11	<10
B00096561	Drill Core	0.02	0.21	134
B00096562	Drill Core	0.01	0.17	118
B00096563	Drill Core	0.02	0.29	100
B00096564	Pulp	<0.01	<0.01	<10
B00096565	Drill Core	<0.01	0.25	69
B00096566	Drill Core	0.02	0.29	92
B00096567	Drill Core	<0.01	0.26	29
B00096568	Drill Core	<0.01	0.11	231
B00096570	Drill Core	0.08	0.86	75
B00096571	Drill Core	0.07	0.68	170
B00096572	Drill Core	0.08	0.89	89
B00096573	Drill Core	0.08	0.66	61
B00096574	Drill Core	0.05	0.28	120
B00096575	Drill Core	0.10	0.52	278
B00096576	Pulp	1.97	0.55	57
B00096577	Drill Core	0.10	0.77	127
B00096578	Drill Core	0.12	1.08	53
B00096579	Drill Core	0.09	1.07	36
B00096580	Drill Core	0.19	1.01	126
B00096581	Drill Core	0.15	0.82	147
B00096582	Pulp	<0.01	<0.01	<10



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**Project:** None Given  
**Report Date:** August 25, 2014

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**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO14000004A.3

	Method	LF700		
		Cs	Rb	Ta
Analyte		%	%	ppm
Unit				
MDL		0.01	0.01	10
B00096583	Drill Core	0.09	0.60	48
B00096584	Drill Core	0.11	0.85	44
B00097002	Pulp	0.62	0.72	65
B00097012	Drill Core	<0.01	<0.01	<10
B00097020	Pulp	1.99	0.55	67
B00097038	Pulp	0.08	0.40	166

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2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 25, 2014

**Page:** 1 of 2

**Part:** 1 of 1

## QUALITY CONTROL REPORT

YVO14000004A.3

Method	LF700	LF700	LF700	
Analyte	Cs	Rb	Ta	
Unit	%	%	ppm	
MDL	0.01	0.01	10	
Pulp Duplicates				
B00096432	Pulp	<0.01	<0.01	<10
REP B00096432	QC	<0.01	<0.01	<10
B00096468	Pulp	0.63	0.73	59
REP B00096468	QC	0.63	0.72	57
B00096506	Drill Core	0.02	0.13	104
REP B00096506	QC	0.02	0.13	106
B00096542	Drill Core	0.03	0.41	47
REP B00096542	QC	0.04	0.42	48
B00096579	Drill Core	0.09	1.07	36
REP B00096579	QC	0.09	1.07	37
B00097038	Pulp	0.08	0.40	166
REP B00097038	QC	0.08	0.40	157
Reference Materials				
STD MICA-FE(D)	Standard	0.02	0.21	35
STD MICA-FE(D)	Standard	0.02	0.21	43
STD MICA-FE(D)	Standard	0.02	0.21	34
STD MICA-FE(D)	Standard	0.01	0.21	40
STD MICA-FE(D)	Standard	0.01	0.21	43
STD MICA-FE(D)	Standard	0.02	0.21	39
STD VS-N(D)	Standard	0.09	0.08	674
STD VS-N(D)	Standard	0.09	0.08	669
STD VS-N(D)	Standard	0.09	0.08	676
STD VS-N(D)	Standard	0.09	0.08	676
STD VS-N(D)	Standard	0.09	0.08	694
STD VS-N(D)	Standard	0.09	0.08	666
STD VS-N(D) Expected		0.0942		
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	<10



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9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 25, 2014

**Page:** 2 of 2

**Part:** 1 of 1

## QUALITY CONTROL REPORT

YVO14000004A.3

		LF700	LF700	LF700
		Cs	Rb	Ta
		%	%	ppm
		0.01	0.01	10
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	<10

## CERTIFICATE OF ANALYSIS

YVO14000006.1

### CLIENT JOB INFORMATION

Project: None Given  
Shipment ID: 3  
P.O. Number  
Number of Samples: 116

### SAMPLE DISPOSAL

RTRN-PLP Return  
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
CRUPR	103	Primary crushing entire sample of whole core			YVO
SPTRF	103	Split samples by riffle splitter			YVO
PRP70-250	103	Crush, split and pulverize 250 g rock to 200 mesh			YVO
PULCB	103	Pulverize Ceramic bowl			VAN
PULSW	103	Extra Wash with Glass between each sample			VAN
LF200	116	Total Whole Rock Characterization	0.2	Completed	VAN
PF370-B	116	Na2O2 fusion digestion, analysis by ICP-ES	0.25	Completed	VAN
PF370-Li	116	Na2O2 fusion, analysis by ICP-ES	0.25	Completed	VAN
GC840	116	Trace level F by specific ion electrode	0.2	Completed	VAN
8X	11	X-Ray Fluorescence / Single element Fusion		Completed	VAN

### ADDITIONAL COMMENTS

Invoice To: Houston Lake Mining  
2736 Belisle Dr.  
Val Caron ON P3N 1B3  
CANADA

CC: Trevor Walker



# CERTIFICATE OF ANALYSIS

YVO1400006.1

Method	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
B00096133	Drill Core	2.39	74.66	15.93	0.31	0.05	0.17	6.71	1.21	<0.01	0.18	0.11	<0.002	<20	<1	0.6	99.90	7	129	0.9	64.3
B00096134	Drill Core	0.46	73.27	15.43	1.30	1.22	2.33	0.25	3.72	0.15	0.20	0.06	0.006	<20	4	1.9	99.86	276	28	6.9	189.5
B00096135	Drill Core	2.30	76.51	14.03	1.42	0.22	2.30	2.41	1.70	<0.01	<0.01	0.10	<0.002	29	4	1.3	99.95	49	5	11.0	7.0
B00096136	Drill Core	3.23	63.79	17.09	10.65	1.28	0.65	0.82	2.08	0.41	0.07	0.21	0.023	140	13	2.7	99.81	258	2	40.5	135.5
B00096137	Drill Core	1.24	73.55	15.41	1.75	0.18	0.31	6.14	1.56	0.01	0.15	0.12	<0.002	<20	<1	0.7	99.87	9	84	0.8	297.0
B00096138	Pulp	0.01	79.15	11.10	0.72	0.02	1.33	2.27	2.23	<0.01	1.15	0.30	0.004	<20	<1	1.4	99.68	13	511	0.8	690.7
B00096139	Drill Core	2.95	76.03	13.73	0.93	0.03	0.52	3.99	3.81	<0.01	0.03	0.08	<0.002	<20	3	0.8	99.97	34	12	0.2	179.7
B00096140	Drill Core	0.50	73.70	15.72	0.81	0.02	0.26	5.36	2.81	<0.01	0.12	0.08	<0.002	<20	<1	1.0	99.93	8	6	<0.2	288.5
B00096141	Drill Core	1.24	73.75	15.72	0.74	0.04	0.47	6.11	1.80	<0.01	0.38	0.14	<0.002	<20	<1	0.7	99.83	10	46	<0.2	286.9
B00096142	Drill Core	1.00	74.36	17.25	0.30	0.07	0.09	2.44	3.58	<0.01	0.30	0.09	<0.002	<20	<1	1.0	99.41	13	92	<0.2	3526.6
B00096143	Drill Core	2.70	73.98	17.26	0.32	0.24	0.17	2.19	1.89	0.01	0.66	0.11	<0.002	<20	<1	1.8	98.60	20	79	0.3	>10000
B00096144	Pulp	0.09	98.33	0.66	0.07	0.03	0.03	0.02	0.14	0.05	0.01	<0.01	<0.002	<20	<1	0.7	100.01	13	<1	1.1	1.0
B00096145	Drill Core	2.30	70.68	17.09	0.45	0.08	0.64	6.63	1.91	<0.01	0.42	0.18	<0.002	<20	<1	1.6	99.68	8	163	0.3	773.5
B00096146	Drill Core	1.52	69.62	16.92	0.57	0.32	1.25	2.58	5.49	<0.01	0.32	0.13	<0.002	<20	<1	2.5	99.71	28	326	0.4	827.6
B00096147	Drill Core	1.61	74.91	16.98	0.39	0.05	0.31	3.72	2.00	<0.01	0.27	0.11	<0.002	<20	<1	1.1	99.80	7	232	<0.2	585.8
B00096148	Drill Core	2.18	72.80	16.23	0.44	0.02	0.53	6.72	1.57	<0.01	0.43	0.15	<0.002	<20	<1	0.9	99.81	5	180	<0.2	469.7
B00096149	Drill Core	2.36	73.10	16.06	0.61	0.03	0.53	6.84	1.03	<0.01	0.48	0.19	<0.002	<20	<1	0.9	99.77	2	157	0.3	555.2
B00096150	Drill Core	0.91	74.06	16.78	0.46	0.03	0.26	5.16	1.68	<0.01	0.23	0.11	<0.002	<20	<1	1.0	99.74	6	216	0.3	632.7
B00096151	Drill Core	2.40	71.24	16.58	0.77	0.28	0.34	4.89	3.69	<0.01	0.34	0.12	<0.002	<20	<1	1.2	99.49	16	586	2.6	897.8
B00096152	Drill Core	2.77	72.11	17.01	0.53	0.04	0.34	7.59	0.84	<0.01	0.34	0.21	<0.002	<20	<1	0.8	99.82	2	177	0.3	298.4
B00096153	Drill Core	2.86	71.97	17.07	0.66	0.02	0.33	7.54	0.83	<0.01	0.29	0.12	<0.002	<20	<1	1.0	99.80	2	114	0.5	344.4
B00096154	Drill Core	2.51	73.34	16.44	0.71	0.02	0.39	6.88	1.00	<0.01	0.38	0.14	<0.002	<20	<1	0.5	99.83	3	105	0.2	325.3
B00096155	Drill Core	2.63	74.01	15.78	0.65	0.02	0.40	6.70	0.91	<0.01	0.41	0.16	<0.002	<20	<1	0.8	99.82	2	205	<0.2	314.6
B00096156	Pulp	0.01	67.82	21.17	0.33	0.05	0.16	1.83	2.82	<0.01	0.24	0.03	0.017	<20	<1	1.6	96.05	11	17	0.2	>10000
B00096157	Drill Core	2.66	73.16	16.29	0.68	0.02	0.36	7.67	0.65	<0.01	0.36	0.14	<0.002	<20	<1	0.6	99.90	2	68	<0.2	194.3
B00096158	Drill Core	2.47	72.89	16.28	0.67	0.03	0.31	6.84	1.44	<0.01	0.29	0.13	<0.002	<20	<1	1.0	99.92	9	16	<0.2	220.2
B00096159	Drill Core	2.62	72.58	16.64	0.82	0.02	0.44	7.29	0.69	<0.01	0.60	0.30	<0.002	<20	<1	0.5	99.89	2	43	<0.2	184.1
B00096160	Drill Core	2.66	73.03	16.53	0.96	0.02	0.32	7.14	0.71	<0.01	0.41	0.22	<0.002	<20	<1	0.5	99.85	1	163	<0.2	187.4
B00096161	Drill Core	2.52	72.60	16.84	0.84	0.02	0.34	8.08	0.30	<0.01	0.37	0.18	<0.002	<20	<1	0.3	99.89	2	119	0.6	69.4
B00096162	Pulp	0.09	98.61	0.66	0.07	0.03	0.03	0.01	0.15	0.04	0.02	<0.01	<0.002	<20	<1	0.4	100.01	16	<1	0.6	0.8

# CERTIFICATE OF ANALYSIS

YVO14000006.1

Method	Analyte	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
B00096133	Drill Core	50.7	7.3	52.1	1188.2	43	15.5	112.6	6.8	14.5	<8	1.4	41.1	2.1	13.6	28.0	2.49	8.9	1.42	0.21	1.02
B00096134	Drill Core	41.2	2.6	22.9	1285.6	66	157.1	99.5	2.3	2.5	32	2.2	49.8	2.5	3.2	6.9	0.75	2.8	0.56	0.24	0.58
B00096135	Drill Core	19.3	2.6	8.1	76.1	5	98.0	2.9	13.1	10.2	12	2.8	36.1	25.3	10.9	25.8	2.99	11.0	3.53	0.20	3.52
B00096136	Drill Core	21.2	2.5	6.1	309.5	5	164.6	0.9	7.9	2.6	100	3.3	81.9	16.6	19.3	37.2	4.21	15.9	3.12	0.80	3.28
B00096137	Drill Core	32.4	2.3	51.9	906.8	293	14.9	65.9	3.6	7.1	<8	2.4	20.4	4.5	2.0	3.8	0.45	1.7	0.41	0.05	0.62
B00096138	Pulp	39.0	2.2	87.6	3634.0	109	12.6	158.1	7.9	3.8	<8	4.8	18.7	15.9	10.2	21.9	2.69	9.7	2.34	0.37	2.35
B00096139	Drill Core	17.7	2.3	14.9	787.3	20	17.9	8.3	12.3	7.4	<8	1.2	33.8	17.8	10.1	20.9	2.67	10.5	3.06	0.10	3.29
B00096140	Drill Core	29.0	4.0	33.2	1691.6	59	7.1	33.2	10.6	9.5	<8	2.6	40.2	7.7	4.5	9.7	1.24	4.7	1.35	0.04	1.49
B00096141	Drill Core	31.9	3.8	64.8	905.8	23	12.2	144.8	5.5	9.5	<8	1.5	35.6	5.3	2.5	5.4	0.57	2.3	0.64	0.06	0.80
B00096142	Drill Core	35.6	3.5	49.3	2944.8	60	9.0	568.2	1.4	3.3	<8	0.9	16.8	<0.1	0.2	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096143	Drill Core	39.4	3.8	30.9	2226.5	77	16.9	669.8	1.7	1.8	<8	1.3	16.5	0.3	1.0	1.1	0.07	0.3	<0.05	<0.02	0.08
B00096144	Pulp	5.6	1.5	2.1	7.0	1	5.1	1.2	2.2	0.4	<8	0.7	56.3	3.6	16.1	31.5	3.75	13.9	2.46	0.41	1.36
B00096145	Drill Core	46.4	5.0	97.8	1994.7	199	14.7	655.8	5.0	11.0	<8	1.9	26.3	4.6	10.8	19.0	1.86	6.4	1.16	0.32	1.26
B00096146	Drill Core	37.2	1.0	64.1	4751.6	117	18.0	182.0	2.9	4.2	<8	2.0	7.1	3.7	15.5	29.7	2.93	10.4	1.96	0.31	1.55
B00096147	Drill Core	35.7	1.4	65.6	2090.5	153	11.9	88.9	3.0	5.3	<8	2.4	10.2	1.3	0.8	1.5	0.12	0.6	0.13	0.05	0.25
B00096148	Drill Core	46.0	2.8	92.1	1788.9	120	14.1	141.7	4.6	7.1	<8	2.3	16.9	1.7	1.2	2.3	0.24	0.8	0.20	0.07	0.32
B00096149	Drill Core	48.1	3.2	110.3	1214.2	131	20.5	151.9	3.9	9.6	<8	2.3	20.5	1.0	1.1	1.8	0.13	0.5	0.10	0.03	0.23
B00096150	Drill Core	40.7	2.3	81.9	1710.9	149	10.0	110.0	3.8	6.4	<8	2.3	15.6	1.4	0.9	1.6	0.13	0.5	0.14	0.04	0.32
B00096151	Drill Core	47.1	3.6	119.8	3554.7	291	16.4	204.6	5.1	12.2	<8	3.0	24.0	7.6	38.1	71.7	6.89	23.6	4.24	0.79	3.51
B00096152	Drill Core	41.4	3.5	85.9	815.0	219	12.0	142.9	5.3	10.0	<8	1.7	21.7	3.0	4.6	7.4	0.71	2.6	0.49	0.14	0.59
B00096153	Drill Core	48.6	5.6	111.1	1013.8	231	17.9	150.6	5.5	14.7	<8	1.9	36.2	0.5	0.4	0.7	0.04	<0.3	<0.05	<0.02	0.10
B00096154	Drill Core	45.7	5.4	121.4	1116.5	200	30.1	161.0	5.2	16.9	<8	2.2	37.7	0.7	0.3	0.4	0.03	<0.3	<0.05	<0.02	0.11
B00096155	Drill Core	43.7	4.4	115.6	1037.0	59	18.6	131.1	6.2	14.6	<8	2.3	33.3	1.0	0.5	0.9	0.07	0.4	0.14	<0.02	0.23
B00096156	Pulp	56.5	0.9	20.4	4219.1	65	22.0	70.8	1.7	2.9	<8	0.7	6.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096157	Drill Core	37.7	5.8	82.4	596.7	27	11.3	107.8	7.6	15.6	<8	1.3	46.4	1.5	1.1	2.1	0.22	1.0	0.18	<0.02	0.24
B00096158	Drill Core	35.7	5.1	52.1	1248.7	46	11.7	113.5	8.6	11.3	<8	1.3	48.9	2.7	5.0	9.9	1.06	4.0	0.77	0.07	0.67
B00096159	Drill Core	46.3	6.4	122.8	770.9	89	9.2	152.9	5.2	14.8	<8	2.4	48.5	1.0	0.6	0.9	0.07	<0.3	0.10	0.03	0.12
B00096160	Drill Core	44.0	6.1	113.6	753.2	53	8.1	124.0	5.7	18.2	<8	2.1	48.5	0.9	0.5	0.8	0.06	<0.3	<0.05	<0.02	0.13
B00096161	Drill Core	36.8	6.0	93.7	169.4	13	6.6	125.9	4.4	20.7	<8	1.9	45.7	0.9	0.7	0.9	0.07	<0.3	0.10	0.03	0.12
B00096162	Pulp	4.5	1.4	1.8	4.6	2	4.0	2.1	2.3	0.4	<8	<0.5	49.2	3.4	13.7	25.9	3.07	11.8	1.94	0.32	1.24

# CERTIFICATE OF ANALYSIS

YVO14000006.1

Method Analyte	Unit	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
MDL	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
B00096133	Drill Core	0.10	0.37	0.05	0.10	0.01	0.06	<0.01	<0.02	<0.02	<0.01	0.02	681		
B00096134	Drill Core	0.08	0.44	0.09	0.28	0.03	0.29	0.04	0.03	0.03	0.04	<0.01	965		
B00096135	Drill Core	0.70	4.00	0.78	2.24	0.37	2.26	0.31	0.02	0.30	0.02	<0.01	139		
B00096136	Drill Core	0.54	3.03	0.58	1.67	0.28	1.71	0.27	<0.02	1.22	0.10	0.09	485		
B00096137	Drill Core	0.12	0.69	0.12	0.37	0.05	0.36	0.05	<0.02	0.10	0.06	0.06	1596		
B00096138	Pulp	0.40	2.45	0.53	1.62	0.24	1.55	0.24	0.03	<0.02	0.06	0.53	9889		
B00096139	Drill Core	0.57	3.04	0.55	1.57	0.25	1.45	0.22	<0.02	0.04	0.01	0.11	913		
B00096140	Drill Core	0.26	1.41	0.25	0.62	0.11	0.62	0.09	<0.02	<0.02	0.06	0.09	1578		
B00096141	Drill Core	0.15	0.82	0.15	0.42	0.07	0.47	0.07	<0.02	<0.02	0.16	0.15	2366		
B00096142	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.10	1.16	1507		
B00096143	Drill Core	0.01	<0.05	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.07	1.37	5958	1.23	0.26
B00096144	Pulp	0.18	0.86	0.14	0.37	0.06	0.35	0.06	<0.02	<0.02	<0.01	<0.01	45		
B00096145	Drill Core	0.17	0.84	0.11	0.24	0.03	0.19	0.02	0.09	<0.02	0.11	0.29	4244		
B00096146	Drill Core	0.18	0.74	0.09	0.22	0.03	0.11	0.01	0.20	0.05	0.09	0.43	2595		
B00096147	Drill Core	0.03	0.17	<0.02	0.06	<0.01	<0.05	<0.01	<0.02	<0.02	0.08	0.96	2400		
B00096148	Drill Core	0.05	0.23	0.04	0.13	0.02	0.12	0.02	0.02	<0.02	0.10	0.15	2816		
B00096149	Drill Core	0.03	0.18	<0.02	0.05	<0.01	<0.05	<0.01	<0.02	<0.02	0.11	0.12	2227		
B00096150	Drill Core	0.04	0.16	0.03	0.07	<0.01	0.06	<0.01	<0.02	<0.02	0.09	0.57	2333		
B00096151	Drill Core	0.38	1.51	0.21	0.45	0.05	0.26	0.03	<0.02	0.05	0.04	0.16	2580		
B00096152	Drill Core	0.09	0.35	0.06	0.14	0.01	0.09	<0.01	0.02	<0.02	0.12	0.12	1969		
B00096153	Drill Core	0.02	0.09	<0.02	0.05	<0.01	<0.05	<0.01	<0.02	<0.02	0.14	0.12	2178		
B00096154	Drill Core	0.02	0.14	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.15	0.13	2520		
B00096155	Drill Core	0.04	0.22	0.02	0.05	<0.01	0.05	<0.01	<0.02	<0.02	0.13	0.12	2090		
B00096156	Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	1.78	755	4.07	0.47
B00096157	Drill Core	0.05	0.26	0.05	0.12	0.02	0.10	0.02	<0.02	<0.02	0.14	0.08	1340		
B00096158	Drill Core	0.10	0.51	0.08	0.25	0.03	0.26	0.04	<0.02	<0.02	0.14	0.13	1347		
B00096159	Drill Core	0.03	0.18	0.02	0.08	0.01	0.07	<0.01	<0.02	<0.02	0.18	0.15	1930		
B00096160	Drill Core	0.03	0.14	0.02	0.05	0.01	0.07	<0.01	<0.02	<0.02	0.19	0.10	1698		
B00096161	Drill Core	0.03	0.14	<0.02	0.09	<0.01	0.11	0.01	<0.02	<0.02	0.19	0.07	885		
B00096162	Pulp	0.15	0.84	0.12	0.29	0.05	0.38	0.05	<0.02	<0.02	<0.01	<0.01	498		



# CERTIFICATE OF ANALYSIS

YVO1400006.1

Method	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
B00096163	Drill Core	1.37	73.66	15.04	0.90	0.06	0.47	4.42	3.88	<0.01	0.36	0.08	<0.002	<20	1	0.9	99.81	177	21	<0.2	1160.6
B00096164	Drill Core	1.04	72.82	15.74	0.48	0.12	0.34	5.62	3.12	<0.01	0.54	0.05	<0.002	<20	1	0.9	99.77	86	73	<0.2	686.0
B00096165	Drill Core	2.50	82.66	10.44	0.70	0.03	0.33	3.47	1.66	<0.01	0.18	0.05	<0.002	<20	<1	0.4	99.91	75	112	<0.2	135.1
B00096166	Drill Core	4.59	76.19	13.55	1.14	0.06	0.64	3.34	4.45	0.01	0.07	0.06	<0.002	<20	3	0.4	99.92	235	3	<0.2	341.2
B00096167	Drill Core	3.70	76.81	13.26	0.95	0.05	0.53	3.49	3.69	<0.01	0.11	0.07	<0.002	<20	2	0.9	99.91	175	50	<0.2	288.3
B00096168	Drill Core	0.60	72.42	16.04	0.46	0.04	0.35	5.91	3.02	<0.01	0.60	0.06	<0.002	<20	1	0.9	99.79	78	130	<0.2	759.8
B00096169	Drill Core	2.08	76.78	13.12	0.83	0.04	0.68	3.41	4.24	<0.01	0.19	0.06	<0.002	<20	2	0.5	99.86	177	154	<0.2	291.9
B00096170	Drill Core	3.09	74.53	15.36	0.42	0.02	0.26	5.83	1.81	<0.01	0.45	0.10	<0.002	<20	<1	1.1	99.87	39	133	<0.2	307.6
B00096171	Drill Core	2.20	75.89	13.95	0.97	0.04	0.55	3.46	3.66	<0.01	0.10	0.08	<0.002	<20	2	1.2	99.88	177	16	<0.2	639.8
B00096172	Drill Core	2.86	76.19	13.40	1.07	0.05	0.64	3.31	4.37	<0.01	0.02	0.05	<0.002	<20	3	0.8	99.92	202	12	<0.2	417.7
B00096173	Drill Core	2.76	72.10	16.72	0.26	<0.01	0.40	8.06	0.82	<0.01	0.47	0.16	<0.002	<20	<1	0.9	99.86	7	178	<0.2	163.2
B00096174	Pulp	0.01	79.36	11.07	0.67	0.02	1.34	2.26	2.23	<0.01	1.14	0.30	0.004	<20	<1	1.3	99.68	16	494	0.6	661.4
B00096175	Drill Core	2.43	70.15	18.23	0.41	0.02	0.15	5.58	2.81	<0.01	0.42	0.16	<0.002	<20	<1	1.8	99.73	26	143	0.2	905.6
B00096176	Drill Core	2.51	74.03	15.45	0.89	0.06	0.34	3.28	3.94	<0.01	0.18	0.13	<0.002	<20	2	1.5	99.77	111	229	0.3	899.0
B00096177	Drill Core	2.68	75.86	13.93	1.01	0.03	0.60	3.61	4.51	<0.01	0.06	0.07	<0.002	<20	3	0.2	99.89	175	3	0.3	460.5
B00096178	Drill Core	2.30	70.43	16.22	0.17	<0.01	0.14	1.91	9.99	<0.01	0.28	0.03	<0.002	<20	<1	0.6	99.79	69	80	0.5	724.6
B00096179	Drill Core	2.58	77.96	12.60	0.18	0.01	0.11	1.65	6.11	<0.01	0.28	0.07	<0.002	<20	<1	0.9	99.90	95	24	0.9	637.4
B00096180	Pulp	0.09	98.10	0.66	0.14	0.03	0.04	0.02	0.15	0.05	<0.01	<0.01	<0.002	<20	<1	0.8	100.00	16	<1	0.9	0.4
B00096181	Drill Core	2.58	68.93	17.06	0.07	<0.01	0.08	1.50	10.94	<0.01	0.31	0.03	<0.002	<20	<1	1.0	99.88	226	26	0.3	709.9
B00096182	Drill Core	2.47	68.14	17.96	0.15	0.01	0.16	1.46	8.96	<0.01	0.61	0.13	<0.002	<20	<1	2.1	99.71	80	115	0.6	1126.8
B00096183	Drill Core	2.92	72.60	16.11	0.18	0.01	0.06	1.63	6.33	<0.01	0.38	0.17	<0.002	<20	<1	2.3	99.80	46	71	0.7	1147.9
B00096184	Drill Core	0.92	66.69	18.03	0.07	<0.01	0.08	1.54	12.61	<0.01	0.32	0.01	<0.002	<20	<1	0.5	99.86	214	117	<0.2	693.6
B00096185	Drill Core	2.69	75.43	14.33	0.17	0.02	0.07	0.78	5.96	<0.01	0.44	0.16	<0.002	<20	<1	2.4	99.77	39	137	1.0	1258.3
B00096186	Drill Core	0.59	67.16	17.60	0.06	<0.01	0.08	1.55	11.41	<0.01	0.41	0.04	<0.002	<20	<1	1.5	99.79	176	222	<0.2	873.2
B00096187	Drill Core	2.67	73.53	15.74	0.21	0.01	0.05	1.10	5.99	<0.01	0.35	0.19	<0.002	<20	<1	2.4	99.55	27	625	<0.2	1513.7
B00096188	Drill Core	2.46	67.45	18.39	0.10	0.01	0.15	1.98	9.84	<0.01	0.40	0.10	<0.002	<20	<1	1.4	99.83	115	43	<0.2	1100.2
B00096189	Drill Core	2.55	66.51	18.47	0.08	0.01	0.12	1.71	11.11	<0.01	0.35	0.05	<0.002	<20	<1	1.4	99.84	197	58	<0.2	843.4
B00096190	Drill Core	2.72	66.92	18.68	0.13	<0.01	0.15	2.00	9.37	<0.01	0.46	0.10	<0.002	<20	<1	2.0	99.78	86	109	<0.2	1163.5
B00096191	Drill Core	2.05	66.07	18.41	<0.04	<0.01	0.11	1.65	12.77	<0.01	0.34	<0.01	<0.002	<20	<1	0.5	99.91	75	4	<0.2	877.6
B00096192	Pulp	0.01	72.47	16.12	0.45	0.05	0.24	2.90	5.79	<0.01	0.33	0.02	0.036	<20	<1	1.0	99.37	17	32	0.5	5786.8

# CERTIFICATE OF ANALYSIS

YVO1400006.1

Method Analyte Unit MDL		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
B00096163	Drill Core	31.1	4.1	53.6	2535.2	34	31.6	68.3	9.3	9.4	<8	4.6	47.4	10.9	14.1	26.2	2.74	9.2	2.11	0.30	1.97	
B00096164	Drill Core	39.9	3.0	54.0	1633.3	83	31.5	562.5	4.7	8.9	<8	1.8	20.5	17.6	37.0	64.7	6.33	21.5	4.38	0.66	4.15	
B00096165	Drill Core	21.2	3.1	22.0	944.8	30	22.5	92.5	10.6	5.8	<8	0.9	38.8	10.1	8.6	17.0	1.96	6.7	1.88	0.19	1.78	
B00096166	Drill Core	18.2	2.4	11.1	1670.0	33	52.8	4.0	17.5	6.4	<8	2.6	52.6	14.2	16.7	33.6	3.90	14.2	3.15	0.32	3.13	
B00096167	Drill Core	23.2	2.7	27.2	1764.4	38	41.1	33.2	15.2	6.5	<8	2.7	48.2	12.1	14.5	27.1	3.46	12.5	2.96	0.23	2.56	
B00096168	Drill Core	43.7	2.7	43.0	1703.5	40	31.0	336.1	6.3	8.3	<8	2.1	24.5	11.2	13.4	24.3	2.71	9.6	2.00	0.31	1.93	
B00096169	Drill Core	20.3	2.3	36.4	1764.3	34	44.7	64.2	13.0	6.7	<8	2.5	43.3	13.4	13.3	25.8	3.13	11.0	2.65	0.27	2.54	
B00096170	Drill Core	43.7	2.9	83.1	1719.6	99	16.5	189.2	4.3	6.5	<8	2.5	22.1	2.9	3.0	5.5	0.68	2.6	0.58	0.08	0.55	
B00096171	Drill Core	22.0	2.8	16.6	2725.1	49	45.4	21.8	13.6	5.4	<8	5.7	47.0	13.6	12.0	23.7	2.81	10.6	2.45	0.22	2.38	
B00096172	Drill Core	15.4	2.8	9.9	941.5	13	51.2	6.6	16.2	13.1	<8	2.5	51.6	12.6	15.8	31.8	3.79	13.5	3.08	0.29	2.76	
B00096173	Drill Core	48.1	3.1	72.6	884.0	122	16.0	255.3	3.7	8.2	<8	1.1	15.9	0.9	1.1	1.5	0.20	0.7	0.13	0.05	0.12	
B00096174	Pulp	35.2	2.2	83.1	3187.4	101	12.0	152.2	7.5	3.8	<8	4.9	16.1	15.6	8.6	20.5	2.53	9.8	2.17	0.38	2.30	
B00096175	Drill Core	61.2	3.7	103.8	4168.0	531	12.0	338.5	4.5	8.9	<8	4.3	23.4	3.0	3.7	7.3	0.82	2.7	0.66	0.09	0.71	
B00096176	Drill Core	36.2	3.0	21.6	3614.4	112	29.1	49.5	12.8	5.7	<8	5.9	38.6	9.5	8.8	18.5	2.11	7.0	1.86	0.18	1.86	
B00096177	Drill Core	17.1	2.2	28.2	1615.8	32	42.7	61.4	14.0	5.7	<8	2.6	41.8	11.7	14.6	29.5	3.32	12.1	2.50	0.27	2.90	
B00096178	Drill Core	26.4	0.6	9.6	8035.9	576	15.3	67.8	1.9	2.0	<8	1.4	5.0	1.2	1.6	2.8	0.29	1.2	0.27	0.04	0.22	
B00096179	Drill Core	29.3	0.9	13.7	5491.4	67	11.7	46.5	3.2	2.1	<8	2.4	8.0	0.9	1.9	3.8	0.32	1.0	0.32	0.05	0.26	
B00096180	Pulp	0.9	1.2	0.8	4.9	<1	4.3	0.5	1.6	0.2	<8	0.5	52.8	3.1	11.6	22.7	2.75	9.7	1.82	0.31	1.21	
B00096181	Drill Core	28.6	0.1	5.9	8682.8	43	18.9	32.2	<0.2	1.0	<8	1.2	1.0	0.3	0.8	0.9	0.06	<0.3	<0.05	<0.02	0.08	
B00096182	Drill Core	52.9	0.7	22.8	8631.2	806	16.1	85.6	0.2	2.9	<8	3.9	3.1	1.3	2.1	2.9	0.27	1.0	0.28	0.08	0.36	
B00096183	Drill Core	60.4	0.6	31.5	7564.4	265	6.9	99.8	0.3	2.8	<8	5.1	2.9	0.8	0.7	0.8	0.08	0.3	0.11	0.03	0.09	
B00096184	Drill Core	28.7	0.1	3.5	>10000	40	20.6	9.8	<0.2	0.5	<8	0.6	0.8	0.7	0.7	1.1	0.14	0.4	0.15	0.03	0.15	
B00096185	Drill Core	55.1	0.8	33.4	7500.1	236	7.1	89.5	0.4	4.6	<8	5.2	3.4	2.1	7.5	15.9	1.60	5.3	1.05	0.20	0.90	
B00096186	Drill Core	34.2	0.3	11.5	>10000	175	18.3	39.4	0.3	0.8	<8	1.4	0.9	0.7	0.5	1.1	0.14	0.4	0.17	0.04	0.17	
B00096187	Drill Core	62.5	1.2	50.7	8110.5	308	6.2	132.1	0.6	2.2	<8	5.9	4.3	1.2	1.8	3.1	0.35	1.0	0.29	0.04	0.26	
B00096188	Drill Core	46.4	0.8	21.9	9878.6	197	26.3	52.9	0.4	1.6	<8	2.9	3.0	0.5	1.4	1.4	0.12	0.3	0.16	<0.02	0.10	
B00096189	Drill Core	34.3	0.5	12.0	>10000	271	30.3	43.1	<0.2	2.7	<8	1.9	2.0	0.3	0.9	0.6	0.08	<0.3	0.06	<0.02	<0.05	
B00096190	Drill Core	45.2	0.7	19.2	9352.5	357	34.0	61.1	<0.2	1.8	<8	3.1	2.4	0.4	0.3	0.4	0.07	<0.3	<0.05	<0.02	<0.05	
B00096191	Drill Core	25.7	<0.1	1.3	>10000	9	32.1	10.2	<0.2	0.8	<8	<0.5	0.6	<0.1	1.3	2.1	0.23	0.5	0.10	<0.02	0.05	
B00096192	Pulp	57.2	1.1	20.5	6826.3	58	21.9	65.7	1.2	3.7	<8	1.1	7.2	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	

# CERTIFICATE OF ANALYSIS

YVO1400006.1

Method Analyte	Unit	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
B00096163	Drill Core	0.30	1.67	0.32	0.93	0.13	0.86	0.13	<0.02	<0.02	0.11	0.21	4010		
B00096164	Drill Core	0.57	2.88	0.45	1.15	0.15	0.82	0.11	<0.02	0.03	0.05	0.12	1818		
B00096165	Drill Core	0.30	1.53	0.30	0.89	0.12	0.91	0.13	<0.02	<0.02	0.15	0.07	1548		
B00096166	Drill Core	0.47	2.44	0.46	1.20	0.18	1.23	0.19	<0.02	<0.02	0.05	0.13	2970		
B00096167	Drill Core	0.39	1.93	0.36	1.05	0.16	1.03	0.16	<0.02	<0.02	0.07	0.13	3216		
B00096168	Drill Core	0.30	1.61	0.31	0.83	0.12	0.73	0.11	<0.02	<0.02	0.06	0.13	2424		
B00096169	Drill Core	0.40	2.08	0.42	1.16	0.18	1.25	0.20	<0.02	<0.02	0.05	0.13	2770		
B00096170	Drill Core	0.09	0.47	0.08	0.27	0.03	0.25	0.04	<0.02	<0.02	0.08	0.25	4856		
B00096171	Drill Core	0.38	2.20	0.40	1.23	0.18	1.25	0.20	<0.02	<0.02	0.11	0.33	6693		
B00096172	Drill Core	0.42	2.23	0.38	1.15	0.17	1.14	0.19	<0.02	<0.02	0.12	0.13	2798		
B00096173	Drill Core	0.02	0.11	0.02	0.06	<0.01	0.08	0.01	<0.02	<0.02	0.08	0.11	1882		
B00096174	Pulp	0.40	2.36	0.49	1.61	0.24	1.50	0.23	<0.02	<0.02	0.06	0.52	9733		
B00096175	Drill Core	0.10	0.46	0.07	0.25	0.03	0.18	0.03	<0.02	<0.02	0.09	0.52	>10000		
B00096176	Drill Core	0.32	1.62	0.30	0.85	0.13	0.86	0.14	<0.02	<0.02	0.10	0.38	8860		
B00096177	Drill Core	0.42	2.13	0.31	1.18	0.15	1.28	0.20	<0.02	<0.02	0.05	0.11	2152		
B00096178	Drill Core	0.03	0.18	0.03	0.13	0.01	0.10	0.02	<0.02	<0.02	0.03	0.11	1657		
B00096179	Drill Core	0.03	0.15	0.03	0.08	0.01	0.10	0.02	<0.02	<0.02	0.02	0.26	4784		
B00096180	Pulp	0.15	0.85	0.13	0.52	0.05	0.43	0.06	<0.02	<0.02	<0.01	<0.01	45		
B00096181	Drill Core	0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.15	2629		
B00096182	Drill Core	0.04	0.25	0.06	0.11	0.02	0.07	0.01	<0.02	<0.02	0.01	0.58	>10000		
B00096183	Drill Core	0.02	0.10	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	0.71	>10000		
B00096184	Drill Core	0.02	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.07	1396	0.07	1.07
B00096185	Drill Core	0.09	0.35	0.05	0.09	<0.01	0.06	<0.01	<0.02	<0.02	0.01	0.74	>10000		
B00096186	Drill Core	0.02	0.12	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	0.20	3828	0.08	1.02
B00096187	Drill Core	0.03	0.15	<0.02	0.06	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.85	>10000		
B00096188	Drill Core	0.01	0.05	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.43	8597		
B00096189	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.24	4000	0.08	1.04
B00096190	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	0.49	9080		
B00096191	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.05	580	0.09	1.12
B00096192	Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	0.46	414		

# CERTIFICATE OF ANALYSIS

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Method	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
B00096193	Drill Core	1.36	66.38	18.21	0.06	<0.01	0.10	2.16	11.85	<0.01	0.29	<0.01	<0.002	<20	<1	0.8	99.88	55	4	<0.2	812.4
B00096194	Drill Core	2.61	75.54	13.63	1.13	0.03	0.59	3.43	4.66	<0.01	0.03	0.06	<0.002	<20	3	0.8	99.91	196	7	<0.2	452.2
B00096195	Drill Core	2.55	83.03	9.94	0.32	0.01	0.16	1.09	3.32	<0.01	0.45	0.16	<0.002	<20	<1	1.3	99.84	22	95	<0.2	841.6
B00096196	Drill Core	2.65	83.63	8.93	0.15	<0.01	0.13	1.05	2.09	<0.01	2.05	0.11	<0.002	<20	<1	1.7	99.85	9	118	<0.2	705.5
B00096197	Drill Core	2.72	81.23	10.48	0.16	<0.01	0.08	0.89	5.18	<0.01	0.41	0.08	<0.002	<20	<1	1.4	99.88	60	37	<0.2	886.9
B00096198	Pulp	0.09	97.93	0.67	0.13	0.04	0.03	0.02	0.15	0.05	<0.01	<0.01	<0.002	<20	<1	1.0	100.00	12	<1	0.6	1.1
B00096199	Drill Core	2.62	72.59	15.58	0.29	<0.01	0.18	2.21	6.98	<0.01	0.46	0.09	<0.002	<20	<1	1.5	99.84	50	109	<0.2	830.0
B00096200	Drill Core	2.60	72.48	14.83	0.12	<0.01	0.15	1.21	8.91	<0.01	0.59	0.05	<0.002	<20	<1	1.5	99.85	94	99	<0.2	870.6
B00096201	Drill Core	1.45	79.79	11.96	0.33	<0.01	0.20	1.33	3.87	<0.01	0.38	0.18	<0.002	<20	<1	1.8	99.84	14	38	0.3	966.8
B00096202	Drill Core	2.82	80.23	11.28	0.14	<0.01	0.11	0.84	4.70	<0.01	0.96	0.11	<0.002	<20	<1	1.4	99.81	28	198	<0.2	960.1
B00096203	Drill Core	2.74	70.53	17.24	0.20	<0.01	0.13	2.84	5.62	<0.01	0.91	0.17	<0.002	<20	<1	2.0	99.65	21	349	0.4	1361.4
B00096204	Drill Core	0.87	81.53	10.97	0.28	<0.01	0.14	1.17	3.79	<0.01	0.38	0.16	<0.002	<20	<1	1.4	99.84	19	103	0.3	894.1
B00096205	Drill Core	2.88	69.24	17.31	0.13	<0.01	0.14	2.91	9.08	<0.01	0.30	0.04	<0.002	<20	<1	0.7	99.85	43	107	0.3	912.6
B00096206	Drill Core	2.20	76.21	13.58	1.05	0.03	0.64	3.49	4.60	<0.01	0.04	0.07	<0.002	<20	3	0.2	99.91	189	15	0.3	461.3
B00096207	Drill Core	2.07	75.97	13.86	0.96	0.03	0.58	3.65	4.39	<0.01	0.10	0.06	<0.002	<20	3	0.3	99.92	174	16	<0.2	345.2
B00096208	Drill Core	2.37	76.27	13.43	1.11	0.03	0.69	3.42	4.60	0.01	0.01	0.06	<0.002	<20	3	0.3	99.95	198	2	0.5	127.2
B00096209	Drill Core	3.74	76.27	13.59	1.08	0.03	0.69	3.61	4.36	0.01	0.03	0.06	<0.002	<20	3	0.2	99.93	167	2	0.7	202.7
B00096210	Pulp	0.01	70.73	18.89	0.40	0.05	0.19	2.25	4.13	<0.01	0.28	0.03	0.031	37	1	0.9	97.84	11	21	1.4	>10000
B00096211	Drill Core	1.22	70.96	16.59	0.10	0.01	0.17	2.53	8.60	<0.01	0.31	0.03	<0.002	<20	<1	0.6	99.90	104	19	0.3	668.1
B00096212	Drill Core	2.76	74.94	14.52	0.82	0.02	0.49	3.95	3.65	<0.01	0.28	0.10	<0.002	<20	2	1.0	99.83	141	40	0.3	647.6
B00096213	Drill Core	2.01	75.77	13.73	1.04	0.05	0.51	3.58	3.83	<0.01	0.12	0.09	<0.002	<20	3	1.1	99.83	178	30	0.5	648.7
B00096214	Drill Core	2.26	73.76	16.58	0.23	0.02	0.16	2.93	5.38	<0.01	0.14	0.04	<0.002	<20	<1	0.6	99.86	57	71	1.0	348.4
B00096215	Drill Core	2.48	74.89	15.20	0.55	0.03	0.31	2.96	4.95	<0.01	0.18	0.05	<0.002	<20	1	0.7	99.84	120	18	0.6	627.3
B00096216	Pulp	0.09	98.40	0.69	0.13	0.04	0.03	0.02	0.16	0.05	<0.01	<0.01	<0.002	<20	<1	0.5	100.01	11	<1	0.5	0.7
B00096217	Drill Core	3.01	75.60	13.73	1.15	0.03	0.70	3.34	4.65	<0.01	<0.01	0.06	<0.002	<20	3	0.5	99.77	219	4	0.4	450.7
B00096218	Drill Core	1.49	70.51	16.56	0.25	0.01	0.20	3.30	7.09	<0.01	0.40	0.07	<0.002	<20	<1	1.3	99.68	85	192	0.4	635.4
B00096219	Drill Core	2.22	74.27	15.06	0.85	0.03	0.51	4.04	3.55	<0.01	0.20	0.08	0.002	<20	2	1.3	99.89	147	65	0.4	481.2
B00096220	Drill Core	2.67	75.70	14.21	0.79	0.03	0.45	4.06	3.26	<0.01	0.13	0.06	<0.002	<20	2	1.2	99.85	153	51	0.8	459.1
B00096221	Drill Core	1.45	75.22	14.60	0.55	0.02	0.34	5.08	3.15	<0.01	0.12	0.06	<0.002	<20	1	0.6	99.76	83	135	0.8	331.2
B00096222	Drill Core	0.89	76.37	14.07	0.59	0.02	0.33	4.65	3.06	<0.01	0.11	0.06	<0.002	<20	1	0.5	99.75	80	326	0.9	372.6

# CERTIFICATE OF ANALYSIS

YVO14000006.1

Method	Analyte	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
B00096193	Drill Core	27.0	0.2	17.7	>10000	48	32.3	188.1	<0.2	0.5	<8	0.7	1.0	0.2	0.8	0.9	0.10	<0.3	0.09	<0.02	<0.05
B00096194	Drill Core	13.5	2.2	10.0	1339.5	14	48.8	3.7	13.6	4.1	<8	2.4	46.3	12.7	13.1	26.7	3.26	11.6	2.40	0.23	2.47
B00096195	Drill Core	37.8	1.9	35.9	4547.3	125	12.3	82.8	4.4	2.2	<8	4.6	14.6	1.8	2.2	4.1	0.54	1.7	0.41	0.04	0.37
B00096196	Drill Core	29.2	1.2	26.5	3124.3	95	108.8	106.4	1.3	3.2	<8	3.0	5.3	0.7	1.0	1.7	0.22	0.8	0.22	<0.02	0.13
B00096197	Drill Core	29.0	0.5	17.4	5796.1	80	27.3	56.5	1.1	1.1	<8	2.7	3.6	0.3	0.8	1.6	0.20	0.4	0.14	<0.02	0.10
B00096198	Pulp	<0.5	1.4	1.0	6.0	<1	3.7	0.5	1.9	0.4	<8	0.6	57.1	2.9	12.5	27.2	3.16	12.1	1.77	0.34	1.18
B00096199	Drill Core	36.7	1.0	27.6	6931.0	69	21.6	100.0	2.0	2.7	<8	3.0	7.0	1.8	2.0	3.0	0.39	1.2	0.34	0.04	0.31
B00096200	Drill Core	26.9	0.2	10.0	8310.4	32	55.6	32.0	0.5	1.1	<8	1.7	2.0	0.3	1.0	1.5	0.19	0.6	0.12	<0.02	0.07
B00096201	Drill Core	46.5	1.5	42.7	5760.5	217	18.9	128.1	3.8	2.1	<8	5.5	10.2	1.5	1.9	4.1	0.42	1.8	0.41	0.04	0.32
B00096202	Drill Core	36.5	0.6	21.6	5926.9	173	19.1	54.8	0.7	1.1	<8	3.3	3.8	0.2	0.2	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
B00096203	Drill Core	55.8	1.9	61.2	7549.1	289	16.8	188.9	3.4	4.2	<8	6.2	9.2	0.4	0.4	1.0	0.09	0.4	0.09	<0.02	0.09
B00096204	Drill Core	39.0	1.1	34.4	5375.8	89	11.2	110.0	2.9	2.8	<8	5.3	7.9	1.0	1.4	2.5	0.25	1.2	0.20	0.02	0.21
B00096205	Drill Core	32.7	0.5	18.7	8165.0	44	18.0	54.8	1.4	1.9	<8	1.0	2.9	<0.1	0.3	0.6	0.02	<0.3	<0.05	<0.02	<0.05
B00096206	Drill Core	14.6	2.2	11.4	1257.1	13	46.7	5.4	15.0	4.7	<8	1.5	44.8	15.9	14.4	28.6	3.26	11.9	2.85	0.28	2.77
B00096207	Drill Core	17.0	2.0	19.8	1756.3	33	40.1	25.5	12.4	5.0	<8	2.2	44.0	12.6	12.2	24.0	2.79	10.1	2.34	0.24	2.23
B00096208	Drill Core	14.2	2.1	8.8	397.8	3	48.9	2.5	15.9	6.2	<8	0.7	45.9	17.8	15.8	30.5	3.46	11.2	3.08	0.28	2.92
B00096209	Drill Core	12.9	2.1	7.7	753.3	7	46.6	2.4	13.8	5.6	8	2.8	42.8	14.1	13.9	31.0	3.25	11.0	2.67	0.24	2.64
B00096210	Pulp	57.0	1.0	21.5	5335.7	63	20.7	71.1	1.1	2.9	<8	0.6	6.7	<0.1	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096211	Drill Core	32.9	0.4	20.7	6409.0	119	24.3	50.2	0.4	1.5	<8	1.1	2.6	1.4	1.6	2.6	0.22	1.0	0.16	0.04	0.16
B00096212	Drill Core	23.8	2.0	18.4	3127.2	57	28.9	27.2	11.6	4.6	<8	5.3	36.6	10.3	10.9	21.0	2.44	9.2	2.05	0.21	2.12
B00096213	Drill Core	16.7	2.3	12.4	2718.3	52	38.4	8.0	13.5	4.8	<8	5.8	45.0	12.6	13.7	26.6	3.12	10.6	2.46	0.21	2.31
B00096214	Drill Core	24.3	0.8	21.3	3318.1	53	17.3	44.8	2.1	1.7	<8	0.9	6.5	1.7	1.4	2.9	0.27	1.1	0.23	0.04	0.28
B00096215	Drill Core	21.6	1.3	22.5	4148.7	48	26.3	55.9	7.8	3.7	<8	3.1	24.2	6.3	7.7	15.0	1.66	6.3	1.31	0.12	1.23
B00096216	Pulp	<0.5	1.2	1.0	4.5	<1	3.0	0.2	1.7	0.2	<8	<0.5	46.9	4.8	11.9	23.5	2.67	11.0	1.62	0.25	1.29
B00096217	Drill Core	13.0	1.9	9.1	727.2	11	52.9	1.4	15.0	5.3	<8	2.0	46.6	14.8	15.4	30.4	3.51	13.7	2.82	0.30	2.88
B00096218	Drill Core	36.5	2.0	99.7	5933.3	352	21.7	304.2	2.6	4.4	<8	1.5	11.6	2.2	1.8	3.2	0.34	1.4	0.29	0.04	0.34
B00096219	Drill Core	22.4	2.0	28.7	2932.8	57	31.8	52.4	9.6	6.3	<8	5.0	32.4	8.3	9.4	19.1	2.19	7.5	1.75	0.21	1.59
B00096220	Drill Core	19.2	1.6	16.1	2631.9	46	35.3	21.4	10.6	4.7	<8	4.8	32.5	10.4	10.0	19.4	2.25	7.4	1.99	0.18	1.87
B00096221	Drill Core	26.7	1.7	103.9	2194.6	69	24.6	152.5	8.6	6.0	<8	3.0	21.7	6.5	5.6	10.5	1.21	4.6	1.01	0.12	1.05
B00096222	Drill Core	27.7	1.4	56.3	2267.2	78	24.5	86.5	8.6	6.0	<8	2.6	20.3	6.2	6.2	11.9	1.35	4.7	1.09	0.12	1.08

# CERTIFICATE OF ANALYSIS

YVO1400006.1

Method	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700	
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%	
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01	
B00096193	Drill Core	<0.01	0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.05	941	0.08	1.03
B00096194	Drill Core	0.38	2.17	0.43	1.19	0.18	1.15	0.18	0.04	<0.02	0.06	0.12	1799		
B00096195	Drill Core	0.05	0.31	0.05	0.19	0.02	0.16	0.02	<0.02	<0.02	0.03	0.55	>10000		
B00096196	Drill Core	0.02	0.08	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	0.62	9797		
B00096197	Drill Core	0.02	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	0.02	0.35	7026		
B00096198	Pulp	0.15	0.63	0.12	0.45	0.06	0.42	0.06	<0.02	<0.02	<0.01	<0.01	73		
B00096199	Drill Core	0.05	0.33	0.06	0.16	0.02	0.17	0.03	<0.02	<0.02	0.07	0.30	6490		
B00096200	Drill Core	<0.01	0.07	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.21	4039		
B00096201	Drill Core	0.05	0.23	0.05	0.15	0.02	0.14	0.02	<0.02	<0.02	0.09	0.51	>10000		
B00096202	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.44	9064		
B00096203	Drill Core	0.01	0.07	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.65	>10000		
B00096204	Drill Core	0.03	0.14	0.03	0.09	<0.01	0.09	0.01	<0.02	<0.02	0.07	0.45	9550		
B00096205	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.11	1739		
B00096206	Drill Core	0.43	2.54	0.50	1.60	0.23	1.61	0.23	<0.02	<0.02	0.04	0.10	1126		
B00096207	Drill Core	0.36	1.90	0.39	1.18	0.17	1.20	0.17	<0.02	<0.02	0.10	0.10	2010		
B00096208	Drill Core	0.51	2.82	0.53	1.77	0.23	1.71	0.28	<0.02	<0.02	0.02	0.09	614		
B00096209	Drill Core	0.45	2.43	0.50	1.71	0.23	1.66	0.27	<0.02	<0.02	0.04	0.10	1015		
B00096210	Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.09	<0.02	<0.01	1.10	452	2.08	0.56
B00096211	Drill Core	0.03	0.19	0.05	0.10	0.02	0.11	0.01	<0.02	<0.02	0.02	0.14	1839		
B00096212	Drill Core	0.33	2.00	0.35	0.95	0.15	0.97	0.14	<0.02	<0.02	0.11	0.29	6121		
B00096213	Drill Core	0.39	2.27	0.46	1.19	0.19	1.33	0.19	<0.02	<0.02	0.08	0.25	5510		
B00096214	Drill Core	0.04	0.19	0.03	0.13	0.01	0.13	0.02	<0.02	<0.02	0.05	0.55	988		
B00096215	Drill Core	0.20	1.03	0.20	0.52	0.09	0.60	0.08	<0.02	<0.02	0.05	0.42	3483		
B00096216	Pulp	0.17	0.88	0.17	0.66	0.07	0.49	0.07	<0.02	<0.02	<0.01	<0.01	60		
B00096217	Drill Core	0.42	2.48	0.42	1.38	0.21	1.35	0.20	<0.02	<0.02	0.07	0.13	1848		
B00096218	Drill Core	0.06	0.42	0.06	0.22	0.03	0.20	0.03	<0.02	<0.02	0.05	0.21	3520		
B00096219	Drill Core	0.28	1.55	0.32	0.95	0.13	1.03	0.14	<0.02	<0.02	0.11	0.33	6660		
B00096220	Drill Core	0.29	1.82	0.37	1.02	0.15	1.04	0.15	<0.02	<0.02	0.09	0.28	3396		
B00096221	Drill Core	0.19	1.18	0.25	0.62	0.10	0.70	0.10	<0.02	<0.02	0.06	0.13	2193		
B00096222	Drill Core	0.17	1.00	0.19	0.60	0.08	0.58	0.07	<0.02	<0.02	0.06	0.14	3202		

# CERTIFICATE OF ANALYSIS

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Method	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
B00096223	Drill Core	1.99	73.03	16.64	0.39	0.02	0.24	3.08	4.51	<0.01	0.17	0.14	<0.002	<20	<1	1.6	99.83	26	118	<0.2	547.5
B00096224	Drill Core	1.95	76.10	13.87	0.41	0.01	0.27	3.87	3.71	<0.01	0.29	0.11	<0.002	<20	<1	1.2	99.82	33	94	0.9	387.3
B00096225	Drill Core	2.74	74.82	14.51	0.59	0.01	0.40	3.96	3.70	<0.01	0.33	0.11	<0.002	<20	1	1.3	99.75	72	205	0.8	499.6
B00096226	Drill Core	3.13	78.32	12.69	0.53	0.01	0.34	3.03	3.28	<0.01	0.32	0.14	<0.002	<20	<1	1.1	99.79	41	321	0.3	365.5
B00096227	Drill Core	2.21	75.94	13.54	1.09	0.03	0.64	3.50	4.54	<0.01	0.02	0.07	<0.002	<20	3	0.5	99.87	172	10	0.5	276.0
B00096228	Pulp	0.01	79.09	11.12	0.64	0.02	1.34	2.26	2.28	<0.01	1.16	0.30	<0.002	<20	<1	1.4	99.63	18	500	0.8	723.0
B00096229	Drill Core	2.91	75.74	14.01	1.01	0.03	0.67	3.74	4.45	<0.01	0.07	0.10	<0.002	<20	3	0.1	99.92	168	44	0.3	258.7
B00096230	Drill Core	2.09	70.15	16.53	0.17	0.01	0.21	2.38	8.95	<0.01	0.50	0.08	<0.002	<20	<1	0.9	99.85	68	57	0.3	939.5
B00096231	Drill Core	2.79	70.62	16.44	0.21	0.01	0.15	1.49	9.63	<0.01	0.35	0.08	<0.002	<20	<1	0.8	99.82	121	5	0.3	1095.7
B00096232	Drill Core	2.64	66.79	18.13	0.12	<0.01	0.09	1.62	12.02	<0.01	0.38	0.03	<0.002	<20	<1	0.6	99.81	118	26	0.3	959.7
B00096233	Drill Core	2.20	66.40	18.28	0.10	<0.01	0.20	2.18	11.50	<0.01	0.44	0.06	<0.002	<20	<1	0.7	99.86	115	7	0.2	893.3
B00096234	Pulp	0.09	98.61	0.70	0.09	0.04	0.03	0.03	0.16	0.04	<0.01	<0.01	<0.002	<20	<1	0.3	100.00	15	<1	0.9	1.3
B00096235	Drill Core	2.43	71.29	15.99	0.13	0.01	0.29	2.08	9.25	<0.01	0.39	0.06	<0.002	<20	<1	0.4	99.89	84	7	<0.2	888.8
B00096236	Drill Core	2.55	79.25	11.23	0.42	0.02	0.45	0.69	5.27	<0.01	0.45	0.21	<0.002	<20	<1	1.7	99.73	68	264	<0.2	1293.6
B00096237	Drill Core	2.53	66.94	17.81	0.23	0.02	0.48	1.73	10.82	<0.01	0.68	0.15	<0.002	<20	<1	1.0	99.81	102	90	<0.2	1204.2
B00096238	Drill Core	0.67	74.70	17.34	0.30	0.02	0.19	2.03	3.77	<0.01	0.52	0.33	<0.002	<20	<1	0.6	99.82	16	280	<0.2	481.2
B00096239	Drill Core	1.52	75.12	16.22	0.24	0.02	0.17	1.35	5.73	<0.01	0.20	0.06	<0.002	<20	<1	0.7	99.85	39	132	<0.2	745.2
B00096240	Drill Core	0.86	75.59	17.15	0.26	0.02	0.14	2.03	3.75	<0.01	0.31	0.18	<0.002	<20	<1	0.4	99.85	19	229	<0.2	493.6
B00096241	Drill Core	2.61	73.26	17.96	0.13	0.02	0.08	1.01	5.75	<0.01	0.32	0.08	<0.002	<20	<1	1.3	99.89	43	8	<0.2	910.8
B00096242	Drill Core	2.54	75.66	16.62	0.25	0.02	0.24	5.00	0.84	<0.01	0.33	0.17	<0.002	<20	<1	0.7	99.86	2	123	0.3	301.6
B00096243	Drill Core	2.64	74.90	17.21	0.42	0.02	0.17	4.61	1.53	<0.01	0.29	0.11	<0.002	<20	<1	0.6	99.86	10	192	<0.2	273.7
B00096244	Drill Core	2.47	74.48	15.10	0.66	0.02	0.40	4.95	2.74	<0.01	0.32	0.12	<0.002	<20	1	1.0	99.85	97	100	0.2	666.0
B00096245	Drill Core	2.44	74.75	17.86	0.08	0.01	0.05	2.02	4.55	<0.01	0.17	0.05	<0.002	<20	<1	0.3	99.86	16	221	<0.2	495.7
B00096246	Pulp	0.01	68.31	21.20	0.23	0.04	0.16	1.81	2.86	<0.01	0.24	0.03	0.017	<20	1	1.1	96.02	10	20	0.4	>10000
B00096247	Drill Core	1.25	77.50	15.26	0.29	0.02	0.19	3.40	2.17	<0.01	0.24	0.14	<0.002	<20	<1	0.7	99.87	10	170	0.2	377.0
B00096248	Drill Core	1.07	72.79	16.67	0.34	0.02	0.23	4.43	4.45	<0.01	0.24	0.12	<0.002	<20	<1	0.6	99.84	22	244	0.6	286.3

# CERTIFICATE OF ANALYSIS

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Method	Analyte	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL
B00096223	Drill Core	56.7	1.9	67.6	4554.6	305	11.4	117.2	3.6	4.8	<8	4.3	10.2	2.1	2.9	5.8	0.60	2.2	0.49	0.10	0.47	
B00096224	Drill Core	37.1	1.9	57.5	3887.3	94	11.8	107.4	5.6	5.0	<8	3.3	15.1	3.2	2.5	5.0	0.53	2.1	0.44	0.06	0.50	
B00096225	Drill Core	31.1	1.8	53.6	4083.1	142	19.3	99.2	7.6	4.5	<8	5.3	26.1	6.6	6.4	12.9	1.42	5.1	1.11	0.11	1.14	
B00096226	Drill Core	38.8	0.9	92.9	3559.5	127	14.0	123.5	4.8	3.2	<8	3.4	8.5	2.8	2.1	3.8	0.44	1.8	0.39	0.05	0.37	
B00096227	Drill Core	14.5	2.3	10.4	824.8	14	43.6	2.7	14.7	6.5	<8	2.6	46.3	15.9	14.1	29.3	3.32	11.8	2.67	0.26	2.76	
B00096228	Pulp	38.0	2.3	87.0	3587.6	99	12.3	160.1	8.2	4.2	<8	4.9	17.2	16.7	9.2	21.1	2.64	10.3	2.46	0.39	2.39	
B00096229	Drill Core	16.9	1.9	24.2	867.1	17	43.7	20.2	13.8	6.3	<8	1.9	38.8	16.7	12.7	25.3	2.88	10.9	2.55	0.25	2.46	
B00096230	Drill Core	32.9	0.9	28.3	8628.7	48	16.5	65.4	4.0	2.6	<8	2.4	8.5	1.3	1.7	3.4	0.35	1.6	0.35	<0.02	0.26	
B00096231	Drill Core	33.1	0.5	28.4	9437.6	49	17.9	55.6	0.3	0.6	<8	2.6	2.4	0.6	0.6	1.0	0.07	<0.3	0.11	<0.02	0.08	
B00096232	Drill Core	29.4	<0.1	9.2	>10000	18	14.7	25.4	<0.2	0.2	<8	0.8	0.5	0.2	0.4	0.4	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096233	Drill Core	29.0	0.3	4.3	>10000	22	18.0	18.5	0.7	0.3	<8	0.6	3.1	1.2	1.0	1.9	0.21	0.8	0.16	0.04	0.19	
B00096234	Pulp	<0.5	1.4	0.5	6.7	<1	3.5	0.3	1.8	0.3	<8	<0.5	49.8	2.9	10.8	20.5	2.61	9.2	1.68	0.24	1.10	
B00096235	Drill Core	26.3	0.4	14.2	8378.8	29	13.3	37.5	1.9	1.0	<8	1.5	3.8	2.7	2.0	4.1	0.47	1.9	0.34	0.07	0.38	
B00096236	Drill Core	34.3	0.6	39.3	6412.0	69	10.4	70.2	2.4	1.3	<8	4.8	5.9	4.8	3.3	7.5	0.93	3.6	0.73	0.12	0.79	
B00096237	Drill Core	29.4	1.2	11.2	9812.9	38	17.1	37.4	6.7	2.3	<8	1.4	12.9	3.9	2.7	5.9	0.72	2.9	0.55	0.09	0.60	
B00096238	Drill Core	26.9	0.8	35.9	3155.4	69	8.6	43.2	3.6	4.0	<8	1.5	4.4	0.7	0.4	0.6	0.06	0.3	<0.05	0.03	0.09	
B00096239	Drill Core	30.7	0.5	46.5	5240.0	50	9.4	106.8	1.1	2.2	<8	1.9	2.5	1.1	1.6	3.2	0.34	1.0	0.24	0.05	0.28	
B00096240	Drill Core	28.4	0.6	45.4	3350.5	72	7.1	74.1	2.5	2.6	<8	1.8	3.7	0.6	0.4	0.5	0.06	<0.3	<0.05	<0.02	0.08	
B00096241	Drill Core	30.0	0.1	26.6	5674.8	41	7.8	68.3	<0.2	1.2	<8	2.4	0.6	0.3	0.2	0.4	0.03	<0.3	<0.05	<0.02	<0.05	
B00096242	Drill Core	39.0	2.1	65.8	1092.4	229	7.5	214.5	2.8	4.2	<8	1.8	8.6	0.3	0.4	0.5	0.04	<0.3	<0.05	<0.02	<0.05	
B00096243	Drill Core	35.6	1.1	57.4	1477.5	42	8.0	114.9	2.2	4.9	<8	1.1	5.0	0.4	0.3	0.5	0.04	<0.3	<0.05	<0.02	<0.05	
B00096244	Drill Core	26.8	2.1	39.9	2964.4	62	24.5	65.0	12.8	6.9	<8	4.3	33.0	9.2	7.9	16.3	1.99	6.9	1.62	0.14	1.61	
B00096245	Drill Core	24.3	0.5	31.9	3679.6	26	5.7	103.4	0.6	1.3	<8	<0.5	2.4	<0.1	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096246	Pulp	50.6	1.0	17.8	3882.0	65	21.3	66.3	1.2	2.5	<8	0.9	6.0	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096247	Drill Core	28.8	0.7	87.8	1982.2	45	5.7	102.3	7.3	4.3	<8	2.3	5.6	1.6	1.0	1.9	0.18	0.8	0.16	0.03	0.17	
B00096248	Drill Core	29.8	1.0	62.8	2537.1	59	10.3	76.4	4.6	3.7	<8	1.6	7.6	1.1	1.8	3.2	0.29	1.1	0.30	0.05	0.25	



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Method Analyte Unit MDL	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01
B00096223	Drill Core	0.07	0.38	0.06	0.15	0.02	0.12	0.01	0.03	<0.02	0.04	0.51	6434	
B00096224	Drill Core	0.08	0.57	0.11	0.32	0.05	0.35	0.05	<0.02	<0.02	0.06	0.25	4790	
B00096225	Drill Core	0.19	1.09	0.22	0.65	0.09	0.62	0.09	<0.02	<0.02	0.09	0.28	5442	
B00096226	Drill Core	0.06	0.36	0.09	0.26	0.04	0.24	0.04	<0.02	<0.02	0.12	0.20	3265	
B00096227	Drill Core	0.46	2.71	0.51	1.50	0.26	1.57	0.23	<0.02	<0.02	0.05	0.11	1426	
B00096228	Pulp	0.38	2.48	0.54	1.63	0.24	1.65	0.23	0.02	<0.02	0.07	0.48	9960	
B00096229	Drill Core	0.41	2.47	0.53	1.58	0.24	1.51	0.25	<0.02	<0.02	0.04	0.11	1270	
B00096230	Drill Core	0.04	0.24	0.05	0.13	0.02	0.14	0.02	<0.02	<0.02	0.03	0.22	2925	
B00096231	Drill Core	0.01	0.12	0.02	0.07	<0.01	0.06	<0.01	<0.02	<0.02	0.03	0.27	4475	
B00096232	Drill Core	<0.01	0.06	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.14	1558	0.10 1.08
B00096233	Drill Core	0.03	0.21	0.04	0.12	0.02	0.12	0.01	<0.02	<0.02	0.01	0.08	868	0.08 1.00
B00096234	Pulp	0.13	0.67	0.15	0.37	0.06	0.35	0.05	<0.02	<0.02	<0.01	<0.01	83	
B00096235	Drill Core	0.07	0.46	0.10	0.26	0.04	0.28	0.04	<0.02	<0.02	0.03	0.14	2167	
B00096236	Drill Core	0.12	0.85	0.18	0.49	0.08	0.50	0.08	<0.02	<0.02	0.04	0.46	7522	
B00096237	Drill Core	0.09	0.61	0.13	0.36	0.06	0.36	0.05	<0.02	<0.02	0.04	0.25	2121	
B00096238	Drill Core	0.02	0.12	<0.02	0.07	0.02	0.06	<0.01	<0.02	<0.02	0.03	1.14	1109	
B00096239	Drill Core	0.04	0.20	0.03	0.11	<0.01	0.08	0.01	<0.02	<0.02	0.03	0.78	1851	
B00096240	Drill Core	0.01	0.07	0.02	0.07	<0.01	<0.05	0.01	<0.02	<0.02	0.02	1.04	955	
B00096241	Drill Core	<0.01	<0.05	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.17	2794	
B00096242	Drill Core	<0.01	<0.05	<0.02	0.05	<0.01	<0.05	<0.01	<0.02	<0.02	0.07	0.78	1642	
B00096243	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	0.07	<0.01	<0.02	<0.02	0.13	0.81	964	
B00096244	Drill Core	0.26	1.58	0.32	0.85	0.13	0.83	0.13	<0.02	<0.02	0.06	0.27	3079	
B00096245	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.12	270	
B00096246	Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	1.58	586	3.96 0.45
B00096247	Drill Core	0.03	0.21	0.04	0.11	0.02	0.15	0.02	<0.02	<0.02	0.02	0.82	1849	
B00096248	Drill Core	0.04	0.16	0.07	0.14	0.02	0.17	0.03	<0.02	<0.02	0.02	0.37	792	

# QUALITY CONTROL REPORT

YVO14000006.1

Method	Analyte	Unit	MDL	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
				Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs
				kg	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	
				0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1
B00096145	Drill Core			2.30	70.68	17.09	0.45	0.08	0.64	6.63	1.91	<0.01	0.42	0.18	<0.002	<20	<1	1.6	99.68	8	163	0.3	773.5
B00096216	Pulp			0.09	98.40	0.69	0.13	0.04	0.03	0.02	0.16	0.05	<0.01	<0.01	<0.002	<20	<1	0.5	100.01	11	<1	0.5	0.7
Pulp Duplicates																							
B00096134	Drill Core			0.46	73.27	15.43	1.30	1.22	2.33	0.25	3.72	0.15	0.20	0.06	0.006	<20	4	1.9	99.86	276	28	6.9	189.5
REP B00096134	QC																						
B00096140	Drill Core			0.50	73.70	15.72	0.81	0.02	0.26	5.36	2.81	<0.01	0.12	0.08	<0.002	<20	<1	1.0	99.93	8	6	<0.2	288.5
REP B00096140	QC																						
REP B00096143	QC																						
B00096148	Drill Core			2.18	72.80	16.23	0.44	0.02	0.53	6.72	1.57	<0.01	0.43	0.15	<0.002	<20	<1	0.9	99.81	5	180	<0.2	469.7
REP B00096148	QC				72.58	16.42	0.48	0.03	0.54	6.66	1.59	<0.01	0.44	0.15	<0.002	<20	<1	0.9	99.81	6	181	0.3	479.5
B00096156	Pulp			0.01	67.82	21.17	0.33	0.05	0.16	1.83	2.82	<0.01	0.24	0.03	0.017	<20	<1	1.6	96.05	11	17	0.2	>10000
REP B00096156	QC																						
B00096162	Pulp			0.09	98.61	0.66	0.07	0.03	0.03	0.01	0.15	0.04	0.02	<0.01	<0.002	<20	<1	0.4	100.01	16	<1	0.6	0.8
REP B00096162	QC				98.60	0.67	0.08	0.03	0.03	0.02	0.14	0.05	<0.01	<0.01	<0.002	<20	<1	0.4	100.01	15	<1	1.1	0.4
B00096164	Drill Core			1.04	72.82	15.74	0.48	0.12	0.34	5.62	3.12	<0.01	0.54	0.05	<0.002	<20	1	0.9	99.77	86	73	<0.2	686.0
REP B00096164	QC																						
B00096169	Drill Core			2.08	76.78	13.12	0.83	0.04	0.68	3.41	4.24	<0.01	0.19	0.06	<0.002	<20	2	0.5	99.86	177	154	<0.2	291.9
REP B00096169	QC																						
B00096175	Drill Core			2.43	70.15	18.23	0.41	0.02	0.15	5.58	2.81	<0.01	0.42	0.16	<0.002	<20	<1	1.8	99.73	26	143	0.2	905.6
REP B00096175	QC																						
B00096176	Drill Core			2.51	74.03	15.45	0.89	0.06	0.34	3.28	3.94	<0.01	0.18	0.13	<0.002	<20	2	1.5	99.77	111	229	0.3	899.0
REP B00096176	QC																						
B00096183	Drill Core			2.92	72.60	16.11	0.18	0.01	0.06	1.63	6.33	<0.01	0.38	0.17	<0.002	<20	<1	2.3	99.80	46	71	0.7	1147.9
REP B00096183	QC				72.78	15.93	0.13	0.01	0.06	1.60	6.40	<0.01	0.38	0.17	<0.002	<20	<1	2.3	99.80	46	69	<0.2	1285.2
B00096199	Drill Core			2.62	72.59	15.58	0.29	<0.01	0.18	2.21	6.98	<0.01	0.46	0.09	<0.002	<20	<1	1.5	99.84	50	109	<0.2	830.0
REP B00096199	QC																						
B00096204	Drill Core			0.87	81.53	10.97	0.28	<0.01	0.14	1.17	3.79	<0.01	0.38	0.16	<0.002	<20	<1	1.4	99.84	19	103	0.3	894.1
REP B00096204	QC																						
B00096210	Pulp			0.01	70.73	18.89	0.40	0.05	0.19	2.25	4.13	<0.01	0.28	0.03	0.031	37	1	0.9	97.84	11	21	1.4	>10000

## QUALITY CONTROL REPORT

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Method	Unit	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Analyte	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
B00096145	Drill Core	46.4	5.0	97.8	1994.7	199	14.7	655.8	5.0	11.0	<8	1.9	26.3	4.6	10.8	19.0	1.86	6.4	1.16	0.32	1.26
B00096216	Pulp	<0.5	1.2	1.0	4.5	<1	3.0	0.2	1.7	0.2	<8	<0.5	46.9	4.8	11.9	23.5	2.67	11.0	1.62	0.25	1.29
Pulp Duplicates																					
B00096134	Drill Core	41.2	2.6	22.9	1285.6	66	157.1	99.5	2.3	2.5	32	2.2	49.8	2.5	3.2	6.9	0.75	2.8	0.56	0.24	0.58
REP B00096134	QC																				
B00096140	Drill Core	29.0	4.0	33.2	1691.6	59	7.1	33.2	10.6	9.5	<8	2.6	40.2	7.7	4.5	9.7	1.24	4.7	1.35	0.04	1.49
REP B00096140	QC																				
REP B00096143	QC																				
B00096148	Drill Core	46.0	2.8	92.1	1788.9	120	14.1	141.7	4.6	7.1	<8	2.3	16.9	1.7	1.2	2.3	0.24	0.8	0.20	0.07	0.32
REP B00096148	QC	45.9	2.7	92.1	1817.7	107	15.2	135.9	4.1	7.5	9	1.9	16.8	1.9	1.5	2.5	0.25	1.0	0.21	0.06	0.32
B00096156	Pulp	56.5	0.9	20.4	4219.1	65	22.0	70.8	1.7	2.9	<8	0.7	6.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
REP B00096156	QC																				
B00096162	Pulp	4.5	1.4	1.8	4.6	2	4.0	2.1	2.3	0.4	<8	<0.5	49.2	3.4	13.7	25.9	3.07	11.8	1.94	0.32	1.24
REP B00096162	QC	3.7	1.6	2.1	4.7	2	3.7	2.2	2.3	0.4	<8	<0.5	60.1	3.1	11.2	22.7	2.69	9.7	1.82	0.32	1.21
B00096164	Drill Core	39.9	3.0	54.0	1633.3	83	31.5	562.5	4.7	8.9	<8	1.8	20.5	17.6	37.0	64.7	6.33	21.5	4.38	0.66	4.15
REP B00096164	QC																				
B00096169	Drill Core	20.3	2.3	36.4	1764.3	34	44.7	64.2	13.0	6.7	<8	2.5	43.3	13.4	13.3	25.8	3.13	11.0	2.65	0.27	2.54
REP B00096169	QC																				
B00096175	Drill Core	61.2	3.7	103.8	4168.0	531	12.0	338.5	4.5	8.9	<8	4.3	23.4	3.0	3.7	7.3	0.82	2.7	0.66	0.09	0.71
REP B00096175	QC																				
B00096176	Drill Core	36.2	3.0	21.6	3614.4	112	29.1	49.5	12.8	5.7	<8	5.9	38.6	9.5	8.8	18.5	2.11	7.0	1.86	0.18	1.86
REP B00096176	QC																				
B00096183	Drill Core	60.4	0.6	31.5	7564.4	265	6.9	99.8	0.3	2.8	<8	5.1	2.9	0.8	0.7	0.8	0.08	0.3	0.11	0.03	0.09
REP B00096183	QC	59.9	0.9	32.7	8370.9	277	7.9	101.7	<0.2	3.1	<8	4.5	3.2	0.7	0.3	0.9	0.10	<0.3	0.10	0.03	0.12
B00096199	Drill Core	36.7	1.0	27.6	6931.0	69	21.6	100.0	2.0	2.7	<8	3.0	7.0	1.8	2.0	3.0	0.39	1.2	0.34	0.04	0.31
REP B00096199	QC																				
B00096204	Drill Core	39.0	1.1	34.4	5375.8	89	11.2	110.0	2.9	2.8	<8	5.3	7.9	1.0	1.4	2.5	0.25	1.2	0.20	0.02	0.21
REP B00096204	QC																				
B00096210	Pulp	57.0	1.0	21.5	5335.7	63	20.7	71.1	1.1	2.9	<8	0.6	6.7	<0.1	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05

# QUALITY CONTROL REPORT

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Method Analyte Unit MDL		LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01
B00096145	Drill Core	0.17	0.84	0.11	0.24	0.03	0.19	0.02	0.09	<0.02	0.11	0.29	4244		
B00096216	Pulp	0.17	0.88	0.17	0.66	0.07	0.49	0.07	<0.02	<0.02	<0.01	<0.01	60		
Pulp Duplicates															
B00096134	Drill Core	0.08	0.44	0.09	0.28	0.03	0.29	0.04	0.03	0.03	0.04	<0.01	965		
REP B00096134	QC								0.03	0.03					
B00096140	Drill Core	0.26	1.41	0.25	0.62	0.11	0.62	0.09	<0.02	<0.02	0.06	0.09	1578		
REP B00096140	QC										0.05				
REP B00096143	QC												5833		
B00096148	Drill Core	0.05	0.23	0.04	0.13	0.02	0.12	0.02	0.02	<0.02	0.10	0.15	2816		
REP B00096148	QC	0.05	0.27	0.04	0.12	0.02	0.12	0.02							
B00096156	Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	1.78	755	4.07	0.47
REP B00096156	QC													4.04	0.46
B00096162	Pulp	0.15	0.84	0.12	0.29	0.05	0.38	0.05	<0.02	<0.02	<0.01	<0.01	498		
REP B00096162	QC	0.15	0.83	0.12	0.37	0.06	0.37	0.06							
B00096164	Drill Core	0.57	2.88	0.45	1.15	0.15	0.82	0.11	<0.02	0.03	0.05	0.12	1818		
REP B00096164	QC											0.12			
B00096169	Drill Core	0.40	2.08	0.42	1.16	0.18	1.25	0.20	<0.02	<0.02	0.05	0.13	2770		
REP B00096169	QC								<0.02	<0.02					
B00096175	Drill Core	0.10	0.46	0.07	0.25	0.03	0.18	0.03	<0.02	<0.02	0.09	0.52	>10000		
REP B00096175	QC										0.09				
B00096176	Drill Core	0.32	1.62	0.30	0.85	0.13	0.86	0.14	<0.02	<0.02	0.10	0.38	8860		
REP B00096176	QC											0.41			
B00096183	Drill Core	0.02	0.10	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	0.71	>10000		
REP B00096183	QC	0.01	0.09	<0.02	<0.03	<0.01	<0.05	<0.01					>10000		
B00096199	Drill Core	0.05	0.33	0.06	0.16	0.02	0.17	0.03	<0.02	<0.02	0.07	0.30	6490		
REP B00096199	QC											0.33			
B00096204	Drill Core	0.03	0.14	0.03	0.09	<0.01	0.09	0.01	<0.02	<0.02	0.07	0.45	9550		
REP B00096204	QC								<0.02	<0.02					
B00096210	Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.09	<0.02	<0.01	1.10	452	2.08	0.56



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Project: None Given  
 Report Date: July 02, 2014

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# QUALITY CONTROL REPORT

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WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs			
kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm			
0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1			
REP B00096210	QC																					
REP B00096219	QC																					
B00096234	Pulp	0.09	98.61	0.70	0.09	0.04	0.03	0.03	0.16	0.04	<0.01	<0.01	<0.002	<20	<1	0.3	100.00	15	<1	0.9	1.3	
REP B00096234	QC																					
B00096238	Drill Core	0.67	74.70	17.34	0.30	0.02	0.19	2.03	3.77	<0.01	0.52	0.33	<0.002	<20	<1	0.6	99.82	16	280	<0.2	481.2	
REP B00096238	QC																					
B00096239	Drill Core	1.52	75.12	16.22	0.24	0.02	0.17	1.35	5.73	<0.01	0.20	0.06	<0.002	<20	<1	0.7	99.85	39	132	<0.2	745.2	
REP B00096239	QC																					
B00096243	Drill Core	2.64	74.90	17.21	0.42	0.02	0.17	4.61	1.53	<0.01	0.29	0.11	<0.002	<20	<1	0.6	99.86	10	192	<0.2	273.7	
REP B00096243	QC																					
B00096245	Drill Core	2.44	74.75	17.86	0.08	0.01	0.05	2.02	4.55	<0.01	0.17	0.05	<0.002	<20	<1	0.3	99.86	16	221	<0.2	495.7	
REP B00096245	QC																					
B00096246	Pulp	0.01	68.31	21.20	0.23	0.04	0.16	1.81	2.86	<0.01	0.24	0.03	0.017	<20	1	1.1	96.02	10	20	0.4	>10000	
REP B00096246	QC																					
B00096248	Drill Core	1.07	72.79	16.67	0.34	0.02	0.23	4.43	4.45	<0.01	0.24	0.12	<0.002	<20	<1	0.6	99.84	22	244	0.6	286.3	
REP B00096248	QC		72.80	16.67	0.33	<0.01	0.23	4.42	4.45	<0.01	0.24	0.12	<0.002	<20	<1	0.6	99.84	23	254	0.6	281.6	
Core Reject Duplicates																						
B00096143	Drill Core	2.70	73.98	17.26	0.32	0.24	0.17	2.19	1.89	0.01	0.66	0.11	<0.002	<20	<1	1.8	98.60	20	79	0.3	>10000	
DUP B00096143	QC		74.32	16.97	0.31	0.24	0.19	2.17	1.92	0.01	0.59	0.11	<0.002	<20	<1	1.8	98.59	22	82	0.3	>10000	
B00096181	Drill Core	2.58	68.93	17.06	0.07	<0.01	0.08	1.50	10.94	<0.01	0.31	0.03	<0.002	<20	<1	1.0	99.88	226	26	0.3	709.9	
DUP B00096181	QC		69.05	17.00	0.09	<0.01	0.07	1.48	10.89	<0.01	0.31	0.03	<0.002	<20	<1	1.0	99.88	243	24	0.3	698.9	
B00096219	Drill Core	2.22	74.27	15.06	0.85	0.03	0.51	4.04	3.55	<0.01	0.20	0.08	0.002	<20	2	1.3	99.89	147	65	0.4	481.2	
DUP B00096219	QC		74.56	14.74	0.86	0.03	0.51	4.06	3.52	<0.01	0.20	0.08	<0.002	<20	2	1.3	99.86	152	73	0.5	583.5	
Reference Materials																						
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD GS311-1	Standard																					

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

# QUALITY CONTROL REPORT

YVO14000006.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
REP B00096210	QC																					
REP B00096219	QC																					
B00096234	Pulp	<0.5	1.4	0.5	6.7	<1	3.5	0.3	1.8	0.3	<8	<0.5	49.8	2.9	10.8	20.5	2.61	9.2	1.68	0.24	1.10	
REP B00096234	QC																					
B00096238	Drill Core	26.9	0.8	35.9	3155.4	69	8.6	43.2	3.6	4.0	<8	1.5	4.4	0.7	0.4	0.6	0.06	0.3	<0.05	0.03	0.09	
REP B00096238	QC																					
B00096239	Drill Core	30.7	0.5	46.5	5240.0	50	9.4	106.8	1.1	2.2	<8	1.9	2.5	1.1	1.6	3.2	0.34	1.0	0.24	0.05	0.28	
REP B00096239	QC																					
B00096243	Drill Core	35.6	1.1	57.4	1477.5	42	8.0	114.9	2.2	4.9	<8	1.1	5.0	0.4	0.3	0.5	0.04	<0.3	<0.05	<0.02	<0.05	
REP B00096243	QC																					
B00096245	Drill Core	24.3	0.5	31.9	3679.6	26	5.7	103.4	0.6	1.3	<8	<0.5	2.4	<0.1	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
REP B00096245	QC																					
B00096246	Pulp	50.6	1.0	17.8	3882.0	65	21.3	66.3	1.2	2.5	<8	0.9	6.0	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
REP B00096246	QC																					
B00096248	Drill Core	29.8	1.0	62.8	2537.1	59	10.3	76.4	4.6	3.7	<8	1.6	7.6	1.1	1.8	3.2	0.29	1.1	0.30	0.05	0.25	
REP B00096248	QC	29.0	0.8	55.6	2517.8	50	11.6	68.8	5.4	3.4	<8	1.8	6.7	1.5	1.6	2.6	0.21	1.1	0.15	0.02	0.21	
Core Reject Duplicates																						
B00096143	Drill Core	39.4	3.8	30.9	2226.5	77	16.9	669.8	1.7	1.8	<8	1.3	16.5	0.3	1.0	1.1	0.07	0.3	<0.05	<0.02	0.08	
DUP B00096143	QC	38.5	4.3	32.8	2293.6	108	16.6	666.8	1.7	1.8	<8	1.2	17.2	0.3	0.6	1.1	0.08	0.4	<0.05	<0.02	0.09	
B00096181	Drill Core	28.6	0.1	5.9	8682.8	43	18.9	32.2	<0.2	1.0	<8	1.2	1.0	0.3	0.8	0.9	0.06	<0.3	<0.05	<0.02	0.08	
DUP B00096181	QC	30.6	0.2	5.0	8704.9	46	18.2	29.5	0.2	1.1	<8	1.2	1.0	0.3	0.7	0.9	0.09	<0.3	<0.05	0.04	<0.05	
B00096219	Drill Core	22.4	2.0	28.7	2932.8	57	31.8	52.4	9.6	6.3	<8	5.0	32.4	8.3	9.4	19.1	2.19	7.5	1.75	0.21	1.59	
DUP B00096219	QC	25.1	1.9	35.8	3316.7	74	33.4	62.9	11.9	6.3	<8	5.7	35.8	10.9	10.6	20.7	2.46	9.2	2.03	0.18	1.97	
Reference Materials																						
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD GS311-1	Standard																					

# QUALITY CONTROL REPORT

YVO14000006.1

		LF200 Tb ppm 0.01	LF200 Dy ppm 0.05	LF200 Ho ppm 0.02	LF200 Er ppm 0.03	LF200 Tm ppm 0.01	LF200 Yb ppm 0.05	LF200 Lu ppm 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02	PF370 B % 0.01	PF370 Li % 0.01	GC840 F ppm 10	LF700 Cs % 0.01	LF700 Rb % 0.01
REP B00096210	QC										<0.01				
REP B00096219	QC												6851		
B00096234	Pulp	0.13	0.67	0.15	0.37	0.06	0.35	0.05	<0.02	<0.02	<0.01	<0.01	83		
REP B00096234	QC											<0.01			
B00096238	Drill Core	0.02	0.12	<0.02	0.07	0.02	0.06	<0.01	<0.02	<0.02	0.03	1.14	1109		
REP B00096238	QC												1178		
B00096239	Drill Core	0.04	0.20	0.03	0.11	<0.01	0.08	0.01	<0.02	<0.02	0.03	0.78	1851		
REP B00096239	QC								<0.02	<0.02					
B00096243	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	0.07	<0.01	<0.02	<0.02	0.13	0.81	964		
REP B00096243	QC										0.12				
B00096245	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.12	270		
REP B00096245	QC										<0.01				
B00096246	Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	1.58	586	3.96	0.45
REP B00096246	QC													4.11	0.47
B00096248	Drill Core	0.04	0.16	0.07	0.14	0.02	0.17	0.03	<0.02	<0.02	0.02	0.37	792		
REP B00096248	QC	0.03	0.27	0.06	0.16	0.02	0.19	0.02				0.35			
Core Reject Duplicates															
B00096143	Drill Core	0.01	<0.05	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.07	1.37	5958	1.23	0.26
DUP B00096143	QC	<0.01	0.07	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.07	1.44	5990	1.25	0.26
B00096181	Drill Core	0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.15	2629		
DUP B00096181	QC	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.16	2351		
B00096219	Drill Core	0.28	1.55	0.32	0.95	0.13	1.03	0.14	<0.02	<0.02	0.11	0.33	6660		
DUP B00096219	QC	0.28	1.80	0.30	0.88	0.13	0.92	0.14	<0.02	<0.02	0.12	0.32	6765		
Reference Materials															
STD 183	Standard												1.91		
STD 183	Standard												2.10		
STD 183	Standard												1.83		
STD 183	Standard												1.84		
STD GS311-1	Standard								1.02	2.29					



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Bureau Veritas Commodities Canada Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: July 02, 2014

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Part: 1 of 3

# QUALITY CONTROL REPORT

YVO14000006.1

		WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LIBF	Standard																					
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STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD MICA-FE(D)	Standard																					
STD MICA-MG(D)	Standard																					
STD OREAS72B	Standard																					
STD SO-18	Standard		58.37	14.07	7.55	3.39	6.28	3.64	2.14	0.69	0.78	0.39	0.533	45	24	1.9	99.75	493	<1	24.1	6.7	
STD SO-18	Standard		58.08	14.18	7.61	3.41	6.34	3.65	2.15	0.68	0.79	0.40	0.540	43	24	1.9	99.75	465	1	24.9	8.1	
STD SO-18	Standard		58.20	14.14	7.62	3.41	6.34	3.60	2.13	0.67	0.79	0.40	0.541	47	24	1.9	99.74	509	<1	25.0	7.7	
STD SO-18	Standard		58.64	14.02	7.43	3.37	6.26	3.62	2.13	0.68	0.76	0.39	0.540	40	24	1.9	99.75	493	<1	24.6	7.8	
STD SO-18	Standard		58.42	14.05	7.55	3.36	6.29	3.63	2.11	0.68	0.78	0.40	0.545	40	23	1.9	99.72	507	<1	25.9	7.4	

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# QUALITY CONTROL REPORT

YVO14000006.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200		
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD MICA-FE(D)	Standard																					
STD MICA-MG(D)	Standard																					
STD OREAS72B	Standard																					
STD SO-18	Standard	15.7	8.9	17.6	27.3	14	380.3	7.2	9.2	15.0	195	13.5	276.7	28.9	12.2	24.9	3.18	12.7	2.73	0.82	2.77	
STD SO-18	Standard	15.8	9.1	18.5	27.5	14	378.7	6.7	9.5	15.0	196	14.5	280.5	29.1	12.2	25.9	3.18	13.2	2.67	0.86	2.91	
STD SO-18	Standard	16.3	9.4	18.5	31.3	15	391.9	7.6	10.0	15.5	192	15.9	288.7	31.1	12.7	26.6	3.24	12.6	2.78	0.86	2.95	
STD SO-18	Standard	17.8	9.3	19.1	30.0	15	382.5	6.4	9.7	15.3	187	14.2	287.2	27.7	12.4	26.5	3.26	13.3	2.80	0.87	3.07	
STD SO-18	Standard	18.7	9.4	18.1	30.0	18	418.7	7.9	9.6	16.7	196	14.4	276.6	27.7	12.1	28.3	3.20	13.2	2.60	0.86	2.82	

## QUALITY CONTROL REPORT

YVO14000006.1

		LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700	
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01
STD GS311-1	Standard							1.02	2.24						
STD GS311-1	Standard							1.08	2.22						
STD GS311-1	Standard							1.03	2.33						
STD GS910-4	Standard							2.65	8.31						
STD GS910-4	Standard							2.72	8.11						
STD GS910-4	Standard							2.81	8.16						
STD GS910-4	Standard							2.76	7.92						
STD LI-1	Standard											1.56			
STD LI-1	Standard											1.80			
STD LI-1	Standard											1.59			
STD LI-1	Standard											1.82			
STD LI-1	Standard											1.68			
STD LIBF	Standard										4.38				
STD LIBF	Standard										4.46				
STD LIBF	Standard										4.47				
STD LIBF	Standard										4.39				
STD LIBF	Standard										4.98				
STD LIBF	Standard										4.95				
STD LIBF	Standard										4.16				
STD LIBF	Standard										4.37				
STD LIBF	Standard										4.65				
STD MICA-FE(D)	Standard												0.02	0.21	
STD MICA-MG(D)	Standard												<0.01	0.21	
STD OREAS72B	Standard												0.09	0.08	
STD SO-18	Standard	0.47	2.98	0.61	1.78	0.26	1.72	0.26							
STD SO-18	Standard	0.48	2.81	0.61	1.77	0.27	1.75	0.27							
STD SO-18	Standard	0.50	2.97	0.62	1.77	0.25	1.77	0.28							
STD SO-18	Standard	0.46	2.68	0.60	1.81	0.28	1.78	0.26							
STD SO-18	Standard	0.49	2.69	0.61	1.79	0.27	1.68	0.25							



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 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: July 02, 2014

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Part: 1 of 3

# QUALITY CONTROL REPORT

YVO14000006.1

	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
STD SO-18	Standard	58.19	14.11	7.67	3.35	6.32	3.67	2.10	0.69	0.78	0.40	0.553	40	24	1.9	99.73	485	<1	27.8	6.3	
STD SO-18	Standard	58.16	14.14	7.61	3.38	6.35	3.67	2.11	0.69	0.80	0.40	0.545	43	25	1.9	99.75	466	<1	24.6	6.6	
STD SO-18	Standard	58.30	14.14	7.56	3.35	6.33	3.66	2.10	0.69	0.77	0.39	0.542	55	24	1.9	99.75	466	<1	25.0	6.3	
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD VS-N(D)	Standard																				
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD SO-18 Expected		58.47	14.23	7.67	3.35	6.42	3.71	2.17	0.69	0.83	0.39	0.55	44	25			514		26.2	7.1	
STD VS-N(D) Expected																					
STD LI-1 Expected																					
STD 183 Expected																					
STD STSD-1 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	0.2	
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	0.2	
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				

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## QUALITY CONTROL REPORT

YVO14000006.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
STD SO-18	Standard	18.1	9.1	17.6	27.7	15	419.8	6.4	10.2	16.5	201	16.1	279.0	27.8	12.8	27.8	3.13	13.5	2.87	0.81	2.81
STD SO-18	Standard	16.8	9.1	17.0	29.1	13	383.2	6.4	9.0	14.9	193	12.8	260.6	27.7	11.6	24.9	3.12	12.4	2.62	0.82	2.87
STD SO-18	Standard	15.8	9.0	17.3	27.1	14	378.7	6.4	9.5	15.0	206	12.8	260.9	29.6	11.7	27.2	3.17	13.5	2.95	0.84	2.68
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD VS-N(D)	Standard																				
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD SO-18 Expected		17.6	9.8	19.3	28.7	15	407.4	7.4	9.9	16.4	200	14.8	290	29	12.3	27.1	3.45	14	3	0.89	2.93
STD VS-N(D) Expected																					
STD LI-1 Expected																					
STD 183 Expected																					
STD STSD-1 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.5	<0.1	<0.1	0.5	<1	<0.5	0.6	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.5	<0.1	<0.1	0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				



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Bureau Veritas Commodities Canada Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: July 02, 2014

Page: 4 of 5

Part: 3 of 3

# QUALITY CONTROL REPORT

YVO14000006.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01
STD SO-18	Standard	0.50	2.99	0.58	1.72	0.25	1.80	0.27							
STD SO-18	Standard	0.49	2.65	0.54	1.91	0.24	1.89	0.30							
STD SO-18	Standard	0.48	2.99	0.57	2.04	0.27	1.83	0.31							
STD STSD-1	Standard												970		
STD STSD-1	Standard												918		
STD STSD-1	Standard												990		
STD STSD-1	Standard												1020		
STD STSD-1	Standard												890		
STD STSD-1	Standard												946		
STD VS-N(D)	Standard													0.09	0.08
STD GS311-1 Expected									1.02	2.35					
STD GS910-4 Expected									2.65	8.27					
STD SO-18 Expected		0.53	3	0.62	1.84	0.27	1.79	0.27							
STD VS-N(D) Expected														0.0942	
STD LI-1 Expected													1.53		
STD 183 Expected													1.91402		
STD STSD-1 Expected													950		
BLK	Blank								<0.02	<0.02					
BLK	Blank								<0.02	<0.02					
BLK	Blank								<0.02	<0.02					
BLK	Blank								<0.02	<0.02					
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01							
BLK	Blank												<0.01		
BLK	Blank												<0.01		
BLK	Blank												<0.01		
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01							
BLK	Blank												<0.01		
BLK	Blank												<0.01		
BLK	Blank												<0.01		
BLK	Blank												<0.01		

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

## QUALITY CONTROL REPORT

YVO14000006.1

		WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs
		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm
		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank		0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	0.3	0.2	
BLK	Blank		0.03	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	0.03	<1	<1	<0.2	<0.1	
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1	Prep Blank		67.42	15.82	3.14	1.02	3.47	3.63	3.56	0.38	0.16	0.10	<0.002	<20	5	1.1	99.74	952	4	4.8	7.1
G1	Prep Blank		68.03	15.63	3.03	0.97	3.23	3.51	3.72	0.37	0.16	0.09	<0.002	<20	5	1.0	99.73	919	4	4.0	4.8

## QUALITY CONTROL REPORT

YVO14000006.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
BLK	Blank	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
BLK	Blank																				
BLK	Blank	1.0	<0.1	<0.1	0.2	<1	<0.5	0.3	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
BLK	Blank	<0.5	<0.1	<0.1	0.3	<1	<0.5	0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	24.9	4.2	24.2	139.9	3	841.0	1.9	9.9	3.3	52	<0.5	129.8	15.9	32.7	64.8	6.92	25.0	4.43	1.09	3.37
G1	Prep Blank	23.1	4.1	21.7	134.6	2	792.4	1.8	9.3	3.2	48	<0.5	133.4	15.2	28.9	62.7	6.35	23.2	4.11	1.04	3.16

## QUALITY CONTROL REPORT

YVO14000006.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01
BLK	Blank													<0.01	
BLK	Blank													<0.01	
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01							
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01							
BLK	Blank													<0.01	<0.01
BLK	Blank													<0.01	<0.01
BLK	Blank										<0.01				
BLK	Blank											<0.01			
BLK	Blank												76		
BLK	Blank												38		
BLK	Blank												80		
Prep Wash															
G1	Prep Blank	0.52	2.66	0.54	1.64	0.27	1.90	0.32	<0.02	<0.02	<0.01	<0.01	564		
G1	Prep Blank	0.46	2.94	0.46	1.55	0.23	1.73	0.28	<0.02	<0.02	<0.01	<0.01	485		





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9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

Submitted By: Garth Drever  
Receiving Lab: Canada-Val-d'Or  
Received: July 24, 2014  
Report Date: August 25, 2014  
Page: 1 of 5

## CERTIFICATE OF ANALYSIS

YVO14000006A.2

### CLIENT JOB INFORMATION

Project: None Given  
Shipment ID: 3  
P.O. Number  
Number of Samples: 116

### SAMPLE DISPOSAL

RTRN-PLP Return  
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Houston Lake Mining  
2736 Belisle Dr.  
Val Caron ON P3N 1B3  
CANADA

CC: Trevor Walker

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
8X	116	X-Ray Fluorescence / Single element Fusion		Completed	VAN

### ADDITIONAL COMMENTS

Version 2 : Revised Ta results and reporting unit.



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 25, 2014

**Page:** 2 of 5

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO1400006A.2

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00096133	Drill Core	<0.01	0.14	134
B00096134	Drill Core	0.01	0.14	103
B00096135	Drill Core	<0.01	0.01	<10
B00096136	Drill Core	0.01	0.04	<10
B00096137	Drill Core	0.03	0.10	80
B00096138	Pulp	0.08	0.40	161
B00096139	Drill Core	0.02	0.08	<10
B00096140	Drill Core	0.03	0.18	35
B00096141	Drill Core	0.03	0.10	148
B00096142	Drill Core	0.36	0.32	547
B00096143	Drill Core	1.20	0.26	699
B00096144	Pulp	<0.01	<0.01	<10
B00096145	Drill Core	0.09	0.22	717
B00096146	Drill Core	0.08	0.50	194
B00096147	Drill Core	0.06	0.23	94
B00096148	Drill Core	0.05	0.20	151
B00096149	Drill Core	0.06	0.14	165
B00096150	Drill Core	0.07	0.20	107
B00096151	Drill Core	0.10	0.38	213
B00096152	Drill Core	0.03	0.11	174
B00096153	Drill Core	0.04	0.11	153
B00096154	Drill Core	0.03	0.12	182
B00096155	Drill Core	0.03	0.12	165
B00096156	Pulp	3.90	0.45	79
B00096157	Drill Core	0.02	0.07	133
B00096158	Drill Core	0.02	0.14	121
B00096159	Drill Core	0.02	0.08	158
B00096160	Drill Core	0.02	0.08	140
B00096161	Drill Core	<0.01	0.02	156
B00096162	Pulp	<0.01	<0.01	<10

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 25, 2014

**Page:** 3 of 5

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO1400006A.2

Method	LF700	LF700	LF700	
Analyte	Cs	Rb	Ta	
Unit	%	%	ppm	
MDL	0.01	0.01	10	
B00096163	Drill Core	0.12	0.27	62
B00096164	Drill Core	0.07	0.18	580
B00096165	Drill Core	0.01	0.10	69
B00096166	Drill Core	0.03	0.18	<10
B00096167	Drill Core	0.03	0.19	41
B00096168	Drill Core	0.09	0.18	313
B00096169	Drill Core	0.03	0.19	57
B00096170	Drill Core	0.03	0.19	163
B00096171	Drill Core	0.08	0.30	26
B00096172	Drill Core	0.04	0.10	<10
B00096173	Drill Core	0.02	0.10	258
B00096174	Pulp	0.08	0.40	163
B00096175	Drill Core	0.10	0.45	312
B00096176	Drill Core	0.10	0.40	47
B00096177	Drill Core	0.05	0.19	70
B00096178	Drill Core	0.08	0.90	71
B00096179	Drill Core	0.08	0.64	56
B00096180	Pulp	<0.01	<0.01	<10
B00096181	Drill Core	0.08	0.97	36
B00096182	Drill Core	0.13	1.00	90
B00096183	Drill Core	0.11	0.70	82
B00096184	Drill Core	0.06	1.05	14
B00096185	Drill Core	0.13	0.82	84
B00096186	Drill Core	0.09	1.01	44
B00096187	Drill Core	0.17	0.86	138
B00096188	Drill Core	0.12	1.00	46
B00096189	Drill Core	0.09	1.01	38
B00096190	Drill Core	0.13	0.97	65
B00096191	Drill Core	0.08	1.10	<10
B00096192	Pulp	0.60	0.71	69

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 25, 2014

**Page:** 4 of 5

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO1400006A.2

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00096193	Drill Core	0.07	1.01	190
B00096194	Drill Core	0.05	0.15	<10
B00096195	Drill Core	0.09	0.49	92
B00096196	Drill Core	0.08	0.36	114
B00096197	Drill Core	0.09	0.62	54
B00096198	Pulp	<0.01	<0.01	<10
B00096199	Drill Core	0.09	0.74	79
B00096200	Drill Core	0.08	0.86	39
B00096201	Drill Core	0.10	0.61	116
B00096202	Drill Core	0.09	0.61	58
B00096203	Drill Core	0.14	0.77	208
B00096204	Drill Core	0.09	0.57	106
B00096205	Drill Core	0.09	0.83	54
B00096206	Drill Core	0.04	0.13	<10
B00096207	Drill Core	0.03	0.19	21
B00096208	Drill Core	0.02	0.05	<10
B00096209	Drill Core	0.03	0.09	<10
B00096210	Pulp	2.01	0.55	68
B00096211	Drill Core	0.06	0.64	49
B00096212	Drill Core	0.07	0.34	26
B00096213	Drill Core	0.07	0.30	<10
B00096214	Drill Core	0.04	0.37	44
B00096215	Drill Core	0.07	0.45	56
B00096216	Pulp	<0.01	<0.01	<10
B00096217	Drill Core	0.05	0.08	<10
B00096218	Drill Core	0.06	0.60	282
B00096219	Drill Core	0.06	0.37	56
B00096220	Drill Core	0.05	0.28	18
B00096221	Drill Core	0.04	0.24	169
B00096222	Drill Core	0.03	0.24	88

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 25, 2014

**Page:** 5 of 5

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO1400006A.2

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00096223	Drill Core	0.06	0.48	134
B00096224	Drill Core	0.04	0.42	108
B00096225	Drill Core	0.05	0.44	107
B00096226	Drill Core	0.04	0.38	137
B00096227	Drill Core	0.02	0.09	<10
B00096228	Pulp	0.07	0.40	165
B00096229	Drill Core	0.03	0.09	11
B00096230	Drill Core	0.09	0.86	59
B00096231	Drill Core	0.10	0.93	63
B00096232	Drill Core	0.09	1.06	28
B00096233	Drill Core	0.08	0.99	15
B00096234	Pulp	<0.01	<0.01	<10
B00096235	Drill Core	0.09	0.84	41
B00096236	Drill Core	0.14	0.68	74
B00096237	Drill Core	0.12	0.98	28
B00096238	Drill Core	0.05	0.37	48
B00096239	Drill Core	0.07	0.56	101
B00096240	Drill Core	0.05	0.36	72
B00096241	Drill Core	0.09	0.58	58
B00096242	Drill Core	0.03	0.13	196
B00096243	Drill Core	0.03	0.17	111
B00096244	Drill Core	0.07	0.33	67
B00096245	Drill Core	0.05	0.41	103
B00096246	Pulp	3.89	0.45	63
B00096247	Drill Core	0.04	0.22	114
B00096248	Drill Core	0.03	0.31	71

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 25, 2014

**Page:** 1 of 1

**Part:** 1 of 1

## QUALITY CONTROL REPORT

YVO1400006A.2

Method	LF700	LF700	LF700	
Analyte	Cs	Rb	Ta	
Unit	%	%	ppm	
MDL	0.01	0.01	10	
Pulp Duplicates				
B00096147	Drill Core	0.06	0.23	94
REP B00096147	QC	0.06	0.23	89
B00096183	Drill Core	0.11	0.70	82
REP B00096183	QC	0.10	0.65	92
B00096219	Drill Core	0.06	0.37	56
REP B00096219	QC	0.07	0.37	59
B00096248	Drill Core	0.03	0.31	71
REP B00096248	QC	0.03	0.30	69
Reference Materials				
STD MICA-FE(D)	Standard	0.02	0.21	31
STD MICA-FE(D)	Standard	0.02	0.21	38
STD MICA-FE(D)	Standard	0.02	0.21	39
STD MICA-FE(D)	Standard	0.02	0.21	30
STD VS-N(D)	Standard	0.09	0.08	672
STD VS-N(D)	Standard	0.09	0.08	661
STD VS-N(D)	Standard	0.10	0.08	664
STD VS-N(D)	Standard	0.09	0.08	668
STD VS-N(D) Expected		0.0942		
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	<10

## CERTIFICATE OF ANALYSIS

YVO14000007.1

### CLIENT JOB INFORMATION

Project: None Given  
Shipment ID: 4  
P.O. Number  
Number of Samples: 115

### SAMPLE DISPOSAL

RTRN-PLP Return  
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
CRUPR	101	Primary crushing entire sample of whole core			YVO
SPTRF	101	Split samples by riffle splitter			YVO
PRP70-250	101	Crush, split and pulverize 250 g rock to 200 mesh			YVO
PULCB	101	Pulverize Ceramic bowl			VAN
PULSW	101	Extra Wash with Glass between each sample			VAN
LF200	114	Total Whole Rock Characterization	0.2	Completed	VAN
PF370-B	114	Na2O2 fusion digestion, analysis by ICP-ES	0.25	Completed	VAN
PF370-Li	114	Na2O2 fusion, analysis by ICP-ES	0.25	Completed	VAN
GC840	114	Trace level F by specific ion electrode	0.2	Completed	VAN
8X	2	X-Ray Fluorescence / Single element Fusion		Completed	VAN

### ADDITIONAL COMMENTS

Invoice To: Houston Lake Mining  
2736 Belisle Dr.  
Val Caron ON P3N 1B3  
CANADA

CC: Trevor Walker



# CERTIFICATE OF ANALYSIS

YVO1400007.1

Method	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
B00096249	Drill Core	2.15	73.04	15.30	0.85	0.03	0.65	4.56	4.41	<0.01	0.33	0.05	<0.002	<20	3	0.6	99.85	156	3	1.0	447.7
B00096250	Drill Core	1.65	75.18	14.15	1.00	0.06	0.43	3.69	4.33	<0.01	0.12	0.06	<0.002	<20	3	0.8	99.78	167	14	1.2	666.3
B00096251	Drill Core	2.51	67.91	18.60	0.16	<0.01	0.43	7.05	4.94	<0.01	0.43	0.02	<0.002	<20	<1	0.3	99.84	52	84	0.4	419.8
B00096252	Pulp	0.09	98.50	0.67	0.06	0.03	0.03	0.02	0.15	0.05	<0.01	<0.01	<0.002	<20	<1	0.5	100.01	17	<1	0.5	2.0
B00096253	Drill Core	2.24	68.64	17.60	0.48	<0.01	0.80	4.69	6.49	<0.01	0.65	0.03	<0.002	<20	1	0.4	99.81	79	72	1.5	502.1
B00096254	Drill Core	1.91	76.22	13.74	1.10	0.05	0.40	3.28	4.80	0.01	0.05	0.04	<0.002	<20	3	0.1	99.79	221	8	1.1	580.8
B00096255	Drill Core	1.59	69.36	17.34	0.30	0.01	0.19	2.39	9.30	<0.01	0.31	0.08	<0.002	<20	<1	0.4	99.72	38	31	1.6	815.3
B00096256	Drill Core	2.32	68.69	17.28	0.43	0.02	0.35	2.97	8.39	<0.01	0.64	0.23	<0.002	<20	<1	0.6	99.63	59	92	1.0	824.4
B00096257	Drill Core	2.58	70.28	16.40	0.07	0.02	0.11	1.84	10.19	<0.01	0.33	0.02	<0.002	<20	<1	0.5	99.76	56	24	1.1	833.9
B00096258	Drill Core	0.87	67.26	18.02	0.11	0.02	0.14	2.39	10.85	<0.01	0.37	0.02	<0.002	<20	<1	0.5	99.70	62	53	1.2	907.9
B00096259	Drill Core	1.37	67.67	17.65	0.04	0.01	0.12	2.35	10.38	<0.01	0.33	0.01	<0.002	<20	<1	1.1	99.70	65	19	0.5	935.0
B00096260	Drill Core	2.45	67.00	17.90	0.06	0.02	0.11	1.91	11.25	<0.01	0.37	0.01	<0.002	<20	<1	1.0	99.67	58	29	0.5	1060.2
B00096261	Drill Core	2.24	69.63	16.71	0.11	0.03	0.14	2.35	9.56	<0.01	0.43	0.02	<0.002	<20	<1	0.7	99.71	55	12	1.1	850.8
B00096262	Drill Core	1.96	67.41	17.67	0.14	0.04	0.12	1.67	11.48	<0.01	0.29	0.01	<0.002	<20	<1	0.9	99.71	71	3	0.5	1017.5
B00096263	Drill Core	2.27	65.57	18.98	0.05	0.02	0.12	2.69	11.22	<0.01	0.35	0.01	<0.002	<20	<1	0.8	99.77	62	7	1.1	865.3
B00096264	Pulp	0.05	77.59	11.24	0.66	0.02	1.35	2.30	2.29	<0.01	1.14	0.30	0.003	<20	<1	1.8	98.67	16	530	1.7	651.7
B00096265	Drill Core	2.45	67.90	17.70	0.19	0.02	0.11	2.28	10.34	<0.01	0.31	0.02	<0.002	<20	<1	0.7	99.58	66	58	1.1	950.6
B00096266	Drill Core	2.39	68.22	17.17	0.28	0.02	0.15	1.77	10.73	<0.01	0.37	0.03	<0.002	<20	<1	0.9	99.59	71	99	1.7	943.1
B00096267	Drill Core	2.56	68.71	17.38	0.29	0.02	0.14	1.65	10.20	<0.01	0.32	0.06	<0.002	<20	<1	0.7	99.44	68	152	1.1	899.5
B00096268	Drill Core	2.37	73.85	14.26	0.46	0.03	0.24	1.54	7.15	<0.01	0.41	0.10	<0.002	<20	<1	1.1	99.19	62	511	1.1	1045.0
B00096269	Drill Core	2.38	69.16	17.13	0.31	0.03	0.25	1.80	9.35	<0.01	0.41	0.09	<0.002	<20	<1	0.9	99.40	80	65	0.9	1101.8
B00096270	Pulp	0.08	98.37	0.66	0.11	0.03	0.03	0.01	0.15	0.04	0.01	<0.01	<0.002	<20	<1	0.6	100.01	13	<1	0.9	1.5
B00096271	Drill Core	2.22	69.23	16.82	0.10	0.01	0.18	2.26	9.96	<0.01	0.39	0.08	<0.002	<20	<1	0.7	99.72	60	73	0.3	814.3
B00096272	Drill Core	3.47	75.96	13.58	0.83	0.03	0.49	2.72	5.08	<0.01	0.07	0.06	<0.002	<20	2	0.8	99.60	141	112	0.9	474.3
B00096273	Drill Core	2.44	72.71	15.48	0.36	0.02	0.33	2.94	6.04	<0.01	0.41	0.14	<0.002	<20	<1	0.8	99.20	58	239	<0.2	596.2
B00096274	Drill Core	2.95	75.41	13.64	1.09	0.04	0.67	3.75	4.11	<0.01	0.06	0.07	<0.002	<20	3	0.8	99.68	123	14	1.0	306.9
B00096275	Drill Core	1.12	75.27	14.00	0.98	0.04	0.61	3.32	4.83	<0.01	0.10	0.08	<0.002	<20	2	0.3	99.55	178	218	<0.2	337.9
B00096276	Drill Core	1.58	75.05	14.01	0.90	0.03	0.58	3.24	4.82	<0.01	0.08	0.08	<0.002	<20	2	0.8	99.57	172	101	0.9	317.0
B00096277	Drill Core	1.49	71.42	16.22	0.44	0.02	0.20	2.55	6.85	<0.01	0.31	0.12	<0.002	<20	<1	1.0	99.11	61	338	0.9	545.0
B00096278	Drill Core	2.00	70.75	12.74	0.83	0.04	3.26	1.02	5.82	0.01	2.53	0.56	<0.002	<20	1	1.1	98.71	53	237	1.2	1169.1



# CERTIFICATE OF ANALYSIS

YVO1400007.1

Method	Analyte	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
B00096249	Drill Core	27.6	2.4	11.0	1003.5	34	37.9	83.0	12.8	5.1	<8	1.6	37.6	10.6	12.3	22.1	2.80	10.7	2.44	0.23	2.31
B00096250	Drill Core	16.7	2.3	9.4	1136.8	12	38.1	21.3	11.7	2.9	<8	1.1	44.0	9.5	11.1	21.1	2.53	9.3	2.16	0.23	2.13
B00096251	Drill Core	46.1	1.5	54.1	2060.3	13	33.6	310.3	1.1	6.0	<8	<0.5	6.9	3.8	9.0	21.1	2.19	6.9	1.74	0.39	1.40
B00096252	Pulp	3.2	1.6	1.2	12.8	1	4.1	2.5	2.3	0.5	<8	0.5	55.7	2.7	12.4	25.4	3.22	11.2	2.17	0.40	1.42
B00096253	Drill Core	37.6	1.5	27.5	2695.9	16	48.0	214.0	4.2	2.7	<8	<0.5	11.9	5.0	4.7	8.4	1.03	3.5	1.00	0.27	0.96
B00096254	Drill Core	15.0	2.1	9.9	1189.9	8	40.2	15.0	13.7	2.8	<8	0.9	39.8	7.8	12.3	24.7	2.92	9.6	2.18	0.22	2.26
B00096255	Drill Core	33.9	0.2	12.8	7401.0	42	12.8	17.3	0.7	0.9	<8	1.1	1.7	1.1	3.1	5.4	0.64	2.2	0.50	0.11	0.51
B00096256	Drill Core	30.9	0.6	30.5	7029.5	23	20.4	66.5	2.9	2.1	<8	0.8	7.7	3.3	3.5	6.5	0.75	2.6	0.71	0.13	0.80
B00096257	Drill Core	26.5	0.5	20.5	8858.9	18	11.6	88.6	0.6	0.8	<8	0.9	2.7	0.2	0.5	0.4	0.05	<0.3	<0.05	<0.02	0.13
B00096258	Drill Core	28.0	0.4	17.8	9181.4	13	13.2	81.7	<0.2	0.7	<8	0.8	1.5	0.6	0.8	0.9	0.08	<0.3	0.06	0.03	0.17
B00096259	Drill Core	31.0	0.3	20.4	8546.4	14	13.7	82.2	<0.2	1.7	<8	1.0	1.5	0.4	0.7	0.5	0.07	<0.3	0.10	0.03	0.07
B00096260	Drill Core	28.5	0.2	18.3	9651.2	17	15.1	67.0	0.3	0.7	<8	1.2	1.4	0.2	0.7	0.5	0.07	<0.3	0.10	<0.02	0.08
B00096261	Drill Core	31.4	0.8	36.1	8324.9	39	16.6	84.6	0.6	2.5	<8	1.2	4.3	2.7	7.2	14.4	1.50	5.3	0.97	0.23	0.98
B00096262	Drill Core	29.6	0.5	18.7	9635.3	15	16.7	67.0	0.3	1.3	<8	1.1	2.0	2.6	9.6	23.9	2.47	7.6	1.74	0.30	1.13
B00096263	Drill Core	28.3	0.2	2.7	9371.5	18	13.3	17.1	<0.2	0.4	<8	0.8	0.8	0.3	0.6	0.5	0.06	0.3	0.07	<0.02	0.13
B00096264	Pulp	36.9	2.2	83.7	3437.9	102	12.3	161.3	10.4	4.3	<8	5.2	17.8	13.9	12.3	26.8	3.21	12.4	2.60	0.47	2.40
B00096265	Drill Core	28.7	0.6	32.4	9206.0	22	13.2	161.5	0.2	2.2	<8	1.0	1.9	0.6	1.0	1.2	0.16	0.5	0.13	<0.02	0.18
B00096266	Drill Core	27.7	0.2	13.5	9610.5	20	16.6	57.9	0.3	1.4	<8	1.5	1.4	0.4	0.7	1.0	0.11	0.5	0.10	0.02	0.18
B00096267	Drill Core	30.2	0.4	56.6	9307.0	46	15.7	118.6	0.5	1.2	<8	2.1	1.5	0.6	0.8	0.9	0.11	0.4	0.10	0.03	0.16
B00096268	Drill Core	30.5	0.6	53.5	7138.6	84	14.9	99.0	0.7	1.2	<8	3.1	2.3	0.9	0.9	1.4	0.18	0.7	0.16	0.02	0.21
B00096269	Drill Core	32.0	0.2	39.7	8802.7	26	17.6	80.2	0.7	0.9	<8	2.6	1.2	1.2	1.3	1.9	0.19	1.0	0.17	0.03	0.21
B00096270	Pulp	2.0	1.4	1.5	9.6	1	4.9	2.2	1.8	0.4	10	<0.5	57.7	2.7	11.5	23.6	2.88	11.1	1.62	0.34	1.24
B00096271	Drill Core	29.1	0.9	21.8	8709.7	18	19.1	62.0	0.4	1.0	<8	0.8	4.4	0.3	0.6	1.0	0.08	<0.3	0.11	0.03	0.09
B00096272	Drill Core	23.0	1.8	16.7	2997.5	37	37.5	25.6	9.7	4.8	<8	3.2	34.1	10.2	9.1	19.4	2.08	7.0	1.87	0.19	1.72
B00096273	Drill Core	33.6	0.7	90.3	5178.0	84	12.2	133.3	4.0	3.8	<8	2.4	6.4	2.5	2.3	4.1	0.39	1.0	0.36	0.09	0.43
B00096274	Drill Core	14.4	2.2	11.7	1304.8	20	33.2	6.0	12.9	5.4	<8	1.7	46.8	16.0	11.2	22.7	2.80	10.6	2.41	0.23	2.42
B00096275	Drill Core	18.5	2.1	15.1	1946.9	20	40.0	12.9	12.5	4.6	<8	2.0	42.9	11.7	11.7	22.0	2.71	10.6	2.16	0.25	2.09
B00096276	Drill Core	20.1	2.3	15.8	1936.1	23	43.2	21.3	13.6	5.1	12	1.6	42.9	12.6	11.3	27.2	2.88	11.1	2.62	0.27	2.15
B00096277	Drill Core	32.2	0.7	73.6	6190.1	66	9.9	88.7	4.2	3.9	<8	1.5	4.6	0.8	1.1	1.7	0.20	0.5	0.17	0.03	0.24
B00096278	Drill Core	36.2	2.5	43.4	7513.7	97	21.4	62.4	17.7	8.2	<8	6.6	30.3	35.1	28.0	58.8	7.44	27.6	6.02	1.06	6.07

# CERTIFICATE OF ANALYSIS

YVO1400007.1

Method Analyte	Unit	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%
B00096249	Drill Core	0.39	1.96	0.35	0.98	0.15	0.90	0.15	<0.02	<0.02	0.05	0.03	1242	
B00096250	Drill Core	0.37	1.85	0.33	0.96	0.15	1.02	0.18	<0.02	<0.02	0.04	0.05	1000	
B00096251	Drill Core	0.20	0.70	0.12	0.38	0.05	0.24	0.05	<0.02	<0.02	0.03	0.01	365	
B00096252	Pulp	0.18	0.65	0.13	0.31	0.05	0.27	0.05	<0.02	<0.02	<0.01	<0.01	29	
B00096253	Drill Core	0.15	0.76	0.14	0.39	0.07	0.32	0.07	<0.02	<0.02	0.10	0.03	835	
B00096254	Drill Core	0.32	1.46	0.27	0.64	0.09	0.66	0.11	<0.02	<0.02	0.02	0.05	865	
B00096255	Drill Core	0.06	0.25	0.03	0.10	0.01	0.10	0.01	<0.02	<0.02	0.06	0.08	1468	
B00096256	Drill Core	0.11	0.61	0.09	0.24	0.04	0.22	0.04	<0.02	<0.02	0.11	0.10	1584	
B00096257	Drill Core	0.01	0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.06	952	
B00096258	Drill Core	0.02	0.06	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.08	1092	
B00096259	Drill Core	0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.08	1081	
B00096260	Drill Core	0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.09	1246	
B00096261	Drill Core	0.13	0.50	0.05	0.18	0.02	0.12	0.03	<0.02	<0.02	0.01	0.08	1493	
B00096262	Drill Core	0.13	0.39	0.06	0.12	0.01	0.06	<0.01	<0.02	<0.02	<0.01	0.07	1077	
B00096263	Drill Core	<0.01	0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.06	872	
B00096264	Pulp	0.41	2.52	0.52	1.45	0.24	1.62	0.25	0.02	<0.02	0.06	0.46	8515	
B00096265	Drill Core	0.02	0.14	0.03	0.07	0.02	0.07	<0.01	<0.02	<0.02	<0.01	0.12	1432	
B00096266	Drill Core	0.02	0.10	<0.02	0.08	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.12	1540	
B00096267	Drill Core	0.01	0.07	<0.02	0.05	0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.17	2586	
B00096268	Drill Core	0.03	0.20	0.03	0.07	0.02	0.12	0.02	<0.02	<0.02	0.09	0.22	3734	
B00096269	Drill Core	0.03	0.19	0.04	0.11	0.03	0.15	0.02	<0.02	<0.02	0.06	0.20	3338	
B00096270	Pulp	0.14	0.57	0.11	0.39	0.06	0.40	0.06	<0.02	<0.02	<0.01	<0.01	25	
B00096271	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	0.01	<0.02	<0.02	0.02	0.07	778	
B00096272	Drill Core	0.29	1.72	0.30	1.00	0.14	0.85	0.14	<0.02	<0.02	0.04	0.13	2852	
B00096273	Drill Core	0.06	0.47	0.07	0.26	0.03	0.33	0.06	<0.02	<0.02	0.04	0.28	2497	
B00096274	Drill Core	0.40	2.54	0.54	1.58	0.25	1.61	0.24	<0.02	0.05	0.03	0.12	2310	
B00096275	Drill Core	0.34	1.96	0.38	1.04	0.16	1.01	0.16	<0.02	<0.02	0.03	0.14	1767	
B00096276	Drill Core	0.36	2.20	0.43	1.19	0.17	1.16	0.18	<0.02	<0.02	0.03	0.15	1426	
B00096277	Drill Core	0.03	0.15	0.03	0.08	0.01	0.09	0.01	<0.02	<0.02	0.05	0.31	1628	
B00096278	Drill Core	0.99	5.73	1.20	3.36	0.53	3.40	0.53	0.03	<0.02	0.08	0.47	>10000	

# CERTIFICATE OF ANALYSIS

YVO1400007.1

Method	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
B00096279	Drill Core	2.59	65.69	17.44	0.19	0.03	1.69	1.42	10.25	<0.01	1.48	0.22	<0.002	<20	<1	0.9	99.26	197	4	0.9	877.1
B00096280	Drill Core	1.17	77.01	16.82	0.13	0.12	0.07	0.28	0.22	<0.01	0.03	0.02	<0.002	<20	<1	1.3	96.01	5	3	1.8	128.1
B00096281	Drill Core	1.84	74.52	16.72	0.14	0.27	0.25	1.14	2.89	<0.01	0.06	0.02	<0.002	<20	<1	1.3	97.35	21	3	1.3	312.6
B00096282	Pulp	0.01	78.82	10.67	0.63	0.02	1.30	2.16	2.15	<0.01	1.07	0.29	0.003	<20	<1	1.6	98.68	17	521	1.0	701.6
B00096283	Drill Core	2.34	73.04	16.05	0.47	0.21	0.52	2.89	3.66	<0.01	0.29	0.13	<0.002	<20	<1	1.5	98.80	19	63	0.3	423.3
B00096284	Drill Core	2.08	74.01	15.15	0.68	0.02	0.25	2.10	4.13	<0.01	0.42	0.31	<0.002	<20	<1	1.7	98.75	35	184	<0.2	526.7
B00096285	Drill Core	2.11	75.41	14.28	0.95	0.02	0.61	3.91	2.74	<0.01	0.24	0.15	<0.002	<20	2	1.2	99.57	66	51	0.4	354.1
B00096286	Drill Core	1.96	86.22	7.90	1.12	0.03	0.37	2.03	1.72	<0.01	0.07	0.06	<0.002	<20	2	0.4	99.94	53	3	0.9	119.4
B00096287	Drill Core	1.59	71.83	16.82	0.30	<0.01	0.10	3.45	5.11	<0.01	0.23	0.11	<0.002	<20	<1	0.9	98.82	40	22	0.4	510.6
B00096288	Pulp	0.08	98.24	0.66	0.11	0.03	0.03	0.01	0.15	0.05	<0.01	<0.01	<0.002	<20	<1	0.7	100.01	14	<1	0.5	<0.1
B00096289	Drill Core	2.54	75.48	16.01	0.13	0.01	0.05	0.66	3.88	<0.01	0.23	0.08	<0.002	<20	<1	0.4	96.94	14	4	0.2	294.0
B00096290	Drill Core	2.45	70.89	16.98	0.23	<0.01	0.13	4.22	5.24	<0.01	0.37	0.12	<0.002	<20	<1	0.9	99.11	13	157	0.4	447.7
B00096291	Drill Core	2.80	74.21	16.87	0.28	0.01	0.13	0.45	2.25	<0.01	0.28	0.16	<0.002	<20	<1	1.6	96.25	5	146	0.7	351.5
B00096292	Drill Core	2.62	70.95	18.01	0.15	0.01	0.14	0.76	5.70	<0.01	0.32	0.09	<0.002	<20	<1	1.0	97.11	11	101	0.4	427.7
B00096293	Drill Core	2.69	74.22	16.66	0.17	0.01	0.10	0.52	3.56	<0.01	0.17	0.08	<0.002	<20	<1	1.0	96.52	8	111	0.3	364.7
B00096294	Drill Core	1.48	75.36	17.01	0.11	0.02	0.06	0.06	0.23	<0.01	0.27	0.06	<0.002	<20	<1	1.8	95.01	<1	77	<0.2	110.1
B00096295	Drill Core	2.61	71.96	17.09	0.16	0.01	0.05	2.00	5.40	<0.01	0.14	0.04	<0.002	<20	<1	1.1	98.00	16	83	<0.2	461.0
B00096296	Drill Core	1.02	76.55	17.05	0.16	0.02	0.04	0.06	0.18	<0.01	0.09	0.05	<0.002	<20	<1	1.5	95.69	2	28	0.6	73.6
B00096297	Drill Core	2.47	74.06	16.10	0.25	<0.01	0.23	5.31	1.12	<0.01	0.43	0.19	<0.002	<20	<1	0.9	98.60	2	136	0.3	246.3
B00096298	Drill Core	2.46	68.82	17.62	0.10	<0.01	0.14	2.62	9.89	<0.01	0.32	0.08	<0.002	<20	<1	0.0	99.59	27	49	<0.2	561.2
B00096299	Drill Core	2.62	71.01	17.30	0.19	<0.01	0.14	1.10	7.53	<0.01	0.39	0.10	<0.002	<20	<1	0.4	98.18	21	77	0.2	552.7
B00096300	Pulp	0.01	69.35	18.31	0.43	0.04	0.18	2.17	3.88	<0.01	0.26	0.03	0.034	55	1	0.9	95.59	14	31	1.4	>10000
B00096301	Drill Core	2.63	72.67	17.29	0.14	<0.01	0.08	0.83	5.92	<0.01	0.19	0.05	<0.002	<20	<1	0.4	97.57	13	54	<0.2	401.4
B00096302	Drill Core	2.64	73.08	17.39	0.16	<0.01	0.10	0.78	5.24	<0.01	0.23	0.07	<0.002	<20	<1	0.3	97.37	11	77	0.3	419.5
B00096303	Drill Core	2.55	73.98	16.56	0.49	0.01	0.19	1.39	4.09	<0.01	0.31	0.16	<0.002	<20	<1	1.0	98.13	6	124	0.2	478.2
B00096304	Drill Core	2.73	72.82	16.91	0.30	0.01	0.13	1.01	5.48	<0.01	0.27	0.12	<0.002	<20	<1	0.8	97.83	9	107	<0.2	509.2
B00096305	Drill Core	3.01	71.13	17.77	0.25	<0.01	0.14	1.08	6.65	<0.01	0.28	0.10	<0.002	<20	<1	0.5	97.96	8	51	<0.2	578.2
B00096306	Pulp	0.08	97.94	0.67	0.13	0.04	0.03	0.01	0.15	0.05	0.01	<0.01	<0.002	<20	<1	1.0	100.02	11	<1	0.8	<0.1
B00096307	Drill Core	2.62	74.71	16.21	0.20	0.01	0.12	1.42	3.65	<0.01	0.22	0.11	<0.002	<20	<1	0.8	97.40	5	82	<0.2	409.4
B00096308	Drill Core	2.64	73.27	16.24	0.31	<0.01	0.15	3.51	3.93	<0.01	0.27	0.11	<0.002	<20	<1	0.9	98.69	4	124	<0.2	529.1

# CERTIFICATE OF ANALYSIS

YVO1400007.1

Method	Analyte	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
B00096279	Drill Core	28.5	0.2	8.2	9444.9	39	25.9	31.3	2.2	2.3	<8	1.3	2.9	19.7	13.3	27.9	3.62	13.5	3.00	0.58	3.01
B00096280	Drill Core	17.5	<0.1	1.0	181.5	36	6.0	7.1	0.3	0.2	<8	<0.5	0.4	0.4	0.4	0.5	0.06	<0.3	0.08	0.03	0.13
B00096281	Drill Core	19.7	0.2	10.3	2392.3	91	19.5	18.3	0.4	0.7	<8	<0.5	1.1	0.8	2.3	4.5	0.47	1.5	0.35	0.09	0.34
B00096282	Pulp	41.3	2.4	83.0	3797.2	127	14.3	144.4	9.3	4.5	<8	5.1	18.3	17.6	10.4	25.5	2.86	11.2	2.73	0.52	2.51
B00096283	Drill Core	39.1	1.0	36.1	3097.5	78	10.8	52.8	2.8	3.7	11	2.0	9.7	8.1	23.3	45.5	4.57	16.5	3.02	0.46	2.87
B00096284	Drill Core	58.6	2.2	107.4	4503.0	143	10.3	121.0	4.9	5.1	<8	6.3	16.2	2.2	2.1	3.0	0.46	1.2	0.28	0.03	0.41
B00096285	Drill Core	42.2	1.8	39.4	2479.5	101	22.0	29.0	12.5	5.6	<8	41.3	32.6	12.2	9.8	19.8	2.27	8.5	1.96	0.18	1.88
B00096286	Drill Core	14.3	1.1	4.1	242.4	12	18.1	2.0	8.1	3.1	<8	1.7	21.5	7.9	7.6	15.1	1.58	5.3	1.38	0.12	1.37
B00096287	Drill Core	27.6	0.8	27.7	4346.1	42	8.3	26.8	0.7	2.6	<8	2.5	6.2	0.6	0.6	1.3	0.13	0.5	0.12	<0.02	0.15
B00096288	Pulp	2.5	1.7	1.5	4.1	<1	3.1	0.5	2.2	0.3	15	<0.5	72.3	3.4	12.7	22.6	2.76	9.8	1.74	0.25	1.06
B00096289	Drill Core	18.4	<0.1	4.8	3592.9	42	3.6	8.4	<0.2	<0.1	<8	1.2	0.5	<0.1	<0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096290	Drill Core	40.3	1.9	40.3	5217.6	242	6.9	103.5	3.4	6.4	<8	1.9	9.2	<0.1	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096291	Drill Core	27.3	0.2	24.2	2056.8	48	2.9	37.9	1.9	1.2	<8	2.4	1.2	0.4	0.5	0.3	0.02	<0.3	<0.05	<0.02	<0.05
B00096292	Drill Core	24.7	<0.1	16.1	4616.6	36	5.7	23.9	0.4	0.4	<8	1.1	2.1	0.4	0.4	0.5	0.03	<0.3	<0.05	<0.02	<0.05
B00096293	Drill Core	21.6	0.1	12.6	3313.8	28	4.5	13.7	0.4	0.2	<8	1.9	0.6	0.4	0.2	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
B00096294	Drill Core	18.8	0.1	10.6	438.6	40	3.0	37.9	0.3	2.2	<8	0.7	0.6	<0.1	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096295	Drill Core	29.2	0.5	10.2	4971.2	69	5.8	19.6	1.0	1.3	<8	1.6	2.2	<0.1	0.2	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096296	Drill Core	18.9	0.1	9.2	359.2	41	3.2	35.4	<0.2	0.2	<8	1.3	0.6	<0.1	<0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096297	Drill Core	38.3	2.0	74.9	1451.3	108	9.9	229.0	2.7	3.5	<8	1.5	9.9	<0.1	0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096298	Drill Core	27.2	0.2	19.2	8833.7	30	11.7	40.7	1.0	1.2	<8	<0.5	1.2	<0.1	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
B00096299	Drill Core	24.6	<0.1	7.0	6519.6	31	8.8	6.4	0.3	<0.1	<8	1.0	0.3	0.3	0.4	0.3	0.23	<0.3	<0.05	<0.02	<0.05
B00096300	Pulp	60.7	1.0	20.2	5332.7	67	23.7	70.6	1.0	3.2	<8	1.1	6.7	<0.1	0.4	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
B00096301	Drill Core	21.2	0.1	6.4	5051.6	26	5.7	7.5	<0.2	<0.1	<8	0.8	0.5	0.2	0.3	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096302	Drill Core	22.2	<0.1	10.2	4539.4	29	5.5	11.7	0.3	0.2	<8	0.9	1.0	0.5	0.4	0.3	0.03	<0.3	<0.05	<0.02	<0.05
B00096303	Drill Core	46.7	0.6	34.7	4257.4	105	6.3	41.6	0.9	1.1	<8	2.9	3.2	0.3	0.4	0.4	<0.02	<0.3	<0.05	<0.02	<0.05
B00096304	Drill Core	30.3	0.2	29.7	4719.6	63	7.1	39.9	0.5	1.0	<8	2.1	1.4	0.3	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
B00096305	Drill Core	29.1	0.2	32.0	5760.2	48	7.4	34.3	0.3	0.4	<8	2.2	1.1	0.4	0.4	0.5	0.03	<0.3	<0.05	<0.02	0.06
B00096306	Pulp	<0.5	1.8	1.7	4.2	<1	3.3	0.4	2.0	0.2	10	<0.5	63.7	3.2	11.6	20.8	2.67	10.2	1.62	0.26	1.19
B00096307	Drill Core	29.6	0.8	37.4	3436.4	73	6.4	64.1	1.5	2.6	<8	1.4	4.3	0.2	0.3	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096308	Drill Core	41.8	2.0	41.7	3844.8	150	7.7	75.1	5.2	6.6	<8	1.9	11.0	0.1	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05

# CERTIFICATE OF ANALYSIS

YVO1400007.1

Method	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01
B00096279	Drill Core	0.54	3.18	0.76	2.13	0.32	2.17	0.33	0.02	<0.02	<0.01	0.29	3035
B00096280	Drill Core	0.01	0.07	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.90	238
B00096281	Drill Core	0.04	0.13	<0.02	0.06	0.01	0.05	<0.01	0.04	<0.02	0.01	1.25	707
B00096282	Pulp	0.43	2.80	0.63	1.81	0.30	1.82	0.28	0.02	<0.02	0.06	0.49	8507
B00096283	Drill Core	0.38	1.49	0.24	0.60	0.05	0.44	0.06	0.07	<0.02	0.03	0.52	1899
B00096284	Drill Core	0.07	0.38	0.10	0.23	0.03	0.20	0.04	<0.02	<0.02	0.08	0.49	5818
B00096285	Drill Core	0.34	2.07	0.45	1.43	0.22	1.27	0.19	<0.02	<0.02	0.03	0.16	4294
B00096286	Drill Core	0.25	1.64	0.28	0.92	0.14	0.85	0.13	0.02	0.02	0.17	0.02	733
B00096287	Drill Core	0.02	<0.05	0.02	0.03	<0.01	0.07	<0.01	<0.02	<0.02	0.03	0.52	2332
B00096288	Pulp	0.16	0.71	0.15	0.33	0.07	0.38	0.06	<0.02	<0.02	<0.01	<0.01	57
B00096289	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.48	956
B00096290	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.35	2488
B00096291	Drill Core	0.01	0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.72	2144
B00096292	Drill Core	0.02	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.33	990
B00096293	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.60	1211
B00096294	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.44	628
B00096295	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.89	1459
B00096296	Drill Core	0.04	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.12	529
B00096297	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	0.62	1525
B00096298	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	0.15	503
B00096299	Drill Core	<0.01	0.09	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.81	753
B00096300	Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.07	<0.02	<0.01	1.16	541 2.04
B00096301	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.14	492
B00096302	Drill Core	0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.25	841
B00096303	Drill Core	<0.01	0.07	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.86	2849
B00096304	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.99	1784
B00096305	Drill Core	0.02	0.09	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.95	1607
B00096306	Pulp	0.15	0.72	0.14	0.32	0.05	0.38	0.04	<0.02	<0.02	<0.01	<0.01	57
B00096307	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.24	1468
B00096308	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.57	2446

# CERTIFICATE OF ANALYSIS

# YVO1400007.1

Method	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
B00096309	Drill Core	2.64	74.00	16.45	0.29	0.01	0.12	1.10	4.42	<0.01	0.32	0.12	<0.002	<20	<1	0.8	97.64	6	38	<0.2	540.8
B00096310	Drill Core	2.66	71.83	17.05	0.09	<0.01	0.11	1.32	7.75	<0.01	0.24	0.04	<0.002	<20	<1	0.0	98.43	9	47	<0.2	671.6
B00096311	Drill Core	2.72	75.67	16.31	0.27	<0.01	0.18	0.98	3.24	<0.01	0.27	0.10	<0.002	<20	<1	0.3	97.32	3	62	<0.2	483.4
B00096312	Drill Core	0.99	75.98	16.79	0.12	<0.01	0.06	0.36	2.34	<0.01	0.12	0.05	<0.002	<20	<1	0.4	96.23	3	11	<0.2	277.8
B00096313	Drill Core	1.47	74.55	17.17	0.11	<0.01	0.04	0.40	2.56	<0.01	0.11	0.04	<0.002	<20	<1	1.2	96.19	3	8	0.3	257.4
B00096314	Drill Core	2.87	75.77	16.33	0.34	0.01	0.18	1.34	1.18	<0.01	0.25	0.16	0.005	<20	<1	1.0	96.63	<1	94	<0.2	321.2
B00096315	Drill Core	2.70	74.60	16.42	0.24	0.02	0.20	5.42	0.55	<0.01	0.30	0.16	<0.002	<20	<1	0.3	98.22	<1	98	<0.2	122.4
B00096316	Drill Core	2.50	77.67	14.88	0.19	0.01	0.12	1.12	2.17	<0.01	0.24	0.12	<0.002	<20	<1	0.6	97.15	2	51	<0.2	196.4
B00096317	Drill Core	2.37	72.14	16.72	0.22	<0.01	0.29	9.33	0.18	<0.01	0.51	0.27	<0.002	<20	<1	0.1	99.76	<1	137	<0.2	47.0
B00096318	Pulp	0.01	78.22	11.05	0.65	0.02	1.33	2.23	2.26	<0.01	1.14	0.30	0.004	<20	<1	1.4	98.63	15	512	0.9	675.6
B00096319	Drill Core	2.66	72.97	16.52	0.19	<0.01	0.07	1.35	5.39	<0.01	0.17	0.08	<0.002	<20	<1	1.1	97.85	6	76	<0.2	476.9
B00096320	Drill Core	2.54	73.20	15.93	0.28	<0.01	0.12	4.48	3.96	<0.01	0.28	0.13	<0.002	<20	<1	0.7	99.09	4	128	0.3	371.9
B00096321	Drill Core	2.39	72.67	16.11	0.69	0.01	0.26	1.07	4.69	<0.01	0.77	0.42	<0.002	<20	<1	1.2	97.91	5	268	<0.2	601.1
B00096322	Drill Core	2.47	74.12	15.16	0.40	<0.01	0.16	2.87	3.86	<0.01	0.41	0.22	<0.002	<20	<1	1.5	98.67	3	166	0.3	429.0
B00096323	Drill Core	2.47	72.13	16.68	0.35	<0.01	0.17	6.50	1.88	<0.01	0.37	0.25	<0.002	<20	<1	1.0	99.30	1	202	<0.2	482.7
B00096324	Pulp	0.09	98.17	0.67	0.09	0.03	0.02	0.01	0.15	0.04	<0.01	<0.01	<0.002	<20	<1	0.8	100.01	13	<1	0.4	<0.1
B00096325	Drill Core	2.74	73.33	16.25	0.53	<0.01	0.27	3.53	2.52	<0.01	0.61	0.38	<0.002	<20	<1	1.0	98.43	2	257	<0.2	594.4
B00096326	Drill Core	2.50	71.83	15.68	0.34	<0.01	0.16	2.69	5.35	<0.01	0.63	0.39	<0.002	<20	<1	1.8	98.89	6	173	0.2	1022.3
B00096327	Drill Core	2.65	74.18	16.47	0.31	<0.01	0.16	3.21	1.56	<0.01	0.45	0.29	<0.002	<20	<1	0.9	97.55	<1	182	<0.2	685.0
B00096328	Drill Core	2.68	74.63	16.59	0.26	<0.01	0.10	3.48	2.21	<0.01	0.22	0.13	<0.002	<20	<1	0.5	98.10	1	104	0.3	528.7
B00096329	Drill Core	2.39	74.93	16.03	0.41	<0.01	0.14	1.74	2.34	<0.01	0.26	0.21	<0.002	<20	<1	1.6	97.62	1	125	0.2	682.1
B00096330	Drill Core	1.02	73.21	17.27	0.12	<0.01	0.06	0.71	4.08	<0.01	0.18	0.08	<0.002	<20	<1	1.2	96.92	4	17	0.4	311.7
B00096331	Drill Core	2.62	72.24	17.49	0.24	<0.01	0.12	0.78	4.89	<0.01	0.29	0.09	<0.002	<20	<1	1.2	97.39	4	40	<0.2	658.6
B00096332	Drill Core	2.65	74.73	15.30	0.43	<0.01	0.26	4.76	2.01	<0.01	0.50	0.24	<0.002	<20	<1	0.7	98.97	2	206	0.3	407.9
B00096333	Drill Core	1.47	72.85	17.19	0.12	<0.01	0.09	0.85	4.62	<0.01	0.26	0.10	<0.002	<20	<1	0.7	96.76	7	14	0.3	361.7
B00096334	Drill Core	2.51	75.07	16.30	0.25	<0.01	0.13	3.35	1.49	<0.01	0.28	0.14	<0.002	<20	<1	0.5	97.48	<1	123	0.2	338.9
B00096335	Drill Core	2.51	76.00	15.97	0.34	<0.01	0.15	2.68	1.22	<0.01	0.36	0.22	<0.002	<20	<1	0.3	97.25	1	109	<0.2	298.6
B00096336	Pulp	0.01	65.55	20.16	0.23	0.04	0.15	1.76	2.76	<0.01	0.23	0.03	0.016	<20	<1	1.7	92.63	9	27	0.4	>10000
B00096337	Drill Core	2.74	74.27	16.53	0.20	0.01	0.11	2.54	2.61	<0.01	0.46	0.13	<0.002	<20	<1	0.6	97.46	2	143	0.3	359.3
B00096338	Drill Core	2.27	74.50	16.19	0.21	<0.01	0.13	2.92	3.25	<0.01	0.31	0.13	<0.002	<20	<1	0.4	98.06	3	139	<0.2	241.2

# CERTIFICATE OF ANALYSIS

YVO14000007.1

Method	Analyte	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
B00096309	Drill Core	30.8	1.4	29.0	4093.3	129	6.6	46.0	1.3	3.5	<8	2.3	8.0	0.3	0.2	0.2	<0.02	<0.3	<0.05	<0.02	0.06
B00096310	Drill Core	21.7	0.1	12.3	6389.7	23	7.4	29.9	<0.2	0.2	<8	0.6	0.7	0.1	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
B00096311	Drill Core	30.2	0.5	30.9	3223.9	53	3.5	49.6	0.7	1.3	<8	1.8	2.2	0.2	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
B00096312	Drill Core	20.1	<0.1	9.3	2186.7	49	2.7	30.5	<0.2	0.1	<8	0.8	0.5	<0.1	0.2	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096313	Drill Core	18.8	<0.1	6.6	2259.9	44	2.6	12.8	<0.2	0.2	<8	0.5	0.3	<0.1	0.3	0.1	<0.02	<0.3	<0.05	0.18	<0.05
B00096314	Drill Core	31.8	0.6	41.3	1741.2	99	2.9	83.2	2.0	2.0	<8	2.3	3.5	0.2	0.3	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096315	Drill Core	34.5	0.9	50.1	598.3	75	5.1	129.7	2.8	3.1	16	0.7	4.9	<0.1	0.5	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
B00096316	Drill Core	23.1	0.3	40.8	2216.9	107	5.7	45.6	3.1	1.7	<8	1.2	1.8	<0.1	0.3	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096317	Drill Core	44.5	2.0	81.2	126.0	255	5.5	239.7	3.9	4.4	<8	2.7	9.4	<0.1	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
B00096318	Pulp	39.0	2.4	81.6	3454.8	106	13.9	148.9	8.1	4.1	<8	4.5	17.4	15.1	9.1	22.5	2.63	9.5	2.43	0.40	2.32
B00096319	Drill Core	34.4	0.5	30.1	5376.3	70	6.4	46.0	1.8	1.5	<8	2.9	2.7	<0.1	0.3	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096320	Drill Core	38.0	1.8	68.5	3748.5	42	6.3	155.1	5.1	4.0	<8	2.1	10.3	0.1	0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096321	Drill Core	43.3	0.5	98.5	4517.1	109	7.4	94.4	2.1	3.8	<8	4.1	3.0	0.6	0.4	0.4	0.02	<0.3	<0.05	<0.02	<0.05
B00096322	Drill Core	37.4	1.3	59.2	3493.8	121	5.3	91.0	4.3	4.8	<8	2.5	7.6	0.2	0.3	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096323	Drill Core	53.7	4.2	128.3	2456.1	202	4.3	241.2	6.4	10.7	<8	3.3	20.2	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096324	Pulp	<0.5	1.2	1.3	3.2	<1	3.6	0.5	2.0	0.3	<8	<0.5	50.4	3.8	13.1	26.4	3.21	12.0	1.98	0.30	1.42
B00096325	Drill Core	43.8	1.3	88.1	2995.2	133	6.5	120.1	4.9	4.5	<8	3.6	7.1	0.2	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
B00096326	Drill Core	47.7	2.6	87.2	5972.4	110	8.0	151.9	4.9	8.5	<8	4.2	12.9	<0.1	0.4	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
B00096327	Drill Core	42.7	1.7	76.5	2569.9	112	4.2	136.5	5.4	5.2	<8	3.0	9.1	<0.1	<0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
B00096328	Drill Core	42.0	2.2	57.7	2557.8	158	3.9	87.3	4.9	8.0	<8	2.0	12.0	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096329	Drill Core	51.8	2.0	66.8	3336.5	584	3.1	85.4	6.8	8.7	<8	4.0	11.5	<0.1	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096330	Drill Core	22.0	<0.1	14.5	3349.0	48	3.5	17.4	0.3	0.6	<8	0.8	0.5	<0.1	0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096331	Drill Core	33.5	0.7	43.5	4659.6	133	5.8	85.6	2.0	3.0	<8	2.7	3.3	<0.1	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096332	Drill Core	42.5	2.0	55.1	2265.1	87	7.6	99.0	2.2	4.4	<8	3.2	10.3	0.2	0.2	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096333	Drill Core	21.2	0.2	21.1	3750.0	58	3.6	31.0	0.2	0.2	<8	1.2	0.4	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096334	Drill Core	32.0	1.5	49.4	1769.3	119	3.8	145.4	4.4	5.1	<8	1.2	7.4	0.1	0.2	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096335	Drill Core	34.1	0.5	44.6	1624.7	59	2.6	71.9	1.8	3.0	<8	2.3	2.6	<0.1	0.3	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096336	Pulp	54.2	1.1	20.2	3872.0	62	22.3	69.7	1.0	2.9	<8	0.8	5.8	<0.1	0.2	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
B00096337	Drill Core	32.6	0.7	38.4	2571.7	63	3.9	116.2	2.0	3.1	<8	1.2	2.8	<0.1	<0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096338	Drill Core	30.2	0.9	50.7	2897.5	76	4.6	117.0	1.6	2.7	<8	1.2	3.6	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05

# CERTIFICATE OF ANALYSIS

YVO1400007.1

Method Analyte	Unit	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%
		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01
B00096309	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	1.10	2950	
B00096310	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.72	716	
B00096311	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.31	1704	
B00096312	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.88	910	
B00096313	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.88	578	
B00096314	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	1.64	2300	
B00096315	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	0.84	681	
B00096316	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.37	1005	
B00096317	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.06	349	
B00096318	Pulp	0.41	2.54	0.51	1.63	0.25	1.55	0.23	0.02	<0.02	0.06	0.50	9665	
B00096319	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.98	2545	
B00096320	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.38	2030	
B00096321	Drill Core	0.01	0.07	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	0.90	3423	
B00096322	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	0.58	2020	
B00096323	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	0.24	3780	
B00096324	Pulp	0.18	0.88	0.13	0.35	0.06	0.40	0.05	<0.02	<0.02	<0.01	<0.01	77	
B00096325	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.08	0.62	4020	
B00096326	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.42	6436	
B00096327	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	1.05	5116	
B00096328	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.83	3204	
B00096329	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.04	4867	
B00096330	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.49	875	
B00096331	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	1.17	2985	
B00096332	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.07	0.41	2854	
B00096333	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.48	640	
B00096334	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	1.11	1871	
B00096335	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.21	2680	
B00096336	Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.07	<0.02	<0.01	1.70	736	4.10
B00096337	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.14	1510	
B00096338	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.86	1045	



# CERTIFICATE OF ANALYSIS

YVO1400007.1

Method	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
B00096339	Drill Core	2.41	77.01	15.04	0.35	<0.01	0.18	0.95	2.34	<0.01	0.38	0.22	<0.002	<20	<1	0.5	96.99	<1	244	<0.2	210.6
B00096340	Drill Core	2.34	73.50	15.82	0.42	<0.01	0.21	2.02	5.13	<0.01	0.55	0.28	<0.002	<20	<1	0.6	98.54	5	196	0.2	292.6
B00096341	Drill Core	2.77	74.88	16.59	0.19	<0.01	0.08	0.81	3.88	<0.01	0.22	0.12	<0.002	<20	<1	0.5	97.27	4	40	<0.2	177.9
B00096342	Pulp	0.08	98.98	0.68	0.08	0.04	0.03	<0.01	0.15	0.05	<0.01	<0.01	<0.002	<20	<1	0.0	100.00	16	1	0.4	0.2
B00096343	Drill Core	2.50	74.75	16.68	0.23	<0.01	0.13	1.42	2.79	<0.01	0.28	0.15	<0.002	<20	<1	0.4	96.83	2	43	<0.2	192.1
B00096344	Drill Core	2.55	76.34	15.90	0.21	<0.01	0.07	2.26	1.02	<0.01	0.15	0.10	<0.002	<20	<1	0.9	96.98	1	74	<0.2	88.6
B00096345	Drill Core	2.57	74.68	15.45	0.39	<0.01	0.15	5.41	1.94	<0.01	0.33	0.20	<0.002	<20	<1	0.7	99.25	2	218	<0.2	193.3
B00096346	Drill Core	2.54	74.43	15.46	0.35	<0.01	0.16	4.05	2.70	<0.01	0.36	0.20	<0.002	<20	<1	1.0	98.75	2	183	<0.2	184.9
B00096347	Drill Core	2.40	72.39	16.56	0.30	<0.01	0.11	5.17	3.47	<0.01	0.33	0.18	<0.002	<20	<1	0.6	99.14	2	225	0.2	186.4
B00096348	Drill Core	1.04	75.93	16.42	0.23	0.01	0.05	1.28	1.40	<0.01	0.14	0.11	<0.002	<20	<1	0.9	96.41	2	97	0.2	104.3
B00096349	Drill Core	2.50	74.80	16.33	0.25	<0.01	0.09	2.35	2.81	<0.01	0.33	0.20	<0.002	<20	<1	0.1	97.26	3	126	<0.2	137.3
B00096350	Drill Core	1.37	76.05	16.20	0.20	0.01	0.07	1.36	1.51	<0.01	0.16	0.11	<0.002	<20	<1	0.8	96.50	1	67	<0.2	92.2
B00096351	Drill Core	2.50	74.55	16.01	0.20	<0.01	0.11	4.11	2.15	<0.01	0.27	0.14	<0.002	<20	<1	0.8	98.33	1	187	0.2	156.7
B00096352	Drill Core	2.48	74.26	16.99	0.14	0.01	0.08	2.24	2.86	<0.01	0.21	0.12	<0.002	<20	<1	0.5	97.42	2	174	<0.2	164.0
B00096353	Drill Core	2.47	73.78	15.93	0.15	<0.01	0.13	7.74	0.92	<0.01	0.26	0.14	<0.002	<20	<1	0.7	99.75	<1	126	<0.2	85.8
B00096354	Pulp	0.01	77.81	11.17	0.77	0.02	1.35	2.28	2.26	<0.01	1.16	0.30	0.003	<20	<1	1.4	98.55	14	571	0.9	659.3
B00096355	Drill Core	2.36	72.38	16.58	0.20	<0.01	0.16	8.80	0.63	<0.01	0.32	0.17	<0.002	<20	<1	0.5	99.76	1	150	0.3	50.6
B00096356	Drill Core	2.67	72.99	17.44	0.22	0.02	0.17	1.31	3.97	<0.01	0.31	0.15	<0.002	<20	<1	0.5	97.08	3	99	0.3	152.1
B00096357	Drill Core	2.54	72.19	16.98	0.44	0.02	0.23	3.83	2.61	<0.01	0.38	0.49	<0.002	<20	<1	1.0	98.17	2	183	0.4	140.0
B00096358	Drill Core	2.38	75.86	14.25	0.75	0.02	0.34	3.56	3.31	<0.01	0.10	0.11	<0.002	<20	2	0.7	99.00	6	12	0.4	194.6
B00096359	Drill Core	2.32	74.57	14.17	1.29	0.01	0.63	3.93	4.89	<0.01	0.01	0.08	<0.002	<20	4	0.3	99.89	7	4	0.2	88.9
B00096360	Pulp	0.09	97.79	0.67	0.10	0.04	0.03	<0.01	0.14	0.05	0.01	<0.01	<0.002	<20	<1	1.2	100.00	13	<1	<0.2	<0.1
B00096361	Drill Core	1.96	76.18	13.19	1.40	0.03	0.78	3.50	3.89	<0.01	0.04	0.03	<0.002	<20	2	0.9	99.90	31	14	0.6	91.5
B00096362	Drill Core	2.45	50.29	12.32	9.25	8.98	16.23	0.26	0.10	0.32	0.01	0.39	0.057	112	34	1.5	99.74	84	<1	38.7	2.1
B00096363	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.

# CERTIFICATE OF ANALYSIS

YVO1400007.1

Method	Analyte	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL
B00096339	Drill Core	26.6	0.1	41.5	2347.4	49	4.0	32.2	2.0	1.6	<8	1.8	1.6	0.2	0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096340	Drill Core	34.9	0.4	55.7	4441.7	70	4.2	50.0	1.8	2.6	<8	2.9	3.1	0.2	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096341	Drill Core	22.2	<0.1	23.5	3239.2	35	2.2	22.0	<0.2	0.3	<8	0.8	0.4	0.1	0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096342	Pulp	<0.5	1.6	1.0	3.6	<1	4.3	0.3	2.1	0.3	<8	<0.5	63.3	3.9	14.6	27.9	3.32	11.4	2.00	0.35	1.42	
B00096343	Drill Core	25.3	0.5	26.5	2689.1	44	2.4	31.4	0.7	1.1	<8	1.2	2.4	0.3	0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096344	Drill Core	25.2	0.7	44.7	1040.1	32	1.6	81.0	1.4	3.5	<8	1.1	3.4	<0.1	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096345	Drill Core	43.3	2.0	62.9	2101.6	159	2.6	138.7	5.1	19.9	<8	2.7	10.6	<0.1	0.2	0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096346	Drill Core	38.6	1.8	53.0	2741.7	91	2.7	89.4	3.2	4.7	<8	2.3	10.7	<0.1	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096347	Drill Core	41.1	2.1	65.1	3172.3	198	3.1	109.8	3.4	6.3	<8	2.0	12.2	<0.1	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096348	Drill Core	28.3	0.8	36.9	1540.2	60	0.8	72.9	1.0	2.1	<8	1.7	4.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096349	Drill Core	27.1	1.3	62.3	2589.3	77	2.2	81.2	3.0	3.4	<8	0.8	7.2	0.1	<0.1	0.1	<0.02	<0.3	<0.05	<0.02	0.06	
B00096350	Drill Core	27.7	5.2	65.8	1624.3	174	1.1	107.7	6.7	9.1	<8	1.0	29.1	0.3	<0.1	0.2	<0.02	<0.3	<0.05	<0.02	0.06	
B00096351	Drill Core	35.3	2.1	74.3	2192.3	228	1.6	149.1	2.4	4.9	<8	1.1	10.3	<0.1	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096352	Drill Core	30.9	1.5	116.8	2830.5	256	2.1	282.7	2.6	3.4	<8	1.9	8.0	<0.1	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096353	Drill Core	47.2	2.5	61.6	1123.3	269	3.1	191.3	2.4	3.9	<8	1.3	10.3	0.3	0.2	0.3	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096354	Pulp	37.2	2.3	80.8	3413.6	120	11.5	165.5	8.0	3.7	<8	5.5	18.4	15.3	8.9	18.7	2.60	10.3	2.35	0.35	2.30	
B00096355	Drill Core	42.1	2.4	69.2	594.0	230	3.2	220.5	2.7	3.9	<8	1.2	10.1	<0.1	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096356	Drill Core	29.1	1.3	34.0	3662.0	88	2.2	74.7	2.5	6.0	<8	1.1	7.6	<0.1	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096357	Drill Core	43.7	4.8	67.8	2731.2	385	2.7	146.3	6.3	8.6	<8	13.4	27.6	0.4	0.3	0.4	0.02	<0.3	<0.05	<0.02	0.07	
B00096358	Drill Core	21.2	2.3	22.4	2029.2	56	6.2	47.9	9.0	7.2	<8	2.0	22.7	16.2	5.6	12.0	1.53	5.9	1.96	0.03	2.62	
B00096359	Drill Core	15.5	2.7	11.1	420.5	8	11.9	2.2	13.2	8.1	<8	1.5	42.4	23.0	9.2	18.7	2.53	10.0	2.96	0.07	3.44	
B00096360	Pulp	<0.5	1.3	1.5	3.4	<1	3.6	0.6	1.5	<0.1	13	<0.5	53.8	3.1	11.9	25.7	2.99	11.1	1.89	0.34	1.30	
B00096361	Drill Core	14.2	1.9	9.1	814.3	18	29.5	2.2	12.5	6.1	<8	1.2	38.8	12.2	10.1	20.9	2.30	8.8	2.20	0.15	2.09	
B00096362	Drill Core	9.3	0.5	0.8	7.7	1	199.8	0.2	<0.2	<0.1	178	35.9	18.5	10.4	1.8	3.9	0.50	2.2	0.70	0.41	1.11	
B00096363	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	

# CERTIFICATE OF ANALYSIS

YVO1400007.1

Method	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01
B00096339	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.35	1226
B00096340	Drill Core	<0.01	0.07	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.63	1350
B00096341	Drill Core	<0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.30	450
B00096342	Pulp	0.17	0.80	0.15	0.40	0.05	0.39	0.05	<0.02	<0.02	<0.01	<0.01	40
B00096343	Drill Core	0.01	0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.48	677
B00096344	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.41	543
B00096345	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.28	1652
B00096346	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	0.55	1199
B00096347	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.34	609
B00096348	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.66	546
B00096349	Drill Core	<0.01	0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.28	341
B00096350	Drill Core	0.01	0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.66	444
B00096351	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.72	893
B00096352	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.14	340
B00096353	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.06	636
B00096354	Pulp	0.41	2.39	0.54	1.60	0.25	1.56	0.23	0.02	<0.02	0.06	0.51	9270
B00096355	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.05	203
B00096356	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.32	350
B00096357	Drill Core	0.01	0.07	<0.02	0.05	<0.01	0.06	<0.01	<0.02	<0.02	<0.01	0.77	771
B00096358	Drill Core	0.49	2.85	0.63	1.64	0.23	1.62	0.21	<0.02	0.03	0.02	0.44	1113
B00096359	Drill Core	0.62	3.81	0.80	2.18	0.33	2.16	0.33	<0.02	0.14	0.04	0.04	660
B00096360	Pulp	0.15	0.96	0.14	0.36	0.05	0.35	0.05	<0.02	<0.02	<0.01	<0.01	67
B00096361	Drill Core	0.36	1.85	0.48	1.14	0.18	1.29	0.21	<0.02	0.23	0.06	0.03	470
B00096362	Drill Core	0.23	1.46	0.38	0.96	0.16	1.06	0.15	0.08	0.12	<0.01	<0.01	288
B00096363	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.

## QUALITY CONTROL REPORT

YVO14000007.1

Method	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
B00096274	Drill Core	2.95	75.41	13.64	1.09	0.04	0.67	3.75	4.11	<0.01	0.06	0.07	<0.002	<20	3	0.8	99.68	123	14	1.0	306.9
B00096345	Drill Core	2.57	74.68	15.45	0.39	<0.01	0.15	5.41	1.94	<0.01	0.33	0.20	<0.002	<20	<1	0.7	99.25	2	218	<0.2	193.3
Pulp Duplicates																					
B00096253	Drill Core	2.24	68.64	17.60	0.48	<0.01	0.80	4.69	6.49	<0.01	0.65	0.03	<0.002	<20	1	0.4	99.81	79	72	1.5	502.1
REP B00096253	QC																				
B00096267	Drill Core	2.56	68.71	17.38	0.29	0.02	0.14	1.65	10.20	<0.01	0.32	0.06	<0.002	<20	<1	0.7	99.44	68	152	1.1	899.5
REP B00096267	QC																				
B00096276	Drill Core	1.58	75.05	14.01	0.90	0.03	0.58	3.24	4.82	<0.01	0.08	0.08	<0.002	<20	2	0.8	99.57	172	101	0.9	317.0
REP B00096276	QC		75.00	13.99	0.90	0.03	0.58	3.26	4.85	<0.01	0.10	0.08	<0.002	<20	2	0.8	99.57	186	130	0.6	335.3
B00096288	Pulp	0.08	98.24	0.66	0.11	0.03	0.03	0.01	0.15	0.05	<0.01	<0.01	<0.002	<20	<1	0.7	100.01	14	<1	0.5	<0.1
REP B00096288	QC																				
B00096302	Drill Core	2.64	73.08	17.39	0.16	<0.01	0.10	0.78	5.24	<0.01	0.23	0.07	<0.002	<20	<1	0.3	97.37	11	77	0.3	419.5
REP B00096302	QC																				
REP B00096309	QC																				
B00096311	Drill Core	2.72	75.67	16.31	0.27	<0.01	0.18	0.98	3.24	<0.01	0.27	0.10	<0.002	<20	<1	0.3	97.32	3	62	<0.2	483.4
REP B00096311	QC		75.56	16.33	0.25	<0.01	0.18	1.00	3.28	<0.01	0.27	0.09	<0.002	<20	<1	0.3	97.27	4	64	<0.2	470.7
B00096319	Drill Core	2.66	72.97	16.52	0.19	<0.01	0.07	1.35	5.39	<0.01	0.17	0.08	<0.002	<20	<1	1.1	97.85	6	76	<0.2	476.9
REP B00096319	QC																				
B00096323	Drill Core	2.47	72.13	16.68	0.35	<0.01	0.17	6.50	1.88	<0.01	0.37	0.25	<0.002	<20	<1	1.0	99.30	1	202	<0.2	482.7
REP B00096323	QC																				
B00096336	Pulp	0.01	65.55	20.16	0.23	0.04	0.15	1.76	2.76	<0.01	0.23	0.03	0.016	<20	<1	1.7	92.63	9	27	0.4	>10000
REP B00096336	QC		65.60	20.23	0.22	0.04	0.15	1.76	2.79	<0.01	0.24	0.03	0.016	<20	1	1.7	92.78	11	37	0.5	>10000
B00096337	Drill Core	2.74	74.27	16.53	0.20	0.01	0.11	2.54	2.61	<0.01	0.46	0.13	<0.002	<20	<1	0.6	97.46	2	143	0.3	359.3
REP B00096337	QC																				
B00096342	Pulp	0.08	98.98	0.68	0.08	0.04	0.03	<0.01	0.15	0.05	<0.01	<0.01	<0.002	<20	<1	0.0	100.00	16	1	0.4	0.2
REP B00096342	QC		98.96	0.67	0.09	0.04	0.03	0.01	0.14	0.05	0.02	<0.01	<0.002	<20	<1	0.0	99.99	13	<1	0.5	<0.1
B00096349	Drill Core	2.50	74.80	16.33	0.25	<0.01	0.09	2.35	2.81	<0.01	0.33	0.20	<0.002	<20	<1	0.1	97.26	3	126	<0.2	137.3
REP B00096349	QC																				
B00096358	Drill Core	2.38	75.86	14.25	0.75	0.02	0.34	3.56	3.31	<0.01	0.10	0.11	<0.002	<20	2	0.7	99.00	6	12	0.4	194.6

# QUALITY CONTROL REPORT

YVO14000007.1

Method	Analyte	Unit	MDL	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200		
				Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
				0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
B00096274	Drill Core			14.4	2.2	11.7	1304.8	20	33.2	6.0	12.9	5.4	<8	1.7	46.8	16.0	11.2	22.7	2.80	10.6	2.41	0.23	2.42
B00096345	Drill Core			43.3	2.0	62.9	2101.6	159	2.6	138.7	5.1	19.9	<8	2.7	10.6	<0.1	0.2	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
Pulp Duplicates																							
B00096253	Drill Core			37.6	1.5	27.5	2695.9	16	48.0	214.0	4.2	2.7	<8	<0.5	11.9	5.0	4.7	8.4	1.03	3.5	1.00	0.27	0.96
REP B00096253	QC																						
B00096267	Drill Core			30.2	0.4	56.6	9307.0	46	15.7	118.6	0.5	1.2	<8	2.1	1.5	0.6	0.8	0.9	0.11	0.4	0.10	0.03	0.16
REP B00096267	QC																						
B00096276	Drill Core			20.1	2.3	15.8	1936.1	23	43.2	21.3	13.6	5.1	12	1.6	42.9	12.6	11.3	27.2	2.88	11.1	2.62	0.27	2.15
REP B00096276	QC			20.2	2.3	14.1	1973.2	24	42.4	20.3	11.9	5.4	<8	1.9	41.8	13.7	13.4	24.1	2.86	11.1	2.37	0.28	2.34
B00096288	Pulp			2.5	1.7	1.5	4.1	<1	3.1	0.5	2.2	0.3	15	<0.5	72.3	3.4	12.7	22.6	2.76	9.8	1.74	0.25	1.06
REP B00096288	QC																						
B00096302	Drill Core			22.2	<0.1	10.2	4539.4	29	5.5	11.7	0.3	0.2	<8	0.9	1.0	0.5	0.4	0.3	0.03	<0.3	<0.05	<0.02	<0.05
REP B00096302	QC																						
REP B00096309	QC																						
B00096311	Drill Core			30.2	0.5	30.9	3223.9	53	3.5	49.6	0.7	1.3	<8	1.8	2.2	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05	
REP B00096311	QC			29.7	0.3	27.6	3201.3	57	3.6	43.8	0.9	2.9	<8	1.9	1.7	0.3	0.3	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096319	Drill Core			34.4	0.5	30.1	5376.3	70	6.4	46.0	1.8	1.5	<8	2.9	2.7	<0.1	0.3	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
REP B00096319	QC																						
B00096323	Drill Core			53.7	4.2	128.3	2456.1	202	4.3	241.2	6.4	10.7	<8	3.3	20.2	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
REP B00096323	QC																						
B00096336	Pulp			54.2	1.1	20.2	3872.0	62	22.3	69.7	1.0	2.9	<8	0.8	5.8	<0.1	0.2	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
REP B00096336	QC			54.1	1.2	18.9	3822.1	63	21.0	67.9	0.9	2.8	<8	<0.5	7.0	<0.1	0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096337	Drill Core			32.6	0.7	38.4	2571.7	63	3.9	116.2	2.0	3.1	<8	1.2	2.8	<0.1	<0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
REP B00096337	QC																						
B00096342	Pulp			<0.5	1.6	1.0	3.6	<1	4.3	0.3	2.1	0.3	<8	<0.5	63.3	3.9	14.6	27.9	3.32	11.4	2.00	0.35	1.42
REP B00096342	QC			<0.5	1.6	0.9	3.3	<1	4.4	0.1	2.2	0.3	<8	<0.5	67.3	3.5	15.0	27.4	3.62	13.8	2.32	0.39	1.40
B00096349	Drill Core			27.1	1.3	62.3	2589.3	77	2.2	81.2	3.0	3.4	<8	0.8	7.2	0.1	<0.1	0.1	<0.02	<0.3	<0.05	<0.02	0.06
REP B00096349	QC																						
B00096358	Drill Core			21.2	2.3	22.4	2029.2	56	6.2	47.9	9.0	7.2	<8	2.0	22.7	16.2	5.6	12.0	1.53	5.9	1.96	0.03	2.62

## QUALITY CONTROL REPORT

YVO14000007.1

Method	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	
B00096274	Drill Core	0.40	2.54	0.54	1.58	0.25	1.61	0.24	<0.02	0.05	0.03	0.12	2310	
B00096345	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.28	1652	
Pulp Duplicates														
B00096253	Drill Core	0.15	0.76	0.14	0.39	0.07	0.32	0.07	<0.02	<0.02	0.10	0.03	835	
REP B00096253	QC											0.03	891	
B00096267	Drill Core	0.01	0.07	<0.02	0.05	0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.17	2586	
REP B00096267	QC								<0.02	<0.02	0.06			
B00096276	Drill Core	0.36	2.20	0.43	1.19	0.17	1.16	0.18	<0.02	<0.02	0.03	0.15	1426	
REP B00096276	QC	0.41	2.46	0.45	1.38	0.19	1.34	0.18						
B00096288	Pulp	0.16	0.71	0.15	0.33	0.07	0.38	0.06	<0.02	<0.02	<0.01	<0.01	57	
REP B00096288	QC											<0.01	53	
B00096302	Drill Core	0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.25	841	
REP B00096302	QC								<0.02	<0.02	<0.01			
REP B00096309	QC												2629	
B00096311	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.31	1704	
REP B00096311	QC	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01						
B00096319	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.98	2545	
REP B00096319	QC												2799	
B00096323	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	0.24	3780	
REP B00096323	QC											0.24		
B00096336	Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.07	<0.02	<0.01	1.70	736	4.10
REP B00096336	QC	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01						4.07
B00096337	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.14	1510	
REP B00096337	QC								<0.02	<0.02	<0.01			
B00096342	Pulp	0.17	0.80	0.15	0.40	0.05	0.39	0.05	<0.02	<0.02	<0.01	<0.01	40	
REP B00096342	QC	0.17	0.95	0.12	0.39	0.06	0.36	0.05						
B00096349	Drill Core	<0.01	0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.28	341	
REP B00096349	QC												330	
B00096358	Drill Core	0.49	2.85	0.63	1.64	0.23	1.62	0.21	<0.02	0.03	0.02	0.44	1113	

# QUALITY CONTROL REPORT

YVO14000007.1

		WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs
		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm
		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1
REP B00096358	QC																				
B00096360	Pulp	0.09	97.79	0.67	0.10	0.04	0.03	<0.01	0.14	0.05	0.01	<0.01	<0.002	<20	<1	1.2	100.00	13	<1	<0.2	<0.1
REP B00096360	QC																				
B00096362	Drill Core	2.45	50.29	12.32	9.25	8.98	16.23	0.26	0.10	0.32	0.01	0.39	0.057	112	34	1.5	99.74	84	<1	38.7	2.1
REP B00096362	QC		50.21	12.38	9.23	9.02	16.20	0.27	0.11	0.33	0.03	0.39	0.058	113	35	1.5	99.75	83	1	40.3	1.8
Core Reject Duplicates																					
B00096271	Drill Core	2.22	69.23	16.82	0.10	0.01	0.18	2.26	9.96	<0.01	0.39	0.08	<0.002	<20	<1	0.7	99.72	60	73	0.3	814.3
DUP B00096271	QC		69.63	16.59	0.13	<0.01	0.16	2.24	9.75	<0.01	0.41	0.09	<0.002	<20	<1	0.7	99.70	54	57	0.5	808.8
B00096309	Drill Core	2.64	74.00	16.45	0.29	0.01	0.12	1.10	4.42	<0.01	0.32	0.12	<0.002	<20	<1	0.8	97.64	6	38	<0.2	540.8
DUP B00096309	QC		74.30	16.24	0.29	0.01	0.11	1.05	4.23	<0.01	0.32	0.12	<0.002	<20	<1	0.8	97.48	4	39	0.3	506.6
B00096347	Drill Core	2.40	72.39	16.56	0.30	<0.01	0.11	5.17	3.47	<0.01	0.33	0.18	<0.002	<20	<1	0.6	99.14	2	225	0.2	186.4
DUP B00096347	QC		72.39	16.52	0.30	<0.01	0.12	5.14	3.50	<0.01	0.34	0.18	<0.002	<20	<1	0.6	99.10	2	186	<0.2	185.4
Reference Materials																					
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD LI-1	Standard																				
STD LI-1	Standard																				
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STD LI-1	Standard																				



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 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: July 10, 2014

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Part: 2 of 3

# QUALITY CONTROL REPORT

YVO14000007.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
REP B00096358	QC																					
B00096360	Pulp	<0.5	1.3	1.5	3.4	<1	3.6	0.6	1.5	<0.1	13	<0.5	53.8	3.1	11.9	25.7	2.99	11.1	1.89	0.34	1.30	
REP B00096360	QC																					
B00096362	Drill Core	9.3	0.5	0.8	7.7	1	199.8	0.2	<0.2	<0.1	178	35.9	18.5	10.4	1.8	3.9	0.50	2.2	0.70	0.41	1.11	
REP B00096362	QC	9.5	0.5	0.4	7.7	<1	201.6	0.2	<0.2	<0.1	176	36.1	18.9	10.2	2.0	4.2	0.59	2.5	0.77	0.37	1.19	
Core Reject Duplicates																						
B00096271	Drill Core	29.1	0.9	21.8	8709.7	18	19.1	62.0	0.4	1.0	<8	0.8	4.4	0.3	0.6	1.0	0.08	<0.3	0.11	0.03	0.09	
DUP B00096271	QC	27.7	0.7	34.7	8328.7	39	17.3	90.8	0.5	1.4	<8	0.8	2.2	0.4	0.6	0.7	0.07	<0.3	0.06	<0.02	0.06	
B00096309	Drill Core	30.8	1.4	29.0	4093.3	129	6.6	46.0	1.3	3.5	<8	2.3	8.0	0.3	0.2	0.2	<0.02	<0.3	<0.05	<0.02	0.06	
DUP B00096309	QC	30.1	0.7	31.5	3854.9	134	5.7	47.1	1.2	2.2	<8	1.7	3.5	0.3	0.4	0.4	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096347	Drill Core	41.1	2.1	65.1	3172.3	198	3.1	109.8	3.4	6.3	<8	2.0	12.2	<0.1	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
DUP B00096347	QC	40.9	2.1	60.3	3231.1	240	2.8	105.2	4.0	5.4	<8	1.4	13.0	<0.1	0.3	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
Reference Materials																						
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
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STD GS910-4	Standard																					
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STD LI-1	Standard																					
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This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



## QUALITY CONTROL REPORT

YVO14000007.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%
		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01
REP B00096358	QC												0.38	
B00096360	Pulp	0.15	0.96	0.14	0.36	0.05	0.35	0.05	<0.02	<0.02	<0.01	<0.01	67	
REP B00096360	QC												67	
B00096362	Drill Core	0.23	1.46	0.38	0.96	0.16	1.06	0.15	0.08	0.12	<0.01	<0.01	288	
REP B00096362	QC	0.23	1.45	0.34	0.86	0.15	0.99	0.17	0.08	0.13	<0.01	<0.01		
Core Reject Duplicates														
B00096271	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	0.01	<0.02	<0.02	0.02	0.07	778	
DUP B00096271	QC	0.01	0.06	<0.02	0.04	0.01	<0.05	0.01	<0.02	<0.02	0.01	0.08	796	
B00096309	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	1.10	2950	
DUP B00096309	QC	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	1.19	2554	
B00096347	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.34	609	
DUP B00096347	QC	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.36	558	
Reference Materials														
STD 183	Standard												1.80	
STD 183	Standard												2.02	
STD 183	Standard												1.87	
STD 183	Standard												1.94	
STD GS311-1	Standard								1.01	2.44				
STD GS311-1	Standard								1.07	2.37				
STD GS311-1	Standard								1.06	2.30				
STD GS311-1	Standard								1.01	2.28				
STD GS910-4	Standard								2.68	8.39				
STD GS910-4	Standard								2.80	8.34				
STD GS910-4	Standard								2.82	8.03				
STD GS910-4	Standard								2.67	8.18				
STD LI-1	Standard												1.58	
STD LI-1	Standard												1.64	
STD LI-1	Standard												1.60	
STD LI-1	Standard												1.68	

# QUALITY CONTROL REPORT

YVO14000007.1

		WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD MICA-FE(D)	Standard																					
STD SO-18	Standard	58.19	14.06	7.63	3.39	6.34	3.69	2.13	0.69	0.78	0.40	0.533	37	24	1.9	99.75	464	<1	24.2	7.2		
STD SO-18	Standard	58.36	13.93	7.61	3.39	6.29	3.70	2.14	0.69	0.78	0.40	0.552	50	25	1.9	99.74	486	2	25.6	6.5		
STD SO-18	Standard	58.28	13.98	7.62	3.41	6.31	3.65	2.15	0.69	0.79	0.40	0.551	40	24	1.9	99.74	502	<1	27.2	6.8		
STD SO-18	Standard	58.17	14.20	7.67	3.39	6.12	3.67	2.17	0.68	0.78	0.39	0.545	41	24	1.9	99.69	505	<1	26.6	7.2		
STD SO-18	Standard	58.42	14.00	7.62	3.37	6.35	3.59	2.06	0.69	0.78	0.40	0.542	37	24	1.9	99.73	484	<1	24.7	5.6		
STD SO-18	Standard	58.17	14.11	7.68	3.39	6.41	3.58	2.07	0.69	0.79	0.40	0.533	39	24	1.9	99.73	482	<1	25.5	6.9		
STD SO-18	Standard	58.18	14.13	7.66	3.36	6.38	3.62	2.10	0.69	0.79	0.40	0.545	48	24	1.9	99.77	470	2	23.6	6.5		
STD SO-18	Standard	58.25	14.09	7.57	3.36	6.38	3.68	2.10	0.69	0.80	0.39	0.540	43	24	1.9	99.76	466	<1	24.2	6.7		
STD SO-18	Standard	58.33	13.99	7.54	3.35	6.34	3.72	2.14	0.69	0.79	0.39	0.549	40	24	1.9	99.75	465	<1	23.6	7.4		
STD SO-18	Standard	58.27	14.07	7.59	3.39	6.31	3.66	2.14	0.69	0.80	0.40	0.533	41	24	1.9	99.76	456	2	22.9	6.6		
STD SO-18	Standard	58.51	14.05	7.53	3.36	6.35	3.57	2.06	0.68	0.78	0.39	0.537	45	23	1.9	99.73	493	<1	25.2	6.6		
STD SO-18	Standard	57.97	14.16	7.68	3.42	6.44	3.63	2.10	0.70	0.80	0.40	0.533	52	24	1.9	99.74	461	1	24.5	6.6		
STD SO-18	Standard	58.20	14.14	7.56	3.39	6.36	3.62	2.11	0.69	0.80	0.40	0.550	44	24	1.9	99.72	502	1	26.3	6.4		
STD SO-18	Standard	58.20	14.09	7.60	3.39	6.36	3.65	2.11	0.69	0.77	0.40	0.545	44	24	1.9	99.72	514	2	27.0	7.0		
STD STSD-1	Standard																					
STD STSD-1	Standard																					
STD STSD-1	Standard																					
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 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: July 10, 2014

Page: 3 of 5

Part: 2 of 3

# QUALITY CONTROL REPORT

YVO1400007.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200		
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD MICA-FE(D)	Standard																					
STD SO-18	Standard	16.3	9.0	18.5	29.8	13	347.6	6.4	9.6	15.0	189	12.9	266.7	25.2	11.4	24.7	3.21	12.2	2.64	0.80	2.75	
STD SO-18	Standard	17.6	9.1	18.5	29.2	15	375.4	6.6	9.3	13.8	209	14.1	284.0	27.3	12.3	24.7	3.25	12.6	2.81	0.85	2.98	
STD SO-18	Standard	17.7	9.5	18.5	29.8	14	364.8	6.9	9.8	14.6	193	14.6	291.0	27.6	11.9	25.0	3.27	13.4	2.90	0.83	3.00	
STD SO-18	Standard	16.3	9.1	19.1	30.0	15	417.1	6.4	10.2	15.9	191	13.6	289.4	30.7	12.7	26.5	3.24	13.4	2.75	0.87	3.19	
STD SO-18	Standard	15.3	9.3	18.5	26.7	14	391.6	6.6	8.7	15.5	192	13.8	291.2	27.4	10.8	25.7	3.16	12.5	2.68	0.79	2.74	
STD SO-18	Standard	16.8	9.0	19.1	26.9	12	393.2	6.0	8.6	14.6	191	14.7	289.5	29.6	12.8	27.1	3.09	11.2	2.55	0.84	2.81	
STD SO-18	Standard	18.8	9.5	17.3	26.9	13	393.3	5.9	9.4	15.8	195	13.7	288.6	29.1	12.3	25.8	3.24	13.0	2.62	0.80	2.91	
STD SO-18	Standard	17.7	9.5	18.2	30.9	14	389.2	6.4	9.6	14.6	192	15.0	286.8	31.0	12.5	27.5	3.10	12.8	2.72	0.81	2.88	
STD SO-18	Standard	17.2	9.3	17.8	27.6	15	380.0	6.6	9.3	15.6	197	12.8	268.8	27.7	12.4	26.4	3.31	12.6	2.96	0.86	2.83	
STD SO-18	Standard	15.0	9.1	18.6	27.4	14	373.2	7.0	9.1	15.9	192	14.4	265.3	28.1	11.8	27.4	3.15	12.2	2.63	0.85	2.91	
STD SO-18	Standard	17.1	9.1	18.0	30.8	14	382.3	6.4	8.8	16.0	198	13.3	278.4	28.2	13.1	28.9	3.32	13.6	2.62	0.82	2.84	
STD SO-18	Standard	16.9	9.5	17.8	31.2	14	370.1	7.2	9.1	15.1	194	13.4	271.7	26.4	13.5	25.6	3.15	12.4	2.86	0.77	2.89	
STD SO-18	Standard	16.0	9.2	19.3	27.9	14	384.9	6.6	9.7	15.4	200	13.5	294.0	30.5	12.4	25.1	3.13	13.0	2.71	0.87	2.87	
STD SO-18	Standard	18.8	9.7	18.9	29.8	15	410.4	6.9	9.2	15.7	194	15.1	298.6	29.8	11.9	25.5	3.23	12.5	2.78	0.85	3.05	
STD STSD-1	Standard																					
STD STSD-1	Standard																					
STD STSD-1	Standard																					
STD STSD-1	Standard																					
STD STSD-1	Standard																					
STD STSD-1	Standard																					

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 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: July 10, 2014

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Part: 3 of 3

# QUALITY CONTROL REPORT

YVO14000007.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%
		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01
STD LIBF	Standard										4.37			
STD LIBF	Standard										4.17			
STD LIBF	Standard										4.26			
STD LIBF	Standard										4.47			
STD LIBF	Standard										4.26			
STD LIBF	Standard										4.69			
STD LIBF	Standard										4.21			
STD LIBF	Standard										4.28			
STD MICA-FE(D)	Standard													0.01
STD SO-18	Standard	0.46	2.68	0.56	1.68	0.24	1.57	0.23						
STD SO-18	Standard	0.48	2.90	0.59	1.62	0.25	1.73	0.27						
STD SO-18	Standard	0.51	2.98	0.62	1.75	0.28	1.71	0.27						
STD SO-18	Standard	0.49	2.97	0.63	1.82	0.26	1.67	0.26						
STD SO-18	Standard	0.46	3.04	0.59	1.73	0.27	1.68	0.26						
STD SO-18	Standard	0.47	2.80	0.57	1.79	0.24	1.69	0.26						
STD SO-18	Standard	0.49	2.98	0.63	1.91	0.32	1.81	0.25						
STD SO-18	Standard	0.48	2.79	0.64	1.78	0.26	1.70	0.27						
STD SO-18	Standard	0.48	2.93	0.64	1.83	0.24	1.66	0.27						
STD SO-18	Standard	0.48	2.79	0.58	1.77	0.27	1.76	0.27						
STD SO-18	Standard	0.48	2.92	0.54	1.85	0.25	1.63	0.26						
STD SO-18	Standard	0.47	2.66	0.59	1.78	0.26	1.72	0.25						
STD SO-18	Standard	0.49	2.96	0.60	1.69	0.24	1.68	0.26						
STD SO-18	Standard	0.48	2.72	0.59	1.61	0.24	1.59	0.25						
STD STSD-1	Standard												960	
STD STSD-1	Standard												980	
STD STSD-1	Standard												980	
STD STSD-1	Standard												959	
STD STSD-1	Standard												970	
STD STSD-1	Standard												990	





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Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: July 10, 2014

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Part: 2 of 3

# QUALITY CONTROL REPORT

YVO14000007.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200		
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
STD STSD-1	Standard																					
STD STSD-1	Standard																					
STD STSD-1	Standard																					
STD STSD-1	Standard																					
STD STSD-1	Standard																					
STD STSD-1	Standard																					
STD VS-N(D)	Standard																					
STD GS311-1 Expected																						
STD GS910-4 Expected																						
STD LI-1 Expected																						
STD 183 Expected																						
STD VS-N(D) Expected																						
STD SO-18 Expected		17.6	9.8	19.3	28.7	15	407.4	7.4	9.9	16.4	200	14.8	290	29	12.3	27.1	3.45	14	3	0.89	2.93	
STD STSD-1 Expected																						
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank	0.7	<0.1	<0.1	2.3	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	0.09	
BLK	Blank	<0.5	<0.1	<0.1	<0.1	<1	<0.5	0.5	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	

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 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: July 10, 2014

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# QUALITY CONTROL REPORT

YVO14000007.1

		LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%
		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01
STD STSD-1	Standard												985	
STD STSD-1	Standard												930	
STD STSD-1	Standard												1000	
STD STSD-1	Standard												990	
STD STSD-1	Standard												1030	
STD STSD-1	Standard												1034	
STD VS-N(D)	Standard													0.09
STD GS311-1 Expected								1.02	2.35					
STD GS910-4 Expected								2.65	8.27					
STD LI-1 Expected												1.53		
STD 183 Expected												1.91402		
STD VS-N(D) Expected														0.0942
STD SO-18 Expected		0.53	3	0.62	1.84	0.27	1.79	0.27						
STD STSD-1 Expected													950	
BLK	Blank							<0.02	<0.02					
BLK	Blank							<0.02	<0.02					
BLK	Blank							<0.02	<0.02					
BLK	Blank							<0.02	<0.02					
BLK	Blank											<0.01		
BLK	Blank											<0.01		
BLK	Blank											<0.01		
BLK	Blank											<0.01		
BLK	Blank											<0.01		
BLK	Blank											<0.01		
BLK	Blank											<0.01		
BLK	Blank											<0.01		
BLK	Blank											<0.01		
BLK	Blank											<0.01		
BLK	Blank											<0.01		
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01						
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01						

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 PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** July 10, 2014

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Part: 1 of 3

## QUALITY CONTROL REPORT

YVO14000007.1

		WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs
		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm
		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1
BLK	Blank		<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	<0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank		<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	<0.1
BLK	Blank																				
BLK	Blank		<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	<0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1	Prep Blank		67.08	16.33	3.39	1.10	3.64	3.65	3.57	0.39	0.17	0.10	<0.002	<20	5	0.3	99.73	957	4	5.0	5.6
G1	Prep Blank		67.66	16.04	3.10	0.99	3.47	3.58	3.60	0.38	0.15	0.09	<0.002	<20	5	0.7	99.75	952	2	4.7	6.1





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 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: July 10, 2014

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Part: 2 of 3

# QUALITY CONTROL REPORT

YVO1400007.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
BLK	Blank	<0.5	<0.1	<0.1	0.2	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.5	<0.1	<0.1	<0.1	<1	<0.5	0.4	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
BLK	Blank																				
BLK	Blank	<0.5	<0.1	0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	19.1	4.1	21.7	122.6	2	674.1	1.3	8.9	3.1	52	<0.5	143.8	15.6	35.6	61.0	7.07	26.1	4.14	1.04	3.28
G1	Prep Blank	19.3	4.0	23.4	123.1	2	656.1	1.4	8.8	2.9	49	<0.5	145.2	16.4	31.7	57.7	6.68	24.4	4.20	1.09	3.40

## QUALITY CONTROL REPORT

YVO1400007.1

		LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%
		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01						
BLK	Blank												49	
BLK	Blank												23	
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01						
BLK	Blank												<0.01	
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01						
BLK	Blank												10	
BLK	Blank												<10	
BLK	Blank												72	
BLK	Blank												47	
Prep Wash														
G1	Prep Blank	0.49	2.72	0.59	1.57	0.26	1.70	0.29	<0.02	<0.02	<0.01	<0.01	513	
G1	Prep Blank	0.47	2.86	0.53	1.56	0.25	1.75	0.30	<0.02	<0.02	<0.01	<0.01	517	



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Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
PHONE (604) 253-3158

Client: **Houston Lake Mining**  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

Submitted By: Garth Drever  
Receiving Lab: Canada-Val-d'Or  
Received: July 24, 2014  
Report Date: August 25, 2014  
Page: 1 of 5

## CERTIFICATE OF ANALYSIS

YVO14000007A.2

### CLIENT JOB INFORMATION

Project: None Given  
Shipment ID: 4  
P.O. Number  
Number of Samples: 114

### SAMPLE DISPOSAL

RTRN-PLP Return  
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Houston Lake Mining  
2736 Belisle Dr.  
Val Caron ON P3N 1B3  
CANADA

CC: Trevor Walker

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
8X	114	X-Ray Fluorescence / Single element Fusion		Completed	VAN

### ADDITIONAL COMMENTS

Version 2 : Revised Ta results and reporting unit.



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

Client: **Houston Lake Mining**

2736 Belisle Dr.

Val Caron ON P3N 1B3 CANADA

Project: None Given

Report Date: August 25, 2014

Page: 2 of 5

Part: 1 of 1

## CERTIFICATE OF ANALYSIS

YVO1400007A.2

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00096249	Drill Core	0.05	0.11	82
B00096250	Drill Core	0.07	0.13	24
B00096251	Drill Core	0.04	0.22	354
B00096252	Pulp	<0.01	<0.01	<10
B00096253	Drill Core	0.05	0.29	230
B00096254	Drill Core	0.07	0.14	14
B00096255	Drill Core	0.09	0.74	20
B00096256	Drill Core	0.09	0.70	71
B00096257	Drill Core	0.09	0.89	82
B00096258	Drill Core	0.09	0.93	73
B00096259	Drill Core	0.09	0.90	78
B00096260	Drill Core	0.11	0.99	67
B00096261	Drill Core	0.09	0.86	90
B00096262	Drill Core	0.10	0.99	58
B00096263	Drill Core	0.09	0.98	14
B00096264	Pulp	0.07	0.39	165
B00096265	Drill Core	0.10	0.94	174
B00096266	Drill Core	0.10	0.97	53
B00096267	Drill Core	0.10	0.96	120
B00096268	Drill Core	0.12	0.72	106
B00096269	Drill Core	0.12	0.88	86
B00096270	Pulp	<0.01	<0.01	<10
B00096271	Drill Core	0.08	0.87	73
B00096272	Drill Core	0.05	0.32	25
B00096273	Drill Core	0.06	0.55	148
B00096274	Drill Core	0.03	0.15	<10
B00096275	Drill Core	0.03	0.20	18
B00096276	Drill Core	0.03	0.21	24
B00096277	Drill Core	0.06	0.62	80
B00096278	Drill Core	0.13	0.74	60

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 25, 2014

**Page:** 3 of 5

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO1400007A.2

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00096279	Drill Core	0.09	0.90	26
B00096280	Drill Core	0.01	0.02	<10
B00096281	Drill Core	0.04	0.27	14
B00096282	Pulp	0.07	0.39	166
B00096283	Drill Core	0.05	0.35	46
B00096284	Drill Core	0.06	0.48	129
B00096285	Drill Core	0.03	0.27	22
B00096286	Drill Core	<0.01	0.03	<10
B00096287	Drill Core	0.05	0.45	19
B00096288	Pulp	<0.01	<0.01	<10
B00096289	Drill Core	0.03	0.36	16
B00096290	Drill Core	0.04	0.51	107
B00096291	Drill Core	0.05	0.27	47
B00096292	Drill Core	0.05	0.50	20
B00096293	Drill Core	0.04	0.34	10
B00096294	Drill Core	0.01	0.05	33
B00096295	Drill Core	0.05	0.51	21
B00096296	Drill Core	<0.01	0.04	43
B00096297	Drill Core	0.03	0.15	216
B00096298	Drill Core	0.05	0.81	27
B00096299	Drill Core	0.05	0.66	<10
B00096300	Pulp	1.96	0.55	80
B00096301	Drill Core	0.04	0.51	16
B00096302	Drill Core	0.04	0.46	14
B00096303	Drill Core	0.05	0.44	43
B00096304	Drill Core	0.05	0.49	36
B00096305	Drill Core	0.06	0.57	24
B00096306	Pulp	<0.01	<0.01	<10
B00096307	Drill Core	0.04	0.36	71
B00096308	Drill Core	0.05	0.39	81

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 25, 2014

**Page:** 4 of 5

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO1400007A.2

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00096309	Drill Core	0.06	0.44	44
B00096310	Drill Core	0.07	0.63	34
B00096311	Drill Core	0.05	0.34	50
B00096312	Drill Core	0.03	0.23	35
B00096313	Drill Core	0.03	0.25	12
B00096314	Drill Core	0.04	0.19	89
B00096315	Drill Core	0.02	0.07	163
B00096316	Drill Core	0.02	0.25	50
B00096317	Drill Core	<0.01	0.02	276
B00096318	Pulp	0.08	0.40	164
B00096319	Drill Core	0.05	0.61	43
B00096320	Drill Core	0.05	0.42	177
B00096321	Drill Core	0.06	0.51	104
B00096322	Drill Core	0.05	0.40	78
B00096323	Drill Core	0.05	0.28	167
B00096324	Pulp	<0.01	<0.01	<10
B00096325	Drill Core	0.06	0.34	108
B00096326	Drill Core	0.11	0.65	161
B00096327	Drill Core	0.07	0.30	123
B00096328	Drill Core	0.06	0.29	82
B00096329	Drill Core	0.07	0.38	81
B00096330	Drill Core	0.03	0.38	14
B00096331	Drill Core	0.07	0.54	91
B00096332	Drill Core	0.04	0.26	108
B00096333	Drill Core	0.04	0.42	28
B00096334	Drill Core	0.04	0.21	180
B00096335	Drill Core	0.03	0.19	75
B00096336	Pulp	3.84	0.45	66
B00096337	Drill Core	0.04	0.30	118
B00096338	Drill Core	0.02	0.33	119

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 25, 2014

**Page:** 5 of 5

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO1400007A.2

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00096339	Drill Core	0.02	0.27	33
B00096340	Drill Core	0.03	0.51	61
B00096341	Drill Core	0.02	0.37	20
B00096342	Pulp	<0.01	<0.01	<10
B00096343	Drill Core	0.02	0.30	30
B00096344	Drill Core	0.01	0.13	83
B00096345	Drill Core	0.01	0.18	84
B00096346	Drill Core	0.02	0.25	137
B00096347	Drill Core	0.02	0.31	105
B00096348	Drill Core	0.02	0.37	111
B00096349	Drill Core	0.02	0.30	70
B00096350	Drill Core	0.01	0.19	118
B00096351	Drill Core	0.02	0.27	160
B00096352	Drill Core	0.02	0.33	286
B00096353	Drill Core	<0.01	0.13	266
B00096354	Pulp	0.07	0.40	169
B00096355	Drill Core	<0.01	0.07	245
B00096356	Drill Core	0.01	0.42	79
B00096357	Drill Core	0.02	0.32	173
B00096358	Drill Core	0.02	0.23	56
B00096359	Drill Core	<0.01	0.05	<10
B00096360	Pulp	<0.01	<0.01	<10
B00096361	Drill Core	0.01	0.08	<10
B00096362	Drill Core	<0.01	<0.01	<10

## QUALITY CONTROL REPORT

YVO1400007A.2

Method	LF700	LF700	LF700	
Analyte	Cs	Rb	Ta	
Unit	%	%	ppm	
MDL	0.01	0.01	10	
Pulp Duplicates				
B00096249	Drill Core	0.05	0.11	82
REP B00096249	QC	0.05	0.11	73
B00096297	Drill Core	0.03	0.15	216
REP B00096297	QC	0.02	0.15	240
B00096333	Drill Core	0.04	0.42	28
REP B00096333	QC	0.03	0.42	39
B00096362	Drill Core	<0.01	<0.01	<10
REP B00096362	QC	<0.01	<0.01	<10
Reference Materials				
STD MICA-FE(D)	Standard	0.01	0.21	34
STD MICA-FE(D)	Standard	0.02	0.21	37
STD MICA-FE(D)	Standard	0.02	0.21	44
STD MICA-FE(D)	Standard	0.01	0.21	40
STD VS-N(D)	Standard	0.09	0.08	665
STD VS-N(D)	Standard	0.09	0.08	657
STD VS-N(D)	Standard	0.09	0.08	684
STD VS-N(D)	Standard	0.09	0.08	663
STD VS-N(D) Expected		0.0942		
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	<10



## CERTIFICATE OF ANALYSIS

YVO14000008.1

### CLIENT JOB INFORMATION

Project: None Given  
Shipment ID: 5  
P.O. Number  
Number of Samples: 242

### SAMPLE DISPOSAL

RTRN-PLP Return  
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
CRUPR	215	Primary crushing entire sample of whole core			YVO
SPTRF	215	Split samples by riffle splitter			YVO
PRP70-250	215	Crush, split and pulverize 250 g rock to 200 mesh			YVO
PULCB	215	Pulverize Ceramic bowl			VAN
PULSW	215	Extra Wash with Glass between each sample			VAN
LF200	242	Total Whole Rock Characterization	0.2	Completed	VAN
PF370-B	242	Na2O2 fusion digestion, analysis by ICP-ES	0.25	Completed	VAN
PF370-Li	242	Na2O2 fusion, analysis by ICP-ES	0.25	Completed	VAN
GC840	242	Trace level F by specific ion electrode	0.2	Completed	VAN
8X	7	X-Ray Fluorescence / Single element Fusion		Completed	VAN

### ADDITIONAL COMMENTS

Invoice To: Houston Lake Mining  
2736 Belisle Dr.  
Val Caron ON P3N 1B3  
CANADA

CC: Trevor Walker



# CERTIFICATE OF ANALYSIS

YVO14000008.1

Method	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
B00096389	Drill Core	1.97	75.42	13.67	1.29	0.03	0.39	3.47	2.86	0.01	0.19	0.13	<0.002	<20	2	1.2	98.71	154	138	0.3	741.7
B00096390	Pulp	0.01	68.76	18.54	0.62	0.05	0.18	2.24	4.02	<0.01	0.26	0.03	0.031	33	<1	1.1	95.81	12	35	1.3	>10000
B00096391	Drill Core	1.12	72.02	16.63	0.34	<0.01	0.52	8.69	0.32	<0.01	0.47	0.14	<0.002	<20	<1	0.6	99.76	6	19	0.3	65.9
B00096392	Drill Core	2.09	72.38	15.01	1.01	0.02	0.88	3.55	2.78	<0.01	0.70	0.25	<0.002	<20	2	1.5	98.07	55	180	0.5	913.9
B00096393	Drill Core	2.57	74.64	14.49	0.53	<0.01	0.44	4.82	1.62	<0.01	0.46	0.18	<0.002	<20	<1	1.5	98.70	4	562	0.2	479.9
B00096394	Drill Core	2.70	71.58	15.62	0.43	0.01	0.80	5.41	1.83	<0.01	0.76	0.26	<0.002	<20	<1	1.8	98.50	13	404	0.4	534.5
B00096395	Drill Core	2.23	74.57	14.04	0.39	0.02	0.32	2.91	2.94	<0.01	0.44	0.20	<0.002	<20	<1	2.1	97.90	17	641	0.4	920.6
B00096396	Pulp	0.09	98.17	0.68	0.04	0.04	0.03	0.02	0.16	0.05	<0.01	<0.01	<0.002	<20	<1	0.8	100.01	16	<1	<0.2	1.0
B00096397	Drill Core	3.55	86.14	8.48	0.16	0.04	0.07	0.25	2.01	<0.01	0.13	0.08	<0.002	<20	<1	0.8	98.18	18	50	<0.2	555.7
B00096398	Drill Core	2.23	75.61	16.14	0.31	0.02	0.06	0.39	1.37	<0.01	0.09	0.11	<0.002	<20	<1	1.5	95.56	8	316	<0.2	629.4
B00096399	Drill Core	2.38	77.94	14.70	0.15	0.05	0.16	0.39	1.78	<0.01	0.12	0.08	<0.002	<20	<1	0.9	96.29	22	40	<0.2	467.2
B00096585	Drill Core	2.40	80.11	11.23	0.23	0.02	0.11	1.42	3.11	<0.01	0.30	0.14	<0.002	<20	<1	1.3	97.99	22	136	<0.2	880.8
B00096586	Drill Core	2.39	68.53	17.37	0.07	<0.01	0.08	2.19	10.12	<0.01	0.27	0.03	<0.002	<20	<1	0.8	99.44	66	68	0.2	753.6
B00096587	Drill Core	2.59	68.79	16.86	0.12	<0.01	0.07	1.07	8.46	<0.01	0.43	0.12	<0.002	<20	<1	2.1	98.01	66	234	0.3	1323.3
B00096588	Drill Core	0.97	69.39	16.38	0.18	<0.01	0.09	1.64	6.24	<0.01	0.61	0.17	<0.002	<20	<1	2.5	97.21	34	312	<0.2	1260.8
B00096589	Drill Core	2.23	73.85	14.21	0.22	<0.01	0.04	0.93	4.34	<0.01	0.47	0.21	<0.002	<20	<1	2.6	96.88	10	375	0.4	1380.8
B00096590	Drill Core	2.62	71.12	15.68	0.11	<0.01	0.08	1.92	7.51	<0.01	0.28	0.10	<0.002	<20	<1	1.7	98.54	42	133	<0.2	823.5
B00096591	Drill Core	2.42	64.64	19.07	0.13	0.01	0.11	2.00	9.38	<0.01	0.35	0.13	<0.002	<20	<1	2.2	98.04	62	170	<0.2	1093.5
B00096592	Drill Core	1.39	68.11	17.19	0.16	<0.01	0.09	1.80	7.01	<0.01	0.70	0.16	<0.002	<20	<1	2.2	97.45	35	74	<0.2	1210.7
B00096593	Drill Core	2.47	74.54	13.61	0.19	<0.01	0.07	1.19	5.60	<0.01	0.48	0.14	<0.002	<20	<1	1.9	97.76	43	278	<0.2	1056.7
B00096594	Pulp	0.01	77.74	10.97	0.65	0.02	1.31	2.19	2.24	<0.01	1.13	0.29	0.002	<20	<1	1.5	98.07	11	521	0.9	661.5
B00096595	Drill Core	2.17	76.08	13.17	0.20	<0.01	0.06	1.12	4.62	<0.01	0.47	0.16	<0.002	<20	<1	1.8	97.64	27	142	0.3	1115.4
B00096596	Drill Core	2.00	77.13	12.48	0.17	<0.01	0.03	0.49	3.98	<0.01	0.31	0.18	<0.002	<20	<1	2.6	97.37	8	280	0.2	1222.6
B00096597	Drill Core	2.53	66.55	18.37	0.24	<0.01	0.12	2.44	9.87	<0.01	0.31	0.05	<0.002	<20	<1	1.2	99.18	70	116	0.2	887.0
B00096598	Drill Core	3.20	75.72	13.56	1.05	0.04	0.62	3.44	4.54	<0.01	0.01	0.06	<0.002	<20	3	0.6	99.66	196	8	<0.2	419.9
B00096599	Drill Core	2.73	80.87	9.63	0.26	0.03	0.19	0.87	2.91	<0.01	1.66	0.13	<0.002	<20	<1	1.5	98.03	33	214	0.3	716.8
B00096600	Pulp	0.09	98.64	0.68	0.11	0.04	0.03	0.01	0.16	0.05	0.01	<0.01	<0.002	<20	<1	0.3	100.01	14	2	0.5	1.4
B00096601	Drill Core	2.29	85.20	6.99	0.16	0.01	0.05	0.23	1.74	<0.01	1.81	0.09	<0.002	<20	<1	1.7	97.98	5	690	0.3	751.3
B00096602	Drill Core	2.19	83.79	8.64	0.19	0.02	0.07	0.64	2.39	<0.01	0.74	0.13	<0.002	<20	<1	1.5	98.10	8	469	0.5	905.5
B00096603	Drill Core	2.37	79.07	11.23	0.35	0.01	0.17	1.01	4.38	<0.01	0.38	0.15	<0.002	<20	<1	1.7	98.43	19	186	<0.2	781.1

# CERTIFICATE OF ANALYSIS

YVO14000008.1

Method Analyte Unit MDL	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
B00096389	Drill Core	27.0	2.4	33.8	3070.9	139	36.4	46.2	13.6	10.7	<8	8.8	40.5	11.9	13.0	27.6	3.22	12.2	2.41	0.24	2.16
B00096390	Pulp	56.9	1.1	19.8	4883.6	60	21.1	70.0	1.1	3.1	<8	1.1	7.6	0.1	0.3	0.2	0.04	<0.3	<0.05	<0.02	<0.05
B00096391	Drill Core	44.1	1.9	70.8	263.2	68	20.6	130.4	1.1	5.2	<8	1.3	10.1	1.6	2.2	3.5	0.35	1.1	0.21	0.12	0.22
B00096392	Drill Core	33.0	2.4	52.5	4191.7	99	23.8	86.1	11.7	4.2	<8	9.6	34.5	14.7	13.3	28.4	3.32	12.5	2.81	0.37	2.86
B00096393	Drill Core	49.6	2.5	103.3	2415.5	120	19.0	163.8	5.3	4.1	<8	4.0	15.2	2.5	1.6	3.6	0.40	1.4	0.44	0.10	0.37
B00096394	Drill Core	53.9	2.2	105.2	2869.9	75	31.0	175.2	4.5	5.6	<8	5.8	12.6	4.1	2.9	6.1	0.77	2.9	0.65	0.12	0.68
B00096395	Drill Core	50.0	1.5	80.4	4139.6	74	7.9	156.3	2.2	3.6	<8	5.1	8.2	2.9	2.1	4.3	0.48	1.9	0.34	0.09	0.39
B00096396	Pulp	4.2	1.5	2.0	5.3	<1	4.1	0.2	2.7	0.3	<8	1.0	60.0	3.9	13.8	27.5	3.48	12.3	1.99	0.36	1.44
B00096397	Drill Core	21.1	0.2	15.4	2549.9	39	3.8	27.9	0.2	0.3	<8	2.8	1.4	1.7	1.1	0.9	0.07	0.4	<0.05	<0.02	0.11
B00096398	Drill Core	28.3	0.2	39.0	2248.5	95	3.0	36.6	1.6	1.1	<8	3.9	3.7	15.0	1.1	1.0	0.13	1.0	0.75	0.02	1.52
B00096399	Drill Core	19.3	0.5	14.5	2113.0	54	5.7	35.1	2.1	1.3	<8	2.1	6.9	2.1	2.2	3.8	0.42	1.3	0.38	0.03	0.35
B00096585	Drill Core	43.3	1.5	40.1	4680.5	193	7.3	88.7	4.5	3.5	<8	5.0	13.9	11.2	2.9	4.5	0.48	1.8	0.65	0.06	1.46
B00096586	Drill Core	29.5	4.5	11.3	8884.2	38	13.9	16.8	0.4	1.3	<8	0.8	103.9	4.3	1.7	2.3	0.25	1.3	0.41	<0.02	0.53
B00096587	Drill Core	55.9	1.2	24.2	9605.4	173	12.4	64.1	0.4	1.8	<8	3.5	4.6	0.1	0.3	<0.1	0.03	<0.3	<0.05	<0.02	<0.05
B00096588	Drill Core	59.7	7.4	34.5	8097.0	326	30.0	104.2	0.8	3.6	<8	5.2	27.9	0.3	0.3	0.5	0.04	<0.3	0.05	<0.02	<0.05
B00096589	Drill Core	69.4	1.4	69.4	6949.0	276	5.7	205.2	0.4	2.5	<8	6.5	5.4	0.2	0.2	0.3	0.03	<0.3	<0.05	<0.02	<0.05
B00096590	Drill Core	41.7	0.7	27.7	7946.6	346	11.2	72.7	0.7	2.5	<8	3.8	3.8	2.9	0.8	0.8	0.04	<0.3	0.09	<0.02	0.37
B00096591	Drill Core	49.7	1.1	39.8	9641.8	212	18.4	102.5	0.8	1.6	<8	4.4	7.0	0.9	1.1	0.6	<0.02	<0.3	<0.05	<0.02	0.08
B00096592	Drill Core	57.5	1.2	39.6	8538.5	271	20.5	107.7	0.7	2.3	<8	5.9	5.4	0.3	0.4	0.3	0.04	<0.3	<0.05	<0.02	<0.05
B00096593	Drill Core	49.7	0.8	43.2	6867.9	281	14.2	116.7	0.4	1.6	<8	4.4	3.2	0.2	0.3	0.3	0.04	<0.3	<0.05	<0.02	<0.05
B00096594	Pulp	38.6	2.3	78.1	3347.1	107	12.1	151.0	7.3	4.3	<8	5.4	17.9	14.7	7.5	21.2	2.59	10.5	2.51	0.32	2.30
B00096595	Drill Core	56.3	1.8	33.6	6225.7	403	6.1	98.6	1.0	2.4	<8	4.8	6.5	0.4	0.3	0.6	0.08	<0.3	0.06	<0.02	0.07
B00096596	Drill Core	64.8	0.6	50.3	5947.9	151	1.9	132.1	0.7	1.4	<8	5.1	3.3	0.2	0.2	0.5	0.05	<0.3	0.06	<0.02	<0.05
B00096597	Drill Core	36.9	0.5	8.9	8458.4	45	13.7	32.6	2.0	1.6	<8	1.4	5.9	1.5	2.0	3.6	0.39	1.5	0.32	0.04	0.30
B00096598	Drill Core	14.9	2.3	9.2	1087.1	12	49.9	2.2	15.5	5.7	<8	2.5	49.1	13.0	15.2	30.5	3.41	13.2	2.65	0.28	2.61
B00096599	Drill Core	34.0	1.1	25.6	3638.3	139	9.0	78.8	3.6	2.9	<8	3.4	10.0	3.4	3.2	6.0	0.68	2.5	0.64	0.07	0.68
B00096600	Pulp	0.9	1.4	1.0	7.4	<1	3.4	0.4	1.9	0.3	<8	<0.5	56.4	3.3	13.8	26.7	3.22	12.2	1.92	0.33	1.27
B00096601	Drill Core	28.5	0.4	22.0	2789.2	168	4.4	58.5	0.6	1.6	<8	2.9	2.4	1.0	1.7	3.2	0.28	1.1	0.27	0.04	0.30
B00096602	Drill Core	41.4	0.6	53.8	3681.2	92	3.6	133.0	0.6	2.9	<8	4.0	3.2	2.4	7.4	14.6	1.42	4.9	1.16	0.18	1.01
B00096603	Drill Core	37.7	1.1	27.1	5137.7	83	7.6	64.4	4.3	1.6	<8	3.8	10.8	2.5	3.3	6.4	0.71	2.3	0.54	0.05	0.49

# CERTIFICATE OF ANALYSIS

YVO14000008.1

Method Analyte	Unit	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
B00096389	Drill Core	0.33	1.85	0.37	1.08	0.17	1.16	0.18	<0.02	0.05	0.13	0.32	7438		
B00096390	Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.07	<0.02	<0.01	1.10	750	2.09	0.57
B00096391	Drill Core	0.03	0.18	0.04	0.09	0.02	0.15	0.03	<0.02	<0.02	0.11	0.05	1432		
B00096392	Drill Core	0.45	2.52	0.59	1.52	0.25	1.59	0.23	<0.02	<0.02	0.19	0.45	>10000		
B00096393	Drill Core	0.07	0.40	0.09	0.23	0.05	0.27	0.04	<0.02	<0.02	0.15	0.28	6785		
B00096394	Drill Core	0.12	0.64	0.16	0.53	0.08	0.43	0.07	<0.02	<0.02	0.11	0.35	9101		
B00096395	Drill Core	0.08	0.46	0.11	0.36	0.05	0.31	0.06	<0.02	<0.02	0.08	0.55	>10000		
B00096396	Pulp	0.16	0.87	0.16	0.50	0.07	0.41	0.07	<0.02	<0.02	<0.01	<0.01	56		
B00096397	Drill Core	0.03	0.22	0.03	0.09	0.02	0.10	0.01	<0.02	<0.02	0.02	0.66	5398		
B00096398	Drill Core	0.38	2.71	0.60	1.82	0.26	1.59	0.18	<0.02	<0.02	0.04	1.80	6488		
B00096399	Drill Core	0.06	0.37	0.07	0.17	0.03	0.18	0.02	<0.02	<0.02	0.03	1.56	4271		
B00096585	Drill Core	0.33	2.31	0.52	1.40	0.19	0.92	0.11	<0.02	<0.02	0.04	0.50	>10000		
B00096586	Drill Core	0.12	0.89	0.24	0.70	0.11	0.68	0.11	<0.02	<0.02	0.01	0.12	3061		
B00096587	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	0.48	>10000		
B00096588	Drill Core	<0.01	<0.05	<0.02	<0.03	0.01	0.09	0.01	<0.02	<0.02	0.02	0.69	>10000		
B00096589	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.75	>10000		
B00096590	Drill Core	0.08	0.67	0.15	0.34	0.05	0.22	0.03	<0.02	<0.02	<0.01	0.37	8698		
B00096591	Drill Core	0.01	0.16	0.03	0.05	0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.49	>10000	0.11	1.06
B00096592	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.66	>10000		
B00096593	Drill Core	<0.01	<0.05	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.55	>10000		
B00096594	Pulp	0.40	2.48	0.57	1.76	0.24	1.61	0.26	<0.02	<0.02	0.06	0.46	>10000		
B00096595	Drill Core	<0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.61	>10000		
B00096596	Drill Core	0.01	0.06	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.68	>10000		
B00096597	Drill Core	0.04	0.24	0.06	0.13	0.02	0.12	0.02	<0.02	<0.02	0.04	0.19	4581		
B00096598	Drill Core	0.44	2.59	0.48	1.55	0.22	1.44	0.22	<0.02	<0.02	0.06	0.06	2225		
B00096599	Drill Core	0.10	0.53	0.11	0.32	0.06	0.38	0.05	<0.02	<0.02	0.02	0.51	>10000		
B00096600	Pulp	0.16	0.77	0.15	0.36	0.07	0.37	0.05	<0.02	<0.02	<0.01	<0.01	77		
B00096601	Drill Core	0.04	0.16	0.03	0.05	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.48	>10000		
B00096602	Drill Core	0.11	0.44	0.06	0.10	0.02	0.08	0.01	<0.02	<0.02	0.01	0.46	>10000		
B00096603	Drill Core	0.08	0.32	0.08	0.25	0.03	0.18	0.04	<0.02	<0.02	0.07	0.38	>10000		

# CERTIFICATE OF ANALYSIS

YVO14000008.1

Method	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
B00096604	Drill Core	2.54	77.93	11.30	0.14	<0.01	0.10	1.23	4.84	<0.01	1.69	0.06	<0.002	<20	<1	1.3	98.63	31	178	0.3	650.5
B00096605	Drill Core	2.17	77.76	11.39	0.19	<0.01	0.12	0.64	3.61	<0.01	1.31	0.14	<0.002	<20	<1	2.3	97.45	17	847	0.3	1172.4
B00096606	Drill Core	2.98	77.02	12.38	0.29	0.02	0.16	0.81	4.94	<0.01	0.49	0.16	<0.002	<20	<1	1.8	98.03	29	66	0.3	960.8
B00096607	Drill Core	2.57	68.92	16.79	0.14	0.01	0.13	2.39	7.15	<0.01	0.67	0.11	<0.002	<20	<1	2.2	98.49	38	40	<0.2	998.5
B00096608	Drill Core	1.32	70.36	16.87	0.23	<0.01	0.19	2.76	5.28	<0.01	0.28	0.17	<0.002	<20	<1	1.8	97.96	25	49	<0.2	1100.5
B00096609	Drill Core	2.54	71.40	16.08	0.25	<0.01	0.24	3.85	4.27	<0.01	0.37	0.16	<0.002	<20	<1	1.5	98.17	19	170	0.3	988.9
B00096610	Drill Core	2.49	67.33	17.89	0.14	<0.01	0.14	3.26	8.31	<0.01	0.41	0.08	<0.002	<20	<1	1.3	98.88	42	22	0.3	1077.6
B00096611	Drill Core	2.87	69.73	16.60	0.16	<0.01	0.15	2.11	9.63	<0.01	0.37	0.06	<0.002	<20	<1	0.7	99.52	46	83	0.2	875.5
B00096612	Drill Core	0.94	69.99	17.20	0.25	<0.01	0.13	2.89	5.08	<0.01	0.30	0.17	<0.002	<20	<1	1.8	97.87	27	19	0.3	1081.8
B00096613	Drill Core	1.73	74.72	14.86	0.29	0.01	0.19	4.74	4.01	<0.01	0.15	0.06	<0.002	<20	<1	0.5	99.55	44	113	0.3	311.1
B00096614	Drill Core	2.57	72.81	16.36	0.18	<0.01	0.21	8.19	0.73	<0.01	0.36	0.18	<0.002	<20	<1	0.5	99.57	3	174	0.3	155.3
B00096615	Drill Core	2.60	69.75	17.60	0.32	<0.01	0.23	6.05	4.59	<0.01	0.27	0.08	<0.002	<20	<1	0.5	99.41	25	468	0.3	358.6
B00096616	Drill Core	2.77	73.76	14.64	0.75	0.03	0.35	3.68	4.00	<0.01	0.23	0.07	<0.002	<20	2	1.4	98.90	122	11	0.2	665.9
B00096617	Drill Core	1.69	71.80	15.90	0.20	<0.01	0.10	2.03	8.99	<0.01	0.22	0.03	<0.002	<20	<1	0.3	99.59	65	193	<0.2	551.3
B00096618	Pulp	0.01	65.99	20.61	0.24	0.04	0.16	1.76	2.76	<0.01	0.26	0.03	0.015	<20	1	1.1	92.92	11	24	0.5	>10000
B00096619	Drill Core	2.91	72.37	15.83	0.37	0.01	0.24	2.40	7.39	<0.01	0.24	0.05	<0.002	<20	<1	0.5	99.43	57	33	<0.2	588.9
B00096620	Drill Core	2.39	69.91	17.49	0.31	0.01	0.30	5.52	4.35	<0.01	0.43	0.13	<0.002	<20	<1	1.0	99.42	24	187	0.3	371.5
B00096621	Drill Core	2.58	71.53	17.14	0.46	0.01	0.30	7.53	1.08	<0.01	0.39	0.15	<0.002	<20	<1	0.7	99.29	4	66	0.4	212.2
B00096622	Drill Core	2.57	73.08	15.57	0.68	0.02	0.39	5.38	2.48	<0.01	0.27	0.12	<0.002	<20	1	1.2	99.17	80	103	0.3	345.5
B00096623	Drill Core	2.53	75.61	13.42	1.04	0.04	0.67	3.38	4.61	<0.01	0.04	0.06	<0.002	<20	3	0.8	99.65	205	5	0.2	292.4
B00096624	Pulp	0.09	98.17	0.68	0.07	0.04	0.03	0.02	0.15	0.05	0.01	<0.01	<0.002	<20	<1	0.8	100.00	13	<1	<0.2	2.6
B00096625	Drill Core	2.66	75.48	13.50	1.08	0.04	0.64	3.47	4.43	<0.01	0.02	0.06	<0.002	<20	3	0.8	99.55	207	8	0.5	325.3
B00096626	Drill Core	2.59	73.04	15.68	0.25	0.01	0.14	2.25	5.58	<0.01	0.23	0.08	<0.002	<20	<1	1.1	98.33	68	109	0.6	597.0
B00096627	Drill Core	2.25	72.68	15.53	0.56	0.02	0.34	4.55	3.61	<0.01	0.31	0.10	<0.002	<20	1	1.1	98.81	77	334	0.4	629.2
B00096628	Drill Core	1.16	74.16	14.48	0.31	0.02	0.17	2.76	5.13	<0.01	0.31	0.13	<0.002	<20	<1	1.1	98.59	41	335	<0.2	815.1
B00096629	Drill Core	2.99	74.37	13.75	0.28	0.01	0.54	2.19	5.45	<0.01	0.63	0.19	<0.002	<20	<1	1.1	98.46	35	293	0.3	820.7
B00096630	Drill Core	0.84	75.98	13.42	0.34	0.01	0.34	2.60	4.18	<0.01	0.40	0.16	<0.002	<20	<1	1.1	98.57	29	154	<0.2	749.0
B00096631	Drill Core	2.66	74.48	14.07	0.31	0.02	0.14	1.89	5.67	<0.01	0.24	0.14	<0.002	<20	<1	1.2	98.20	34	96	0.4	973.2
B00096632	Drill Core	2.27	69.71	16.18	0.20	0.02	0.33	2.05	8.57	<0.01	0.42	0.12	<0.002	<20	<1	1.3	98.90	84	93	0.3	845.8
B00096633	Drill Core	2.45	76.38	13.15	0.27	0.02	0.22	2.20	5.17	<0.01	0.32	0.09	<0.002	<20	<1	1.1	98.88	53	908	<0.2	701.7

# CERTIFICATE OF ANALYSIS

YVO1400008.1

Method Analyte Unit MDL		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd		
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05		
B00096604	Drill Core	29.3	0.3	10.8	4898.6	48	49.8	30.8	0.3	1.2	<8	2.2	1.7	0.3	0.8	1.0	0.09	<0.3	<0.05	<0.02	<0.05		
B00096605	Drill Core	49.8	0.5	21.9	5057.5	78	42.0	64.6	1.4	2.4	<8	3.6	4.3	0.5	1.7	2.1	0.19	0.9	0.26	0.03	0.17		
B00096606	Drill Core	45.6	0.8	29.3	6207.6	287	14.6	85.5	3.1	1.8	<8	5.3	7.4	1.9	2.6	4.3	0.46	1.7	0.40	0.06	0.37		
B00096607	Drill Core	49.9	0.7	31.2	8370.7	100	25.5	71.9	0.8	2.5	<8	3.7	3.7	0.4	1.6	3.1	0.31	1.0	0.25	0.06	0.18		
B00096608	Drill Core	61.4	1.7	44.5	7322.9	148	26.2	93.9	3.0	3.0	<8	5.2	9.2	0.9	1.3	1.8	0.20	0.7	0.19	0.02	0.18		
B00096609	Drill Core	52.4	2.6	75.0	5862.4	334	18.1	205.1	5.8	4.2	<8	5.0	18.1	1.2	1.3	2.2	0.25	0.9	0.17	0.03	0.20		
B00096610	Drill Core	42.3	2.3	37.2	8866.2	52	28.2	91.1	2.7	2.0	<8	2.5	10.1	0.1	0.3	0.3	0.04	<0.3	<0.05	<0.02	<0.05		
B00096611	Drill Core	32.0	0.6	19.8	8803.7	36	20.0	57.9	0.9	2.0	<8	1.0	2.9	0.4	0.4	0.5	0.04	<0.3	<0.05	<0.02	<0.05		
B00096612	Drill Core	64.3	1.5	63.5	7031.4	158	26.0	139.9	2.8	4.6	<8	4.2	9.0	0.2	0.8	1.2	0.11	0.3	<0.05	<0.02	0.06		
B00096613	Drill Core	32.2	0.9	28.6	2583.3	49	15.0	90.7	3.7	3.0	<8	1.3	11.2	2.8	2.9	5.1	0.59	2.1	0.46	0.05	0.46		
B00096614	Drill Core	45.7	2.2	69.3	802.8	220	10.7	180.5	2.5	5.2	<8	0.8	10.7	0.2	0.6	0.8	0.06	<0.3	<0.05	<0.02	<0.05		
B00096615	Drill Core	40.0	1.9	83.0	3527.8	341	13.7	147.7	2.0	6.1	<8	0.9	9.8	0.8	0.8	1.5	0.15	0.5	0.10	0.04	0.09		
B00096616	Drill Core	25.1	1.8	15.7	4027.1	54	26.6	44.4	10.2	4.2	<8	4.8	35.4	9.3	10.4	20.9	2.37	8.9	1.90	0.18	1.77		
B00096617	Drill Core	30.4	0.7	17.6	7298.1	42	16.1	67.8	0.9	3.2	<8	0.6	4.6	0.4	0.8	1.4	0.15	0.5	0.11	<0.02	0.10		
B00096618	Pulp	55.3	1.2	19.6	4078.7	65	22.2	69.6	1.3	2.6	<8	0.6	7.3	<0.1	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05		
B00096619	Drill Core	36.1	0.8	23.2	6418.5	55	20.2	50.0	3.6	2.1	<8	2.0	13.1	3.6	2.6	5.1	0.59	2.2	0.49	0.07	0.58		
B00096620	Drill Core	47.2	1.4	64.4	3797.8	84	11.5	162.4	1.2	3.7	<8	1.5	6.0	0.5	0.8	1.0	0.09	0.4	<0.05	0.04	0.05		
B00096621	Drill Core	53.3	3.5	126.7	1442.2	281	9.8	201.8	2.5	8.0	<8	2.3	19.3	1.1	1.1	1.7	0.19	0.6	0.15	0.05	0.13		
B00096622	Drill Core	41.6	2.3	78.3	2145.4	98	23.9	120.5	7.1	9.3	<8	2.6	26.5	5.3	6.0	13.0	1.41	6.0	0.97	0.11	0.94		
B00096623	Drill Core	14.0	2.0	9.2	778.9	9	53.5	2.8	14.9	3.9	<8	0.6	48.2	13.7	16.4	34.4	3.92	15.5	3.07	0.32	2.79		
B00096624	Pulp	1.0	1.8	1.9	10.2	<1	4.0	0.4	1.6	0.2	<8	<0.5	70.2	3.0	13.1	24.1	2.95	12.0	2.03	0.32	1.25		
B00096625	Drill Core	14.9	2.2	10.6	1042.7	12	46.7	2.8	14.6	5.1	<8	1.4	53.3	14.3	13.7	30.2	3.48	11.9	2.96	0.30	2.60		
B00096626	Drill Core	34.6	1.0	36.5	5466.1	125	12.9	95.2	2.1	2.6	<8	2.6	7.8	1.2	1.7	2.9	0.29	1.2	0.23	0.03	0.28		
B00096627	Drill Core	36.8	1.9	75.7	4175.5	100	21.4	193.4	7.2	7.4	<8	4.1	21.4	6.5	6.0	11.4	1.30	5.5	1.05	0.08	1.04		
B00096628	Drill Core	43.4	3.9	54.2	6020.9	125	10.8	98.8	3.6	5.8	<8	4.7	27.4	1.3	1.4	2.6	0.30	1.3	0.22	0.04	0.22		
B00096629	Drill Core	42.6	2.4	71.0	6270.3	103	11.6	118.6	6.4	6.7	<8	5.4	19.7	5.6	4.8	10.3	1.19	4.4	1.02	0.14	0.99		
B00096630	Drill Core	44.7	2.2	77.0	5422.3	87	10.0	153.3	3.0	6.0	<8	5.5	14.3	2.8	2.4	4.8	0.52	2.2	0.74	0.07	0.49		
B00096631	Drill Core	47.5	4.4	86.1	7427.0	327	8.5	156.7	4.2	6.9	<8	5.2	27.7	0.7	1.3	2.0	0.20	0.9	0.15	0.03	0.15		
B00096632	Drill Core	38.2	2.5	32.6	9418.1	89	13.8	64.6	5.7	4.7	<8	3.8	18.9	3.1	2.9	5.5	0.66	2.4	0.60	0.08	0.54		
B00096633	Drill Core	33.5	2.4	51.3	5510.6	74	10.1	123.5	2.6	4.4	<8	2.9	11.8	0.7	0.7	1.0	0.10	0.4	0.10	<0.02	0.11		

# CERTIFICATE OF ANALYSIS

YVO14000008.1

Method	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01
B00096604	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.37	7668	
B00096605	Drill Core	0.02	0.12	<0.02	0.05	<0.01	0.05	<0.01	<0.02	<0.02	0.01	0.60	>10000	
B00096606	Drill Core	0.05	0.22	0.04	0.16	0.02	0.15	0.02	<0.02	<0.02	0.05	0.50	>10000	
B00096607	Drill Core	0.02	0.07	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.42	8795	
B00096608	Drill Core	0.02	0.12	0.03	0.09	0.02	0.10	0.01	<0.02	<0.02	0.04	0.55	>10000	
B00096609	Drill Core	0.03	0.19	0.03	0.08	0.01	0.11	0.02	<0.02	<0.02	0.06	0.46	>10000	
B00096610	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	0.29	6371	
B00096611	Drill Core	<0.01	<0.05	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.10	2315	
B00096612	Drill Core	0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.07	0.57	>10000	
B00096613	Drill Core	0.08	0.43	0.09	0.26	0.04	0.23	0.04	<0.02	<0.02	0.02	0.12	1815	
B00096614	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.09	1945	
B00096615	Drill Core	0.02	0.12	<0.02	0.07	0.01	0.12	0.01	<0.02	<0.02	0.11	0.09	1772	
B00096616	Drill Core	0.27	1.53	0.28	0.89	0.14	0.88	0.13	<0.02	<0.02	0.09	0.30	6934	
B00096617	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	0.09	1410	
B00096618	Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	1.52	884	4.13 0.47
B00096619	Drill Core	0.09	0.56	0.10	0.37	0.05	0.36	0.05	<0.02	<0.02	0.06	0.14	3179	
B00096620	Drill Core	<0.01	<0.05	<0.02	0.05	<0.01	0.09	<0.01	<0.02	<0.02	0.08	0.13	2789	
B00096621	Drill Core	0.02	0.12	0.02	0.06	0.01	0.14	0.02	<0.02	<0.02	0.15	0.17	3906	
B00096622	Drill Core	0.14	0.81	0.18	0.48	0.06	0.47	0.07	<0.02	<0.02	0.14	0.21	4825	
B00096623	Drill Core	0.43	2.35	0.45	1.23	0.19	1.24	0.19	<0.02	<0.02	0.04	0.10	1251	
B00096624	Pulp	0.16	0.75	0.10	0.29	0.03	0.31	0.05	<0.02	<0.02	<0.01	<0.01	58	
B00096625	Drill Core	0.42	2.66	0.49	1.44	0.25	1.58	0.24	<0.02	<0.02	0.02	0.12	2036	
B00096626	Drill Core	0.03	0.25	0.04	0.14	0.02	0.11	0.02	<0.02	<0.02	0.02	0.59	4723	
B00096627	Drill Core	0.16	1.11	0.18	0.53	0.10	0.58	0.09	<0.02	<0.02	0.08	0.27	6025	
B00096628	Drill Core	0.03	0.23	0.04	0.13	0.02	0.14	0.02	<0.02	<0.02	0.05	0.31	7583	
B00096629	Drill Core	0.16	0.92	0.20	0.58	0.09	0.58	0.09	<0.02	<0.02	0.03	0.39	8617	
B00096630	Drill Core	0.08	0.44	0.11	0.31	0.05	0.36	0.05	<0.02	<0.02	0.05	0.37	8285	
B00096631	Drill Core	0.02	0.10	0.02	0.06	0.02	0.09	0.02	<0.02	<0.02	0.05	0.48	>10000	
B00096632	Drill Core	0.08	0.51	0.10	0.30	0.04	0.28	0.05	<0.02	<0.02	0.02	0.29	6118	
B00096633	Drill Core	0.02	0.14	0.04	0.05	<0.01	0.07	0.01	<0.02	<0.02	0.06	0.21	3832	

# CERTIFICATE OF ANALYSIS

YVO1400008.1

Method	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
B00096634	Drill Core	2.71	71.23	15.91	0.19	0.02	0.23	2.10	8.44	<0.01	0.41	0.06	<0.002	<20	<1	0.7	99.28	76	551	<0.2	727.7
B00096635	Drill Core	2.62	76.26	13.02	0.84	0.06	0.43	3.04	3.97	<0.01	0.19	0.08	<0.002	<20	2	1.2	99.09	103	91	0.2	518.6
B00096636	Pulp	0.01	77.79	11.04	0.67	0.02	1.33	2.26	2.28	<0.01	1.16	0.30	0.004	<20	<1	1.3	98.13	16	528	0.9	691.9
B00096637	Drill Core	2.13	75.64	13.33	1.07	0.12	0.45	3.25	4.75	<0.01	0.03	0.06	<0.002	<20	3	0.9	99.59	175	8	0.5	414.8
B00096638	Drill Core	0.91	72.65	16.22	0.36	0.04	0.27	2.49	6.20	<0.01	0.28	0.05	<0.002	<20	<1	0.2	98.79	75	13	0.4	563.9
B00096639	Drill Core	3.47	75.66	13.61	1.07	0.03	0.69	3.63	4.44	<0.01	0.06	0.06	<0.002	<20	3	0.3	99.56	213	7	0.2	392.8
B00096640	Drill Core	2.70	75.67	13.55	1.13	0.03	0.70	3.59	4.74	<0.01	<0.01	0.06	<0.002	<20	3	0.3	99.77	230	2	0.4	90.9
B00096641	Drill Core	0.71	76.69	13.14	1.06	0.03	0.67	3.32	4.57	<0.01	<0.01	0.06	<0.002	<20	2	0.2	99.75	224	5	0.4	83.5
B00096642	Pulp	0.09	97.84	0.68	0.24	0.04	0.03	0.02	0.15	0.05	0.02	<0.01	<0.002	<20	<1	1.0	100.02	13	1	0.5	2.3
B00096643	Drill Core	2.80	70.33	16.39	0.32	0.02	0.25	2.85	7.59	<0.01	0.47	0.14	<0.002	<20	<1	0.9	99.23	49	171	0.4	628.5
B00096644	Drill Core	2.53	70.10	15.35	0.39	0.02	0.67	1.78	7.71	<0.01	0.76	0.19	<0.002	<20	<1	1.4	98.39	74	421	0.3	1024.2
B00096645	Drill Core	1.22	68.23	17.08	0.18	<0.01	0.12	1.99	10.67	<0.01	0.31	0.05	<0.002	<20	<1	0.8	99.46	64	243	0.2	740.3
B00096646	Drill Core	2.70	70.19	16.12	0.40	0.02	0.27	2.03	7.90	<0.01	0.40	0.17	<0.002	<20	<1	1.2	98.68	57	256	0.3	854.8
B00096647	Drill Core	2.18	75.79	11.95	0.28	0.01	1.13	1.16	5.59	<0.01	1.09	0.21	<0.002	<20	<1	1.0	98.25	43	1400	<0.2	1095.0
B00096648	Drill Core	0.84	68.38	17.25	0.11	<0.01	0.17	2.03	10.61	<0.01	0.33	0.05	<0.002	<20	<1	0.5	99.49	61	130	<0.2	689.9
B00096649	Drill Core	2.97	66.87	17.34	0.13	0.01	0.31	1.68	11.45	<0.01	0.45	0.07	<0.002	<20	<1	1.2	99.46	82	81	<0.2	787.4
B00096650	Drill Core	1.77	74.81	14.09	0.40	0.01	0.19	3.10	5.07	<0.01	0.44	0.19	<0.002	<20	<1	0.9	99.19	39	209	0.3	512.9
B00096651	Drill Core	3.08	75.53	13.57	1.12	0.04	0.66	3.48	4.56	0.01	0.03	0.07	<0.002	<20	3	0.6	99.69	211	10	<0.2	120.6
B00096652	Drill Core	2.73	75.34	13.42	1.05	0.04	0.65	3.52	4.80	<0.01	0.02	0.05	<0.002	<20	3	0.9	99.75	180	2	0.3	49.6
B00096653	Drill Core	2.26	75.40	13.52	1.02	0.09	0.64	3.56	4.66	<0.01	0.01	0.07	<0.002	<20	3	0.8	99.73	128	3	0.2	96.3
B00096654	Pulp	0.02	71.20	16.09	0.44	0.05	0.24	2.86	5.80	<0.01	0.31	0.02	0.036	<20	<1	1.4	98.47	17	33	0.6	5419.2
B00096655	Drill Core	1.83	75.47	13.68	1.02	0.04	0.66	3.58	4.29	<0.01	0.04	0.07	<0.002	<20	2	0.8	99.59	111	6	<0.2	329.2
B00096656	Drill Core	3.29	71.56	16.22	0.57	0.02	0.19	3.03	6.31	<0.01	0.27	0.10	<0.002	<20	<1	0.9	99.15	47	632	0.3	689.2
B00096657	Drill Core	2.61	71.43	16.20	0.54	0.02	0.49	6.04	1.50	<0.01	0.47	0.23	<0.002	<20	<1	1.4	98.34	5	1745	0.3	734.0
B00096658	Drill Core	2.54	73.41	14.42	0.50	0.02	0.89	3.20	2.35	<0.01	0.87	0.35	<0.002	<20	<1	1.6	97.62	6	1119	0.3	871.4
B00096659	Drill Core	2.08	69.20	15.74	0.38	0.02	0.72	1.54	8.60	<0.01	1.06	0.41	<0.002	<20	<1	1.0	98.63	52	1625	0.3	988.2
B00096660	Pulp	0.09	97.79	0.69	0.21	0.04	0.03	0.02	0.15	0.05	0.01	<0.01	<0.002	<20	<1	1.0	100.00	17	<1	0.9	2.5
B00096661	Drill Core	2.69	70.93	16.15	0.40	0.02	0.25	2.13	8.08	<0.01	0.23	0.06	<0.002	<20	<1	1.0	99.30	67	67	<0.2	645.6
B00096662	Drill Core	2.52	74.29	15.17	0.53	0.01	0.27	3.88	3.34	<0.01	0.24	0.13	<0.002	<20	1	1.0	98.82	42	241	0.3	447.2
B00096663	Drill Core	1.39	75.53	13.68	0.97	0.05	0.60	4.05	4.01	<0.01	0.07	0.08	<0.002	<20	2	0.6	99.64	156	31	0.3	181.7



# CERTIFICATE OF ANALYSIS

YVO14000008.1

Method Analyte Unit MDL	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
B00096634	Drill Core	31.0	1.5	47.1	7550.8	100	14.3	87.2	0.7	2.3	<8	1.8	7.2	0.5	0.8	1.2	0.07	<0.3	0.15	<0.02	0.06
B00096635	Drill Core	19.9	2.1	19.3	3052.4	75	29.4	35.3	10.8	6.5	<8	5.9	38.5	13.2	9.4	19.7	2.23	8.0	1.86	0.15	2.04
B00096636	Pulp	38.4	2.0	72.5	3596.3	105	13.5	138.2	7.7	3.6	<8	4.1	17.5	14.5	9.1	22.8	2.48	9.8	2.11	0.39	2.20
B00096637	Drill Core	14.0	2.0	11.4	1504.7	25	44.2	5.7	13.3	9.2	<8	3.3	44.4	14.9	11.1	23.5	2.48	9.2	2.08	0.18	2.32
B00096638	Drill Core	32.0	0.8	21.6	3114.9	68	22.7	85.8	3.1	2.8	<8	1.1	12.1	3.6	4.2	7.6	0.78	3.1	0.72	0.10	0.71
B00096639	Drill Core	15.6	2.1	9.5	759.9	11	53.5	6.2	15.4	10.3	<8	1.3	47.0	14.5	16.4	33.2	3.64	13.5	2.88	0.27	2.61
B00096640	Drill Core	13.7	2.1	9.1	219.9	2	59.8	1.5	15.7	6.5	<8	0.7	46.2	15.5	17.0	35.4	3.85	14.5	3.16	0.29	2.84
B00096641	Drill Core	12.6	2.2	9.1	213.7	2	53.4	3.9	16.8	6.3	<8	0.7	46.8	17.0	16.7	34.0	3.79	14.6	3.11	0.30	2.89
B00096642	Pulp	2.6	1.4	1.2	6.8	<1	3.7	0.1	2.1	0.4	<8	1.8	58.2	3.2	12.8	26.2	3.22	11.5	2.12	0.30	1.31
B00096643	Drill Core	31.8	0.8	49.2	6481.2	68	13.5	67.1	4.1	3.1	<8	1.6	7.7	2.9	2.4	4.2	0.42	1.8	0.46	0.12	0.53
B00096644	Drill Core	39.0	3.3	46.9	8147.2	52	15.2	135.8	10.4	6.9	<8	4.1	26.5	6.1	4.9	10.2	1.24	5.0	1.01	0.16	1.09
B00096645	Drill Core	28.9	0.6	18.3	9412.0	94	12.2	40.0	0.8	3.5	<8	1.0	3.6	0.2	0.4	0.5	<0.02	<0.3	0.06	<0.02	<0.05
B00096646	Drill Core	39.3	2.4	38.0	7761.7	100	11.3	53.7	2.6	3.4	<8	3.4	13.4	1.2	1.2	2.1	0.20	0.7	0.17	0.04	0.19
B00096647	Drill Core	26.7	0.9	31.8	5688.3	53	14.2	91.9	2.6	3.3	<8	2.4	6.4	11.8	6.7	15.2	1.85	7.5	1.76	0.29	1.73
B00096648	Drill Core	28.7	0.9	23.1	9065.4	86	14.1	70.6	0.9	5.3	<8	1.1	5.2	0.4	0.7	0.9	0.07	<0.3	0.06	0.02	<0.05
B00096649	Drill Core	27.8	0.6	12.5	9622.5	25	11.8	25.2	1.7	1.7	<8	1.5	5.8	2.3	1.6	4.0	0.43	1.5	0.42	0.07	0.39
B00096650	Drill Core	33.9	1.6	177.9	4521.9	276	9.6	219.2	3.1	8.0	<8	2.7	8.8	1.0	0.7	1.5	0.11	0.5	0.12	0.03	0.12
B00096651	Drill Core	13.4	2.2	12.3	561.9	10	48.1	4.8	14.0	7.8	<8	1.2	46.8	15.0	13.4	27.8	3.06	11.6	2.52	0.25	2.68
B00096652	Drill Core	12.3	2.3	8.5	202.4	4	43.0	1.9	15.5	14.1	<8	1.0	49.8	17.0	13.8	27.2	3.11	11.0	2.79	0.25	2.80
B00096653	Drill Core	12.6	2.5	8.1	256.5	6	37.0	1.8	14.6	16.9	<8	0.9	46.8	17.4	12.3	25.7	2.80	10.6	2.49	0.17	2.63
B00096654	Pulp	55.7	1.2	20.4	6457.6	55	23.2	65.8	1.6	3.3	8	0.7	7.6	<0.1	<0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
B00096655	Drill Core	14.0	2.4	9.5	1214.4	16	36.0	5.9	12.8	7.4	<8	1.5	45.3	15.8	12.3	24.9	2.75	10.0	2.50	0.18	2.31
B00096656	Drill Core	36.3	1.7	57.2	5058.9	109	10.7	94.1	2.0	3.4	<8	1.4	10.2	1.1	0.7	1.5	0.12	0.7	0.14	0.02	0.13
B00096657	Drill Core	50.5	2.5	106.6	2221.3	301	8.0	183.1	4.8	4.9	<8	3.9	16.2	2.7	1.9	4.0	0.41	1.7	0.42	0.09	0.37
B00096658	Drill Core	49.4	2.2	110.7	3670.5	237	8.0	236.6	4.3	5.0	<8	5.2	13.3	4.9	3.1	6.8	0.82	3.0	0.73	0.15	0.75
B00096659	Drill Core	30.5	1.5	75.8	7469.8	306	17.3	121.7	4.8	3.8	<8	1.7	9.1	2.7	1.6	3.0	0.33	1.3	0.35	0.08	0.32
B00096660	Pulp	2.6	1.6	1.4	8.8	<1	3.3	0.1	2.1	0.3	<8	<0.5	64.1	2.9	12.8	27.3	3.19	12.5	1.97	0.35	1.32
B00096661	Drill Core	29.8	0.9	22.0	6507.4	46	17.7	35.8	4.7	3.0	<8	2.4	15.4	4.8	3.3	7.5	0.71	2.7	0.67	0.05	0.67
B00096662	Drill Core	34.1	1.2	59.4	2946.9	63	13.1	103.3	5.9	4.6	<8	3.6	13.7	4.4	3.2	6.7	0.73	2.3	0.67	0.07	0.60
B00096663	Drill Core	18.1	2.1	38.6	851.9	20	41.6	47.1	13.5	7.1	<8	1.8	38.3	11.8	12.1	24.2	2.66	9.6	2.27	0.23	2.02

# CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
B00096634	Drill Core	0.01	0.15	0.02	0.06	<0.01	0.06	0.01	<0.02	<0.02	0.05	0.12	2240		
B00096635	Drill Core	0.36	2.13	0.41	1.26	0.18	1.16	0.18	<0.02	<0.02	0.06	0.23	5716		
B00096636	Pulp	0.39	2.41	0.51	1.51	0.23	1.40	0.21	0.02	<0.02	0.07	0.48	>10000		
B00096637	Drill Core	0.40	2.48	0.45	1.27	0.21	1.33	0.19	<0.02	<0.02	0.05	0.10	2209		
B00096638	Drill Core	0.10	0.58	0.11	0.30	0.04	0.27	0.04	<0.02	<0.02	0.04	0.50	1405		
B00096639	Drill Core	0.42	2.33	0.48	1.25	0.20	1.36	0.19	<0.02	<0.02	0.06	0.11	2155		
B00096640	Drill Core	0.44	2.58	0.47	1.34	0.20	1.39	0.19	<0.02	<0.02	<0.01	0.07	435		
B00096641	Drill Core	0.48	2.76	0.50	1.43	0.22	1.26	0.21	<0.02	<0.02	<0.01	0.08	415		
B00096642	Pulp	0.17	0.70	0.12	0.35	0.05	0.33	0.05	<0.02	<0.02	<0.01	<0.01	26		
B00096643	Drill Core	0.09	0.50	0.08	0.24	0.03	0.20	0.03	<0.02	<0.02	0.05	0.24	2095		
B00096644	Drill Core	0.17	1.04	0.21	0.60	0.09	0.61	0.09	<0.02	<0.02	0.06	0.41	7872		
B00096645	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.11	1882		
B00096646	Drill Core	0.03	0.21	0.03	0.13	0.02	0.17	0.03	<0.02	<0.02	0.07	0.35	6473		
B00096647	Drill Core	0.31	1.90	0.41	1.25	0.18	1.13	0.18	<0.02	<0.02	0.04	0.36	5530		
B00096648	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	0.05	<0.01	<0.02	<0.02	0.02	0.13	1593		
B00096649	Drill Core	0.06	0.49	0.08	0.23	0.04	0.29	0.04	<0.02	<0.02	0.02	0.13	2571		
B00096650	Drill Core	0.02	0.13	0.02	0.05	0.01	0.09	0.01	<0.02	<0.02	0.06	0.18	3601		
B00096651	Drill Core	0.44	2.54	0.46	1.36	0.19	1.27	0.19	0.02	<0.02	0.01	0.09	1070		
B00096652	Drill Core	0.51	3.15	0.57	1.65	0.23	1.36	0.20	<0.02	<0.02	0.01	0.08	654		
B00096653	Drill Core	0.49	2.84	0.61	1.88	0.28	1.79	0.26	<0.02	<0.02	0.02	0.08	1061		
B00096654	Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.08	<0.02	<0.01	0.43	440		
B00096655	Drill Core	0.41	2.75	0.55	1.71	0.28	1.84	0.29	<0.02	<0.02	0.07	0.10	2244		
B00096656	Drill Core	0.02	0.14	0.04	0.10	0.02	0.10	0.01	<0.02	<0.02	0.15	0.17	2259		
B00096657	Drill Core	0.06	0.37	0.10	0.27	0.04	0.29	0.04	<0.02	<0.02	0.10	0.28	4307		
B00096658	Drill Core	0.13	0.82	0.16	0.47	0.08	0.55	0.08	<0.02	<0.02	0.08	0.61	8665		
B00096659	Drill Core	0.07	0.37	0.08	0.26	0.03	0.23	0.04	<0.02	<0.02	0.06	0.20	2330		
B00096660	Pulp	0.14	0.80	0.13	0.39	0.07	0.32	0.06	0.02	<0.02	<0.01	<0.01	114		
B00096661	Drill Core	0.13	0.67	0.14	0.42	0.07	0.51	0.07	<0.02	<0.02	0.05	0.19	3040		
B00096662	Drill Core	0.11	0.61	0.12	0.40	0.06	0.40	0.06	<0.02	<0.02	0.05	0.37	3955		
B00096663	Drill Core	0.32	1.86	0.39	0.98	0.17	1.11	0.18	<0.02	<0.02	0.02	0.10	1459		

# CERTIFICATE OF ANALYSIS

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Method	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
B00096664	Drill Core	2.40	74.77	14.46	0.48	0.02	0.71	5.06	1.61	<0.01	0.87	0.38	<0.002	<20	<1	0.7	99.09	11	443	<0.2	263.4
B00096665	Drill Core	1.43	75.54	16.24	0.16	0.02	0.06	1.09	2.50	<0.01	0.12	0.11	<0.002	<20	<1	1.0	96.88	9	31	<0.2	414.9
B00096666	Drill Core	1.03	72.01	17.64	0.15	0.03	0.11	1.51	3.65	<0.01	0.22	0.13	<0.002	<20	<1	1.5	96.95	16	30	<0.2	440.3
B00096667	Drill Core	2.32	68.82	18.25	0.14	0.06	0.10	2.03	8.16	<0.01	0.24	0.09	<0.002	<20	<1	0.7	98.64	39	210	<0.2	576.3
B00096668	Drill Core	1.89	66.15	19.33	0.70	0.03	0.80	6.73	4.75	<0.01	0.51	0.10	<0.002	<20	2	0.6	99.73	159	54	<0.2	225.3
B00096669	Drill Core	3.12	73.06	15.23	0.84	0.01	0.60	4.35	4.87	<0.01	0.22	0.05	<0.002	<20	2	0.4	99.63	158	13	0.2	517.6
B00096670	Drill Core	1.95	75.74	13.46	1.12	0.02	0.67	3.44	4.78	<0.01	0.01	0.06	<0.002	<20	3	0.4	99.72	201	2	<0.2	271.9
B00096671	Drill Core	2.30	75.35	13.35	1.06	0.01	0.68	3.47	4.59	<0.01	0.03	0.06	<0.002	<20	3	1.1	99.69	173	3	<0.2	334.6
B00096672	Pulp	0.01	69.00	18.56	0.41	0.04	0.19	2.17	4.06	<0.01	0.27	0.03	0.032	48	1	1.0	95.80	12	26	1.0	>10000
B00096673	Drill Core	2.08	73.76	14.54	0.94	0.01	0.61	4.22	4.70	<0.01	0.11	0.06	<0.002	<20	3	0.6	99.57	160	4	<0.2	678.6
B00096674	Drill Core	2.62	75.70	13.35	1.13	0.01	0.67	3.59	4.71	<0.01	0.02	0.05	<0.002	<20	3	0.5	99.74	203	2	0.2	258.5
B00096675	Drill Core	2.35	75.86	13.41	1.06	0.01	0.66	3.58	4.78	<0.01	<0.01	0.05	<0.002	<20	3	0.4	99.82	168	2	0.2	78.9
B00096676	Drill Core	2.50	75.75	13.52	1.00	0.02	0.67	3.86	4.36	<0.01	0.02	0.07	<0.002	<20	3	0.4	99.68	90	5	0.3	486.1
B00096677	Drill Core	2.44	80.02	11.09	0.80	0.01	0.53	3.03	3.51	<0.01	0.01	0.05	<0.002	<20	2	0.6	99.64	92	6	<0.2	569.5
B00096678	Pulp	0.09	98.39	0.71	0.06	0.04	0.03	0.02	0.15	0.05	<0.01	<0.01	<0.002	<20	<1	0.6	100.00	16	<1	<0.2	1.8
B00096679	Drill Core	2.26	76.22	13.46	0.99	0.02	0.66	3.60	4.49	<0.01	0.01	0.07	<0.002	<20	3	0.2	99.74	125	2	0.3	305.5
B00096680	Drill Core	2.49	79.26	11.64	0.82	0.01	0.53	3.07	3.73	<0.01	0.05	0.06	<0.002	<20	2	0.5	99.66	100	5	<0.2	567.7
B00096681	Drill Core	2.82	76.32	13.88	1.17	0.02	0.41	4.65	1.99	<0.01	0.14	0.09	<0.002	<20	2	0.9	99.60	52	3	0.3	400.3
B00096682	Drill Core	1.15	76.69	16.11	0.14	0.01	0.07	0.78	1.52	<0.01	0.14	0.05	<0.002	<20	<1	0.9	96.44	3	132	0.3	427.7
B00096683	Drill Core	2.49	69.73	17.12	0.11	<0.01	0.05	2.00	9.60	<0.01	0.19	0.02	<0.002	<20	<1	0.5	99.34	15	28	0.3	850.4
B00096684	Drill Core	0.87	77.26	15.61	0.18	<0.01	0.03	0.91	2.79	<0.01	0.17	0.09	<0.002	<20	<1	0.0	97.06	6	51	0.5	420.5
B00096685	Drill Core	2.20	73.28	17.25	0.11	<0.01	0.06	1.19	4.21	<0.01	0.19	0.03	<0.002	<20	<1	0.7	97.04	8	44	0.3	372.7
B00096686	Drill Core	1.42	69.22	18.57	0.12	<0.01	0.08	5.04	5.99	<0.01	0.18	0.03	<0.002	<20	<1	0.0	99.23	20	13	<0.2	261.1
B00096687	Drill Core	1.11	73.39	16.37	0.63	<0.01	0.21	7.13	0.61	<0.01	0.27	0.15	<0.002	<20	<1	0.6	99.35	1	152	0.2	162.6
B00096688	Drill Core	2.42	73.95	16.13	0.46	<0.01	0.22	7.36	0.42	<0.01	0.31	0.15	<0.002	<20	<1	0.3	99.31	1	102	0.3	93.8
B00096689	Drill Core	2.36	72.90	16.72	0.52	<0.01	0.26	6.81	0.55	<0.01	0.39	0.21	<0.002	<20	<1	0.6	98.97	2	183	0.3	138.9
B00096690	Pulp	0.01	77.86	10.75	0.62	0.02	1.29	2.18	2.18	<0.01	1.12	0.29	0.003	<20	<1	1.8	98.09	13	525	0.8	707.7
B00096691	Drill Core	2.60	73.25	17.05	0.35	<0.01	0.13	3.50	2.36	<0.01	0.29	0.19	<0.002	<20	<1	0.6	97.74	7	193	<0.2	241.6
B00096692	Drill Core	2.33	71.22	17.00	0.31	<0.01	0.17	4.06	5.42	<0.01	0.34	0.15	<0.002	<20	<1	0.4	99.09	35	62	0.2	412.5
B00096693	Drill Core	2.40	74.59	16.12	0.26	0.01	0.14	2.38	3.02	<0.01	0.21	0.11	<0.002	<20	<1	0.9	97.70	10	46	0.3	400.5

# CERTIFICATE OF ANALYSIS

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Method Analyte Unit MDL	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd		
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05		
B00096664	Drill Core	47.6	3.8	149.1	1920.0	348	11.9	196.0	4.9	7.3	<8	2.9	20.0	3.3	2.1	3.3	0.30	0.8	0.32	0.08	0.39	
B00096665	Drill Core	30.8	0.4	32.8	2736.5	46	3.2	56.3	0.8	1.9	<8	2.3	3.0	0.5	0.6	0.7	0.04	<0.3	0.07	<0.02	0.06	
B00096666	Drill Core	30.4	1.0	43.2	3786.7	36	5.9	111.0	0.9	1.8	<8	2.2	6.6	0.5	0.6	0.7	0.03	<0.3	0.08	<0.02	0.09	
B00096667	Drill Core	26.7	0.3	57.7	6543.7	21	12.5	95.6	2.1	2.2	<8	1.6	1.8	0.5	1.0	1.8	0.13	0.8	0.12	0.04	0.19	
B00096668	Drill Core	28.9	3.0	32.8	2075.3	23	48.4	49.1	14.7	7.3	<8	0.8	48.9	17.7	12.8	25.4	2.90	10.4	2.20	0.26	2.10	
B00096669	Drill Core	20.7	2.0	10.6	1276.4	19	40.5	66.0	9.8	6.0	<8	1.0	31.2	11.8	10.3	20.2	2.30	8.1	1.98	0.19	1.93	
B00096670	Drill Core	13.3	2.0	9.1	387.3	4	47.9	1.7	13.7	6.4	<8	0.8	44.2	14.8	14.2	28.2	3.24	11.2	2.99	0.25	2.71	
B00096671	Drill Core	13.2	1.9	8.6	402.6	6	44.2	2.3	14.7	5.0	<8	1.1	39.3	15.2	14.7	29.4	3.29	12.0	2.78	0.25	2.77	
B00096672	Pulp	55.4	1.2	20.5	4808.9	57	20.0	64.5	1.0	2.8	<8	1.1	6.6	<0.1	<0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096673	Drill Core	19.7	2.2	12.4	1028.1	38	43.6	35.8	11.4	5.1	<8	1.8	41.6	12.4	11.3	23.4	2.65	9.8	2.32	0.22	2.30	
B00096674	Drill Core	14.2	1.9	9.2	291.0	3	45.5	1.3	15.7	5.1	<8	0.8	40.6	12.8	14.5	29.9	3.40	12.0	2.86	0.26	2.79	
B00096675	Drill Core	13.0	1.7	8.1	212.9	2	41.8	1.3	13.4	4.8	<8	0.9	34.1	14.2	13.3	26.7	2.96	11.5	2.76	0.21	2.49	
B00096676	Drill Core	15.1	2.2	10.1	495.5	19	31.6	4.5	14.2	5.8	<8	1.4	47.4	16.4	11.3	21.5	2.62	9.2	2.41	0.18	2.33	
B00096677	Drill Core	13.7	1.8	8.6	543.9	21	27.9	3.1	12.0	4.1	<8	1.7	34.8	13.4	10.7	21.8	2.39	9.3	2.17	0.16	2.18	
B00096678	Pulp	<0.5	1.7	1.5	10.1	<1	3.8	0.5	1.8	0.4	<8	<0.5	66.7	3.1	13.5	25.2	2.93	11.5	1.75	0.29	1.18	
B00096679	Drill Core	14.0	2.0	9.3	254.0	2	37.4	1.6	15.7	5.2	<8	0.9	41.7	18.4	14.1	28.0	3.16	11.7	2.84	0.20	2.90	
B00096680	Drill Core	13.5	2.0	9.6	840.9	14	29.1	3.6	11.7	4.6	<8	1.1	39.1	12.7	9.9	20.1	2.36	8.3	1.96	0.16	2.03	
B00096681	Drill Core	25.9	5.2	76.7	1304.7	34	16.7	55.0	10.3	15.2	<8	1.9	60.4	12.3	7.1	14.5	1.68	6.2	1.78	0.10	1.81	
B00096682	Drill Core	23.2	0.3	38.0	1512.2	54	1.6	82.4	0.3	0.9	<8	1.1	2.0	0.1	0.1	0.2	0.04	<0.3	<0.05	<0.02	<0.05	
B00096683	Drill Core	23.3	1.0	22.0	7194.8	22	4.2	64.8	0.6	2.7	<8	1.1	5.9	<0.1	0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096684	Drill Core	20.4	0.3	21.8	2289.3	43	1.9	59.8	0.6	0.6	<8	1.3	2.4	<0.1	0.5	0.5	0.06	<0.3	<0.05	<0.02	<0.05	
B00096685	Drill Core	19.7	1.7	29.7	3360.2	27	2.8	46.4	0.7	3.3	<8	0.7	11.7	0.1	<0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096686	Drill Core	29.4	0.6	26.0	4556.8	13	6.0	41.3	1.2	1.1	<8	<0.5	3.3	0.2	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096687	Drill Core	36.4	3.0	86.3	740.1	29	4.6	87.1	2.9	7.7	<8	1.7	21.7	0.4	0.3	0.3	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096688	Drill Core	33.9	1.5	66.8	397.3	27	7.1	84.5	2.5	4.5	<8	1.2	9.7	0.3	0.2	0.3	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096689	Drill Core	37.1	2.6	80.7	609.6	290	8.3	104.7	3.9	5.5	<8	1.0	15.8	0.4	0.3	0.5	0.03	<0.3	<0.05	<0.02	<0.05	
B00096690	Pulp	39.3	2.3	85.2	3864.7	114	13.8	157.9	7.4	4.1	<8	5.0	18.7	15.6	9.7	21.5	2.61	9.9	2.38	0.36	2.22	
B00096691	Drill Core	29.0	2.0	50.4	2172.3	38	6.3	64.6	3.6	4.2	<8	1.6	12.3	0.4	0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05	
B00096692	Drill Core	29.0	1.6	33.6	4289.8	24	11.5	42.5	3.4	5.4	<8	1.0	13.2	0.2	0.4	0.5	<0.02	<0.3	<0.05	<0.02	0.06	
B00096693	Drill Core	29.2	2.4	35.4	2992.4	52	8.1	38.7	3.4	4.9	<8	1.9	15.5	0.4	0.3	0.4	<0.02	<0.3	<0.05	<0.02	0.06	



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Project: None Given  
Report Date: July 28, 2014

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Part: 3 of 3

# CERTIFICATE OF ANALYSIS

YVO1400008.1

Method	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01
B00096664	Drill Core	0.06	0.43	0.10	0.23	0.04	0.23	0.04	<0.02	<0.02	0.13	0.19	3429	
B00096665	Drill Core	<0.01	<0.05	<0.02	0.05	<0.01	0.06	<0.01	<0.02	<0.02	0.03	1.41	3706	
B00096666	Drill Core	0.01	0.15	<0.02	0.06	<0.01	0.12	<0.01	<0.02	<0.02	0.02	1.33	3368	
B00096667	Drill Core	0.02	0.18	0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	0.53	1199	
B00096668	Drill Core	0.38	2.54	0.53	1.76	0.27	1.91	0.30	<0.02	<0.02	0.14	0.05	1274	
B00096669	Drill Core	0.34	1.78	0.33	0.87	0.13	0.79	0.12	<0.02	<0.02	0.10	0.09	1562	
B00096670	Drill Core	0.47	2.43	0.44	1.16	0.17	1.10	0.16	<0.02	<0.02	<0.01	0.08	878	
B00096671	Drill Core	0.46	2.52	0.46	1.22	0.19	1.17	0.16	<0.02	<0.02	0.01	0.09	936	
B00096672	Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.09	<0.02	<0.01	1.12	612	2.07 0.56
B00096673	Drill Core	0.39	2.28	0.38	0.97	0.15	0.90	0.13	<0.02	<0.02	0.04	0.10	1935	
B00096674	Drill Core	0.45	2.39	0.40	1.03	0.14	0.93	0.15	0.03	<0.02	<0.01	0.07	691	
B00096675	Drill Core	0.41	2.21	0.42	1.17	0.18	1.12	0.17	0.03	<0.02	0.01	0.06	413	
B00096676	Drill Core	0.43	2.65	0.54	1.60	0.24	1.55	0.24	0.02	<0.02	<0.01	0.08	1379	
B00096677	Drill Core	0.38	2.19	0.45	1.18	0.19	1.28	0.18	<0.02	<0.02	0.03	0.09	1559	
B00096678	Pulp	0.14	0.70	0.11	0.34	0.05	0.30	0.05	<0.02	<0.02	<0.01	<0.01	12	
B00096679	Drill Core	0.47	2.95	0.58	1.66	0.23	1.62	0.24	<0.02	<0.02	<0.01	0.08	387	
B00096680	Drill Core	0.34	2.16	0.43	1.24	0.19	1.19	0.18	<0.02	<0.02	0.05	0.09	1205	
B00096681	Drill Core	0.35	2.07	0.37	1.12	0.15	1.02	0.15	<0.02	<0.02	0.18	0.10	1681	
B00096682	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.63	917	
B00096683	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	0.24	856	
B00096684	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.37	635	
B00096685	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.38	568	
B00096686	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	0.34	258	
B00096687	Drill Core	0.01	0.08	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.16	0.22	1219	
B00096688	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.13	0.28	760	
B00096689	Drill Core	0.01	0.07	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.14	0.39	921	
B00096690	Pulp	0.40	2.66	0.51	1.52	0.23	1.36	0.23	0.02	<0.02	0.06	0.49	>10000	
B00096691	Drill Core	<0.01	0.08	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.07	0.96	961	
B00096692	Drill Core	<0.01	0.09	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.08	0.35	935	
B00096693	Drill Core	0.01	0.09	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.07	0.98	1975	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

# CERTIFICATE OF ANALYSIS

YVO14000008.1

Method	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
B00096694	Drill Core	2.79	76.39	17.05	0.11	0.01	0.06	0.57	0.47	<0.01	0.09	0.07	<0.002	<20	<1	0.8	95.57	2	37	0.3	156.5
B00096695	Drill Core	2.32	71.89	16.89	0.23	<0.01	0.12	2.47	5.38	<0.01	0.29	0.16	<0.002	<20	<1	0.7	98.10	12	154	0.3	570.0
B00096696	Pulp	0.10	97.62	0.67	0.09	0.04	0.03	0.02	0.15	0.05	<0.01	<0.01	<0.002	<20	<1	1.4	100.01	14	<1	0.4	1.8
B00096697	Drill Core	2.38	75.46	16.64	0.10	<0.01	0.05	1.12	2.25	<0.01	0.11	0.05	<0.002	<20	<1	0.7	96.44	7	16	0.9	293.3
B00096698	Drill Core	2.57	76.02	17.23	0.07	<0.01	0.03	0.77	0.82	<0.01	0.06	0.03	<0.002	<20	<1	0.5	95.58	2	24	0.3	150.7
B00096699	Drill Core	2.63	76.48	16.24	0.10	<0.01	0.07	0.79	1.47	<0.01	0.14	0.04	<0.002	<20	<1	0.7	96.08	3	13	0.3	260.2
B00096700	Drill Core	2.24	75.20	16.57	0.15	<0.01	0.09	1.70	1.44	<0.01	0.28	0.08	<0.002	<20	<1	1.1	96.58	4	20	0.5	232.3
B00096701	Drill Core	2.33	71.66	17.21	0.30	<0.01	0.14	2.59	5.07	<0.01	0.33	0.11	<0.002	<20	<1	0.6	98.02	13	81	0.4	528.7
B00096702	Drill Core	0.95	73.61	17.15	0.32	<0.01	0.20	3.14	1.80	<0.01	0.32	0.14	<0.002	<20	<1	0.6	97.33	4	80	0.5	336.8
B00096703	Drill Core	1.18	73.30	16.84	0.27	<0.01	0.26	3.17	2.94	<0.01	0.34	0.12	<0.002	<20	<1	0.6	97.84	8	86	0.5	367.1
B00096704	Drill Core	2.48	76.01	17.40	<0.04	0.01	0.04	0.36	1.05	<0.01	0.06	0.03	<0.002	<20	<1	0.8	95.79	4	16	0.5	172.1
B00096705	Drill Core	2.32	76.40	17.38	0.06	<0.01	0.03	0.28	0.18	<0.01	0.02	0.02	<0.002	<20	<1	0.9	95.33	2	5	<0.2	106.4
B00096706	Drill Core	2.67	73.35	16.83	0.28	<0.01	0.16	3.04	3.27	<0.01	0.20	0.08	<0.002	<20	<1	0.6	97.77	17	43	0.4	605.6
B00096707	Drill Core	2.46	75.49	16.28	0.31	<0.01	0.15	3.19	0.81	<0.01	0.30	0.18	<0.002	<20	<1	0.5	97.24	2	43	0.4	245.3
B00096708	Pulp	0.01	65.89	20.56	0.23	0.04	0.15	1.77	2.73	<0.01	0.22	0.03	0.015	<20	<1	1.0	92.69	10	22	0.5	>10000
B00096709	Drill Core	2.30	75.38	15.76	0.48	<0.01	0.16	3.43	1.91	<0.01	0.29	0.13	<0.002	<20	<1	0.5	98.04	16	124	0.3	339.1
B00096710	Drill Core	2.28	69.44	17.94	0.04	<0.01	0.04	1.53	8.94	<0.01	0.16	0.01	<0.002	<20	<1	0.4	98.52	110	20	0.4	706.0
B00096711	Drill Core	2.46	73.61	17.25	0.10	<0.01	0.05	0.69	4.07	<0.01	0.13	0.04	<0.002	<20	<1	0.7	96.69	40	27	0.2	477.5
B00096712	Drill Core	2.56	75.18	17.02	0.14	0.01	0.05	0.72	2.11	<0.01	0.10	0.03	<0.002	<20	<1	1.0	96.32	23	23	0.4	236.4
B00096713	Drill Core	2.57	74.22	16.89	0.13	<0.01	0.07	0.67	2.66	<0.01	0.11	0.04	<0.002	<20	<1	1.7	96.51	12	58	0.3	361.0
B00096714	Pulp	0.09	98.22	0.68	0.06	0.04	0.03	0.02	0.15	0.04	0.02	<0.01	<0.002	<20	<1	0.8	100.01	15	<1	<0.2	0.2
B00096715	Drill Core	2.36	74.53	16.53	0.16	<0.01	0.12	0.87	3.77	<0.01	0.29	0.12	<0.002	<20	<1	0.5	96.87	10	10	0.4	501.5
B00096716	Drill Core	2.50	75.04	16.74	0.14	<0.01	0.03	0.76	2.51	<0.01	0.09	0.05	<0.002	<20	<1	0.9	96.30	17	34	0.4	386.4
B00096717	Drill Core	2.57	73.19	16.93	0.11	<0.01	0.08	2.04	4.16	<0.01	0.22	0.04	<0.002	<20	<1	0.7	97.52	16	19	0.4	500.5
B00096718	Drill Core	2.63	71.75	18.26	0.11	<0.01	0.06	1.19	4.11	<0.01	0.17	0.04	<0.002	<20	<1	1.0	96.75	20	18	0.3	413.9
B00096719	Drill Core	1.21	71.46	16.90	0.21	<0.01	0.11	1.64	6.44	<0.01	0.34	0.13	<0.002	<20	<1	0.9	98.10	10	196	0.5	684.8
B00096720	Drill Core	0.90	71.94	17.05	0.22	<0.01	0.12	1.52	5.85	<0.01	0.39	0.11	<0.002	<20	<1	0.7	97.85	9	190	0.5	622.9
B00096721	Drill Core	2.56	72.95	17.36	0.16	<0.01	0.09	2.00	3.61	<0.01	0.13	0.04	<0.002	<20	<1	1.0	97.30	6	15	0.4	371.7
B00096722	Drill Core	2.59	74.27	17.14	0.16	<0.01	0.09	1.31	2.26	<0.01	0.18	0.06	<0.002	<20	<1	1.0	96.49	4	36	0.4	326.7
B00096723	Drill Core	2.47	73.94	16.58	0.30	<0.01	0.14	2.80	2.61	<0.01	0.27	0.12	<0.002	<20	<1	0.8	97.61	11	100	0.5	394.9

# CERTIFICATE OF ANALYSIS

YVO14000008.1

Method	Analyte	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
B00096694	Drill Core	16.1	0.5	18.0	617.2	32	2.2	26.6	0.9	1.0	<8	0.6	3.5	0.4	0.6	0.4	<0.02	<0.3	<0.05	<0.02	<0.05
B00096695	Drill Core	33.2	0.8	62.1	4981.6	59	7.6	73.8	4.7	4.7	<8	1.9	5.2	0.2	0.3	0.4	0.03	<0.3	<0.05	<0.02	<0.05
B00096696	Pulp	<0.5	1.5	1.2	6.4	1	4.3	0.7	1.8	0.2	<8	<0.5	64.3	3.1	12.6	23.5	2.91	10.7	1.77	0.30	1.18
B00096697	Drill Core	17.7	1.1	22.0	2021.9	24	4.7	28.7	0.3	2.8	<8	0.8	8.0	0.3	0.1	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
B00096698	Drill Core	17.2	0.3	16.9	811.7	15	2.4	32.7	<0.2	0.5	<8	<0.5	1.8	0.1	<0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096699	Drill Core	19.2	0.6	40.1	1551.2	24	3.9	67.6	0.7	2.0	<8	1.1	4.4	0.2	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
B00096700	Drill Core	21.3	1.9	49.9	1435.6	20	5.7	72.5	1.1	6.5	<8	1.1	17.4	0.2	0.2	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096701	Drill Core	27.3	1.1	58.5	4141.6	39	9.1	73.1	0.9	3.5	<8	1.6	8.1	0.3	0.6	0.2	<0.02	<0.3	<0.05	<0.02	0.06
B00096702	Drill Core	26.0	1.5	97.5	1762.6	48	8.1	90.5	1.1	4.8	<8	2.9	12.4	0.5	0.3	0.4	<0.02	<0.3	<0.05	<0.02	0.07
B00096703	Drill Core	26.2	1.4	70.4	2536.2	52	8.0	102.7	3.5	3.7	<8	2.3	10.9	0.4	0.4	0.4	<0.02	<0.3	<0.05	<0.02	0.06
B00096704	Drill Core	15.6	0.6	19.4	984.0	18	3.3	52.4	0.5	2.0	<8	0.7	3.7	0.2	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
B00096705	Drill Core	14.2	0.2	4.5	265.0	17	1.7	12.7	<0.2	0.8	<8	<0.5	2.1	<0.1	0.2	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096706	Drill Core	29.8	1.2	41.2	3157.7	24	8.4	69.9	1.4	2.7	<8	3.6	8.0	0.7	0.3	0.8	0.07	<0.3	0.07	0.02	0.13
B00096707	Drill Core	27.1	1.8	54.6	969.2	26	4.4	80.6	0.8	3.4	<8	2.1	10.3	1.3	0.3	0.7	0.06	<0.3	0.17	<0.02	0.24
B00096708	Pulp	55.9	1.1	20.5	4232.3	68	21.9	70.4	1.0	2.4	<8	0.8	6.5	<0.1	0.2	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096709	Drill Core	26.7	2.0	50.0	1851.5	40	7.5	78.0	2.2	7.2	<8	1.6	15.5	0.6	0.4	0.7	0.05	<0.3	0.08	<0.02	0.11
B00096710	Drill Core	21.4	0.4	2.5	7042.7	10	10.6	28.3	0.4	2.6	<8	<0.5	2.5	0.1	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
B00096711	Drill Core	20.2	0.5	16.4	3506.9	34	5.5	48.1	0.5	0.8	<8	1.6	3.6	0.1	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
B00096712	Drill Core	17.7	0.3	5.0	1758.6	19	4.3	12.1	0.4	0.5	<8	0.9	4.1	0.1	0.2	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
B00096713	Drill Core	18.6	0.4	8.7	2271.3	22	3.9	18.7	0.2	0.5	<8	1.4	3.0	0.3	0.1	0.2	0.03	<0.3	<0.05	<0.02	0.06
B00096714	Pulp	1.7	1.7	2.0	4.0	<1	4.9	0.3	1.9	0.3	<8	0.5	58.7	3.1	14.1	25.1	3.13	12.2	2.05	0.32	1.26
B00096715	Drill Core	19.0	0.3	26.2	3140.2	21	6.5	62.5	<0.2	0.6	<8	1.5	1.8	0.7	0.3	0.4	0.04	<0.3	0.10	<0.02	0.19
B00096716	Drill Core	19.1	0.3	15.6	2269.0	23	4.4	31.3	0.3	1.2	<8	1.7	2.5	0.2	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
B00096717	Drill Core	21.5	1.6	26.0	3645.2	38	7.0	45.2	1.6	2.6	<8	2.0	11.6	0.1	0.2	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096718	Drill Core	20.2	0.3	22.4	3327.8	20	5.9	27.0	<0.2	1.1	<8	0.9	2.0	0.2	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
B00096719	Drill Core	27.6	0.9	39.4	5729.4	36	7.7	56.3	0.7	2.9	<8	1.6	5.9	0.2	0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
B00096720	Drill Core	26.1	1.2	53.4	5083.0	56	7.8	92.4	1.0	2.8	<8	1.4	10.4	0.1	0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096721	Drill Core	21.8	0.6	16.8	3155.3	22	4.9	21.2	0.6	2.9	<8	0.8	4.6	0.1	0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096722	Drill Core	24.6	0.9	32.5	2309.0	37	5.1	62.8	0.7	2.8	<8	1.2	5.6	0.1	0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
B00096723	Drill Core	32.7	1.8	64.7	2506.1	63	5.9	159.2	1.7	4.5	<8	1.8	9.2	0.3	0.2	0.3	0.03	<0.3	<0.05	<0.02	<0.05

# CERTIFICATE OF ANALYSIS

YVO1400008.1

Method Analyte Unit MDL	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01
B00096694	Drill Core	<0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	2.04	732	
B00096695	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.80	2076	
B00096696	Pulp	0.14	0.72	0.10	0.32	0.05	0.30	0.05	<0.02	<0.02	<0.01	<0.01	26	
B00096697	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.65	701	
B00096698	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	2.09	621	
B00096699	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	1.83	831	
B00096700	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	1.57	793	
B00096701	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	0.82	1864	
B00096702	Drill Core	<0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	1.13	1844	
B00096703	Drill Core	<0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.93	1393	
B00096704	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.00	643	
B00096705	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	2.21	335	
B00096706	Drill Core	0.03	0.13	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.06	0.97	2552	
B00096707	Drill Core	0.06	0.27	<0.02	0.04	<0.01	0.06	<0.01	<0.02	<0.02	0.06	1.25	1512	
B00096708	Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.07	<0.02	0.02	1.58	827	4.07 0.46
B00096709	Drill Core	0.02	0.10	0.02	0.04	<0.01	0.05	<0.01	<0.02	<0.02	0.10	0.84	1133	
B00096710	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.64	268	
B00096711	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.55	1355	
B00096712	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.74	746	
B00096713	Drill Core	0.02	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.62	1162	
B00096714	Pulp	0.17	0.77	0.13	0.37	0.05	0.35	0.05	<0.02	<0.02	<0.01	<0.01	42	
B00096715	Drill Core	0.04	0.15	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.40	1374	
B00096716	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.68	1423	
B00096717	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.10	1617	
B00096718	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.50	1000	
B00096719	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	0.76	2277	
B00096720	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.88	2122	
B00096721	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.23	857	
B00096722	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.57	2083	
B00096723	Drill Core	<0.01	0.06	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.06	1.00	2502	





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Project: None Given

Report Date: July 28, 2014

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Part: 1 of 3

# CERTIFICATE OF ANALYSIS

# YVO14000008.1

Method	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
B00096724	Drill Core	2.55	73.73	17.15	0.11	<0.01	0.08	0.69	3.33	<0.01	0.13	0.03	<0.002	<20	<1	1.3	96.50	26	35	0.4	374.7
B00096725	Drill Core	2.58	75.68	16.80	0.23	0.01	0.10	0.47	2.18	<0.01	0.14	0.07	<0.002	<20	<1	0.7	96.37	13	87	0.4	353.0
B00096726	Pulp	0.01	77.55	11.05	0.68	0.02	1.33	2.22	2.23	<0.01	1.13	0.30	0.003	<20	<1	1.6	98.13	15	547	1.1	700.6
B00096727	Drill Core	2.71	73.67	17.36	0.12	<0.01	0.11	0.71	4.05	<0.01	0.16	0.04	<0.002	<20	<1	0.6	96.86	37	46	0.4	403.7
B00096728	Drill Core	2.54	76.30	17.18	0.10	0.01	0.05	0.31	1.09	<0.01	0.09	0.04	<0.002	<20	<1	0.8	95.98	8	28	0.5	192.3
B00096729	Drill Core	2.25	75.03	15.46	0.14	<0.01	0.12	0.88	5.41	<0.01	0.21	0.05	<0.002	<20	<1	0.5	97.80	49	44	0.5	538.5
B00096730	Drill Core	2.37	73.14	17.56	0.11	<0.01	0.07	0.87	3.17	<0.01	0.10	0.04	<0.002	<20	<1	1.3	96.41	29	37	0.6	381.3
B00096731	Drill Core	2.50	72.77	17.32	0.16	<0.01	0.08	0.73	4.93	<0.01	0.16	0.06	<0.002	<20	<1	0.9	97.11	48	35	0.3	482.4
B00096732	Pulp	0.09	98.71	0.69	0.05	0.04	0.03	0.02	0.15	0.04	0.01	<0.01	<0.002	<20	<1	0.3	100.02	16	<1	0.2	0.9
B00096733	Drill Core	2.46	74.18	17.50	0.10	0.01	0.07	0.84	2.41	<0.01	0.13	0.05	<0.002	<20	<1	0.8	96.07	20	21	0.3	312.5
B00096734	Drill Core	2.58	74.86	16.86	0.30	0.02	0.13	0.56	2.14	<0.01	0.21	0.08	<0.002	<20	<1	1.2	96.29	9	39	0.4	401.2
B00096735	Drill Core	2.58	74.91	17.59	0.12	<0.01	0.04	0.57	2.29	<0.01	0.08	0.05	<0.002	<20	<1	0.4	96.06	4	18	0.3	204.2
B00096736	Drill Core	2.23	72.08	16.34	0.16	<0.01	0.08	2.27	7.02	<0.01	0.21	0.07	<0.002	<20	<1	0.5	98.77	15	116	0.3	626.9
B00096737	Drill Core	2.43	73.93	16.11	0.43	0.01	0.23	4.10	2.42	<0.01	0.28	0.19	<0.002	<20	<1	0.7	98.35	33	92	0.4	300.7
B00096738	Drill Core	0.99	75.64	17.00	0.16	0.01	0.08	0.39	2.52	<0.01	0.12	0.05	<0.002	<20	<1	0.3	96.28	20	33	0.5	253.6
B00096739	Drill Core	2.54	76.42	15.97	0.27	0.01	0.13	0.93	1.28	<0.01	0.18	0.10	<0.002	<20	<1	1.1	96.42	6	109	0.5	267.9
B00096740	Drill Core	1.35	75.01	17.05	0.23	0.02	0.13	0.38	2.38	<0.01	0.16	0.07	<0.002	<20	<1	0.8	96.22	17	34	0.3	281.7
B00096741	Drill Core	2.48	75.15	16.15	0.36	0.01	0.11	1.28	3.06	<0.01	0.25	0.12	<0.002	<20	<1	0.8	97.30	15	84	0.5	314.1
B00096742	Drill Core	2.40	74.84	14.67	0.73	0.02	0.48	3.68	4.16	<0.01	0.13	0.09	<0.002	<20	2	0.4	99.24	114	8	0.3	197.2
B00096743	Drill Core	2.37	76.07	13.43	1.08	0.03	0.67	3.56	4.55	<0.01	0.02	0.08	<0.002	<20	3	0.3	99.79	177	3	0.3	31.8
B00096744	Pulp	0.01	71.69	16.20	0.45	0.05	0.24	2.94	5.74	<0.01	0.32	0.02	0.035	<20	<1	0.8	98.53	17	33	0.8	5543.9
B00096745	Drill Core	2.33	75.77	13.71	1.09	0.03	0.67	3.68	4.54	<0.01	<0.01	0.08	<0.002	<20	3	0.2	99.78	203	10	<0.2	53.7
B00096746	Drill Core	2.39	75.58	13.92	1.06	0.03	0.65	3.70	4.35	<0.01	<0.01	0.08	<0.002	<20	2	0.3	99.68	162	4	0.2	208.1
B00096747	Drill Core	2.35	74.10	15.96	0.44	<0.01	0.18	8.02	0.25	<0.01	0.30	0.14	<0.002	<20	<1	0.2	99.62	<1	146	<0.2	93.3
B00096748	Drill Core	2.40	72.77	16.71	0.46	<0.01	0.19	6.25	1.52	<0.01	0.33	0.18	<0.002	<20	<1	0.5	98.94	3	324	0.3	357.0
B00096749	Drill Core	2.50	73.45	16.55	0.49	<0.01	0.20	3.93	2.25	<0.01	0.35	0.19	<0.002	<20	<1	0.7	98.13	4	167	0.4	422.0
B00096750	Pulp	0.09	98.39	0.70	0.12	0.04	0.03	0.02	0.15	0.05	0.01	<0.01	<0.002	<20	<1	0.5	100.01	16	<1	0.4	2.5
B00096751	Drill Core	2.55	73.27	16.00	0.62	<0.01	0.19	5.47	2.56	<0.01	0.36	0.16	<0.002	<20	<1	0.5	99.15	9	158	0.8	342.6
B00096752	Drill Core	2.39	73.09	15.93	0.67	<0.01	0.30	6.03	1.97	0.01	0.32	0.13	<0.002	<20	<1	0.9	99.36	37	87	0.5	289.8
B00096753	Drill Core	2.44	73.62	16.50	0.42	<0.01	0.23	4.33	2.41	<0.01	0.38	0.17	<0.002	<20	<1	0.3	98.34	6	104	<0.2	289.4

# CERTIFICATE OF ANALYSIS

YVO14000008.1

Method Analyte Unit MDL	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
B00096724	Drill Core	19.3	0.4	8.2	2755.4	50	4.6	26.6	0.3	0.6	<8	0.5	1.9	0.3	0.3	0.3	0.03	<0.3	<0.05	<0.02	<0.05
B00096725	Drill Core	22.1	0.3	22.0	2104.5	45	3.7	36.8	0.3	0.7	<8	1.0	1.7	0.5	0.3	0.4	0.04	<0.3	<0.05	<0.02	<0.05
B00096726	Pulp	38.7	2.3	86.4	3770.7	108	13.1	154.3	7.7	4.1	<8	4.7	19.0	15.1	9.8	22.5	2.67	10.2	2.28	0.39	2.29
B00096727	Drill Core	21.3	0.2	10.0	3518.3	29	4.8	21.2	0.5	0.4	<8	0.6	1.2	0.6	0.3	0.6	0.05	<0.3	<0.05	0.02	<0.05
B00096728	Drill Core	19.8	0.2	9.4	1126.0	52	3.2	20.9	0.2	0.4	<8	<0.5	0.5	0.2	0.1	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
B00096729	Drill Core	22.2	0.2	11.6	4636.9	35	7.0	21.0	0.5	1.3	<8	1.3	1.1	0.4	0.3	0.4	0.04	<0.3	<0.05	<0.02	<0.05
B00096730	Drill Core	20.8	0.5	10.9	2790.4	43	5.0	29.8	1.2	0.9	<8	0.8	2.0	0.4	0.1	0.3	0.02	<0.3	<0.05	<0.02	<0.05
B00096731	Drill Core	23.3	0.1	16.5	4318.6	42	6.1	37.9	0.6	0.4	<8	1.1	0.6	0.5	0.3	0.4	0.03	<0.3	<0.05	<0.02	<0.05
B00096732	Pulp	1.5	1.6	2.4	5.4	<1	4.0	0.6	2.0	0.5	<8	<0.5	60.1	3.2	14.2	27.7	3.38	11.5	2.13	0.30	1.40
B00096733	Drill Core	21.1	0.6	9.4	2156.5	37	5.3	25.3	0.2	0.5	<8	0.8	2.9	0.2	0.2	0.3	0.02	<0.3	<0.05	<0.02	<0.05
B00096734	Drill Core	32.4	0.9	28.3	2419.1	87	4.9	55.3	0.4	1.0	<8	2.7	3.9	0.7	0.4	0.6	0.04	<0.3	0.05	0.02	0.09
B00096735	Drill Core	17.8	0.1	9.0	1969.1	31	3.8	15.6	<0.2	0.2	<8	0.5	1.4	0.2	0.2	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
B00096736	Drill Core	25.2	1.2	32.7	6065.2	268	8.1	46.4	1.1	1.8	<8	1.2	7.9	0.4	0.3	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096737	Drill Core	33.0	1.3	45.3	2094.4	89	13.9	70.9	5.0	6.6	<8	1.7	14.3	3.9	3.8	7.9	0.85	3.0	0.71	0.04	0.56
B00096738	Drill Core	20.8	0.2	17.4	2160.7	41	2.6	25.6	0.3	0.3	<8	0.9	0.9	0.4	0.3	0.4	0.02	<0.3	<0.05	<0.02	0.05
B00096739	Drill Core	26.2	0.4	33.1	1485.1	125	2.7	45.3	0.7	1.2	<8	2.0	2.0	0.6	0.4	0.8	0.05	<0.3	<0.05	<0.02	<0.05
B00096740	Drill Core	22.8	0.2	24.3	2171.1	45	2.6	43.8	0.4	0.7	<8	1.0	1.4	0.6	0.4	0.6	0.04	<0.3	<0.05	0.03	<0.05
B00096741	Drill Core	25.8	0.6	30.0	2405.6	53	3.3	33.5	0.4	0.7	<8	1.2	6.5	0.6	0.6	0.9	0.07	<0.3	<0.05	<0.02	0.07
B00096742	Drill Core	19.0	2.0	24.2	1461.1	49	32.8	24.3	11.5	6.5	<8	1.3	36.8	9.8	9.4	19.2	2.15	7.9	1.76	0.15	1.75
B00096743	Drill Core	15.2	2.6	9.5	230.6	3	48.9	1.3	16.4	5.8	<8	1.0	60.1	17.8	15.2	31.3	3.67	12.4	3.02	0.29	2.77
B00096744	Pulp	59.9	1.1	21.8	7052.9	61	23.2	63.6	1.2	3.4	<8	0.6	7.2	0.1	0.1	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096745	Drill Core	14.9	3.2	10.3	300.8	8	48.2	3.0	15.7	6.1	<8	1.0	63.1	16.7	16.1	32.0	3.60	12.8	2.91	0.25	2.79
B00096746	Drill Core	13.5	3.0	9.0	885.0	14	45.8	2.3	17.0	5.8	<8	2.4	65.1	17.0	14.5	31.2	3.54	12.4	2.69	0.26	2.66
B00096747	Drill Core	36.2	3.8	60.0	156.4	43	3.8	71.5	3.3	8.4	<8	0.8	25.7	0.7	0.6	0.9	0.09	<0.3	0.05	<0.02	0.08
B00096748	Drill Core	40.1	2.6	79.0	1689.2	50	5.3	77.2	2.9	9.4	<8	1.9	17.1	0.3	0.3	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
B00096749	Drill Core	37.7	1.3	53.5	2435.5	64	5.9	59.5	1.8	3.5	<8	2.4	8.4	0.3	0.3	0.4	0.03	<0.3	<0.05	<0.02	<0.05
B00096750	Pulp	1.7	1.4	1.5	11.0	<1	3.2	0.1	2.2	0.4	<8	<0.5	55.7	3.2	10.8	22.1	2.83	10.5	1.45	0.32	1.39
B00096751	Drill Core	34.9	1.5	80.0	2454.4	58	7.1	104.5	2.2	4.7	<8	1.5	11.2	0.6	0.8	0.5	<0.02	<0.3	<0.05	<0.02	<0.05
B00096752	Drill Core	34.6	5.0	47.8	1996.6	107	9.7	50.9	4.0	10.7	<8	2.3	38.8	2.7	3.0	5.9	0.58	2.0	0.49	0.05	0.49
B00096753	Drill Core	33.0	1.9	80.8	2236.4	70	6.3	96.9	3.0	9.3	<8	1.7	13.0	0.3	0.3	0.4	<0.02	<0.3	<0.05	<0.02	<0.05

# CERTIFICATE OF ANALYSIS

YVO1400008.1

Method Analyte	Unit	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
B00096724	Drill Core	0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.63	807		
B00096725	Drill Core	0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	1.64	1721		
B00096726	Pulp	0.42	2.60	0.50	1.56	0.26	1.62	0.23	0.05	<0.02	0.05	0.47	9561		
B00096727	Drill Core	0.01	0.06	<0.02	0.05	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.46	1129		
B00096728	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.91	936		
B00096729	Drill Core	<0.01	0.07	<0.02	0.04	<0.01	0.06	<0.01	<0.02	<0.02	0.01	0.92	1798		
B00096730	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.65	1339		
B00096731	Drill Core	<0.01	<0.05	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.29	1303		
B00096732	Pulp	0.16	0.81	0.12	0.29	0.05	0.32	0.05	0.02	<0.02	<0.01	<0.01	46		
B00096733	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.77	1113		
B00096734	Drill Core	0.02	0.11	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	1.63	2818		
B00096735	Drill Core	0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.83	430		
B00096736	Drill Core	<0.01	0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.47	1021		
B00096737	Drill Core	0.11	0.61	0.11	0.40	0.06	0.38	0.06	<0.02	<0.02	0.07	0.65	1974		
B00096738	Drill Core	<0.01	0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.71	875		
B00096739	Drill Core	<0.01	0.07	<0.02	0.05	<0.01	0.06	<0.01	<0.02	<0.02	0.04	1.60	2016		
B00096740	Drill Core	0.01	0.06	<0.02	0.05	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	1.75	1523		
B00096741	Drill Core	0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	1.21	1342		
B00096742	Drill Core	0.29	1.66	0.34	1.10	0.17	1.14	0.17	<0.02	0.05	0.01	0.31	944		
B00096743	Drill Core	0.47	2.80	0.57	1.75	0.27	1.88	0.27	<0.02	0.07	<0.01	0.07	315		
B00096744	Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.09	<0.02	<0.01	0.39	488		
B00096745	Drill Core	0.49	2.82	0.59	1.72	0.27	1.46	0.25	<0.02	0.08	<0.01	0.07	405		
B00096746	Drill Core	0.44	2.61	0.54	1.52	0.25	1.63	0.25	<0.02	0.06	<0.01	0.10	950		
B00096747	Drill Core	0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.10	0.12	644		
B00096748	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.08	0.35	2328		
B00096749	Drill Core	<0.01	<0.05	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.09	0.74	3107		
B00096750	Pulp	0.16	0.72	0.12	0.33	0.06	0.38	0.05	<0.02	<0.02	<0.01	<0.01	37		
B00096751	Drill Core	<0.01	0.05	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.09	0.30	1575		
B00096752	Drill Core	0.08	0.52	0.11	0.27	0.04	0.32	0.04	<0.02	<0.02	0.10	0.18	2313		
B00096753	Drill Core	<0.01	0.05	<0.02	0.05	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.70	1467		

# CERTIFICATE OF ANALYSIS

YVO14000008.1

Method	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
B00096754	Drill Core	2.19	73.47	16.99	0.28	0.02	0.18	1.64	4.09	<0.01	0.29	0.11	<0.002	<20	<1	0.4	97.47	12	133	0.3	369.8
B00096755	Drill Core	2.67	74.11	16.09	0.49	0.01	0.21	4.73	2.04	<0.01	0.42	0.21	<0.002	<20	<1	0.4	98.73	5	209	0.4	249.5
B00096756	Drill Core	1.01	73.35	16.08	0.44	<0.01	0.17	7.70	0.53	<0.01	0.41	0.23	<0.002	<20	<1	0.5	99.40	1	200	0.4	125.4
B00096757	Drill Core	1.38	72.93	16.60	0.46	<0.01	0.23	7.31	0.68	<0.01	0.42	0.22	<0.002	<20	<1	0.4	99.27	<1	167	0.5	161.1
B00096758	Drill Core	2.33	74.32	15.78	0.52	<0.01	0.21	6.89	0.89	<0.01	0.31	0.15	<0.002	<20	<1	0.3	99.37	1	216	0.5	213.9
B00096759	Drill Core	2.44	73.66	15.49	0.54	<0.01	0.24	6.14	2.09	<0.01	0.32	0.15	<0.002	<20	<1	0.8	99.45	2	150	0.4	305.7
B00096760	Drill Core	2.33	74.28	15.44	0.57	<0.01	0.26	6.82	1.23	<0.01	0.27	0.13	<0.002	<20	<1	0.6	99.61	3	76	0.5	166.8
B00096761	Drill Core	2.44	74.58	15.13	0.41	0.02	0.20	3.47	4.44	<0.01	0.22	0.08	<0.002	<20	<1	0.6	99.11	8	58	0.6	295.7
B00096762	Pulp	0.01	69.03	18.55	0.42	0.05	0.19	2.26	4.11	<0.01	0.27	0.03	0.033	44	<1	1.0	95.91	12	28	1.0	>10000
B00096763	Drill Core	2.35	73.87	16.09	0.28	0.01	0.16	5.61	2.34	<0.01	0.32	0.16	<0.002	<20	<1	0.2	99.04	2	126	0.5	187.9
B00096764	Drill Core	3.29	76.20	13.61	0.90	0.01	0.57	3.82	4.12	<0.01	0.06	0.08	<0.002	<20	3	0.4	99.76	6	4	0.3	159.1
B00096765	Drill Core	1.33	76.37	16.35	0.28	0.08	0.11	1.41	0.62	<0.01	0.14	0.10	<0.002	<20	<1	0.9	96.38	2	54	0.4	81.5
B00096766	Drill Core	2.59	75.84	15.87	0.46	0.02	0.13	0.55	1.75	<0.01	0.42	0.27	<0.002	<20	<1	1.2	96.52	5	171	0.4	179.0
B00096767	Drill Core	2.37	74.43	16.52	0.27	<0.01	0.10	1.36	3.53	<0.01	0.27	0.12	<0.002	<20	<1	0.8	97.42	8	82	0.5	225.0
B00096768	Pulp	0.09	98.17	0.67	0.08	0.04	0.03	0.01	0.15	0.04	0.02	<0.01	<0.002	<20	<1	0.8	100.02	12	<1	0.5	3.2
B00096769	Drill Core	1.96	75.40	16.40	0.12	0.01	0.10	0.61	3.30	<0.01	0.15	0.04	<0.002	<20	<1	0.8	96.96	4	2	0.3	169.1
B00096770	Drill Core	3.30	73.81	15.79	0.49	<0.01	0.25	5.69	2.58	<0.01	0.35	0.14	<0.002	<20	<1	0.3	99.43	6	173	0.2	277.6
B00096771	Drill Core	2.33	74.65	16.13	0.46	<0.01	0.20	3.66	1.92	<0.01	0.36	0.20	<0.002	<20	<1	0.6	98.15	5	156	0.3	266.7
B00096772	Drill Core	2.54	73.39	15.89	0.46	<0.01	0.33	6.44	1.58	<0.01	0.45	0.19	<0.002	<20	<1	0.7	99.41	2	222	0.2	265.3
B00096773	Drill Core	2.54	73.26	16.08	0.33	<0.01	0.22	6.37	1.81	<0.01	0.37	0.19	<0.002	<20	<1	0.6	99.21	5	155	0.4	201.8
B00096774	Drill Core	1.00	71.24	16.74	0.21	0.01	0.13	1.55	8.03	<0.01	0.26	0.08	<0.002	<20	<1	0.5	98.77	17	126	0.4	266.1
B00096775	Drill Core	2.57	74.91	16.24	0.36	0.01	0.15	2.81	1.95	<0.01	0.33	0.20	<0.002	<20	<1	0.6	97.59	4	145	0.3	174.2
B00096776	Drill Core	2.55	73.90	16.53	0.34	0.01	0.16	1.60	4.25	<0.01	0.35	0.18	<0.002	<20	<1	0.3	97.64	20	117	<0.2	190.3
B00096777	Drill Core	1.35	71.43	16.68	0.23	0.01	0.14	1.61	7.57	<0.01	0.29	0.10	<0.002	<20	<1	0.6	98.63	13	100	0.3	230.2
B00096778	Drill Core	2.32	73.52	16.08	0.31	0.01	0.15	2.28	4.98	<0.01	0.29	0.14	<0.002	<20	<1	0.7	98.47	9	143	0.2	219.1
B00096779	Drill Core	2.47	74.16	16.06	0.44	0.01	0.20	1.67	3.75	<0.01	0.36	0.18	<0.002	<20	<1	1.0	97.86	12	145	0.5	171.3
B00096780	Pulp	0.01	77.89	10.94	0.67	0.02	1.31	2.24	2.21	<0.01	1.13	0.29	0.004	<20	<1	1.3	97.98	13	514	0.9	664.5
B00096781	Drill Core	2.25	71.67	16.45	0.37	<0.01	0.16	1.34	7.26	<0.01	0.35	0.12	<0.002	<20	<1	0.7	98.43	15	113	0.4	203.1
B00096782	Drill Core	2.46	74.55	16.19	0.44	0.04	0.16	4.08	2.00	<0.01	0.27	0.14	<0.002	<20	<1	0.6	98.44	3	149	0.8	100.1
B00096783	Drill Core	2.36	74.32	16.56	0.25	0.02	0.08	2.47	2.92	<0.01	0.23	0.11	<0.002	<20	<1	0.5	97.46	7	125	0.5	135.2

# CERTIFICATE OF ANALYSIS

YVO14000008.1

Method	Analyte	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
B00096754	Drill Core	26.1	0.7	51.8	3720.9	52	6.5	64.5	1.1	2.5	<8	1.4	4.2	0.6	0.3	0.4	0.04	<0.3	<0.05	<0.02	<0.05
B00096755	Drill Core	39.4	2.9	116.4	2084.3	86	6.5	125.3	3.3	12.1	<8	2.1	18.8	0.5	0.6	0.5	0.04	<0.3	<0.05	<0.02	0.06
B00096756	Drill Core	37.1	3.3	95.7	495.2	95	6.7	122.6	3.6	9.9	<8	1.3	21.7	0.2	0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
B00096757	Drill Core	40.7	2.6	84.3	743.8	116	6.6	100.9	3.8	10.5	<8	1.5	16.0	0.4	0.3	0.5	0.02	<0.3	<0.05	<0.02	<0.05
B00096758	Drill Core	37.2	3.2	69.0	905.6	129	5.5	79.7	3.1	7.2	<8	0.9	23.7	0.3	0.3	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
B00096759	Drill Core	34.6	2.3	75.3	2222.4	107	4.9	97.1	4.8	9.9	<8	2.2	18.0	4.4	1.6	3.9	0.43	1.4	0.40	<0.02	0.50
B00096760	Drill Core	34.5	2.5	54.1	1442.0	108	5.5	55.8	5.6	6.7	<8	1.7	21.6	3.9	2.1	3.8	0.47	1.9	0.51	<0.02	0.53
B00096761	Drill Core	29.3	2.5	27.2	4582.9	158	5.1	32.1	3.9	6.2	<8	1.7	21.9	5.0	2.2	4.0	0.51	2.0	0.52	0.02	0.69
B00096762	Pulp	55.9	0.9	21.1	5261.6	61	22.1	62.5	0.9	2.9	<8	1.0	6.2	0.1	0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
B00096763	Drill Core	35.1	2.4	66.3	2339.1	46	4.1	104.0	2.9	5.6	<8	1.3	16.5	1.6	1.0	1.5	0.17	0.6	0.25	<0.02	0.26
B00096764	Drill Core	14.5	1.8	10.1	1398.8	20	13.1	6.1	12.8	6.6	<8	1.4	32.5	21.3	9.2	19.2	2.48	9.7	2.76	0.08	2.91
B00096765	Drill Core	20.8	0.5	32.1	674.4	25	2.0	34.2	1.0	2.3	<8	0.9	4.5	1.4	0.5	1.4	0.14	0.4	0.19	<0.02	0.23
B00096766	Drill Core	24.7	0.2	48.3	1799.3	43	4.2	37.2	0.2	0.6	<8	2.8	2.7	0.6	0.5	0.5	0.02	<0.3	<0.05	<0.02	0.09
B00096767	Drill Core	24.8	0.4	33.9	3164.3	47	3.4	34.3	0.3	1.1	<8	1.2	5.8	0.4	0.1	0.4	<0.02	<0.3	<0.05	<0.02	<0.05
B00096768	Pulp	<0.5	1.3	0.9	10.5	<1	3.0	0.2	2.2	0.3	<8	<0.5	55.4	4.8	12.2	24.9	2.87	10.4	1.75	0.33	1.34
B00096769	Drill Core	20.5	0.5	14.3	3053.3	35	2.9	29.0	0.6	0.9	<8	0.6	3.2	0.2	0.3	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
B00096770	Drill Core	36.5	3.2	73.5	2594.1	99	7.6	74.1	3.1	12.8	<8	1.7	21.9	0.4	0.2	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
B00096771	Drill Core	33.7	2.8	69.4	2100.9	97	5.6	99.8	1.7	7.1	<8	1.2	18.2	0.5	0.2	0.3	0.04	<0.3	<0.05	<0.02	<0.05
B00096772	Drill Core	43.1	1.9	92.1	1831.6	159	10.1	94.8	1.9	5.5	<8	2.2	11.5	0.4	0.2	0.4	0.02	<0.3	<0.05	<0.02	0.06
B00096773	Drill Core	37.7	1.0	64.8	1788.5	140	8.1	118.9	2.0	3.5	<8	1.2	5.5	0.3	0.4	0.3	0.02	<0.3	<0.05	<0.02	<0.05
B00096774	Drill Core	26.3	0.3	28.9	6703.4	40	7.8	25.6	0.4	0.8	<8	0.9	2.1	0.4	0.4	0.4	0.03	<0.3	<0.05	<0.02	<0.05
B00096775	Drill Core	30.1	1.2	54.1	2136.5	164	5.6	62.1	1.5	5.4	<8	1.4	8.2	0.3	0.4	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
B00096776	Drill Core	27.7	0.5	37.7	3826.6	77	7.7	34.6	0.6	1.2	<8	1.6	3.2	0.3	0.4	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
B00096777	Drill Core	23.3	0.3	26.9	6165.3	35	6.0	22.5	0.3	0.8	<8	0.9	2.0	0.3	0.2	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
B00096778	Drill Core	35.7	0.9	50.1	4572.8	115	5.4	73.8	0.9	2.8	<8	1.5	4.8	0.3	0.2	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
B00096779	Drill Core	36.5	0.4	37.7	3718.6	107	6.1	52.0	0.8	1.8	<8	1.9	2.4	0.4	0.3	0.5	<0.02	<0.3	<0.05	<0.02	<0.05
B00096780	Pulp	37.4	2.4	83.0	3517.5	104	13.5	153.8	8.0	4.1	<8	5.3	18.2	16.0	9.4	23.2	2.71	10.6	2.20	0.39	2.31
B00096781	Drill Core	26.3	0.2	23.5	6075.7	45	5.6	23.7	0.5	0.5	<8	0.9	1.0	0.5	0.4	0.4	<0.02	<0.3	<0.05	<0.02	0.05
B00096782	Drill Core	32.3	1.7	41.2	1949.3	112	5.3	57.9	1.4	3.4	<8	1.0	9.0	0.3	0.5	0.6	0.05	<0.3	0.07	<0.02	0.06
B00096783	Drill Core	27.9	2.5	51.3	2906.8	219	4.3	58.5	3.4	6.5	<8	1.3	15.3	0.1	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05

# CERTIFICATE OF ANALYSIS

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Method Analyte Unit MDL	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01
B00096754	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.11	1258	
B00096755	Drill Core	0.01	0.08	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.49	1487	
B00096756	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.08	0.20	753	
B00096757	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.07	0.26	1106	
B00096758	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.10	0.20	1229	
B00096759	Drill Core	0.09	0.59	0.12	0.34	0.05	0.36	0.04	<0.02	<0.02	0.08	0.15	1894	
B00096760	Drill Core	0.11	0.63	0.11	0.27	0.04	0.29	0.04	<0.02	<0.02	0.10	0.10	1607	
B00096761	Drill Core	0.13	0.79	0.16	0.43	0.06	0.38	0.06	<0.02	<0.02	0.02	0.36	1520	
B00096762	Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.09	<0.02	<0.01	1.05	631	2.04 0.57
B00096763	Drill Core	0.05	0.24	0.04	0.12	0.01	0.09	0.02	<0.02	<0.02	0.03	0.40	898	
B00096764	Drill Core	0.53	3.15	0.69	1.97	0.30	2.01	0.29	<0.02	0.17	0.01	0.08	727	
B00096765	Drill Core	0.04	0.15	0.02	0.11	0.01	0.09	<0.01	<0.02	<0.02	0.01	1.73	721	
B00096766	Drill Core	0.02	0.07	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.60	1345	
B00096767	Drill Core	<0.01	<0.05	<0.02	0.04	<0.01	0.05	<0.01	<0.02	<0.02	<0.01	1.15	1097	
B00096768	Pulp	0.19	1.01	0.18	0.53	0.07	0.47	0.07	<0.02	<0.02	<0.01	<0.01	31	
B00096769	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.45	345	
B00096770	Drill Core	<0.01	0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.08	0.17	1301	
B00096771	Drill Core	0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.07	0.78	1711	
B00096772	Drill Core	<0.01	0.07	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.15	2046	
B00096773	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	0.30	885	
B00096774	Drill Core	<0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.53	764	
B00096775	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.08	1148	
B00096776	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	1.08	990	
B00096777	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.63	550	
B00096778	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.62	1653	
B00096779	Drill Core	<0.01	0.06	<0.02	0.04	<0.01	0.06	<0.01	<0.02	<0.02	<0.01	0.93	1808	
B00096780	Pulp	0.41	2.48	0.51	1.67	0.26	1.62	0.23	<0.02	<0.02	0.06	0.51	>10000	
B00096781	Drill Core	<0.01	0.05	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.70	749	
B00096782	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.66	985	
B00096783	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.12	562	

# CERTIFICATE OF ANALYSIS

YVO1400008.1

Method	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
B00096784	Drill Core	1.00	75.10	15.77	1.23	0.23	0.26	1.35	2.60	<0.01	0.19	0.11	<0.002	<20	<1	0.7	97.50	10	102	0.7	186.0
B00096785	Drill Core	0.82	75.59	13.86	0.92	0.03	0.59	3.82	4.02	<0.01	0.09	0.10	<0.002	<20	3	0.8	99.85	169	42	0.6	70.1
B00096786	Pulp	0.09	98.52	0.69	0.09	0.04	0.03	0.02	0.15	0.05	<0.01	<0.01	<0.002	<20	<1	0.4	100.00	15	2	0.6	1.8
B00096787	Drill Core	0.47	89.40	5.38	0.95	0.05	0.25	1.15	1.82	<0.01	0.02	0.03	<0.002	<20	2	0.9	99.96	65	1	0.5	19.1
B00096788	Drill Core	0.70	75.68	13.35	0.99	0.04	0.66	3.70	4.57	<0.01	<0.01	0.06	<0.002	<20	3	0.9	99.91	191	4	0.4	29.7
B00096789	Drill Core	2.25	76.46	12.91	0.93	0.03	0.63	3.71	4.24	<0.01	<0.01	0.06	<0.002	<20	3	1.0	99.96	61	<1	0.3	9.5
B00096790	Drill Core	2.29	75.93	13.17	1.00	0.02	0.61	3.84	4.32	<0.01	<0.01	0.07	<0.002	<20	3	1.0	99.96	58	2	0.4	11.3
B00096791	Drill Core	2.95	75.36	13.45	0.88	0.02	0.62	3.89	4.39	<0.01	<0.01	0.08	<0.002	<20	3	1.3	99.97	66	3	0.4	16.2
B00096792	Drill Core	1.01	75.30	13.37	1.18	0.04	0.62	3.75	4.79	<0.01	<0.01	0.04	<0.002	<20	3	0.9	99.96	10	2	0.5	11.1
B00096793	Drill Core	1.75	75.91	13.22	0.87	0.02	0.57	3.96	4.29	<0.01	<0.01	0.08	<0.002	<20	3	1.0	99.96	73	2	0.3	16.9
B00096794	Drill Core	1.30	75.27	13.76	1.02	0.04	0.66	3.94	4.81	<0.01	<0.01	0.05	<0.002	<20	3	0.4	99.96	12	4	0.6	15.1
B00096795	Drill Core	2.45	74.59	13.25	1.70	0.03	0.60	3.30	5.40	<0.01	<0.01	0.04	<0.002	<20	4	1.1	99.97	36	2	0.7	18.9
B00096796	Drill Core	1.46	71.06	13.67	2.93	1.09	1.77	3.48	4.57	0.05	<0.01	0.09	0.006	<20	8	1.1	99.86	72	4	3.8	69.4
B00097053	Drill Core	2.22	75.43	13.53	0.94	0.05	0.67	3.81	4.60	<0.01	<0.01	0.07	<0.002	<20	3	0.9	99.95	86	4	0.4	8.3
B00097054	Drill Core	2.43	75.55	13.58	0.92	0.04	0.63	3.87	4.54	<0.01	<0.01	0.06	<0.002	<20	3	0.8	99.95	97	3	0.5	15.8
B00097055	Drill Core	2.48	75.78	13.37	0.93	0.03	0.61	3.88	4.51	<0.01	<0.01	0.07	<0.002	<20	3	0.8	99.93	118	3	0.2	28.4
B00097056	Pulp	0.01	66.13	20.48	0.25	0.04	0.16	1.79	2.77	<0.01	0.23	0.03	0.016	<20	1	0.8	92.69	10	23	0.6	>10000
B00097057	Drill Core	2.11	75.58	13.33	1.06	0.04	0.60	3.78	4.59	<0.01	<0.01	0.06	<0.002	<20	4	0.9	99.93	163	2	<0.2	53.6
B00097058	Drill Core	1.70	75.50	13.35	1.07	0.05	0.60	3.68	4.74	<0.01	<0.01	0.05	<0.002	<20	3	0.9	99.93	201	2	0.3	30.5
B00097059	Drill Core	2.40	76.14	13.29	1.08	0.04	0.63	3.72	4.59	<0.01	<0.01	0.06	<0.002	<20	3	0.4	99.92	190	4	<0.2	23.3
B00097060	Drill Core	1.96	75.66	13.33	1.01	0.04	0.65	3.85	4.56	<0.01	<0.01	0.07	<0.002	<20	3	0.8	99.94	158	1	<0.2	11.4
B00097061	Drill Core	2.37	75.96	13.41	1.07	0.04	0.63	3.76	4.59	<0.01	<0.01	0.06	<0.002	<20	3	0.4	99.93	170	<1	0.2	10.6
B00097062	Pulp	0.09	98.19	0.64	0.09	0.04	0.03	0.02	0.14	0.04	<0.01	<0.01	<0.002	<20	<1	0.8	100.01	13	<1	0.4	2.5
B00097063	Drill Core	2.32	75.94	13.50	1.01	0.04	0.63	3.86	4.48	<0.01	<0.01	0.07	<0.002	<20	3	0.4	99.92	143	5	0.4	42.4
B00097064	Drill Core	2.37	75.85	13.53	1.04	0.04	0.62	3.88	4.49	<0.01	<0.01	0.06	<0.002	<20	3	0.4	99.93	158	2	<0.2	35.5
B00097065	Drill Core	2.28	75.23	13.40	1.05	0.04	0.62	3.75	4.66	<0.01	<0.01	0.06	<0.002	<20	3	1.1	99.93	172	2	0.5	22.7
B00097066	Drill Core	1.23	76.15	13.31	1.00	0.04	0.61	3.65	4.45	<0.01	<0.01	0.07	<0.002	<20	3	0.7	99.94	156	<1	0.2	16.1
B00097067	Drill Core	2.32	76.28	13.13	0.98	0.04	0.58	3.72	4.31	<0.01	0.02	0.07	<0.002	<20	3	0.8	99.92	133	7	<0.2	45.8
B00097068	Drill Core	0.94	75.80	13.44	1.04	0.04	0.64	3.79	4.53	<0.01	<0.01	0.07	<0.002	<20	3	0.6	99.94	164	3	0.2	17.7
B00097069	Drill Core	2.40	76.11	13.38	1.01	0.04	0.64	3.77	4.43	<0.01	<0.01	0.07	<0.002	<20	3	0.5	99.92	136	4	0.3	40.6

# CERTIFICATE OF ANALYSIS

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Method Analyte Unit MDL	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
B00096784	Drill Core	30.6	1.0	35.7	2870.9	1270	13.3	93.1	0.4	1.3	<8	1.8	4.1	0.5	0.4	0.3	0.04	<0.3	<0.05	0.02	0.05
B00096785	Drill Core	20.5	2.4	18.5	660.0	34	37.1	14.7	10.9	5.4	<8	1.9	43.5	13.2	10.5	21.5	2.43	8.8	2.17	0.21	2.16
B00096786	Pulp	<0.5	1.4	1.1	4.6	2	3.9	0.5	1.9	0.3	12	<0.5	58.5	3.8	12.4	22.1	2.88	10.4	1.71	0.30	1.32
B00096787	Drill Core	6.9	0.8	6.0	124.4	10	15.5	1.3	5.7	3.0	<8	2.7	16.6	6.8	5.6	11.1	1.26	4.4	1.10	0.08	1.15
B00096788	Drill Core	14.9	2.3	9.2	291.6	5	45.1	2.0	15.1	6.6	<8	1.6	47.0	17.2	14.6	28.8	3.42	11.9	3.00	0.25	3.08
B00096789	Drill Core	15.1	2.5	9.0	218.7	2	25.6	1.4	13.4	7.4	<8	2.1	45.8	16.5	11.2	22.5	2.70	10.4	2.70	0.16	2.92
B00096790	Drill Core	15.9	2.5	8.9	229.0	2	26.5	1.3	15.6	8.0	<8	1.2	43.6	21.3	11.8	24.3	2.92	11.1	3.00	0.13	3.36
B00096791	Drill Core	15.4	2.3	8.3	230.6	2	28.4	1.2	13.8	8.4	<8	3.4	44.5	22.1	11.1	21.7	2.70	9.9	2.73	0.15	3.01
B00096792	Drill Core	14.7	2.8	11.3	214.9	1	16.6	1.6	17.7	8.6	<8	2.0	54.7	19.2	11.7	23.7	2.92	11.1	2.87	0.09	3.24
B00096793	Drill Core	15.0	2.5	8.5	199.2	2	22.7	1.3	11.4	8.8	<8	1.5	42.7	21.8	10.7	22.5	2.49	8.7	2.53	0.14	3.02
B00096794	Drill Core	14.5	2.7	10.7	199.7	<1	18.6	1.4	17.6	9.3	<8	2.4	51.9	20.9	12.2	24.2	3.04	11.1	2.88	0.10	3.33
B00096795	Drill Core	14.5	2.0	13.1	216.6	2	36.8	1.4	11.5	5.9	<8	1.4	36.1	14.2	7.8	15.4	1.94	7.3	2.06	0.17	2.23
B00096796	Drill Core	15.5	2.0	14.8	196.1	5	48.9	2.8	10.5	5.9	27	162.2	38.3	15.9	8.2	16.9	1.95	7.5	1.99	0.26	2.29
B00097053	Drill Core	13.8	2.4	9.4	209.0	1	29.7	1.3	15.1	8.8	<8	0.6	44.7	19.3	13.2	25.7	2.93	10.2	2.71	0.17	2.80
B00097054	Drill Core	13.5	2.2	9.0	211.8	2	31.1	1.1	15.2	9.9	<8	1.1	44.6	18.2	12.6	24.1	2.95	11.1	2.60	0.18	2.88
B00097055	Drill Core	13.9	2.1	8.8	222.7	2	35.2	1.2	13.7	9.3	11	1.4	42.6	16.8	12.5	23.3	2.80	10.4	2.60	0.17	2.82
B00097056	Pulp	53.5	1.2	18.4	3965.9	68	23.8	62.9	0.9	2.7	9	0.7	7.4	0.1	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
B00097057	Drill Core	14.4	2.1	10.4	220.9	2	39.6	1.6	14.8	6.2	<8	0.9	42.3	15.0	14.6	27.9	3.36	11.9	3.00	0.24	2.95
B00097058	Drill Core	13.8	2.1	9.9	241.4	2	45.7	1.2	15.0	5.8	8	1.1	45.0	14.8	14.7	27.3	3.30	12.1	2.85	0.25	2.83
B00097059	Drill Core	13.3	2.3	10.1	241.1	4	48.1	1.2	14.4	5.3	<8	1.3	47.0	16.2	14.4	28.8	3.46	12.2	2.92	0.25	3.21
B00097060	Drill Core	13.4	2.9	9.5	222.8	1	44.6	1.0	16.0	7.9	<8	0.8	58.2	23.5	13.4	25.9	3.13	11.2	2.94	0.22	3.33
B00097061	Drill Core	13.4	2.4	10.0	218.8	2	44.3	1.1	14.9	6.9	<8	0.9	52.0	19.0	15.2	31.5	3.59	12.4	3.22	0.24	3.36
B00097062	Pulp	<0.5	1.4	1.1	3.8	<1	4.2	<0.1	1.9	0.3	8	<0.5	58.9	3.1	12.3	21.9	2.86	10.5	1.67	0.34	1.22
B00097063	Drill Core	14.5	2.2	8.9	242.5	5	41.1	1.9	14.6	6.8	10	1.5	45.5	17.8	13.4	26.2	3.17	12.2	2.94	0.23	2.84
B00097064	Drill Core	13.5	2.3	9.1	215.8	2	40.6	1.1	13.7	6.4	<8	0.8	45.1	16.3	12.8	26.4	2.98	11.6	2.68	0.26	2.87
B00097065	Drill Core	13.5	2.1	10.7	233.5	3	42.0	1.3	14.4	5.4	<8	1.5	48.1	17.1	14.6	27.9	3.28	11.8	2.81	0.25	2.89
B00097066	Drill Core	13.2	2.1	8.4	219.5	2	41.8	1.1	14.9	7.8	<8	0.9	46.6	18.8	14.8	29.2	3.26	12.0	2.74	0.25	3.00
B00097067	Drill Core	14.4	2.4	10.4	318.9	7	39.3	8.2	13.3	6.5	<8	2.0	46.3	17.7	12.8	25.0	3.00	10.7	2.56	0.21	2.93
B00097068	Drill Core	15.6	2.4	9.6	234.2	2	43.1	1.4	14.5	7.4	<8	0.9	49.0	17.9	14.8	29.6	3.39	12.2	3.05	0.25	3.15
B00097069	Drill Core	15.0	2.6	9.1	320.7	7	38.7	4.4	13.7	6.8	<8	1.2	47.3	17.7	12.5	24.9	2.89	10.6	2.41	0.23	2.82



# CERTIFICATE OF ANALYSIS

YVO1400008.1

Method	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01
B00096784	Drill Core	0.01	0.06	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	0.04	0.02	1.03	1349	
B00096785	Drill Core	0.39	2.12	0.42	1.16	0.15	0.97	0.15	<0.02	<0.02	0.02	0.02	1031	
B00096786	Pulp	0.16	0.77	0.15	0.39	0.06	0.37	0.06	<0.02	<0.02	<0.01	<0.01	37	
B00096787	Drill Core	0.20	1.10	0.21	0.58	0.09	0.51	0.08	0.03	0.37	<0.01	<0.01	200	
B00096788	Drill Core	0.51	2.87	0.54	1.39	0.22	1.46	0.22	0.04	0.06	<0.01	<0.01	625	
B00096789	Drill Core	0.48	2.59	0.54	1.61	0.25	1.58	0.24	0.04	0.26	<0.01	<0.01	168	
B00096790	Drill Core	0.60	3.50	0.72	2.01	0.31	2.05	0.29	0.04	0.27	<0.01	<0.01	226	
B00096791	Drill Core	0.55	3.41	0.71	2.01	0.31	1.97	0.30	0.02	0.26	<0.01	<0.01	310	
B00096792	Drill Core	0.57	3.46	0.75	2.08	0.32	2.16	0.33	0.04	0.32	<0.01	<0.01	218	
B00096793	Drill Core	0.56	3.45	0.76	2.16	0.33	2.23	0.32	0.03	0.24	<0.01	<0.01	221	
B00096794	Drill Core	0.56	3.24	0.73	2.10	0.32	2.01	0.32	0.04	0.22	<0.01	<0.01	217	
B00096795	Drill Core	0.39	2.52	0.53	1.43	0.22	1.50	0.22	<0.02	0.37	<0.01	<0.01	291	
B00096796	Drill Core	0.42	2.75	0.54	1.69	0.26	1.69	0.26	0.03	0.23	<0.01	0.01	765	
B00097053	Drill Core	0.48	3.10	0.65	1.98	0.31	2.04	0.32	0.07	0.05	<0.01	<0.01	115	
B00097054	Drill Core	0.49	3.06	0.61	1.75	0.27	1.77	0.27	0.05	0.07	<0.01	<0.01	151	
B00097055	Drill Core	0.49	2.85	0.59	1.64	0.24	1.83	0.25	0.05	0.05	<0.01	<0.01	315	
B00097056	Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	<0.01	1.56	911	4.10 0.47
B00097057	Drill Core	0.48	2.46	0.47	1.41	0.20	1.35	0.19	0.05	0.04	<0.01	<0.01	191	
B00097058	Drill Core	0.47	2.58	0.46	1.25	0.18	1.13	0.17	0.05	0.05	<0.01	<0.01	262	
B00097059	Drill Core	0.51	2.99	0.54	1.39	0.19	1.22	0.19	0.04	0.05	<0.01	<0.01	357	
B00097060	Drill Core	0.61	3.50	0.69	1.93	0.27	1.73	0.26	0.06	0.04	<0.01	<0.01	172	
B00097061	Drill Core	0.56	3.18	0.65	1.75	0.26	1.60	0.23	0.08	0.03	<0.01	<0.01	316	
B00097062	Pulp	0.14	0.77	0.11	0.40	0.04	0.32	0.05	<0.02	<0.02	<0.01	<0.01	34	
B00097063	Drill Core	0.50	2.94	0.58	1.73	0.26	1.68	0.27	0.03	0.08	<0.01	<0.01	565	
B00097064	Drill Core	0.51	2.82	0.54	1.49	0.22	1.52	0.20	0.04	0.03	<0.01	<0.01	316	
B00097065	Drill Core	0.49	2.69	0.53	1.62	0.22	1.46	0.25	0.03	0.04	0.01	<0.01	284	
B00097066	Drill Core	0.53	3.13	0.61	1.80	0.26	1.76	0.27	0.05	0.06	<0.01	<0.01	252	
B00097067	Drill Core	0.49	2.87	0.55	1.57	0.23	1.59	0.23	0.02	0.05	0.02	<0.01	484	
B00097068	Drill Core	0.52	3.07	0.61	1.54	0.22	1.56	0.24	0.03	0.06	<0.01	<0.01	202	
B00097069	Drill Core	0.50	3.16	0.63	1.73	0.25	1.71	0.26	0.03	0.05	<0.01	<0.01	595	



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**Client:** **Houston Lake Mining**  
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**Project:** None Given  
**Report Date:** July 28, 2014

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**Part:** 1 of 3

# CERTIFICATE OF ANALYSIS

YVO14000008.1

Method	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
B00097070	Drill Core	2.48	70.76	15.99	1.15	0.04	0.78	4.43	5.60	<0.01	0.01	0.07	<0.002	<20	4	1.0	99.85	172	7	0.3	49.4
B00097074	Pulp	0.01	78.30	10.75	0.63	0.02	1.29	2.18	2.16	<0.01	1.10	0.29	0.003	<20	<1	1.3	98.04	14	538	0.8	699.6



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Project: None Given  
Report Date: July 28, 2014

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# CERTIFICATE OF ANALYSIS

YVO14000008.1

Method	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
Analyte	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
B00097070	Drill Core	17.2	2.8	10.2	413.0	11	45.9	2.5	15.7	5.8	<8	18.7	55.5	18.9	16.0	30.6	3.71	13.4	3.19	0.24	3.34
B00097074	Pulp	36.7	2.2	80.8	3581.1	101	14.2	133.2	7.8	3.8	<8	5.3	18.7	15.5	9.9	21.4	2.61	10.0	2.30	0.38	2.31



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Project: None Given  
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# CERTIFICATE OF ANALYSIS

YVO14000008.1

Method	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01
B00097070	Drill Core	0.57	3.41	0.67	1.85	0.31	1.84	0.30	<0.02	0.14	0.02	<0.01	1464	
B00097074	Pulp	0.39	2.44	0.52	1.67	0.23	1.56	0.22	0.03	<0.02	0.07	0.46	>10000	

# QUALITY CONTROL REPORT

YVO14000008.1

Method	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
B00096599	Drill Core	2.73	80.87	9.63	0.26	0.03	0.19	0.87	2.91	<0.01	1.66	0.13	<0.002	<20	<1	1.5	98.03	33	214	0.3	716.8
B00096669	Drill Core	3.12	73.06	15.23	0.84	0.01	0.60	4.35	4.87	<0.01	0.22	0.05	<0.002	<20	2	0.4	99.63	158	13	0.2	517.6
B00096740	Drill Core	1.35	75.01	17.05	0.23	0.02	0.13	0.38	2.38	<0.01	0.16	0.07	<0.002	<20	<1	0.8	96.22	17	34	0.3	281.7
B00096775	Drill Core	2.57	74.91	16.24	0.36	0.01	0.15	2.81	1.95	<0.01	0.33	0.20	<0.002	<20	<1	0.6	97.59	4	145	0.3	174.2
B00097066	Drill Core	1.23	76.15	13.31	1.00	0.04	0.61	3.65	4.45	<0.01	<0.01	0.07	<0.002	<20	3	0.7	99.94	156	<1	0.2	16.1
Pulp Duplicates																					
B00096390	Pulp	0.01	68.76	18.54	0.62	0.05	0.18	2.24	4.02	<0.01	0.26	0.03	0.031	33	<1	1.1	95.81	12	35	1.3	>10000
REP B00096390		QC																			
B00096391	Drill Core	1.12	72.02	16.63	0.34	<0.01	0.52	8.69	0.32	<0.01	0.47	0.14	<0.002	<20	<1	0.6	99.76	6	19	0.3	65.9
REP B00096391		QC																			
B00096396	Pulp	0.09	98.17	0.68	0.04	0.04	0.03	0.02	0.16	0.05	<0.01	<0.01	<0.002	<20	<1	0.8	100.01	16	<1	<0.2	1.0
REP B00096396		QC																			
B00096399	Drill Core	2.38	77.94	14.70	0.15	0.05	0.16	0.39	1.78	<0.01	0.12	0.08	<0.002	<20	<1	0.9	96.29	22	40	<0.2	467.2
REP B00096399		QC																			
REP B00096591			65.24	18.85	0.09	<0.01	0.11	1.96	9.13	<0.01	0.34	0.13	<0.002	<20	<1	2.2	98.09	61	165	0.3	1040.2
B00096601	Drill Core	2.29	85.20	6.99	0.16	0.01	0.05	0.23	1.74	<0.01	1.81	0.09	<0.002	<20	<1	1.7	97.98	5	690	0.3	751.3
REP B00096601		QC																			
B00096611	Drill Core	2.87	69.73	16.60	0.16	<0.01	0.15	2.11	9.63	<0.01	0.37	0.06	<0.002	<20	<1	0.7	99.52	46	83	0.2	875.5
REP B00096611		QC																			
B00096616	Drill Core	2.77	73.76	14.64	0.75	0.03	0.35	3.68	4.00	<0.01	0.23	0.07	<0.002	<20	2	1.4	98.90	122	11	0.2	665.9
REP B00096616		QC																			
B00096619	Drill Core	2.91	72.37	15.83	0.37	0.01	0.24	2.40	7.39	<0.01	0.24	0.05	<0.002	<20	<1	0.5	99.43	57	33	<0.2	588.9
REP B00096619		QC																			
B00096634	Drill Core	2.71	71.23	15.91	0.19	0.02	0.23	2.10	8.44	<0.01	0.41	0.06	<0.002	<20	<1	0.7	99.28	76	551	<0.2	727.7
REP B00096634			71.20	15.94	0.24	0.01	0.23	2.10	8.42	<0.01	0.40	0.05	<0.002	<20	<1	0.7	99.29	66	525	<0.2	715.5
B00096636	Pulp	0.01	77.79	11.04	0.67	0.02	1.33	2.26	2.28	<0.01	1.16	0.30	0.004	<20	<1	1.3	98.13	16	528	0.9	691.9
REP B00096636		QC																			
B00096646	Drill Core	2.70	70.19	16.12	0.40	0.02	0.27	2.03	7.90	<0.01	0.40	0.17	<0.002	<20	<1	1.2	98.68	57	256	0.3	854.8
REP B00096646		QC																			

# QUALITY CONTROL REPORT

YVO14000008.1

Method	Unit	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
B00096599	Drill Core	34.0	1.1	25.6	3638.3	139	9.0	78.8	3.6	2.9	<8	3.4	10.0	3.4	3.2	6.0	0.68	2.5	0.64	0.07	0.68
B00096669	Drill Core	20.7	2.0	10.6	1276.4	19	40.5	66.0	9.8	6.0	<8	1.0	31.2	11.8	10.3	20.2	2.30	8.1	1.98	0.19	1.93
B00096740	Drill Core	22.8	0.2	24.3	2171.1	45	2.6	43.8	0.4	0.7	<8	1.0	1.4	0.6	0.4	0.6	0.04	<0.3	<0.05	0.03	<0.05
B00096775	Drill Core	30.1	1.2	54.1	2136.5	164	5.6	62.1	1.5	5.4	<8	1.4	8.2	0.3	0.4	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
B00097066	Drill Core	13.2	2.1	8.4	219.5	2	41.8	1.1	14.9	7.8	<8	0.9	46.6	18.8	14.8	29.2	3.26	12.0	2.74	0.25	3.00
Pulp Duplicates																					
B00096390	Pulp	56.9	1.1	19.8	4883.6	60	21.1	70.0	1.1	3.1	<8	1.1	7.6	0.1	0.3	0.2	0.04	<0.3	<0.05	<0.02	<0.05
REP B00096390	QC																				
B00096391	Drill Core	44.1	1.9	70.8	263.2	68	20.6	130.4	1.1	5.2	<8	1.3	10.1	1.6	2.2	3.5	0.35	1.1	0.21	0.12	0.22
REP B00096391	QC																				
B00096396	Pulp	4.2	1.5	2.0	5.3	<1	4.1	0.2	2.7	0.3	<8	1.0	60.0	3.9	13.8	27.5	3.48	12.3	1.99	0.36	1.44
REP B00096396	QC																				
B00096399	Drill Core	19.3	0.5	14.5	2113.0	54	5.7	35.1	2.1	1.3	<8	2.1	6.9	2.1	2.2	3.8	0.42	1.3	0.38	0.03	0.35
REP B00096399	QC																				
REP B00096591	QC	52.0	0.9	38.0	9603.9	236	19.9	93.0	1.3	1.6	24	4.7	7.3	0.5	1.5	1.0	0.07	<0.3	<0.05	<0.02	0.06
B00096601	Drill Core	28.5	0.4	22.0	2789.2	168	4.4	58.5	0.6	1.6	<8	2.9	2.4	1.0	1.7	3.2	0.28	1.1	0.27	0.04	0.30
REP B00096601	QC																				
B00096611	Drill Core	32.0	0.6	19.8	8803.7	36	20.0	57.9	0.9	2.0	<8	1.0	2.9	0.4	0.4	0.5	0.04	<0.3	<0.05	<0.02	<0.05
REP B00096611	QC																				
B00096616	Drill Core	25.1	1.8	15.7	4027.1	54	26.6	44.4	10.2	4.2	<8	4.8	35.4	9.3	10.4	20.9	2.37	8.9	1.90	0.18	1.77
REP B00096616	QC																				
B00096619	Drill Core	36.1	0.8	23.2	6418.5	55	20.2	50.0	3.6	2.1	<8	2.0	13.1	3.6	2.6	5.1	0.59	2.2	0.49	0.07	0.58
REP B00096619	QC																				
B00096634	Drill Core	31.0	1.5	47.1	7550.8	100	14.3	87.2	0.7	2.3	<8	1.8	7.2	0.5	0.8	1.2	0.07	<0.3	0.15	<0.02	0.06
REP B00096634	QC	31.5	1.5	42.0	7486.0	109	13.7	80.3	0.8	1.8	<8	1.9	5.9	0.7	0.9	1.1	0.07	<0.3	0.15	0.03	0.08
B00096636	Pulp	38.4	2.0	72.5	3596.3	105	13.5	138.2	7.7	3.6	<8	4.1	17.5	14.5	9.1	22.8	2.48	9.8	2.11	0.39	2.20
REP B00096636	QC																				
B00096646	Drill Core	39.3	2.4	38.0	7761.7	100	11.3	53.7	2.6	3.4	<8	3.4	13.4	1.2	1.2	2.1	0.20	0.7	0.17	0.04	0.19
REP B00096646	QC																				

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Method	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700	
Analyte	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%	
MDL	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01	
B00096599	Drill Core	0.10	0.53	0.11	0.32	0.06	0.38	0.05	<0.02	<0.02	0.02	0.51	>10000		
B00096669	Drill Core	0.34	1.78	0.33	0.87	0.13	0.79	0.12	<0.02	<0.02	0.10	0.09	1562		
B00096740	Drill Core	0.01	0.06	<0.02	0.05	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	1.75	1523		
B00096775	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	1.08	1148		
B00097066	Drill Core	0.53	3.13	0.61	1.80	0.26	1.76	0.27	0.05	0.06	<0.01	<0.01	252		
Pulp Duplicates															
B00096390	Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.07	<0.02	<0.01	1.10	750	2.09	0.57
REP B00096390	QC													2.06	0.56
B00096391	Drill Core	0.03	0.18	0.04	0.09	0.02	0.15	0.03	<0.02	<0.02	0.11	0.05	1432		
REP B00096391	QC												1490		
B00096396	Pulp	0.16	0.87	0.16	0.50	0.07	0.41	0.07	<0.02	<0.02	<0.01	<0.01	56		
REP B00096396	QC								<0.02	<0.02					
B00096399	Drill Core	0.06	0.37	0.07	0.17	0.03	0.18	0.02	<0.02	<0.02	0.03	1.56	4271		
REP B00096399	QC										0.03				
REP B00096591	QC	<0.01	0.12	<0.02	0.03	<0.01	<0.05	<0.01							
B00096601	Drill Core	0.04	0.16	0.03	0.05	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.48	>10000		
REP B00096601	QC											0.47			
B00096611	Drill Core	<0.01	<0.05	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.10	2315		
REP B00096611	QC												2315		
B00096616	Drill Core	0.27	1.53	0.28	0.89	0.14	0.88	0.13	<0.02	<0.02	0.09	0.30	6934		
REP B00096616	QC								<0.02	<0.02					
B00096619	Drill Core	0.09	0.56	0.10	0.37	0.05	0.36	0.05	<0.02	<0.02	0.06	0.14	3179		
REP B00096619	QC										0.12				
B00096634	Drill Core	0.01	0.15	0.02	0.06	<0.01	0.06	0.01	<0.02	<0.02	0.05	0.12	2240		
REP B00096634	QC	0.01	0.09	0.03	0.05	<0.01	0.08	<0.01							
B00096636	Pulp	0.39	2.41	0.51	1.51	0.23	1.40	0.21	0.02	<0.02	0.07	0.48	>10000		
REP B00096636	QC											0.47			
B00096646	Drill Core	0.03	0.21	0.03	0.13	0.02	0.17	0.03	<0.02	<0.02	0.07	0.35	6473		
REP B00096646	QC												6282		

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		WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
B00096651	Drill Core	3.08	75.53	13.57	1.12	0.04	0.66	3.48	4.56	0.01	0.03	0.07	<0.002	<20	3	0.6	99.69	211	10	<0.2	120.6	
REP B00096651	QC																					
B00096654	Pulp	0.02	71.20	16.09	0.44	0.05	0.24	2.86	5.80	<0.01	0.31	0.02	0.036	<20	<1	1.4	98.47	17	33	0.6	5419.2	
REP B00096654	QC																					
B00096662	Drill Core	2.52	74.29	15.17	0.53	0.01	0.27	3.88	3.34	<0.01	0.24	0.13	<0.002	<20	1	1.0	98.82	42	241	0.3	447.2	
REP B00096662	QC		74.20	15.17	0.51	0.01	0.28	3.93	3.40	<0.01	0.25	0.13	<0.002	<20	<1	1.0	98.84	38	256	0.2	433.3	
B00096671	Drill Core	2.30	75.35	13.35	1.06	0.01	0.68	3.47	4.59	<0.01	0.03	0.06	<0.002	<20	3	1.1	99.69	173	3	<0.2	334.6	
REP B00096671	QC																					
B00096681	Drill Core	2.82	76.32	13.88	1.17	0.02	0.41	4.65	1.99	<0.01	0.14	0.09	<0.002	<20	2	0.9	99.60	52	3	0.3	400.3	
REP B00096681	QC																					
B00096688	Drill Core	2.42	73.95	16.13	0.46	<0.01	0.22	7.36	0.42	<0.01	0.31	0.15	<0.002	<20	<1	0.3	99.31	1	102	0.3	93.8	
REP B00096688	QC																					
B00096689	Drill Core	2.36	72.90	16.72	0.52	<0.01	0.26	6.81	0.55	<0.01	0.39	0.21	<0.002	<20	<1	0.6	98.97	2	183	0.3	138.9	
REP B00096689	QC																					
REP B00096705	QC		76.37	17.36	0.06	0.01	0.02	0.27	0.16	<0.01	0.01	0.02	<0.002	<20	<1	0.9	95.23	2	5	<0.2	97.3	
B00096706	Drill Core	2.67	73.35	16.83	0.28	<0.01	0.16	3.04	3.27	<0.01	0.20	0.08	<0.002	<20	<1	0.6	97.77	17	43	0.4	605.6	
REP B00096706	QC																					
B00096716	Drill Core	2.50	75.04	16.74	0.14	<0.01	0.03	0.76	2.51	<0.01	0.09	0.05	<0.002	<20	<1	0.9	96.30	17	34	0.4	386.4	
REP B00096716	QC																					
B00096724	Drill Core	2.55	73.73	17.15	0.11	<0.01	0.08	0.69	3.33	<0.01	0.13	0.03	<0.002	<20	<1	1.3	96.50	26	35	0.4	374.7	
REP B00096724	QC																					
B00096742	Drill Core	2.40	74.84	14.67	0.73	0.02	0.48	3.68	4.16	<0.01	0.13	0.09	<0.002	<20	2	0.4	99.24	114	8	0.3	197.2	
REP B00096742	QC																					
B00096746	Drill Core	2.39	75.58	13.92	1.06	0.03	0.65	3.70	4.35	<0.01	<0.01	0.08	<0.002	<20	2	0.3	99.68	162	4	0.2	208.1	
REP B00096746	QC		75.67	13.83	1.08	0.03	0.65	3.72	4.28	<0.01	0.02	0.08	0.003	<20	2	0.3	99.67	168	5	0.5	210.0	
B00096751	Drill Core	2.55	73.27	16.00	0.62	<0.01	0.19	5.47	2.56	<0.01	0.36	0.16	<0.002	<20	<1	0.5	99.15	9	158	0.8	342.6	
REP B00096751	QC																					
B00096759	Drill Core	2.44	73.66	15.49	0.54	<0.01	0.24	6.14	2.09	<0.01	0.32	0.15	<0.002	<20	<1	0.8	99.45	2	150	0.4	305.7	
REP B00096759	QC																					



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		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
B00096651	Drill Core	13.4	2.2	12.3	561.9	10	48.1	4.8	14.0	7.8	<8	1.2	46.8	15.0	13.4	27.8	3.06	11.6	2.52	0.25	2.68
REP B00096651	QC																				
B00096654	Pulp	55.7	1.2	20.4	6457.6	55	23.2	65.8	1.6	3.3	8	0.7	7.6	<0.1	<0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
REP B00096654	QC																				
B00096662	Drill Core	34.1	1.2	59.4	2946.9	63	13.1	103.3	5.9	4.6	<8	3.6	13.7	4.4	3.2	6.7	0.73	2.3	0.67	0.07	0.60
REP B00096662	QC	34.5	1.4	64.5	2940.2	61	12.3	111.3	5.9	5.0	<8	2.9	16.3	4.1	3.6	7.5	0.82	3.4	0.73	0.07	0.68
B00096671	Drill Core	13.2	1.9	8.6	402.6	6	44.2	2.3	14.7	5.0	<8	1.1	39.3	15.2	14.7	29.4	3.29	12.0	2.78	0.25	2.77
REP B00096671	QC																				
B00096681	Drill Core	25.9	5.2	76.7	1304.7	34	16.7	55.0	10.3	15.2	<8	1.9	60.4	12.3	7.1	14.5	1.68	6.2	1.78	0.10	1.81
REP B00096681	QC																				
B00096688	Drill Core	33.9	1.5	66.8	397.3	27	7.1	84.5	2.5	4.5	<8	1.2	9.7	0.3	0.2	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
REP B00096688	QC																				
B00096689	Drill Core	37.1	2.6	80.7	609.6	290	8.3	104.7	3.9	5.5	<8	1.0	15.8	0.4	0.3	0.5	0.03	<0.3	<0.05	<0.02	<0.05
REP B00096689	QC																				
REP B00096705	QC	13.7	0.2	4.5	230.4	16	1.9	13.8	<0.2	0.5	<8	0.6	1.5	0.2	0.4	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096706	Drill Core	29.8	1.2	41.2	3157.7	24	8.4	69.9	1.4	2.7	<8	3.6	8.0	0.7	0.3	0.8	0.07	<0.3	0.07	0.02	0.13
REP B00096706	QC																				
B00096716	Drill Core	19.1	0.3	15.6	2269.0	23	4.4	31.3	0.3	1.2	<8	1.7	2.5	0.2	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
REP B00096716	QC																				
B00096724	Drill Core	19.3	0.4	8.2	2755.4	50	4.6	26.6	0.3	0.6	<8	0.5	1.9	0.3	0.3	0.3	0.03	<0.3	<0.05	<0.02	<0.05
REP B00096724	QC																				
B00096742	Drill Core	19.0	2.0	24.2	1461.1	49	32.8	24.3	11.5	6.5	<8	1.3	36.8	9.8	9.4	19.2	2.15	7.9	1.76	0.15	1.75
REP B00096742	QC																				
B00096746	Drill Core	13.5	3.0	9.0	885.0	14	45.8	2.3	17.0	5.8	<8	2.4	65.1	17.0	14.5	31.2	3.54	12.4	2.69	0.26	2.66
REP B00096746	QC	14.4	2.3	9.5	881.6	14	46.6	3.2	15.3	5.8	<8	1.8	50.6	17.8	14.3	29.4	3.30	11.9	2.74	0.25	2.68
B00096751	Drill Core	34.9	1.5	80.0	2454.4	58	7.1	104.5	2.2	4.7	<8	1.5	11.2	0.6	0.8	0.5	<0.02	<0.3	<0.05	<0.02	<0.05
REP B00096751	QC																				
B00096759	Drill Core	34.6	2.3	75.3	2222.4	107	4.9	97.1	4.8	9.9	<8	2.2	18.0	4.4	1.6	3.9	0.43	1.4	0.40	<0.02	0.50
REP B00096759	QC																				

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		LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01
B00096651	Drill Core	0.44	2.54	0.46	1.36	0.19	1.27	0.19	0.02	<0.02	0.01	0.09	1070		
REP B00096651	QC								0.02	<0.02					
B00096654	Pulp	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.08	<0.02	<0.01	0.43	440		
REP B00096654	QC										<0.01				
B00096662	Drill Core	0.11	0.61	0.12	0.40	0.06	0.40	0.06	<0.02	<0.02	0.05	0.37	3955		
REP B00096662	QC	0.11	0.68	0.13	0.40	0.06	0.39	0.07							
B00096671	Drill Core	0.46	2.52	0.46	1.22	0.19	1.17	0.16	<0.02	<0.02	0.01	0.09	936		
REP B00096671	QC											0.09			
B00096681	Drill Core	0.35	2.07	0.37	1.12	0.15	1.02	0.15	<0.02	<0.02	0.18	0.10	1681		
REP B00096681	QC								<0.02	<0.02					
B00096688	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.13	0.28	760		
REP B00096688	QC												739		
B00096689	Drill Core	0.01	0.07	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.14	0.39	921		
REP B00096689	QC										0.14				
REP B00096705	QC	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01							
B00096706	Drill Core	0.03	0.13	<0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.06	0.97	2552		
REP B00096706	QC											0.99			
B00096716	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.68	1423		
REP B00096716	QC								<0.02	<0.02			1396		
B00096724	Drill Core	0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	1.63	807		
REP B00096724	QC										0.01				
B00096742	Drill Core	0.29	1.66	0.34	1.10	0.17	1.14	0.17	<0.02	0.05	0.01	0.31	944		
REP B00096742	QC											0.31			
B00096746	Drill Core	0.44	2.61	0.54	1.52	0.25	1.63	0.25	<0.02	0.06	<0.01	0.10	950		
REP B00096746	QC	0.46	2.61	0.51	1.62	0.25	1.67	0.25							
B00096751	Drill Core	<0.01	0.05	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.09	0.30	1575		
REP B00096751	QC								<0.02	<0.02			1631		
B00096759	Drill Core	0.09	0.59	0.12	0.34	0.05	0.36	0.04	<0.02	<0.02	0.08	0.15	1894		
REP B00096759	QC										0.08				

# QUALITY CONTROL REPORT

YVO14000008.1

		WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs
		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm
		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1
B00096770	Drill Core	3.30	73.81	15.79	0.49	<0.01	0.25	5.69	2.58	<0.01	0.35	0.14	<0.002	<20	<1	0.3	99.43	6	173	0.2	277.6
REP B00096770	QC																				
B00096777	Drill Core	1.35	71.43	16.68	0.23	0.01	0.14	1.61	7.57	<0.01	0.29	0.10	<0.002	<20	<1	0.6	98.63	13	100	0.3	230.2
REP B00096777	QC																				
B00096786	Pulp	0.09	98.52	0.69	0.09	0.04	0.03	0.02	0.15	0.05	<0.01	<0.01	<0.002	<20	<1	0.4	100.00	15	2	0.6	1.8
REP B00096786	QC																				
B00096793	Drill Core	1.75	75.91	13.22	0.87	0.02	0.57	3.96	4.29	<0.01	<0.01	0.08	<0.002	<20	3	1.0	99.96	73	2	0.3	16.9
REP B00096793	QC																				
B00096794	Drill Core	1.30	75.27	13.76	1.02	0.04	0.66	3.94	4.81	<0.01	<0.01	0.05	<0.002	<20	3	0.4	99.96	12	4	0.6	15.1
REP B00096794	QC																				
B00097058	Drill Core	1.70	75.50	13.35	1.07	0.05	0.60	3.68	4.74	<0.01	<0.01	0.05	<0.002	<20	3	0.9	99.93	201	2	0.3	30.5
REP B00097058	QC		75.33	13.43	1.07	0.05	0.60	3.72	4.77	<0.01	<0.01	0.05	<0.002	<20	3	0.9	99.93	201	3	<0.2	25.4
B00097068	Drill Core	0.94	75.80	13.44	1.04	0.04	0.64	3.79	4.53	<0.01	<0.01	0.07	<0.002	<20	3	0.6	99.94	164	3	0.2	17.7
REP B00097068	QC																				
Core Reject Duplicates																					
B00096591	Drill Core	2.42	64.64	19.07	0.13	0.01	0.11	2.00	9.38	<0.01	0.35	0.13	<0.002	<20	<1	2.2	98.04	62	170	<0.2	1093.5
DUP B00096591	QC		64.86	18.94	0.10	<0.01	0.11	1.99	9.36	<0.01	0.34	0.13	<0.002	<20	<1	2.2	98.06	61	170	0.5	1102.8
B00096629	Drill Core	2.99	74.37	13.75	0.28	0.01	0.54	2.19	5.45	<0.01	0.63	0.19	<0.002	<20	<1	1.1	98.46	35	293	0.3	820.7
DUP B00096629	QC		74.36	13.80	0.28	0.01	0.51	2.16	5.54	<0.01	0.59	0.18	<0.002	<20	<1	1.1	98.50	32	259	<0.2	834.2
B00096667	Drill Core	2.32	68.82	18.25	0.14	0.06	0.10	2.03	8.16	<0.01	0.24	0.09	<0.002	<20	<1	0.7	98.64	39	210	<0.2	576.3
DUP B00096667	QC		68.82	18.06	0.16	0.07	0.11	2.04	8.39	<0.01	0.22	0.07	<0.002	<20	<1	0.7	98.69	41	236	<0.2	570.5
B00096705	Drill Core	2.32	76.40	17.38	0.06	<0.01	0.03	0.28	0.18	<0.01	0.02	0.02	<0.002	<20	<1	0.9	95.33	2	5	<0.2	106.4
DUP B00096705	QC		76.35	17.45	0.04	0.01	0.02	0.28	0.16	<0.01	0.02	0.02	<0.002	<20	<1	0.9	95.29	2	3	<0.2	93.6
B00096743	Drill Core	2.37	76.07	13.43	1.08	0.03	0.67	3.56	4.55	<0.01	0.02	0.08	<0.002	<20	3	0.3	99.79	177	3	0.3	31.8
DUP B00096743	QC		76.16	13.41	1.04	0.03	0.67	3.56	4.53	<0.01	0.01	0.08	<0.002	<20	3	0.3	99.79	180	2	0.4	33.4
B00096781	Drill Core	2.25	71.67	16.45	0.37	<0.01	0.16	1.34	7.26	<0.01	0.35	0.12	<0.002	<20	<1	0.7	98.43	15	113	0.4	203.1
DUP B00096781	QC		71.73	16.40	0.29	0.01	0.17	1.36	7.27	<0.01	0.35	0.13	<0.002	<20	<1	0.7	98.40	17	116	0.4	207.8
Reference Materials																					
STD 183	Standard																				

## QUALITY CONTROL REPORT

YVO14000008.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
B00096770	Drill Core	36.5	3.2	73.5	2594.1	99	7.6	74.1	3.1	12.8	<8	1.7	21.9	0.4	0.2	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
REP B00096770	QC																				
B00096777	Drill Core	23.3	0.3	26.9	6165.3	35	6.0	22.5	0.3	0.8	<8	0.9	2.0	0.3	0.2	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
REP B00096777	QC																				
B00096786	Pulp	<0.5	1.4	1.1	4.6	2	3.9	0.5	1.9	0.3	12	<0.5	58.5	3.8	12.4	22.1	2.88	10.4	1.71	0.30	1.32
REP B00096786	QC																				
B00096793	Drill Core	15.0	2.5	8.5	199.2	2	22.7	1.3	11.4	8.8	<8	1.5	42.7	21.8	10.7	22.5	2.49	8.7	2.53	0.14	3.02
REP B00096793	QC																				
B00096794	Drill Core	14.5	2.7	10.7	199.7	<1	18.6	1.4	17.6	9.3	<8	2.4	51.9	20.9	12.2	24.2	3.04	11.1	2.88	0.10	3.33
REP B00096794	QC																				
B00097058	Drill Core	13.8	2.1	9.9	241.4	2	45.7	1.2	15.0	5.8	8	1.1	45.0	14.8	14.7	27.3	3.30	12.1	2.85	0.25	2.83
REP B00097058	QC	14.0	2.1	10.7	248.0	2	48.5	1.5	16.7	6.3	<8	1.1	46.8	15.3	14.6	28.5	3.41	11.7	3.06	0.26	3.19
B00097068	Drill Core	15.6	2.4	9.6	234.2	2	43.1	1.4	14.5	7.4	<8	0.9	49.0	17.9	14.8	29.6	3.39	12.2	3.05	0.25	3.15
REP B00097068	QC																				
Core Reject Duplicates																					
B00096591	Drill Core	49.7	1.1	39.8	9641.8	212	18.4	102.5	0.8	1.6	<8	4.4	7.0	0.9	1.1	0.6	<0.02	<0.3	<0.05	<0.02	0.08
DUP B00096591	QC	51.5	1.0	32.4	9873.0	242	19.1	82.6	1.4	1.8	<8	4.1	4.6	0.4	0.5	0.4	0.02	<0.3	<0.05	<0.02	<0.05
B00096629	Drill Core	42.6	2.4	71.0	6270.3	103	11.6	118.6	6.4	6.7	<8	5.4	19.7	5.6	4.8	10.3	1.19	4.4	1.02	0.14	0.99
DUP B00096629	QC	43.2	2.3	80.5	6505.1	102	10.5	139.4	5.9	6.4	<8	5.0	18.2	5.4	4.7	9.5	1.17	4.3	0.96	0.14	0.88
B00096667	Drill Core	26.7	0.3	57.7	6543.7	21	12.5	95.6	2.1	2.2	<8	1.6	1.8	0.5	1.0	1.8	0.13	0.8	0.12	0.04	0.19
DUP B00096667	QC	26.5	0.3	40.3	6361.3	20	11.5	75.6	2.0	1.9	<8	1.1	2.0	0.7	1.0	2.0	0.15	0.7	0.18	0.03	0.15
B00096705	Drill Core	14.2	0.2	4.5	265.0	17	1.7	12.7	<0.2	0.8	<8	<0.5	2.1	<0.1	0.2	0.1	<0.02	<0.3	<0.05	<0.02	<0.05
DUP B00096705	QC	13.5	0.2	4.1	224.2	15	1.5	11.5	<0.2	0.3	<8	<0.5	1.3	<0.1	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
B00096743	Drill Core	15.2	2.6	9.5	230.6	3	48.9	1.3	16.4	5.8	<8	1.0	60.1	17.8	15.2	31.3	3.67	12.4	3.02	0.29	2.77
DUP B00096743	QC	14.6	2.3	8.9	231.8	3	46.6	1.1	14.0	6.3	<8	1.2	55.1	16.4	13.4	25.8	3.04	10.7	2.41	0.25	2.50
B00096781	Drill Core	26.3	0.2	23.5	6075.7	45	5.6	23.7	0.5	0.5	<8	0.9	1.0	0.5	0.4	0.4	<0.02	<0.3	<0.05	<0.02	0.05
DUP B00096781	QC	26.6	0.1	27.7	5939.5	44	6.4	27.5	0.4	0.8	<8	1.6	1.5	0.4	0.2	0.3	<0.02	<0.3	<0.05	<0.02	<0.05
Reference Materials																					
STD 183	Standard																				

## QUALITY CONTROL REPORT

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		LF200 Tb ppm 0.01	LF200 Dy ppm 0.05	LF200 Ho ppm 0.02	LF200 Er ppm 0.03	LF200 Tm ppm 0.01	LF200 Yb ppm 0.05	LF200 Lu ppm 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02	PF370 B % 0.01	PF370 Li % 0.01	GC840 F ppm 10	LF700 Cs % 0.01	LF700 Rb % 0.01
B00096770	Drill Core	<0.01	0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.08	0.17	1301		
REP B00096770	QC										0.08				
B00096777	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.63	550		
REP B00096777	QC											0.63			
B00096786	Pulp	0.16	0.77	0.15	0.39	0.06	0.37	0.06	<0.02	<0.02	<0.01	<0.01	37		
REP B00096786	QC								<0.02	<0.02					
B00096793	Drill Core	0.56	3.45	0.76	2.16	0.33	2.23	0.32	0.03	0.24	<0.01	<0.01	221		
REP B00096793	QC												218		
B00096794	Drill Core	0.56	3.24	0.73	2.10	0.32	2.01	0.32	0.04	0.22	<0.01	<0.01	217		
REP B00096794	QC										<0.01				
B00097058	Drill Core	0.47	2.58	0.46	1.25	0.18	1.13	0.17	0.05	0.05	<0.01	<0.01	262		
REP B00097058	QC	0.50	2.51	0.47	1.36	0.18	1.17	0.17							
B00097068	Drill Core	0.52	3.07	0.61	1.54	0.22	1.56	0.24	0.03	0.06	<0.01	<0.01	202		
REP B00097068	QC												<0.01		
Core Reject Duplicates															
B00096591	Drill Core	0.01	0.16	0.03	0.05	0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.49	>10000	0.11	1.06
DUP B00096591	QC	<0.01	0.06	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.49	>10000	0.12	1.06
B00096629	Drill Core	0.16	0.92	0.20	0.58	0.09	0.58	0.09	<0.02	<0.02	0.03	0.39	8617		
DUP B00096629	QC	0.15	0.89	0.19	0.52	0.09	0.56	0.09	<0.02	<0.02	0.03	0.39	8658		
B00096667	Drill Core	0.02	0.18	0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	0.53	1199		
DUP B00096667	QC	0.02	0.14	0.02	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	0.55	1223		
B00096705	Drill Core	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	2.21	335		
DUP B00096705	QC	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	2.21	313		
B00096743	Drill Core	0.47	2.80	0.57	1.75	0.27	1.88	0.27	<0.02	0.07	<0.01	0.07	315		
DUP B00096743	QC	0.42	2.58	0.50	1.59	0.25	1.57	0.26	<0.02	0.07	<0.01	0.07	312		
B00096781	Drill Core	<0.01	0.05	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.70	749		
DUP B00096781	QC	<0.01	0.05	<0.02	0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.56	825		
Reference Materials															
STD 183	Standard												1.91		



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Bureau Veritas Commodities Canada Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: July 28, 2014

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Part: 1 of 3

# QUALITY CONTROL REPORT

YVO14000008.1

		WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD 183	Standard																					
STD GS311-1	Standard																					
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STD GS910-4	Standard																					
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STD LI-1	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Bureau Veritas Commodities Canada Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: July 28, 2014

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Part: 2 of 3

# QUALITY CONTROL REPORT

YVO14000008.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200		
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
STD 183	Standard																					
STD 183	Standard																					
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STD 183	Standard																					
STD GS311-1	Standard																					
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STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD LI-1	Standard																					
STD LI-1	Standard																					
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Bureau Veritas Commodities Canada Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: July 28, 2014

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# QUALITY CONTROL REPORT

YVO14000008.1

		LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700	
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01
STD 183	Standard														1.90
STD 183	Standard														2.06
STD 183	Standard														1.80
STD 183	Standard														1.78
STD 183	Standard														1.95
STD 183	Standard														1.89
STD GS311-1	Standard							1.03	2.38						
STD GS311-1	Standard							1.02	2.29						
STD GS311-1	Standard							1.04	2.33						
STD GS311-1	Standard							1.00	2.32						
STD GS311-1	Standard							1.03	2.28						
STD GS311-1	Standard							1.06	2.36						
STD GS311-1	Standard							1.08	2.32						
STD GS910-4	Standard							2.72	8.24						
STD GS910-4	Standard							2.72	8.10						
STD GS910-4	Standard							2.72	7.99						
STD GS910-4	Standard							2.79	8.29						
STD GS910-4	Standard							2.78	8.25						
STD GS910-4	Standard							2.77	8.40						
STD GS910-4	Standard							2.83	8.17						
STD LI-1	Standard														1.53
STD LI-1	Standard														1.55
STD LI-1	Standard														1.66
STD LI-1	Standard														1.59
STD LI-1	Standard														1.67
STD LI-1	Standard														1.54
STD LI-1	Standard														1.61
STD LIBF	Standard														4.24
STD LIBF	Standard														4.44

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



# QUALITY CONTROL REPORT

YVO14000008.1

		WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
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STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD MICA-FE(D)	Standard																					
STD SO-18	Standard		58.04	14.11	7.66	3.42	6.30	3.72	2.16	0.70	0.80	0.40	0.539	41	24	1.9	99.74	480	<1	26.1	8.3	
STD SO-18	Standard		58.08	14.10	7.62	3.40	6.35	3.72	2.14	0.70	0.79	0.40	0.532	40	24	1.9	99.73	495	<1	25.3	6.6	
STD SO-18	Standard		58.13	14.05	7.56	3.43	6.31	3.72	2.16	0.69	0.79	0.40	0.542	40	24	1.9	99.69	522	<1	27.5	8.1	
STD SO-18	Standard		58.33	14.00	7.55	3.40	6.31	3.70	2.14	0.69	0.78	0.40	0.540	38	24	1.9	99.74	485	1	26.2	7.2	
STD SO-18	Standard		58.47	13.96	7.51	3.39	6.27	3.66	2.15	0.69	0.78	0.40	0.550	42	24	1.9	99.74	479	1	25.3	7.6	
STD SO-18	Standard		58.07	14.20	7.58	3.41	6.30	3.70	2.16	0.69	0.78	0.40	0.543	41	24	1.9	99.73	506	2	27.0	7.5	
STD SO-18	Standard		57.85	14.09	7.70	3.39	6.36	3.81	2.19	0.70	0.81	0.40	0.548	43	25	1.9	99.74	486	<1	24.1	7.4	
STD SO-18	Standard		57.97	14.25	7.59	3.43	6.32	3.69	2.16	0.69	0.78	0.40	0.545	42	23	1.9	99.74	483	2	24.7	6.8	
STD SO-18	Standard		58.33	14.07	7.57	3.40	6.26	3.65	2.13	0.69	0.79	0.40	0.537	43	24	1.9	99.74	506	1	25.1	8.0	
STD SO-18	Standard		58.29	14.07	7.50	3.38	6.32	3.70	2.18	0.69	0.78	0.40	0.542	42	24	1.9	99.75	471	<1	23.7	7.3	
STD SO-18	Standard		58.10	14.15	7.62	3.40	6.40	3.63	2.10	0.69	0.80	0.40	0.546	44	24	1.9	99.74	450	1	23.5	6.4	
STD SO-18	Standard		58.47	14.04	7.56	3.36	6.33	3.59	2.07	0.69	0.78	0.39	0.543	44	24	1.9	99.74	475	4	21.9	8.3	

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Bureau Veritas Commodities Canada Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: July 28, 2014

Page: 5 of 8

Part: 2 of 3

# QUALITY CONTROL REPORT

YVO14000008.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200		
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
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STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD MICA-FE(D)	Standard																					
STD SO-18	Standard	16.5	8.8	18.1	30.1	14	387.9	6.4	9.3	15.3	191	13.5	276.8	28.2	12.0	27.1	3.27	13.3	2.91	0.84	3.01	
STD SO-18	Standard	18.8	9.2	19.3	28.2	14	394.8	6.9	9.9	15.3	199	14.1	289.7	28.5	12.4	27.5	3.41	13.4	2.92	0.86	3.03	
STD SO-18	Standard	17.9	9.8	19.8	31.5	15	406.6	7.1	9.7	16.0	194	14.7	303.3	30.3	12.4	26.5	3.31	13.7	2.85	0.87	2.92	
STD SO-18	Standard	16.1	9.0	18.1	28.5	14	383.4	6.6	9.5	15.4	195	13.5	282.0	28.1	12.4	26.3	3.19	12.8	2.68	0.81	2.74	
STD SO-18	Standard	15.1	8.9	17.9	29.8	14	391.6	6.2	9.0	14.7	196	14.5	279.3	28.9	11.8	24.9	3.05	12.8	2.70	0.77	2.86	
STD SO-18	Standard	18.5	9.0	20.4	30.5	15	432.3	6.3	9.0	15.3	191	13.2	300.0	29.6	12.8	27.6	3.32	13.4	2.76	0.84	2.86	
STD SO-18	Standard	17.2	9.1	18.7	30.1	14	372.8	6.3	9.4	15.0	194	13.7	278.0	27.9	12.1	25.7	3.18	12.4	2.81	0.79	2.74	
STD SO-18	Standard	16.6	9.3	18.9	29.9	13	387.0	6.4	9.4	15.0	192	13.0	286.0	28.9	12.7	25.0	3.09	11.6	2.55	0.83	2.87	
STD SO-18	Standard	16.3	9.4	18.9	32.3	13	391.9	6.5	9.5	15.2	191	15.7	291.6	28.6	12.5	26.9	3.21	12.9	2.68	0.84	3.03	
STD SO-18	Standard	15.8	8.7	17.6	29.5	13	373.7	6.0	8.8	14.0	189	13.3	272.3	27.5	11.8	24.8	3.03	12.2	2.62	0.79	2.71	
STD SO-18	Standard	18.0	9.2	16.9	27.0	14	363.6	6.3	9.8	16.5	204	13.7	271.8	30.2	12.3	25.9	3.17	13.2	2.87	0.80	3.01	
STD SO-18	Standard	12.7	9.5	18.3	29.1	14	376.2	6.2	9.9	14.8	192	13.6	272.7	31.3	13.1	26.5	3.30	13.6	2.66	0.82	2.71	

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Bureau Veritas Commodities Canada Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: July 28, 2014

Page: 5 of 8

Part: 3 of 3

# QUALITY CONTROL REPORT

YVO14000008.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01
STD LIBF	Standard										4.29				
STD LIBF	Standard										5.58				
STD LIBF	Standard										4.20				
STD LIBF	Standard										4.14				
STD LIBF	Standard										4.39				
STD LIBF	Standard										4.12				
STD LIBF	Standard										4.39				
STD LIBF	Standard										4.77				
STD LIBF	Standard										4.28				
STD LIBF	Standard										4.28				
STD LIBF	Standard										4.41				
STD LIBF	Standard										4.34				
STD LIBF	Standard										4.37				
STD LIBF	Standard										4.31				
STD LIBF	Standard										4.47				
STD LIBF	Standard										4.45				
STD MICA-FE(D)	Standard													0.02	0.21
STD SO-18	Standard	0.49	2.87	0.64	1.80	0.29	1.83	0.29							
STD SO-18	Standard	0.52	2.86	0.66	2.05	0.28	1.93	0.30							
STD SO-18	Standard	0.49	2.82	0.59	1.76	0.26	1.66	0.26							
STD SO-18	Standard	0.47	2.77	0.59	1.67	0.26	1.59	0.26							
STD SO-18	Standard	0.44	2.65	0.55	1.55	0.24	1.48	0.25							
STD SO-18	Standard	0.46	2.72	0.57	1.67	0.25	1.75	0.25							
STD SO-18	Standard	0.45	2.78	0.55	1.59	0.24	1.54	0.25							
STD SO-18	Standard	0.49	2.82	0.58	1.67	0.26	1.51	0.26							
STD SO-18	Standard	0.48	2.95	0.57	1.62	0.28	1.65	0.27							
STD SO-18	Standard	0.46	2.71	0.55	1.57	0.24	1.56	0.23							
STD SO-18	Standard	0.47	3.03	0.58	1.92	0.29	1.63	0.27							
STD SO-18	Standard	0.52	2.97	0.59	1.83	0.29	1.66	0.27							

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Bureau Veritas Commodities Canada Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: July 28, 2014

Page: 6 of 8

Part: 1 of 3

# QUALITY CONTROL REPORT

YVO14000008.1

		WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs
		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm
		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1
STD SO-18	Standard	58.19	14.14	7.56	3.38	6.32	3.69	2.14	0.68	0.78	0.40	0.545	46	24	1.9	99.74	516	2	26.3	11.1	
STD SO-18	Standard	58.21	14.07	7.61	3.39	6.27	3.70	2.14	0.69	0.79	0.40	0.558	46	24	1.9	99.74	503	2	27.3	7.7	
STD SO-18	Standard	58.44	13.99	7.56	3.38	6.35	3.61	2.09	0.69	0.77	0.39	0.533	47	23	1.9	99.72	510	2	26.1	6.7	
STD SO-18	Standard	58.39	14.01	7.56	3.39	6.38	3.63	2.08	0.69	0.77	0.40	0.537	49	24	1.9	99.75	503	<1	25.9	7.0	
STD SO-18	Standard	58.15	14.16	7.60	3.39	6.42	3.62	2.08	0.70	0.77	0.40	0.549	39	24	1.9	99.74	513	<1	26.8	6.7	
STD SO-18	Standard	58.22	14.08	7.64	3.40	6.40	3.61	2.06	0.69	0.78	0.40	0.548	38	23	1.9	99.74	492	1	25.7	7.1	
STD SO-18	Standard	58.59	14.01	7.54	3.33	6.30	3.63	2.07	0.68	0.77	0.39	0.541	55	23	1.9	99.76	494	2	23.7	6.5	
STD SO-18	Standard	58.36	14.02	7.65	3.35	6.32	3.65	2.09	0.69	0.78	0.39	0.547	55	23	1.9	99.76	454	<1	24.8	7.0	
STD SO-18	Standard	58.32	14.09	7.56	3.38	6.34	3.65	2.09	0.69	0.78	0.40	0.543	45	24	1.9	99.73	502	1	28.2	7.7	
STD SO-18	Standard	58.18	14.14	7.55	3.36	6.37	3.69	2.11	0.69	0.79	0.40	0.544	51	24	1.9	99.74	509	3	26.5	6.3	
STD SO-18	Standard	58.37	14.10	7.54	3.36	6.33	3.63	2.10	0.68	0.79	0.39	0.542	34	23	1.9	99.73	518	<1	26.8	7.2	
STD SO-18	Standard	58.35	14.13	7.53	3.39	6.34	3.60	2.08	0.69	0.79	0.39	0.542	36	23	1.9	99.73	489	1	25.9	6.3	
STD STSD-1	Standard																				
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STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD VS-N(D)	Standard																				
STD GS311-1 Expected																					
STD GS910-4 Expected																					

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Bureau Veritas Commodities Canada Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: July 28, 2014

Page: 6 of 8

Part: 2 of 3

# QUALITY CONTROL REPORT

YVO14000008.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
STD SO-18	Standard	16.0	9.4	18.5	29.9	15	412.2	6.3	9.3	15.4	189	14.6	305.8	30.9	12.7	25.7	3.26	13.5	2.67	0.78	2.84
STD SO-18	Standard	16.3	9.1	20.0	28.2	14	428.1	6.6	9.9	15.2	196	14.1	296.2	28.6	12.6	25.7	3.23	13.3	2.66	0.86	3.04
STD SO-18	Standard	16.9	9.1	18.8	29.3	15	394.2	7.0	9.8	15.5	190	14.3	293.8	28.6	12.0	27.3	3.39	13.8	2.87	0.82	3.10
STD SO-18	Standard	15.0	9.4	18.9	29.5	14	388.8	6.1	9.7	15.2	195	15.0	303.1	30.7	12.4	27.3	3.27	13.0	2.80	0.87	2.96
STD SO-18	Standard	17.5	9.2	18.8	28.0	14	381.5	6.1	9.3	14.7	198	14.1	295.1	29.3	11.9	26.0	3.20	12.2	2.65	0.84	2.90
STD SO-18	Standard	15.6	9.2	17.8	28.8	14	388.3	7.3	9.5	15.8	201	14.7	288.4	29.4	12.0	25.4	3.13	13.8	2.86	0.76	2.93
STD SO-18	Standard	16.4	9.5	19.1	26.0	15	391.4	6.3	10.1	15.7	203	15.3	282.1	31.5	13.0	26.4	3.38	14.3	2.97	0.83	3.00
STD SO-18	Standard	17.2	9.2	17.2	28.2	17	378.1	6.3	9.0	15.1	212	15.1	281.2	31.0	13.0	25.9	3.34	12.6	2.75	0.89	3.01
STD SO-18	Standard	16.2	9.5	19.2	31.5	14	408.5	6.3	9.6	15.3	200	13.6	305.9	29.3	13.4	28.0	3.40	12.6	3.07	0.80	2.78
STD SO-18	Standard	15.1	9.5	18.1	28.9	14	402.8	6.4	9.5	15.7	207	16.6	308.6	29.5	13.6	27.0	3.22	12.0	2.75	0.88	3.05
STD SO-18	Standard	16.8	9.2	19.4	28.9	14	411.3	7.1	9.7	16.1	204	14.6	296.0	29.4	11.8	27.8	3.14	11.7	2.85	0.83	2.86
STD SO-18	Standard	15.5	9.3	18.5	28.1	14	402.3	7.2	8.8	14.8	192	14.7	289.2	29.1	11.7	25.1	3.10	12.3	2.59	0.78	2.77
STD STSD-1	Standard																				
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STD VS-N(D)	Standard																				
STD GS311-1 Expected																					
STD GS910-4 Expected																					

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 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: July 28, 2014

Page: 6 of 8

Part: 3 of 3

# QUALITY CONTROL REPORT

YVO14000008.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01
STD SO-18	Standard	0.47	2.70	0.56	1.66	0.24	1.55	0.25							
STD SO-18	Standard	0.47	2.86	0.57	1.73	0.26	1.73	0.27							
STD SO-18	Standard	0.48	3.07	0.59	1.80	0.28	1.62	0.26							
STD SO-18	Standard	0.47	3.11	0.57	1.91	0.26	1.64	0.27							
STD SO-18	Standard	0.48	2.70	0.54	1.75	0.25	1.65	0.25							
STD SO-18	Standard	0.46	2.91	0.58	1.75	0.26	1.63	0.27							
STD SO-18	Standard	0.50	2.70	0.63	1.81	0.26	1.87	0.25							
STD SO-18	Standard	0.47	2.96	0.63	1.68	0.27	1.86	0.26							
STD SO-18	Standard	0.47	2.92	0.55	1.58	0.25	1.62	0.26							
STD SO-18	Standard	0.47	2.83	0.58	1.59	0.25	1.67	0.24							
STD SO-18	Standard	0.49	2.77	0.55	1.64	0.24	1.77	0.25							
STD SO-18	Standard	0.47	2.75	0.63	1.62	0.25	1.59	0.24							
STD STSD-1	Standard												1000		
STD STSD-1	Standard												975		
STD STSD-1	Standard												985		
STD STSD-1	Standard												955		
STD STSD-1	Standard												1000		
STD STSD-1	Standard												980		
STD STSD-1	Standard												974		
STD STSD-1	Standard												990		
STD STSD-1	Standard												990		
STD STSD-1	Standard												965		
STD STSD-1	Standard												980		
STD STSD-1	Standard												980		
STD STSD-1	Standard												950		
STD STSD-1	Standard												979		
STD VS-N(D)	Standard													0.09	0.08
STD GS311-1 Expected									1.02	2.35					
STD GS910-4 Expected									2.65	8.27					

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Bureau Veritas Commodities Canada Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** July 28, 2014

Page: 7 of 8

Part: 1 of 3

## QUALITY CONTROL REPORT

YVO14000008.1

	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	
	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	
STD VS-N(D) Expected																					
STD LI-1 Expected																					
STD 183 Expected																					
STD STSD-1 Expected																					
STD SO-18 Expected		58.47	14.23	7.67	3.35	6.42	3.71	2.17	0.69	0.83	0.39	0.55	44	25			514		26.2	7.1	
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	0.08	0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	0.10	<1	<1	<0.2	0.5	
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	0.6	
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	0.6	
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	0.1	
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	<0.1	
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

## QUALITY CONTROL REPORT

YVO14000008.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
STD VS-N(D) Expected		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
STD LI-1 Expected																					
STD 183 Expected																					
STD STSD-1 Expected																					
STD SO-18 Expected		17.6	9.8	19.3	28.7	15	407.4	7.4	9.9	16.4	200	14.8	290	29	12.3	27.1	3.45	14	3	0.89	2.93
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.5	<0.1	<0.1	1.4	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.5	<0.1	<0.1	0.5	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
BLK	Blank	1.0	<0.1	0.4	1.9	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.5	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.5	<0.1	<0.1	0.7	<1	<0.5	0.2	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
BLK	Blank	<0.5	<0.1	<0.1	0.3	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				





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Bureau Veritas Commodities Canada Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: July 28, 2014

Page: 7 of 8

Part: 3 of 3

# QUALITY CONTROL REPORT

YVO14000008.1

		LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700		
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%	
		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01	
STD VS-N(D) Expected															0.0942	
STD LI-1 Expected																1.53
STD 183 Expected																1.91402
STD STSD-1 Expected																950
STD SO-18 Expected		0.53	3	0.62	1.84	0.27	1.79	0.27								
BLK	Blank							<0.02	<0.02							
BLK	Blank							<0.02	<0.02							
BLK	Blank							<0.02	<0.02							
BLK	Blank							<0.02	<0.02							
BLK	Blank							<0.02	<0.02							
BLK	Blank							<0.02	<0.02							
BLK	Blank							<0.02	<0.02							
BLK	Blank															<0.01
BLK	Blank															0.03
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01								
BLK	Blank															<0.01
BLK	Blank															<0.01
BLK	Blank															<0.01
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01								
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01								
BLK	Blank															<0.01
BLK	Blank															<0.01
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01								
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01								
BLK	Blank															<0.01
BLK	Blank															<0.01
BLK	Blank															55
BLK	Blank															59

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## QUALITY CONTROL REPORT

YVO14000008.1

		WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs
		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm
		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank		<0.01	<0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	0.3	0.2
BLK	Blank																				
BLK	Blank		<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	<0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank		<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	0.2
Prep Wash																					
G1	Prep Blank		67.36	15.99	3.22	1.03	3.44	3.62	3.75	0.38	0.16	0.09	<0.002	<20	5	0.7	99.72	929	3	4.0	5.0
G1	Prep Blank		67.49	15.89	3.34	1.10	3.43	3.58	3.63	0.40	0.17	0.10	<0.002	<20	5	0.6	99.72	892	5	4.2	6.1

## QUALITY CONTROL REPORT

YVO14000008.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
BLK	Blank	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
BLK	Blank																				
BLK	Blank	<0.5	<0.1	0.2	0.4	<1	<0.5	0.3	<0.2	<0.1	<8	<0.5	0.1	<0.1	0.2	0.3	0.04	<0.3	<0.05	<0.02	<0.05
BLK	Blank																				
BLK	Blank	<0.5	<0.1	<0.1	0.3	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.3	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.5	<0.1	0.1	1.3	<1	<0.5	0.5	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
Prep Wash																					
G1	Prep Blank	18.8	4.1	21.0	125.9	2	703.3	1.3	9.0	3.2	53	<0.5	143.5	14.4	30.1	64.3	6.62	24.6	4.13	1.05	3.38
G1	Prep Blank	20.2	4.1	23.6	132.3	2	729.9	1.5	10.5	3.7	56	<0.5	135.7	17.6	37.9	73.6	7.74	25.8	4.26	1.13	3.47



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Bureau Veritas Commodities Canada Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: July 28, 2014

Page: 8 of 8

Part: 3 of 3

## QUALITY CONTROL REPORT

YVO14000008.1

		LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	PF370	PF370	GC840	LF700	LF700	
		Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	B	Li	F	Cs	Rb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%
		0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01
BLK	Blank												27		
BLK	Blank												<0.01		
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01							
BLK	Blank												30		
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01							
BLK	Blank									<0.01					
BLK	Blank												<0.01	<0.01	<0.01
BLK	Blank										<0.01				
BLK	Blank												<0.01		
BLK	Blank												37		
BLK	Blank												<10		
BLK	Blank									<0.01					
BLK	Blank												43		
BLK	Blank	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01							
Prep Wash															
G1	Prep Blank	0.49	2.78	0.57	1.71	0.29	1.84	0.33	<0.02	<0.02	<0.01	<0.01	562		
G1	Prep Blank	0.53	2.95	0.65	1.82	0.31	2.02	0.33	<0.02	<0.02	<0.01	<0.01	609		



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Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

Submitted By: Garth Drever  
Receiving Lab: Canada-Val-d'Or  
Received: July 24, 2014  
Report Date: August 27, 2014  
Page: 1 of 10

## CERTIFICATE OF ANALYSIS

YVO14000008A.3

### CLIENT JOB INFORMATION

Project: None Given  
Shipment ID: 5  
P.O. Number  
Number of Samples: 242

### SAMPLE DISPOSAL

RTRN-PLP Return  
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Houston Lake Mining  
2736 Belisle Dr.  
Val Caron ON P3N 1B3  
CANADA

CC: Trevor Walker

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
8X	242	X-Ray Fluorescence / Single element Fusion		Completed	VAN

### ADDITIONAL COMMENTS

Version 3 : Revised Ta results and reporting unit.



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 27, 2014

**Page:** 2 of 10

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO1400008A.3

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00096389	Drill Core	0.09	0.34	55
B00096390	Pulp	2.08	0.56	72
B00096391	Drill Core	<0.01	0.03	165
B00096392	Drill Core	0.10	0.49	81
B00096393	Drill Core	0.06	0.28	165
B00096394	Drill Core	0.06	0.33	164
B00096395	Drill Core	0.11	0.48	178
B00096396	Pulp	<0.01	<0.01	<10
B00096397	Drill Core	0.07	0.30	30
B00096398	Drill Core	0.08	0.27	40
B00096399	Drill Core	0.06	0.25	40
B00096585	Drill Core	0.11	0.54	96
B00096586	Drill Core	0.08	0.96	19
B00096587	Drill Core	0.14	1.01	71
B00096588	Drill Core	0.15	0.91	104
B00096589	Drill Core	0.16	0.78	230
B00096590	Drill Core	0.09	0.88	85
B00096591	Drill Core	0.12	1.06	95
B00096592	Drill Core	0.14	0.95	119
B00096593	Drill Core	0.12	0.79	113
B00096594	Pulp	0.07	0.40	153
B00096595	Drill Core	0.13	0.73	104
B00096596	Drill Core	0.14	0.70	119
B00096597	Drill Core	0.10	0.90	32
B00096598	Drill Core	0.05	0.13	<10
B00096599	Drill Core	0.08	0.43	82
B00096600	Pulp	<0.01	<0.01	<10
B00096601	Drill Core	0.09	0.33	57
B00096602	Drill Core	0.10	0.44	125
B00096603	Drill Core	0.09	0.60	63

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 27, 2014

**Page:** 3 of 10

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO1400008A.3

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00096604	Drill Core	0.07	0.56	33
B00096605	Drill Core	0.13	0.60	70
B00096606	Drill Core	0.10	0.70	83
B00096607	Drill Core	0.10	0.83	70
B00096608	Drill Core	0.11	0.77	112
B00096609	Drill Core	0.10	0.63	209
B00096610	Drill Core	0.11	0.89	95
B00096611	Drill Core	0.09	0.88	61
B00096612	Drill Core	0.12	0.74	136
B00096613	Drill Core	0.03	0.28	86
B00096614	Drill Core	0.02	0.09	189
B00096615	Drill Core	0.03	0.38	160
B00096616	Drill Core	0.07	0.42	57
B00096617	Drill Core	0.06	0.71	67
B00096618	Pulp	4.02	0.45	52
B00096619	Drill Core	0.06	0.67	44
B00096620	Drill Core	0.04	0.41	185
B00096621	Drill Core	0.02	0.16	191
B00096622	Drill Core	0.04	0.24	137
B00096623	Drill Core	0.03	0.08	<10
B00096624	Pulp	<0.01	<0.01	<10
B00096625	Drill Core	0.03	0.12	<10
B00096626	Drill Core	0.06	0.59	111
B00096627	Drill Core	0.07	0.45	179
B00096628	Drill Core	0.08	0.64	106
B00096629	Drill Core	0.09	0.67	123
B00096630	Drill Core	0.08	0.57	123
B00096631	Drill Core	0.10	0.73	160
B00096632	Drill Core	0.08	0.91	69
B00096633	Drill Core	0.07	0.58	103

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 27, 2014

**Page:** 4 of 10

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO1400008A.3

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00096634	Drill Core	0.07	0.76	88
B00096635	Drill Core	0.06	0.34	29
B00096636	Pulp	0.08	0.41	163
B00096637	Drill Core	0.04	0.16	<10
B00096638	Drill Core	0.06	0.34	110
B00096639	Drill Core	0.05	0.08	<10
B00096640	Drill Core	<0.01	0.02	<10
B00096641	Drill Core	<0.01	0.02	<10
B00096642	Pulp	<0.01	<0.01	<10
B00096643	Drill Core	0.07	0.68	65
B00096644	Drill Core	0.11	0.86	128
B00096645	Drill Core	0.07	0.96	51
B00096646	Drill Core	0.11	0.91	62
B00096647	Drill Core	0.13	0.65	90
B00096648	Drill Core	0.09	1.06	67
B00096649	Drill Core	0.10	1.16	26
B00096650	Drill Core	0.43	0.60	239
B00096651	Drill Core	0.02	0.07	<10
B00096652	Drill Core	0.01	0.03	<10
B00096653	Drill Core	0.01	0.03	<10
B00096654	Pulp	0.69	0.77	70
B00096655	Drill Core	0.04	0.14	<10
B00096656	Drill Core	0.08	0.63	113
B00096657	Drill Core	0.09	0.26	219
B00096658	Drill Core	0.10	0.42	234
B00096659	Drill Core	0.11	0.86	111
B00096660	Pulp	<0.01	<0.01	<10
B00096661	Drill Core	0.08	0.75	33
B00096662	Drill Core	0.05	0.34	116
B00096663	Drill Core	0.03	0.10	57



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**Client:** **Houston Lake Mining**  
2736 Belisle Dr.  
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**Project:** None Given  
**Report Date:** August 27, 2014

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**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO1400008A.3

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00096664	Drill Core	0.03	0.20	211
B00096665	Drill Core	0.05	0.30	53
B00096666	Drill Core	0.05	0.41	98
B00096667	Drill Core	0.07	0.74	70
B00096668	Drill Core	0.03	0.23	53
B00096669	Drill Core	0.07	0.15	59
B00096670	Drill Core	0.03	0.04	<10
B00096671	Drill Core	0.04	0.05	<10
B00096672	Pulp	2.14	0.58	72
B00096673	Drill Core	0.08	0.12	34
B00096674	Drill Core	0.03	0.03	<10
B00096675	Drill Core	<0.01	0.03	<10
B00096676	Drill Core	0.05	0.06	<10
B00096677	Drill Core	0.07	0.06	<10
B00096678	Pulp	<0.01	<0.01	<10
B00096679	Drill Core	0.03	0.03	<10
B00096680	Drill Core	0.07	0.09	<10
B00096681	Drill Core	0.05	0.15	49
B00096682	Drill Core	0.05	0.17	90
B00096683	Drill Core	0.10	0.81	71
B00096684	Drill Core	0.04	0.20	62
B00096685	Drill Core	0.05	0.37	42
B00096686	Drill Core	0.03	0.50	46
B00096687	Drill Core	0.02	0.08	95
B00096688	Drill Core	0.01	0.04	100
B00096689	Drill Core	0.02	0.07	118
B00096690	Pulp	0.08	0.41	161
B00096691	Drill Core	0.03	0.24	65
B00096692	Drill Core	0.05	0.49	55
B00096693	Drill Core	0.05	0.33	42



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**Client:** **Houston Lake Mining**  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 27, 2014

**Page:** 6 of 10

**Part:** 1 of 1

# CERTIFICATE OF ANALYSIS

YVO1400008A.3

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00096694	Drill Core	0.03	0.07	21
B00096695	Drill Core	0.07	0.51	86
B00096696	Pulp	<0.01	<0.01	<10
B00096697	Drill Core	0.04	0.22	33
B00096698	Drill Core	0.03	0.09	<10
B00096699	Drill Core	0.03	0.16	33
B00096700	Drill Core	0.02	0.15	73
B00096701	Drill Core	0.07	0.46	71
B00096702	Drill Core	0.04	0.20	89
B00096703	Drill Core	0.05	0.29	103
B00096704	Drill Core	0.03	0.11	42
B00096705	Drill Core	0.01	0.03	<10
B00096706	Drill Core	0.07	0.31	71
B00096707	Drill Core	0.03	0.10	81
B00096708	Pulp	4.00	0.45	71
B00096709	Drill Core	0.04	0.20	69
B00096710	Drill Core	0.08	0.76	24
B00096711	Drill Core	0.06	0.38	59
B00096712	Drill Core	0.03	0.20	<10
B00096713	Drill Core	0.05	0.25	11
B00096714	Pulp	<0.01	<0.01	<10
B00096715	Drill Core	0.06	0.36	50
B00096716	Drill Core	0.04	0.24	32
B00096717	Drill Core	0.06	0.41	51
B00096718	Drill Core	0.05	0.38	34
B00096719	Drill Core	0.08	0.63	59
B00096720	Drill Core	0.07	0.58	84
B00096721	Drill Core	0.04	0.35	27
B00096722	Drill Core	0.04	0.25	73
B00096723	Drill Core	0.05	0.29	176

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**Project:** None Given  
**Report Date:** August 27, 2014

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**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO1400008A.3

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00096724	Drill Core	0.04	0.30	35
B00096725	Drill Core	0.04	0.23	41
B00096726	Pulp	0.08	0.41	167
B00096727	Drill Core	0.05	0.38	22
B00096728	Drill Core	0.02	0.12	37
B00096729	Drill Core	0.06	0.51	21
B00096730	Drill Core	0.04	0.31	34
B00096731	Drill Core	0.05	0.47	24
B00096732	Pulp	<0.01	<0.01	<10
B00096733	Drill Core	0.04	0.24	25
B00096734	Drill Core	0.05	0.26	71
B00096735	Drill Core	0.02	0.21	21
B00096736	Drill Core	0.07	0.64	39
B00096737	Drill Core	0.04	0.23	78
B00096738	Drill Core	0.03	0.23	30
B00096739	Drill Core	0.04	0.16	40
B00096740	Drill Core	0.03	0.24	43
B00096741	Drill Core	0.03	0.26	37
B00096742	Drill Core	0.02	0.16	19
B00096743	Drill Core	<0.01	0.03	<10
B00096744	Pulp	0.66	0.76	61
B00096745	Drill Core	<0.01	0.03	16
B00096746	Drill Core	0.03	0.09	<10
B00096747	Drill Core	0.01	0.02	82
B00096748	Drill Core	0.05	0.20	105
B00096749	Drill Core	0.05	0.29	73
B00096750	Pulp	0.01	<0.01	<10
B00096751	Drill Core	0.05	0.28	95
B00096752	Drill Core	0.04	0.23	56
B00096753	Drill Core	0.04	0.26	90

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Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 27, 2014

**Page:** 8 of 10

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO1400008A.3

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00096754	Drill Core	0.03	0.38	66
B00096755	Drill Core	0.03	0.23	138
B00096756	Drill Core	<0.01	0.06	147
B00096757	Drill Core	0.02	0.08	127
B00096758	Drill Core	0.03	0.10	94
B00096759	Drill Core	0.03	0.24	92
B00096760	Drill Core	0.02	0.14	50
B00096761	Drill Core	0.03	0.48	45
B00096762	Pulp	1.99	0.55	69
B00096763	Drill Core	0.02	0.25	121
B00096764	Drill Core	0.01	0.15	<10
B00096765	Drill Core	0.01	0.08	42
B00096766	Drill Core	0.02	0.20	46
B00096767	Drill Core	0.02	0.36	37
B00096768	Pulp	<0.01	<0.01	<10
B00096769	Drill Core	0.02	0.34	14
B00096770	Drill Core	0.03	0.29	84
B00096771	Drill Core	0.03	0.25	109
B00096772	Drill Core	0.03	0.20	119
B00096773	Drill Core	0.02	0.19	143
B00096774	Drill Core	0.02	0.69	28
B00096775	Drill Core	0.02	0.23	67
B00096776	Drill Core	0.02	0.40	35
B00096777	Drill Core	0.16	0.66	33
B00096778	Drill Core	0.03	0.49	56
B00096779	Drill Core	0.02	0.41	60
B00096780	Pulp	0.09	0.39	156
B00096781	Drill Core	0.02	0.63	28
B00096782	Drill Core	0.01	0.22	66
B00096783	Drill Core	0.01	0.31	56

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**Project:** None Given  
**Report Date:** August 27, 2014

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**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO1400008A.3

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00096784	Drill Core	0.02	0.31	110
B00096785	Drill Core	<0.01	0.07	22
B00096786	Pulp	<0.01	<0.01	<10
B00096787	Drill Core	<0.01	0.02	<10
B00096788	Drill Core	<0.01	0.03	<10
B00096789	Drill Core	<0.01	0.02	<10
B00096790	Drill Core	<0.01	0.03	<10
B00096791	Drill Core	<0.01	0.02	<10
B00096792	Drill Core	<0.01	0.03	<10
B00096793	Drill Core	<0.01	0.02	<10
B00096794	Drill Core	<0.01	0.02	<10
B00096795	Drill Core	<0.01	0.02	<10
B00096796	Drill Core	0.01	0.02	<10
B00097053	Drill Core	<0.01	0.02	<10
B00097054	Drill Core	<0.01	0.03	<10
B00097055	Drill Core	0.01	0.03	<10
B00097056	Pulp	4.01	0.46	73
B00097057	Drill Core	<0.01	0.02	<10
B00097058	Drill Core	<0.01	0.03	<10
B00097059	Drill Core	0.01	0.03	<10
B00097060	Drill Core	<0.01	0.03	<10
B00097061	Drill Core	<0.01	0.03	<10
B00097062	Pulp	<0.01	<0.01	<10
B00097063	Drill Core	<0.01	0.03	<10
B00097064	Drill Core	<0.01	0.02	<10
B00097065	Drill Core	<0.01	0.03	<10
B00097066	Drill Core	<0.01	0.03	<10
B00097067	Drill Core	<0.01	0.04	<10
B00097068	Drill Core	0.01	0.03	<10
B00097069	Drill Core	<0.01	0.04	<10



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**Client:** **Houston Lake Mining**  
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Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 27, 2014

**Page:** 10 of 10

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO1400008A.3

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00097070	Drill Core	0.01	0.05	<10
B00097074	Pulp	0.08	0.41	164

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**Client:** **Houston Lake Mining**  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 27, 2014

**Page:** 1 of 2

**Part:** 1 of 1

## QUALITY CONTROL REPORT

YVO1400008A.3

Method	LF700	LF700	LF700	
Analyte	Cs	Rb	Ta	
Unit	%	%	ppm	
MDL	0.01	0.01	10	
Pulp Duplicates				
B00096591	Drill Core	0.12	1.06	95
REP B00096591	QC	0.12	1.07	101
B00096627	Drill Core	0.07	0.45	179
REP B00096627	QC	0.07	0.45	180
B00096663	Drill Core	0.03	0.10	57
REP B00096663	QC	0.03	0.10	54
B00096699	Drill Core	0.03	0.16	33
REP B00096699	QC	0.03	0.16	41
B00096735	Drill Core	0.02	0.21	21
REP B00096735	QC	0.03	0.21	15
B00096771	Drill Core	0.03	0.25	109
REP B00096771	QC	0.03	0.24	104
B00097063	Drill Core	<0.01	0.03	<10
REP B00097063	QC	0.01	0.03	<10
Reference Materials				
STD MICA-FE(D)	Standard	0.01	0.21	28
STD MICA-FE(D)	Standard	0.01	0.22	34
STD MICA-FE(D)	Standard	0.02	0.24	34
STD MICA-FE(D)	Standard	0.01	0.24	31
STD MICA-FE(D)	Standard	0.02	0.24	44
STD MICA-FE(D)	Standard	0.02	0.24	39
STD MICA-FE(D)	Standard	0.01	0.21	27
STD VS-N(D)	Standard	0.09	0.08	671
STD VS-N(D)	Standard	0.09	0.08	655
STD VS-N(D)	Standard	0.10	0.09	705
STD VS-N(D)	Standard	0.10	0.09	693
STD VS-N(D)	Standard	0.10	0.09	670
STD VS-N(D)	Standard	0.10	0.09	680



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 Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 27, 2014

**Page:** 2 of 2

**Part:** 1 of 1

## QUALITY CONTROL REPORT

YVO1400008A.3

		LF700	LF700	LF700
		Cs	Rb	Ta
		%	%	ppm
		0.01	0.01	10
STD VS-N(D)	Standard	0.09	0.08	664
STD VS-N(D) Expected		0.0942		
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	<10



# QUALITY CONTROL REPORT

YVO1400009.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05
STD SO-18	Standard	15.2	9.0	17.7	27.4	15	376.8	5.8	9.4	14.9	212	13.9	269.5	29.5	12.1	26.3	3.00	13.1	2.82	0.79	2.93
STD SO-18	Standard	17.6	8.8	18.0	27.7	14	373.7	6.4	9.3	15.0	225	14.2	278.6	29.8	12.3	25.9	3.34	14.5	2.54	0.82	2.90
STD SO-18	Standard	17.4	9.3	18.0	28.0	15	377.9	5.9	9.8	15.0	206	15.1	284.2	29.7	12.5	27.4	3.29	13.4	2.76	0.83	2.77
STD SO-18	Standard	14.9	8.9	18.3	27.3	15	399.9	6.6	9.8	14.9	196	13.5	298.3	28.7	11.8	26.5	3.28	12.7	2.79	0.83	2.96
STD SO-18	Standard	14.8	8.9	18.9	28.2	14	395.5	6.5	9.1	15.3	194	14.0	299.4	29.0	12.0	27.6	3.21	13.9	2.68	0.85	2.97
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD STSD-1	Standard																				
STD SY-4(D)	Standard																				
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD LI-1 Expected																					
STD 183 Expected																					
STD STSD-1 Expected																					
STD SO-18 Expected		17.6	9.8	19.3	28.7	15	407.4	7.4	9.9	16.4	200	14.8	290	29	12.3	27.1	3.45	14	3	0.89	2.93
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.5	<0.1	<0.1	0.5	<1	<0.5	0.3	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
BLK	Blank	<0.5	<0.1	<0.1	0.4	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05
BLK	Blank	<0.5	<0.1	0.2	0.9	<1	<0.5	0.3	<0.2	<0.1	<8	<0.5	0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05
BLK	Blank																				
BLK	Blank																				



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PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

Submitted By: Garth Drever  
Receiving Lab: Canada-Val-d'Or  
Received: July 24, 2014  
Report Date: August 27, 2014  
Page: 1 of 6

## CERTIFICATE OF ANALYSIS

YVO14000009A.3

### CLIENT JOB INFORMATION

Project: None Given  
Shipment ID: 6  
P.O. Number  
Number of Samples: 135

### SAMPLE DISPOSAL

RTRN-PLP Return  
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Houston Lake Mining  
2736 Belisle Dr.  
Val Caron ON P3N 1B3  
CANADA

CC: Trevor Walker

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
8X	135	X-Ray Fluorescence / Single element Fusion		Completed	VAN

### ADDITIONAL COMMENTS

Version 3 : Revised Ta results and reporting unit.



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 27, 2014

**Page:** 2 of 6

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO1400009A.3

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00096001	Drill Core	0.08	0.63	80
B00096002	Drill Core	0.09	0.65	55
B00096003	Drill Core	0.11	0.33	63
B00096004	Drill Core	0.02	0.06	94
B00096005	Drill Core	0.04	0.43	70
B00096006	Pulp	0.61	0.72	66
B00096007	Drill Core	0.05	0.50	31
B00096008	Drill Core	0.03	0.20	89
B00096009	Drill Core	0.05	0.22	244
B00096010	Drill Core	0.05	0.22	197
B00096011	Drill Core	0.04	0.23	54
B00096012	Pulp	<0.01	<0.01	<10
B00096013	Drill Core	0.03	0.24	58
B00096014	Drill Core	0.03	0.23	58
B00096015	Drill Core	0.02	0.25	52
B00096016	Drill Core	0.01	0.12	86
B00096017	Drill Core	0.03	0.28	96
B00096018	Drill Core	<0.01	0.11	82
B00096019	Drill Core	0.06	0.37	91
B00096020	Drill Core	0.05	0.35	80
B00096021	Drill Core	0.03	0.16	25
B00096022	Drill Core	0.11	0.70	74
B00096023	Drill Core	0.02	0.08	114
B00096024	Pulp	2.05	0.56	67
B00096025	Drill Core	0.07	0.40	83
B00096026	Drill Core	0.04	0.24	102
B00096027	Drill Core	0.02	0.04	167
B00096028	Drill Core	0.05	0.37	104
B00096029	Drill Core	0.05	0.37	59
B00096030	Pulp	<0.01	<0.01	<10



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 27, 2014

**Page:** 3 of 6

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO1400009A.3

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00096031	Drill Core	0.05	0.34	92
B00096032	Drill Core	0.02	0.22	47
B00096033	Drill Core	0.01	0.20	95
B00096034	Drill Core	0.01	0.19	95
B00096035	Drill Core	0.02	0.33	134
B00096036	Drill Core	0.02	0.29	120
B00096037	Drill Core	0.02	0.30	109
B00096038	Drill Core	0.02	0.32	112
B00096039	Drill Core	0.01	0.23	133
B00096040	Drill Core	0.02	0.27	97
B00096041	Drill Core	<0.01	0.28	68
B00096042	Pulp	0.08	0.40	159
B00096043	Drill Core	0.01	0.26	74
B00096044	Drill Core	0.01	0.34	67
B00096045	Drill Core	<0.01	0.15	101
B00096046	Drill Core	0.01	0.30	71
B00096047	Drill Core	<0.01	0.45	26
B00096048	Pulp	<0.01	<0.01	<10
B00096049	Drill Core	0.01	0.27	56
B00096050	Drill Core	<0.01	0.14	91
B00096051	Drill Core	0.02	0.38	70
B00096052	Drill Core	0.01	0.41	72
B00096053	Drill Core	0.01	0.34	48
B00096054	Drill Core	0.02	0.39	46
B00096055	Drill Core	<0.01	0.11	29
B00096056	Drill Core	0.01	0.48	19
B00096057	Drill Core	0.01	0.19	125
B00096058	Drill Core	0.01	0.21	53
B00096059	Drill Core	<0.01	<0.01	<10
B00096060	Pulp	3.97	0.45	60

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2736 Belisle Dr.

Val Caron ON P3N 1B3 CANADA

Project: None Given

Report Date: August 27, 2014

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Part: 1 of 1

## CERTIFICATE OF ANALYSIS

YVO1400009A.3

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00096061	Drill Core	<0.01	<0.01	<10
B00096062	Drill Core	<0.01	0.16	57
B00096063	Drill Core	0.01	0.33	55
B00096064	Drill Core	0.02	0.31	86
B00096065	Drill Core	0.02	0.44	102
B00096066	Pulp	<0.01	<0.01	<10
B00096067	Drill Core	0.01	0.30	109
B00096068	Drill Core	0.01	0.32	40
B00096069	Drill Core	0.01	0.20	109
B00096070	Drill Core	0.02	0.42	65
B00096071	Drill Core	0.01	0.29	77
B00096072	Drill Core	0.03	0.25	78
B00096073	Drill Core	0.02	0.28	62
B00096074	Drill Core	0.02	0.26	89
B00096075	Drill Core	<0.01	0.13	90
B00096076	Drill Core	0.01	0.30	213
B00096077	Drill Core	<0.01	0.21	363
B00096078	Pulp	0.07	0.40	150
B00096079	Drill Core	<0.01	0.21	180
B00096080	Drill Core	<0.01	0.09	61
B00096081	Drill Core	0.01	0.23	77
B00096082	Drill Core	<0.01	0.26	72
B00096083	Drill Core	0.02	0.27	70
B00096084	Pulp	<0.01	<0.01	<10
B00096085	Drill Core	0.03	0.28	29
B00096086	Drill Core	0.04	0.27	22
B00096087	Drill Core	0.02	0.07	148
B00096088	Drill Core	0.02	0.07	107
B00096089	Drill Core	0.01	0.04	123
B00096090	Drill Core	<0.01	0.02	147



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**Client:** **Houston Lake Mining**  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 27, 2014

**Page:** 5 of 6

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO1400009A.3

Method	Analyte	LF700	LF700	LF700
		Cs	Rb	Ta
Unit		%	%	ppm
MDL		0.01	0.01	10
B00096091	Drill Core	<0.01	0.02	109
B00096092	Drill Core	0.02	0.19	61
B00096093	Drill Core	0.01	0.09	114
B00096094	Drill Core	0.02	0.16	69
B00096095	Drill Core	0.01	0.10	139
B00096096	Pulp	0.62	0.73	69
B00096097	Drill Core	<0.01	0.02	111
B00096098	Drill Core	<0.01	0.02	106
B00096099	Drill Core	0.02	0.18	110
B00096100	Drill Core	0.02	0.15	61
B00096101	Drill Core	0.01	0.07	16
B00096102	Pulp	<0.01	<0.01	<10
B00096103	Drill Core	0.02	0.09	56
B00096104	Drill Core	0.05	0.50	47
B00096105	Drill Core	0.04	0.20	128
B00096106	Drill Core	0.05	0.28	117
B00096107	Drill Core	0.05	0.28	49
B00096108	Drill Core	0.08	0.86	29
B00096109	Drill Core	0.01	0.04	24
B00096110	Drill Core	0.05	0.27	385
B00096111	Drill Core	0.08	0.84	72
B00096112	Drill Core	0.07	0.28	202
B00096113	Drill Core	0.07	0.29	166
B00096114	Pulp	2.02	0.56	78
B00096115	Drill Core	0.04	0.14	205
B00096116	Drill Core	0.04	0.18	216
B00096117	Drill Core	0.04	0.21	247
B00096118	Drill Core	0.06	0.29	149
B00096119	Drill Core	0.04	0.24	306
B00096120	Pulp	<0.01	<0.01	<10



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2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 27, 2014

**Page:** 6 of 6

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

YVO1400009A.3

	Method	LF700	LF700	LF700
		Cs	Rb	Ta
Analyte		%	%	ppm
Unit				
MDL		0.01	0.01	10
B00096121	Drill Core	0.04	0.23	354
B00096122	Drill Core	0.02	0.14	223
B00096123	Drill Core	0.03	0.16	202
B00096124	Drill Core	0.04	0.19	214
B00096125	Drill Core	0.05	0.18	102
B00096126	Drill Core	0.05	0.33	63
B00096127	Drill Core	0.07	0.17	<10
B00096128	Drill Core	0.04	0.27	75
B00096129	Drill Core	0.03	0.12	185
B00096131	Drill Core	0.02	0.11	60
B00096130	Drill Core	0.03	0.07	154
B00096132	Drill Core	0.08	0.15	<10
B00096372	Pulp	0.62	0.73	74
B00096797	Drill Core	0.12	0.33	21
B00096798	Pulp	<0.01	<0.01	<10

Bureau Veritas Commodities Canada Ltd.

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**Client:** **Houston Lake Mining**  
2736 Belisle Dr.  
Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** August 27, 2014

**Page:** 1 of 1

**Part:** 1 of 1

## QUALITY CONTROL REPORT

YVO1400009A.3

Method	LF700	LF700	LF700	
Analyte	Cs	Rb	Ta	
Unit	%	%	ppm	
MDL	0.01	0.01	10	
Pulp Duplicates				
B00096036	Drill Core	0.02	0.29	120
REP B00096036	QC	0.02	0.29	116
B00096072	Drill Core	0.03	0.25	78
REP B00096072	QC	0.02	0.25	77
B00096108	Drill Core	0.08	0.86	29
REP B00096108	QC	0.08	0.87	44
B00096798	Pulp	<0.01	<0.01	<10
REP B00096798	QC	<0.01	<0.01	<10
Reference Materials				
STD MICA-FE(D)	Standard	0.01	0.21	29
STD MICA-FE(D)	Standard	0.01	0.21	38
STD MICA-FE(D)	Standard	0.02	0.21	33
STD MICA-FE(D)	Standard	0.01	0.21	33
STD VS-N(D)	Standard	0.09	0.08	639
STD VS-N(D)	Standard	0.09	0.08	673
STD VS-N(D)	Standard	0.09	0.08	621
STD VS-N(D)	Standard	0.10	0.08	641
STD VS-N(D) Expected		0.0942		
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	<10
BLK	Blank	<0.01	<0.01	<10



## CERTIFICATE OF ANALYSIS

YVO14000020.1

### CLIENT JOB INFORMATION

Project: None Given  
Shipment ID: 7  
P.O. Number  
Number of Samples: 87

### SAMPLE DISPOSAL

RTRN-PLP Return  
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
CRUPR	87	Primary crushing entire sample of whole core			YVO
SPTRF	87	Split samples by riffle splitter			YVO
PRP70-250	87	Crush, split and pulverize 250 g rock to 200 mesh			YVO
PULCB	87	Pulverize Ceramic bowl			VAN
PULSW	87	Extra Wash with Glass between each sample			VAN
LF200	87	Total Whole Rock Characterization	0.2	Completed	VAN
LF700-X	87	Single elements by fusion XRF		Completed	VAN
PF370-B	87	Na2O2 fusion digestion, analysis by ICP-ES	0.25	Completed	VAN
PF370-Li	87	Na2O2 fusion, analysis by ICP-ES	0.25	Completed	VAN
GC840	87	Trace level F by specific ion electrode	0.2	Completed	VAN

### ADDITIONAL COMMENTS

Invoice To: Houston Lake Mining  
2736 Belisle Dr.  
Val Caron ON P3N 1B3  
CANADA

CC: Trevor Walker





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Bureau Veritas Commodities Canada Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: September 18, 2014

Page: 2 of 4

Part: 1 of 3

# CERTIFICATE OF ANALYSIS

YVO14000020.1

Method	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Ga	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.5	
043901	Rock	6.62	74.72	15.91	0.33	0.03	0.17	2.45	2.62	<0.01	0.17	0.07	<0.002	<20	<1	1.0	97.49	8	106	0.2	29.8
043902	Drill Core	9.41	76.45	15.56	0.39	0.03	0.33	1.44	0.85	<0.01	0.31	0.11	<0.002	<20	<1	0.8	96.31	5	117	<0.2	26.1
043902-A	Pulp	0.06	98.47	0.68	0.11	0.04	0.03	0.01	0.15	0.05	0.02	<0.01	<0.002	<20	<1	0.4	99.97	14	<1	0.3	<0.5
043903	Drill Core	5.64	72.51	16.17	0.37	0.01	0.20	5.64	2.51	<0.01	0.23	0.09	<0.002	<20	<1	1.0	98.76	9	152	<0.2	42.7
043904	Drill Core	5.38	72.75	15.84	0.52	0.01	0.28	4.91	2.50	<0.01	0.29	0.10	<0.002	<20	<1	1.2	98.45	7	198	<0.2	46.8
043905	Drill Core	5.21	73.67	15.47	0.36	<0.01	0.31	6.75	1.65	<0.01	0.34	0.11	<0.002	<20	<1	0.6	99.27	4	178	<0.2	37.4
043905-A	Pulp	0.02	65.02	20.12	0.25	0.04	0.16	1.73	2.73	<0.01	0.25	0.03	0.017	<20	1	2.4	92.75	10	30	0.3	55.8
043906	Drill Core	4.12	73.34	16.24	0.21	0.01	0.19	5.47	2.21	<0.01	0.23	0.08	<0.002	<20	<1	0.8	98.80	9	112	<0.2	36.7
043907	Drill Core	4.12	73.82	16.82	0.19	0.04	0.09	2.78	1.20	<0.01	0.10	0.05	<0.002	<20	<1	2.1	97.19	7	335	<0.2	31.4
043908	Rock	4.23	74.59	16.62	0.28	0.02	0.19	3.19	1.85	<0.01	0.19	0.08	<0.002	<20	<1	0.7	97.74	6	332	<0.2	34.6
043909	Rock	3.38	74.03	16.35	0.23	0.03	0.14	0.61	3.03	<0.01	0.19	0.09	<0.002	<20	<1	2.1	96.82	12	357	<0.2	25.2
043910	Rock	3.28	73.42	16.66	0.28	0.02	0.18	3.53	2.53	<0.01	0.21	0.06	<0.002	<20	<1	0.9	97.82	8	146	<0.2	32.8
043911	Rock	2.81	75.20	16.03	0.25	0.03	0.17	3.57	1.37	<0.01	0.19	0.09	<0.002	<20	<1	0.8	97.66	9	89	<0.2	28.9
043912	Rock	6.07	79.25	9.23	3.72	0.39	1.32	0.41	0.69	0.04	0.92	0.06	0.002	<20	2	0.9	96.94	19	324	7.1	25.2
043913	Rock	5.73	85.87	8.67	0.64	0.08	0.09	0.14	2.35	<0.01	0.08	0.06	<0.002	<20	<1	1.4	99.42	13	182	<0.2	43.6
043913-A	Pulp	0.06	98.48	0.69	0.10	0.04	0.04	0.01	0.15	0.05	0.01	<0.01	<0.002	<20	<1	0.4	99.98	15	<1	0.5	<0.5
043914	Rock	4.95	81.92	11.47	0.56	0.05	0.09	1.33	2.57	<0.01	0.08	0.03	<0.002	<20	<1	1.3	99.43	10	321	0.3	47.7
043915	Rock	5.60	76.33	14.90	0.42	0.03	0.11	4.42	2.03	<0.01	0.08	0.09	<0.002	<20	<1	1.1	99.56	9	230	0.2	45.8
043916	Rock	5.54	76.85	14.92	0.56	0.04	0.07	0.90	3.68	<0.01	0.05	0.06	<0.002	<20	<1	2.2	99.33	24	93	<0.2	75.6
043916-A	Pulp	0.02	76.10	10.95	0.67	0.02	1.31	2.19	2.21	<0.01	1.13	0.29	0.003	<20	<1	1.4	96.31	20	515	0.8	38.5
043917	Rock	5.46	73.50	16.58	0.41	0.02	0.21	4.41	2.03	<0.01	0.23	0.10	<0.002	<20	<1	1.1	98.59	8	174	<0.2	46.5
043918	Rock	3.06	73.37	16.39	0.37	0.01	0.21	5.74	2.19	<0.01	0.19	0.11	<0.002	<20	<1	0.8	99.40	9	99	<0.2	44.4
043919	Rock	2.65	73.20	17.27	0.25	0.02	0.13	4.37	2.16	<0.01	0.14	0.06	<0.002	<20	<1	0.8	98.41	11	122	<0.2	37.5
043920	Rock	3.04	74.03	17.09	0.14	0.02	0.06	0.11	0.19	<0.01	0.07	0.07	<0.002	<20	<1	3.4	95.20	6	5	<0.2	17.4
043921	Rock	3.14	73.55	16.95	0.25	0.02	0.17	3.03	3.02	<0.01	0.20	0.08	<0.002	<20	<1	0.6	97.88	9	99	<0.2	29.1
043922	Rock	3.56	72.36	17.21	0.18	0.03	0.15	0.76	4.46	<0.01	0.17	0.06	<0.002	<20	<1	1.8	97.14	16	23	<0.2	21.7
043923	Rock	3.43	75.80	15.22	0.24	0.03	0.15	0.30	1.13	<0.01	0.12	0.06	<0.002	<20	<1	3.5	96.57	9	107	<0.2	22.0
043924	Rock	2.64	69.63	17.57	0.10	0.02	0.11	0.98	8.26	<0.01	0.19	0.03	<0.002	<20	<1	1.5	98.43	28	41	0.2	22.0
043924-A	Pulp	0.06	98.46	0.70	0.11	0.04	0.04	0.01	0.16	0.05	<0.01	<0.01	<0.002	<20	<1	0.4	99.98	16	<1	0.3	<0.5
043925	Rock	2.11	70.68	16.26	0.52	0.04	0.28	4.76	2.37	<0.01	0.35	0.18	<0.002	<20	<1	2.0	97.42	12	425	0.7	63.9

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

# CERTIFICATE OF ANALYSIS

YVO14000020.1

Method Analyte Unit MDL	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
	Hf ppm 0.1	Nb ppm 0.1	Sn ppm 1	Sr ppm 0.5	Th ppm 0.2	U ppm 0.1	V ppm 8	W ppm 0.5	Zr ppm 0.1	Y ppm 0.1	La ppm 0.1	Ce ppm 0.1	Pr ppm 0.02	Nd ppm 0.3	Sm ppm 0.05	Eu ppm 0.02	Gd ppm 0.05	Tb ppm 0.01	Dy ppm 0.05	Ho ppm 0.02	
043901	Rock	2.2	50.1	176	9.9	1.7	3.6	<8	1.9	14.5	0.3	0.4	0.5	0.04	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
043902	Drill Core	1.7	104.6	1281	5.3	2.0	6.0	<8	1.8	9.0	1.0	0.8	1.0	0.09	<0.3	0.09	<0.02	0.12	0.02	0.12	0.03
043902-A	Pulp	1.5	1.7	<1	4.0	2.1	0.3	11	<0.5	60.8	3.5	12.7	23.6	3.10	11.5	2.00	0.35	1.40	0.15	0.83	0.15
043903	Drill Core	2.6	75.4	201	17.5	2.2	5.2	<8	2.7	15.6	0.3	0.8	0.4	0.03	0.3	<0.05	<0.02	0.06	<0.01	<0.05	<0.02
043904	Drill Core	5.2	87.7	164	13.5	2.6	6.6	<8	3.2	34.1	0.6	0.7	0.4	0.04	<0.3	<0.05	<0.02	0.06	0.02	0.10	<0.02
043905	Drill Core	3.1	101.4	81	19.9	2.8	5.6	<8	1.9	18.0	0.3	0.3	0.3	0.02	<0.3	<0.05	<0.02	<0.05	0.01	<0.05	<0.02
043905-A	Pulp	1.1	21.4	71	23.1	0.8	3.1	<8	0.6	5.1	<0.1	0.9	0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
043906	Drill Core	2.9	57.3	96	10.2	2.3	4.0	<8	1.4	18.9	0.2	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	0.05	<0.01	<0.05	<0.02
043907	Drill Core	2.5	37.4	133	5.6	1.2	1.6	<8	0.9	14.7	0.2	0.3	0.3	<0.02	<0.3	<0.05	<0.02	0.07	<0.01	<0.05	<0.02
043908	Rock	1.2	53.5	134	6.3	1.6	3.2	<8	2.1	7.8	0.5	0.2	0.3	<0.02	<0.3	<0.05	<0.02	0.07	0.01	0.08	<0.02
043909	Rock	0.4	25.8	83	6.8	3.4	3.1	<8	1.1	3.1	0.1	0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
043910	Rock	1.9	57.0	93	10.9	2.2	3.4	<8	1.7	11.5	0.2	0.3	0.4	0.03	<0.3	<0.05	<0.02	0.05	0.01	<0.05	<0.02
043911	Rock	1.4	56.4	81	8.5	2.0	3.5	<8	2.0	9.4	0.5	0.4	0.5	0.02	<0.3	<0.05	<0.02	0.09	0.01	0.09	<0.02
043912	Rock	3.4	13.4	957	136.2	21.0	4.5	14	1.4	74.6	10.1	16.4	30.5	3.80	14.4	3.35	0.36	2.75	0.36	1.85	0.34
043913	Rock	3.0	16.3	364	22.9	2.3	1.8	<8	2.8	17.3	0.6	0.4	0.5	0.04	<0.3	0.06	0.03	0.12	0.01	0.07	<0.02
043913-A	Pulp	1.7	1.0	<1	3.8	2.0	0.3	10	<0.5	66.1	3.5	12.9	24.4	3.17	11.0	1.88	0.36	1.40	0.16	0.69	0.13
043914	Rock	2.1	68.5	525	26.2	4.1	2.7	<8	2.4	11.1	0.4	0.2	0.3	0.03	<0.3	<0.05	0.03	0.11	0.01	0.06	<0.02
043915	Rock	3.0	72.3	344	30.8	6.7	2.7	<8	1.9	16.9	0.5	0.5	0.7	0.10	0.4	<0.05	0.03	0.09	<0.01	0.05	<0.02
043916	Rock	1.8	61.2	727	17.0	2.8	1.7	<8	2.4	8.9	0.3	0.3	0.3	<0.02	<0.3	<0.05	<0.02	0.08	<0.01	0.06	<0.02
043916-A	Pulp	2.4	82.5	104	13.7	8.0	4.1	14	4.8	18.5	15.1	10.1	20.9	2.57	9.8	2.14	0.38	2.21	0.38	2.38	0.51
043917	Rock	2.2	124.5	778	14.6	5.7	5.6	<8	2.1	13.3	0.3	0.3	0.5	0.04	0.3	<0.05	<0.02	0.08	<0.01	<0.05	<0.02
043918	Rock	3.6	53.0	279	8.2	5.4	5.0	<8	2.7	24.7	0.2	0.4	0.6	0.04	<0.3	<0.05	<0.02	0.09	<0.01	<0.05	<0.02
043919	Rock	2.1	52.8	136	14.6	4.4	2.8	<8	1.3	12.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
043920	Rock	<0.1	8.5	49	2.9	<0.2	<0.1	<8	<0.5	0.3	<0.1	0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
043921	Rock	0.9	28.5	86	9.1	1.4	1.3	<8	0.9	4.3	<0.1	0.6	0.2	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	0.06	<0.02
043922	Rock	<0.1	14.1	33	8.5	0.4	0.6	<8	0.6	0.8	0.2	0.2	0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
043923	Rock	0.4	27.6	49	6.5	0.5	0.6	<8	1.1	3.0	0.3	0.3	0.4	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
043924	Rock	0.3	11.7	20	8.5	0.2	0.3	<8	<0.5	2.0	0.1	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
043924-A	Pulp	1.5	1.1	<1	4.2	2.0	0.3	<8	<0.5	58.5	3.5	12.8	23.7	3.11	11.5	1.84	0.33	1.34	0.15	0.83	0.15
043925	Rock	2.0	82.9	921	7.9	4.3	3.8	<8	5.2	9.2	1.8	3.1	5.8	0.60	2.2	0.42	0.08	0.49	0.07	0.35	0.06

# CERTIFICATE OF ANALYSIS

YVO1400020.1

Method	LF200	LF200	LF200	LF200	TC000	TC000	LF700	LF700	LF700	PF370	PF370	GC840	
Analyte	Er	Tm	Yb	Lu	TOT/C	TOT/S	Cs	Rb	Ta	B	Li	F	
Unit	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%	ppm	
MDL	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01	10	
043901	Rock	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.27	53	0.03	0.90	1705
043902	Drill Core	0.07	0.01	0.09	<0.01	<0.02	<0.02	0.02	0.12	181	0.02	1.41	1756
043902-A	Pulp	0.41	0.06	0.41	0.06	<0.02	<0.02	<0.01	<0.01	<10	<0.01	<0.01	82
043903	Drill Core	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	0.29	132	0.02	0.24	2284
043904	Drill Core	<0.03	<0.01	0.06	<0.01	<0.02	<0.02	0.05	0.30	106	0.04	0.24	3515
043905	Drill Core	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.17	170	0.05	0.08	1163
043905-A	Pulp	<0.03	<0.01	<0.05	<0.01	0.05	<0.02	3.94	0.44	71	<0.01	1.50	815
043906	Drill Core	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.24	110	<0.01	0.35	1475
043907	Drill Core	0.03	<0.01	<0.05	<0.01	0.02	<0.02	0.02	0.12	98	<0.01	1.22	340
043908	Rock	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.22	70	<0.01	0.89	775
043909	Rock	<0.03	<0.01	<0.05	<0.01	0.03	<0.02	0.03	0.32	45	<0.01	1.37	611
043910	Rock	<0.03	<0.01	<0.05	<0.01	0.03	<0.02	0.03	0.29	76	<0.01	0.83	1306
043911	Rock	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	0.03	0.16	83	0.02	0.91	1338
043912	Rock	1.00	0.15	1.06	0.18	0.03	0.08	0.02	0.08	24	0.65	0.05	2688
043913	Rock	0.04	<0.01	<0.05	<0.01	0.03	<0.02	0.02	0.25	37	<0.01	0.03	1829
043913-A	Pulp	0.37	0.05	0.34	0.05	<0.02	<0.02	<0.01	<0.01	<10	<0.01	<0.01	77
043914	Rock	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	0.02	0.25	177	<0.01	0.03	1453
043915	Rock	0.05	<0.01	<0.05	<0.01	0.03	<0.02	0.01	0.19	160	<0.01	0.02	1058
043916	Rock	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	0.02	0.38	132	<0.01	0.03	1925
043916-A	Pulp	1.54	0.23	1.51	0.23	<0.02	<0.02	0.07	0.38	155	0.07	0.47	>10000
043917	Rock	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	0.02	0.23	216	<0.01	0.44	1170
043918	Rock	<0.03	<0.01	<0.05	<0.01	0.02	<0.02	0.02	0.22	87	<0.01	0.15	854
043919	Rock	<0.03	<0.01	<0.05	<0.01	0.09	<0.02	0.01	0.21	116	<0.01	0.66	578
043920	Rock	<0.03	<0.01	<0.05	<0.01	0.05	<0.02	<0.01	0.03	15	<0.01	2.27	188
043921	Rock	<0.03	<0.01	<0.05	<0.01	0.03	<0.02	0.02	0.29	55	0.01	0.89	566
043922	Rock	0.03	<0.01	<0.05	<0.01	0.03	<0.02	0.02	0.41	14	<0.01	1.29	362
043923	Rock	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	0.01	0.14	30	<0.01	1.57	474
043924	Rock	<0.03	<0.01	<0.05	<0.01	0.02	<0.02	0.03	0.71	17	<0.01	0.69	337
043924-A	Pulp	0.40	0.06	0.38	0.05	<0.02	<0.02	<0.01	<0.01	<10	<0.01	<0.01	96
043925	Rock	0.15	0.01	0.11	0.02	0.02	<0.02	0.09	0.34	171	0.08	0.29	6522

# CERTIFICATE OF ANALYSIS

YVO1400020.1

Method	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Ga	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.5	
043926	Rock	1.81	76.94	16.35	0.06	0.04	0.01	0.10	0.11	<0.01	0.02	0.02	<0.002	<20	<1	2.0	95.60	4	2	0.7	15.2
043927	Rock	6.06	74.03	16.18	0.07	0.03	0.05	0.31	0.41	<0.01	0.17	0.03	<0.002	<20	<1	4.2	95.43	4	11	0.8	18.1
043927-A	Pulp	0.02	63.34	19.82	0.24	0.04	0.15	1.68	2.66	<0.01	0.22	0.03	0.016	<20	<1	4.7	92.85	11	22	0.4	56.9
043928	Rock	6.48	75.26	16.90	0.09	0.02	0.05	0.62	0.45	<0.01	0.07	0.03	<0.002	<20	<1	1.9	95.41	5	35	0.6	19.4
043929	Rock	6.99	76.86	15.92	0.14	0.02	0.03	0.74	0.34	<0.01	0.10	0.03	<0.002	<20	<1	1.7	95.90	2	28	1.0	20.6
043930	Rock	6.32	76.12	16.07	0.06	0.03	0.02	0.31	0.20	<0.01	0.03	0.01	<0.002	<20	<1	2.8	95.62	2	1	0.6	17.2
043931	Rock	6.69	76.06	16.57	0.06	0.01	0.03	0.29	0.21	<0.01	0.03	0.02	<0.002	<20	<1	2.2	95.48	2	16	1.1	18.1
043932	Rock	4.37	77.06	15.99	0.04	0.02	0.02	0.28	0.17	<0.01	0.04	0.01	<0.002	<20	<1	2.1	95.69	2	22	3.7	16.0
043933	Rock	6.20	68.45	17.52	0.07	0.03	0.06	1.28	8.72	<0.01	0.31	0.03	<0.002	<20	<1	1.7	98.20	184	<1	1.2	26.7
043934	Rock	5.73	75.22	15.91	0.20	0.03	0.18	0.30	0.42	<0.01	0.17	0.05	<0.002	<20	<1	3.1	95.57	2	3	1.5	17.7
043935	Rock	6.84	71.40	15.70	0.30	0.03	0.33	1.14	6.45	<0.01	0.40	0.10	<0.002	<20	<1	1.0	96.87	82	28	0.7	30.6
043935-A	Pulp	0.07	98.58	0.69	0.11	0.03	0.03	0.02	0.15	0.05	0.01	<0.01	<0.002	<20	<1	0.3	99.99	15	<1	0.3	<0.5
043936	Rock	4.44	70.71	16.42	0.11	0.03	0.09	1.12	4.01	<0.01	0.22	0.05	<0.002	<20	<1	3.9	96.63	56	81	1.4	25.5
043937	Rock	1.98	65.78	18.11	2.81	0.06	0.61	1.92	2.33	0.03	0.50	0.26	<0.002	<20	3	2.2	94.59	8	122	0.5	66.7
043938	Rock	1.34	73.98	14.94	0.96	0.04	0.31	1.78	3.75	0.01	0.23	0.18	<0.002	<20	2	1.4	97.56	87	100	<0.2	41.9
043938-A	Pulp	0.02	75.86	10.96	0.76	0.02	1.32	2.21	2.23	0.01	1.13	0.29	0.003	<20	<1	1.6	96.40	13	504	0.8	36.7
043939	Rock	1.09	75.52	16.14	0.20	0.04	0.08	0.18	0.61	<0.01	0.13	0.05	<0.002	<20	<1	2.6	95.52	3	14	<0.2	24.3
043940	Rock	4.46	76.57	16.29	0.10	0.02	0.05	0.13	0.16	<0.01	0.12	0.09	<0.002	<20	<1	2.1	95.60	2	14	<0.2	15.0
043941	Rock	4.18	74.48	17.52	0.16	0.02	0.05	0.08	0.10	<0.01	0.09	0.06	<0.002	<20	<1	2.5	95.03	2	102	1.5	17.3
043942	Rock	3.13	77.11	15.96	0.07	0.02	0.03	0.26	0.18	<0.01	0.07	0.02	<0.002	<20	<1	1.9	95.62	2	3	3.2	16.0
043943	Rock	3.05	75.59	17.17	0.05	0.02	0.02	0.25	0.10	<0.01	0.02	0.01	<0.002	<20	<1	2.1	95.29	3	<1	2.6	16.8
043944	Rock	4.54	77.06	16.35	0.06	0.02	<0.01	0.11	0.07	<0.01	0.01	<0.01	<0.002	<20	<1	1.8	95.49	1	<1	2.1	15.2
043945	Rock	4.73	74.72	17.84	0.07	0.02	0.03	0.17	0.07	<0.01	0.02	0.01	<0.002	<20	<1	2.1	95.07	<1	<1	3.2	18.2
043946	Rock	4.06	76.57	16.46	0.06	0.01	0.02	0.15	0.18	<0.01	0.04	0.01	<0.002	<20	<1	2.0	95.52	4	2	3.8	15.3
043946-A	Pulp	0.06	98.69	0.69	0.11	0.04	0.03	0.02	0.15	0.05	0.02	<0.01	<0.002	<20	<1	0.2	99.98	14	1	0.3	<0.5
043947	Rock	1.15	76.20	13.25	0.96	0.04	0.46	3.44	4.64	0.01	0.02	0.07	<0.002	<20	3	0.6	99.71	233	4	0.3	14.5
043948	Rock	0.82	76.20	13.34	1.12	0.05	0.58	3.54	4.66	0.01	0.01	0.06	<0.002	<20	3	0.2	99.78	251	1	0.3	14.0
043949	Rock	0.42	75.65	13.43	1.32	0.05	0.65	3.53	4.83	0.02	0.01	0.06	<0.002	<20	3	0.3	99.86	444	2	0.3	13.8
043949-A	Pulp	0.02	65.09	20.25	0.27	0.04	0.16	1.77	2.77	<0.01	0.24	0.03	0.017	<20	<1	2.2	92.80	11	22	0.3	55.6
043950	Rock	0.87	76.06	13.06	1.15	0.03	0.58	3.52	4.62	0.01	0.02	0.04	<0.002	<20	3	0.7	99.81	268	1	0.2	12.8

# CERTIFICATE OF ANALYSIS

YVO14000020.1

Method Analyte Unit MDL	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
	Hf	Nb	Sn	Sr	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	0.1	0.1	1	0.5	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	
043926	Rock	<0.1	1.2	18	1.0	<0.2	<0.1	<8	<0.5	0.5	<0.1	0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
043927	Rock	0.4	6.7	35	3.6	0.4	0.6	<8	1.2	2.1	0.2	0.4	0.5	0.04	<0.3	<0.05	<0.02	0.05	<0.01	<0.05	<0.02
043927-A	Pulp	1.0	21.3	68	21.8	1.3	2.6	<8	0.5	5.7	<0.1	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
043928	Rock	0.4	24.8	30	2.7	0.5	1.1	<8	1.4	2.6	0.2	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
043929	Rock	0.2	9.2	33	2.3	0.3	1.1	<8	1.1	2.0	<0.1	0.3	0.2	0.03	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
043930	Rock	0.1	2.8	20	1.6	<0.2	0.4	<8	0.6	2.0	<0.1	0.6	0.3	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
043931	Rock	0.2	4.3	20	1.5	0.7	0.2	<8	1.1	4.7	0.4	0.5	0.7	0.05	<0.3	0.14	<0.02	0.07	0.01	<0.05	<0.02
043932	Rock	0.3	4.3	16	1.6	<0.2	0.3	<8	2.4	1.1	<0.1	0.3	0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
043933	Rock	0.4	7.7	20	17.4	<0.2	0.8	<8	1.5	4.0	0.1	0.3	0.3	0.03	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
043934	Rock	0.1	9.2	22	5.2	1.0	0.7	<8	2.6	2.3	1.8	1.3	3.1	0.43	0.9	0.29	0.04	0.29	0.04	0.38	<0.02
043935	Rock	1.2	20.5	45	12.3	4.2	2.0	<8	4.0	12.7	3.4	3.7	7.0	0.81	2.7	0.58	0.09	0.60	0.09	0.54	0.12
043935-A	Pulp	1.7	1.8	<1	3.9	2.0	0.3	<8	<0.5	63.0	3.3	13.2	24.5	3.05	10.9	1.86	0.34	1.35	0.15	0.70	0.12
043936	Rock	0.3	17.8	30	9.0	1.6	0.6	<8	2.3	2.6	0.6	0.8	1.4	0.15	0.5	0.06	<0.02	0.06	0.01	0.08	<0.02
043937	Rock	1.0	45.1	199	13.1	2.5	2.9	<8	3.7	5.0	11.9	4.0	9.2	1.24	5.2	1.90	0.09	2.05	0.36	1.93	0.32
043938	Rock	1.2	56.8	97	20.2	6.9	5.0	<8	3.0	21.1	4.7	4.9	10.2	1.16	3.8	0.86	0.09	0.81	0.14	0.88	0.17
043938-A	Pulp	2.2	83.2	109	13.2	8.9	4.5	<8	5.0	17.6	15.0	9.4	20.7	2.54	9.4	2.15	0.36	2.11	0.39	2.51	0.52
043939	Rock	0.1	22.7	31	3.0	0.6	0.8	14	1.7	0.5	0.2	0.5	0.6	0.09	<0.3	<0.05	<0.02	<0.05	<0.01	0.05	<0.02
043940	Rock	<0.1	3.9	12	3.5	<0.2	0.5	<8	<0.5	0.3	<0.1	0.2	0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
043941	Rock	0.1	6.5	14	2.5	<0.2	0.3	<8	<0.5	0.4	0.2	0.2	0.2	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
043942	Rock	0.1	3.1	11	2.4	<0.2	0.2	<8	0.6	0.4	<0.1	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
043943	Rock	0.2	1.1	13	1.9	<0.2	0.1	<8	<0.5	1.0	0.1	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
043944	Rock	0.1	0.9	9	1.0	<0.2	<0.1	<8	<0.5	0.3	<0.1	0.2	0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
043945	Rock	<0.1	1.6	14	1.5	<0.2	0.2	<8	<0.5	0.4	<0.1	0.3	0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
043946	Rock	<0.1	2.2	11	1.5	<0.2	<0.1	<8	<0.5	0.4	<0.1	0.2	0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
043946-A	Pulp	1.5	1.0	<1	4.1	2.1	0.3	<8	<0.5	67.9	3.6	12.6	22.8	2.84	10.6	1.74	0.31	1.21	0.14	0.69	0.14
043947	Rock	2.3	10.4	9	56.9	16.2	5.5	<8	1.5	50.7	15.6	12.3	23.9	2.78	10.3	2.51	0.20	2.61	0.44	2.51	0.50
043948	Rock	2.2	8.9	2	65.7	15.4	3.1	<8	0.6	54.9	13.2	16.1	32.1	3.57	13.3	2.72	0.30	2.38	0.38	2.23	0.43
043949	Rock	2.2	9.8	2	102.4	13.1	1.9	<8	<0.5	62.9	13.1	19.4	37.6	4.04	13.5	2.43	0.41	2.12	0.35	1.99	0.40
043949-A	Pulp	0.9	19.2	65	22.5	0.9	2.2	<8	0.7	6.1	0.1	0.3	0.2	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
043950	Rock	2.2	8.8	2	63.4	16.0	3.9	<8	<0.5	51.7	10.5	14.5	28.6	3.26	11.3	2.73	0.30	2.39	0.39	1.97	0.35

# CERTIFICATE OF ANALYSIS

YVO14000020.1

Method	Analyte	LF200	LF200	LF200	LF200	TC000	TC000	LF700	LF700	LF700	PF370	PF370	GC840
		Er	Tm	Yb	Lu	TOT/C	TOT/S	Cs	Rb	Ta	B	Li	F
Unit	Unit	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%	ppm
MDL	MDL	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01	10
043926	Rock	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.02	<10	<0.01	2.07	393
043927	Rock	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.05	0.07	25	<0.01	2.03	1615
043927-A	Pulp	<0.03	<0.01	<0.05	<0.01	0.05	<0.02	4.02	0.45	77	<0.01	1.49	872
043928	Rock	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.08	71	<0.01	2.00	1160
043929	Rock	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.06	24	0.01	1.84	1301
043930	Rock	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.04	13	<0.01	2.07	746
043931	Rock	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.04	17	<0.01	2.10	826
043932	Rock	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.03	36	<0.01	2.03	581
043933	Rock	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.09	0.80	39	<0.01	0.63	1859
043934	Rock	0.26	0.02	0.16	0.03	<0.02	<0.02	0.03	0.08	40	<0.01	1.99	1552
043935	Rock	0.33	0.05	0.34	0.05	0.02	<0.02	0.12	0.72	64	0.04	0.75	6485
043935-A	Pulp	0.35	0.05	0.32	0.05	<0.02	<0.02	<0.01	<0.01	<10	<0.01	<0.01	53
043936	Rock	0.05	<0.01	0.05	<0.01	<0.02	<0.02	0.08	0.46	59	0.01	1.27	3348
043937	Rock	0.80	0.10	0.56	0.07	<0.02	<0.02	0.08	0.34	105	0.87	0.43	8370
043938	Rock	0.52	0.08	0.59	0.10	<0.02	<0.02	0.11	0.34	80	0.05	0.57	4416
043938-A	Pulp	1.60	0.24	1.53	0.25	<0.02	<0.02	0.09	0.39	171	0.06	0.50	>10000
043939	Rock	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.10	35	<0.01	1.99	1480
043940	Rock	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	0.02	21	<0.01	2.13	327
043941	Rock	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.02	31	<0.01	2.34	452
043942	Rock	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.03	17	<0.01	2.05	483
043943	Rock	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.04	0.01	<10	<0.01	2.18	231
043944	Rock	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.01	<10	<0.01	2.15	138
043945	Rock	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	<0.01	0.01	26	<0.01	2.30	170
043946	Rock	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.01	0.02	<10	<0.01	2.13	215
043946-A	Pulp	0.40	0.06	0.32	0.06	<0.02	<0.02	<0.01	<0.01	<10	<0.01	<0.01	89
043947	Rock	1.35	0.21	1.21	0.19	<0.02	<0.02	0.02	0.05	<10	<0.01	0.05	487
043948	Rock	1.23	0.19	1.24	0.18	<0.02	<0.02	0.01	0.02	<10	<0.01	0.05	252
043949	Rock	1.15	0.19	1.21	0.19	<0.02	<0.02	<0.01	0.02	<10	<0.01	<0.01	166
043949-A	Pulp	<0.03	<0.01	<0.05	<0.01	0.06	<0.02	4.00	0.45	69	<0.01	1.54	617
043950	Rock	0.94	0.14	0.97	0.15	<0.02	<0.02	<0.01	0.02	<10	<0.01	0.03	336

# CERTIFICATE OF ANALYSIS

YVO1400020.1

Method	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Ga	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.5	
B00096903	Rock	0.65	75.71	13.29	0.99	0.08	0.64	3.63	4.61	0.02	0.05	0.07	<0.002	<20	3	0.8	99.90	265	2	3.7	13.9
B00096904	Rock	2.80	74.94	13.51	1.32	0.10	0.67	3.64	4.62	0.04	0.03	0.05	<0.002	<20	3	0.9	99.83	406	3	1.7	13.8
B00096905	Drill Core	0.79	74.69	13.94	1.30	0.09	0.88	3.65	4.65	0.04	0.03	0.06	<0.002	<20	3	0.5	99.84	382	1	0.8	13.7
B00096906	Drill Core	0.88	74.26	13.71	1.52	0.14	0.96	3.63	4.52	0.06	0.04	0.05	<0.002	<20	3	0.9	99.80	531	<1	2.1	13.8
B00096907	Drill Core	1.17	75.24	13.53	1.16	0.12	0.83	3.56	4.63	0.05	0.05	0.06	<0.002	<20	3	0.6	99.84	434	2	1.1	13.2
B00096908	Drill Core	0.42	73.23	13.92	2.23	0.32	1.01	3.31	4.72	0.15	0.06	0.03	<0.002	<20	5	0.7	99.68	1420	<1	2.0	13.4
B00096909	Rock	0.47	71.61	14.56	2.36	0.40	1.46	3.18	4.95	0.17	0.08	0.04	<0.002	<20	4	0.9	99.70	1364	3	4.5	13.6
B00096909-A	Pulp	0.06	98.60	0.69	0.12	0.04	0.03	0.02	0.16	0.05	0.01	<0.01	<0.002	<20	<1	0.3	100.02	14	<1	0.4	<0.5
B00096910	Rock	0.59	72.42	14.23	2.34	0.32	1.26	3.08	4.99	0.16	0.07	0.05	<0.002	<20	4	0.6	99.52	2422	2	1.5	12.2
B00096911	Rock	0.73	74.50	13.49	1.80	0.12	0.86	3.07	5.12	0.07	0.04	0.03	<0.002	<20	3	0.5	99.62	2084	1	1.5	13.0
B00096912	Rock	0.51	76.01	12.33	1.41	0.08	0.76	2.89	4.98	0.04	0.03	0.04	<0.002	<20	4	1.1	99.70	1104	2	1.1	10.9
B00096912-A	Pulp	0.02	76.42	10.80	0.62	0.02	1.30	2.22	2.22	<0.01	1.10	0.29	0.005	<20	1	1.5	96.45	14	496	0.4	36.7
B00096913	Rock	0.25	74.88	13.05	1.35	0.05	0.75	3.24	4.95	0.02	0.03	0.05	<0.002	<20	3	1.4	99.76	549	1	<0.2	12.2
B00096914	Rock	1.01	75.51	12.79	1.36	0.03	0.61	3.27	4.78	0.02	0.02	0.06	<0.002	<20	3	1.3	99.79	475	3	0.4	12.5
B00096915	Rock	0.52	75.84	13.02	0.98	0.01	0.59	3.74	4.45	<0.01	0.02	0.06	<0.002	<20	3	1.1	99.84	37	4	2.2	13.3
B00096916	Rock	1.09	76.36	13.14	0.94	0.03	0.62	3.68	4.37	0.01	0.02	0.05	<0.002	<20	3	0.5	99.73	142	3	1.7	13.6
B00096917	Rock	1.13	75.80	12.90	1.31	0.06	0.70	3.31	4.86	0.02	0.02	0.02	<0.002	<20	4	0.8	99.79	417	<1	0.6	12.7
B00096918	Rock	0.80	75.66	12.86	1.23	0.05	0.69	3.31	4.90	0.02	0.02	0.04	<0.002	<20	4	1.0	99.79	323	1	1.0	11.9
B00096919	Rock	0.70	75.20	13.34	1.17	0.05	0.56	3.66	4.67	0.01	0.01	0.05	<0.002	<20	4	1.1	99.81	208	2	<0.2	13.1
B00096920	Rock	1.19	75.38	13.32	1.26	0.04	0.60	3.68	4.64	0.01	0.02	0.06	<0.002	<20	3	0.7	99.71	214	<1	0.3	14.1
B00096920-A	Pulp	0.06	98.52	0.70	0.08	0.03	0.03	0.01	0.16	0.05	0.02	<0.01	<0.002	<20	<1	0.4	100.00	14	<1	0.3	2.0
B00096921	Rock	0.93	72.88	14.51	1.20	0.39	0.78	3.10	6.08	0.16	0.06	0.01	<0.002	<20	3	0.5	99.70	1141	1	1.6	13.0
B00096922	Rock	0.59	75.56	13.54	0.50	0.05	0.57	3.86	4.75	0.04	0.01	0.11	<0.002	<20	2	0.9	99.89	7	3	<0.2	18.4
B00096923	Rock	0.81	73.62	14.01	1.72	0.38	1.05	3.49	4.23	0.23	0.07	0.04	<0.002	<20	3	0.9	99.72	854	<1	1.8	16.3
B00096923-A	Pulp	0.02	65.28	20.22	0.24	0.04	0.15	1.72	2.66	<0.01	0.25	0.03	0.016	<20	1	2.2	92.77	10	24	<0.2	52.1
B00096924	Rock	1.02	73.76	14.68	0.77	0.20	0.88	4.12	4.77	0.10	0.04	0.02	<0.002	<20	2	0.5	99.86	723	5	0.7	20.0
B00096925	Rock	1.66	75.45	13.23	1.23	0.04	0.64	3.43	4.80	0.02	0.03	0.03	<0.002	<20	3	0.9	99.81	448	6	0.3	13.2



# CERTIFICATE OF ANALYSIS

YVO14000020.1

Method	Analyte	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Hf	Nb	Sn	Sr	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	1	0.5	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02
B00096903	Rock	2.4	7.2	2	64.9	14.5	4.2	<8	3.9	59.9	18.9	15.9	29.6	3.34	12.4	2.79	0.28	2.69	0.46	2.91	0.64
B00096904	Rock	2.4	9.2	2	86.7	14.4	3.8	<8	1.3	68.1	14.1	21.8	40.8	4.50	15.5	2.85	0.35	2.50	0.40	2.19	0.45
B00096905	Drill Core	2.5	8.3	2	90.3	16.1	3.9	<8	0.9	65.9	19.2	21.1	38.8	4.37	15.2	3.03	0.38	2.91	0.50	3.06	0.68
B00096906	Drill Core	2.7	9.1	2	118.3	15.9	5.2	<8	1.0	85.4	16.3	25.8	47.0	5.10	17.2	2.99	0.43	2.83	0.45	2.64	0.48
B00096907	Drill Core	2.5	6.4	2	101.1	14.4	4.0	<8	<0.5	67.1	16.0	21.4	40.9	4.44	15.5	3.20	0.38	2.77	0.44	2.68	0.52
B00096908	Drill Core	3.9	10.9	2	214.7	20.2	2.3	8	<0.5	145.4	6.9	52.4	92.8	9.64	31.1	4.12	0.88	2.79	0.30	1.30	0.20
B00096909	Rock	4.1	7.3	1	276.6	22.7	2.3	11	<0.5	160.8	8.3	59.6	107.5	11.03	34.8	4.86	1.00	3.23	0.36	1.74	0.27
B00096909-A	Pulp	1.3	1.1	<1	4.1	2.0	0.3	<8	<0.5	55.4	4.2	13.0	23.1	3.01	11.0	1.85	0.30	1.28	0.15	0.72	0.13
B00096910	Rock	4.2	7.2	1	319.2	24.4	2.0	10	<0.5	158.2	11.8	73.3	130.6	13.27	41.9	5.21	1.23	3.39	0.38	2.05	0.41
B00096911	Rock	3.4	8.3	2	233.6	18.8	2.2	<8	<0.5	119.8	7.8	48.6	95.3	10.16	32.3	4.36	1.13	2.68	0.31	1.51	0.27
B00096912	Rock	2.6	8.0	1	146.8	16.6	3.9	<8	<0.5	72.2	8.4	32.4	64.2	7.16	23.5	3.70	0.78	2.50	0.34	1.66	0.30
B00096912-A	Pulp	2.4	81.7	99	12.7	7.8	4.1	<8	4.8	18.0	14.8	8.7	19.8	2.62	10.3	2.32	0.38	2.24	0.40	2.62	0.52
B00096913	Rock	2.5	8.1	1	105.1	15.5	3.1	<8	<0.5	62.9	10.3	25.2	49.7	5.61	19.2	3.33	0.58	2.58	0.37	1.96	0.37
B00096914	Rock	2.2	8.2	1	91.1	10.3	3.1	<8	<0.5	56.6	10.2	16.1	31.9	3.46	11.7	2.14	0.44	1.80	0.29	1.65	0.34
B00096915	Rock	2.2	8.5	2	25.1	14.2	5.4	<8	<0.5	41.9	18.2	11.3	23.9	2.82	10.6	2.50	0.16	2.35	0.42	2.74	0.64
B00096916	Rock	2.3	9.3	5	39.6	13.8	4.0	<8	1.4	47.4	10.6	12.5	25.3	3.05	11.1	2.83	0.21	2.51	0.41	1.88	0.35
B00096917	Rock	2.3	10.4	1	75.5	7.5	3.4	<8	0.7	61.1	6.3	8.2	15.7	1.86	6.6	1.44	0.36	1.44	0.25	1.20	0.18
B00096918	Rock	2.1	9.0	1	68.1	16.0	1.8	<8	0.7	52.5	6.9	20.3	40.1	4.73	16.3	3.22	0.37	2.38	0.31	1.36	0.22
B00096919	Rock	2.0	9.1	2	47.5	15.9	2.0	<8	0.7	42.5	11.9	17.8	35.1	4.31	15.4	3.45	0.31	2.93	0.44	2.27	0.37
B00096920	Rock	2.3	8.7	2	51.2	13.1	4.0	<8	<0.5	45.3	12.4	13.6	25.9	3.12	11.7	2.51	0.27	2.45	0.41	2.21	0.37
B00096920-A	Pulp	1.4	1.8	<1	4.0	2.2	0.4	<8	<0.5	58.6	3.4	12.4	21.7	2.96	10.5	1.84	0.30	1.20	0.14	0.69	0.12
B00096921	Rock	4.3	5.9	<1	329.9	21.5	3.6	14	<0.5	156.7	7.3	43.6	84.7	9.42	32.4	4.98	0.83	3.39	0.42	1.83	0.26
B00096922	Rock	6.2	15.7	<1	8.3	27.0	7.6	<8	<0.5	114.5	46.2	3.7	9.5	1.31	5.2	2.06	0.17	2.82	0.64	5.21	1.49
B00096923	Rock	4.7	10.5	2	215.8	9.7	2.0	13	0.6	174.8	9.9	47.8	95.6	10.37	35.0	4.63	0.75	2.82	0.33	1.68	0.33
B00096923-A	Pulp	0.7	19.3	68	21.3	1.8	2.3	<8	<0.5	4.4	<0.1	0.2	0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
B00096924	Rock	1.3	11.8	1	194.8	19.8	3.7	<8	0.5	33.3	9.6	26.6	52.1	5.83	19.0	3.39	0.56	2.45	0.32	1.47	0.25
B00096925	Rock	2.3	10.9	2	85.5	14.5	3.9	<8	1.4	61.9	6.9	18.1	35.7	4.02	13.0	2.76	0.45	2.16	0.31	1.43	0.20

# CERTIFICATE OF ANALYSIS

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Method	Analyte	LF200	LF200	LF200	LF200	TC000	TC000	LF700	LF700	LF700	PF370	PF370	GC840
		Er	Tm	Yb	Lu	TOT/C	TOT/S	Cs	Rb	Ta	B	Li	F
Unit	Unit	ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%	ppm
MDL	MDL	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01	10
B00096903	Rock	2.03	0.31	1.98	0.32	0.04	<0.02	<0.01	0.02	<10	<0.01	<0.01	266
B00096904	Rock	1.39	0.22	1.42	0.22	0.09	<0.02	<0.01	0.02	<10	<0.01	<0.01	354
B00096905	Drill Core	1.95	0.32	1.96	0.31	0.03	<0.02	<0.01	0.02	<10	<0.01	<0.01	322
B00096906	Drill Core	1.37	0.21	1.31	0.20	0.04	<0.02	<0.01	0.02	<10	<0.01	<0.01	383
B00096907	Drill Core	1.58	0.25	1.49	0.23	0.02	<0.02	<0.01	0.02	<10	<0.01	<0.01	245
B00096908	Drill Core	0.54	0.08	0.51	0.08	<0.02	<0.02	<0.01	0.02	<10	<0.01	<0.01	321
B00096909	Rock	0.79	0.11	0.71	0.11	0.04	<0.02	<0.01	0.02	<10	<0.01	<0.01	269
B00096909-A	Pulp	0.40	0.07	0.40	0.05	<0.02	<0.02	<0.01	<0.01	<10	<0.01	<0.01	76
B00096910	Rock	1.44	0.27	1.78	0.33	0.03	<0.02	<0.01	0.02	<10	<0.01	<0.01	543
B00096911	Rock	0.77	0.13	0.82	0.14	<0.02	<0.02	<0.01	0.02	<10	<0.01	0.01	286
B00096912	Rock	0.84	0.14	0.88	0.15	0.05	<0.02	<0.01	0.02	<10	<0.01	<0.01	266
B00096912-A	Pulp	1.57	0.25	1.57	0.26	<0.02	<0.02	0.07	0.40	164	0.06	0.48	>10000
B00096913	Rock	1.12	0.16	1.08	0.17	0.04	<0.02	0.01	0.02	<10	<0.01	<0.01	325
B00096914	Rock	1.04	0.17	1.15	0.20	0.04	<0.02	<0.01	0.02	<10	<0.01	0.01	285
B00096915	Rock	1.92	0.29	1.79	0.29	0.04	<0.02	<0.01	0.02	<10	<0.01	<0.01	330
B00096916	Rock	1.04	0.16	1.08	0.19	0.03	<0.02	0.01	0.06	<10	<0.01	0.01	684
B00096917	Rock	0.42	0.06	0.41	0.07	0.02	<0.02	<0.01	0.02	<10	<0.01	<0.01	340
B00096918	Rock	0.64	0.11	0.70	0.13	0.06	<0.02	<0.01	0.02	<10	<0.01	<0.01	320
B00096919	Rock	0.95	0.14	0.96	0.15	<0.02	<0.02	<0.01	0.02	<10	<0.01	<0.01	313
B00096920	Rock	1.05	0.16	1.02	0.17	<0.02	<0.02	<0.01	0.02	<10	<0.01	<0.01	420
B00096920-A	Pulp	0.33	0.06	0.37	0.05	<0.02	<0.02	<0.01	<0.01	<10	<0.01	<0.01	38
B00096921	Rock	0.54	0.07	0.39	0.06	0.04	<0.02	<0.01	0.02	<10	<0.01	<0.01	167
B00096922	Rock	5.79	1.18	9.15	1.72	0.03	<0.02	<0.01	0.03	<10	<0.01	<0.01	114
B00096923	Rock	0.99	0.16	1.05	0.17	0.03	<0.02	<0.01	0.02	<10	<0.01	<0.01	241
B00096923-A	Pulp	<0.03	<0.01	<0.05	<0.01	0.05	<0.02	3.98	0.45	68	<0.01	1.56	731
B00096924	Rock	0.72	0.11	0.81	0.16	0.02	<0.02	<0.01	0.02	<10	<0.01	<0.01	101
B00096925	Rock	0.57	0.09	0.67	0.12	0.05	<0.02	<0.01	0.02	<10	<0.01	<0.01	377

## QUALITY CONTROL REPORT

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Method	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Ga	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.5	
043907	Drill Core	4.12	73.82	16.82	0.19	0.04	0.09	2.78	1.20	<0.01	0.10	0.05	<0.002	<20	<1	2.1	97.19	7	335	<0.2	31.4
043937	Rock	1.98	65.78	18.11	2.81	0.06	0.61	1.92	2.33	0.03	0.50	0.26	<0.002	<20	3	2.2	94.59	8	122	0.5	66.7
B00096920	Rock	1.19	75.38	13.32	1.26	0.04	0.60	3.68	4.64	0.01	0.02	0.06	<0.002	<20	3	0.7	99.71	214	<1	0.3	14.1
Pulp Duplicates																					
REP G1	QC																				
043902	Drill Core	9.41	76.45	15.56	0.39	0.03	0.33	1.44	0.85	<0.01	0.31	0.11	<0.002	<20	<1	0.8	96.31	5	117	<0.2	26.1
REP 043902	QC																				
043909	Rock	3.38	74.03	16.35	0.23	0.03	0.14	0.61	3.03	<0.01	0.19	0.09	<0.002	<20	<1	2.1	96.82	12	357	<0.2	25.2
REP 043909	QC																				
043910	Rock	3.28	73.42	16.66	0.28	0.02	0.18	3.53	2.53	<0.01	0.21	0.06	<0.002	<20	<1	0.9	97.82	8	146	<0.2	32.8
REP 043910	QC																				
043911	Rock	2.81	75.20	16.03	0.25	0.03	0.17	3.57	1.37	<0.01	0.19	0.09	<0.002	<20	<1	0.8	97.66	9	89	<0.2	28.9
REP 043911	QC																				
043923	Rock	3.43	75.80	15.22	0.24	0.03	0.15	0.30	1.13	<0.01	0.12	0.06	<0.002	<20	<1	3.5	96.57	9	107	<0.2	22.0
REP 043923	QC		76.00	15.05	0.26	0.03	0.15	0.30	1.15	<0.01	0.13	0.06	<0.002	<20	<1	3.5	96.65	7	101	<0.2	22.1
043929	Rock	6.99	76.86	15.92	0.14	0.02	0.03	0.74	0.34	<0.01	0.10	0.03	<0.002	<20	<1	1.7	95.90	2	28	1.0	20.6
REP 043929	QC																				
REP 043931	QC		76.22	16.37	0.07	0.01	0.03	0.31	0.21	<0.01	0.04	0.02	<0.002	<20	<1	2.2	95.48	2	18	0.8	17.2
043938-A	Pulp	0.02	75.86	10.96	0.76	0.02	1.32	2.21	2.23	0.01	1.13	0.29	0.003	<20	<1	1.6	96.40	13	504	0.8	36.7
REP 043938-A	QC																				
043939	Rock	1.09	75.52	16.14	0.20	0.04	0.08	0.18	0.61	<0.01	0.13	0.05	<0.002	<20	<1	2.6	95.52	3	14	<0.2	24.3
REP 043939	QC		75.52	16.15	0.19	0.03	0.08	0.18	0.61	<0.01	0.10	0.05	<0.002	<20	<1	2.6	95.50	4	19	0.4	26.4
043942	Rock	3.13	77.11	15.96	0.07	0.02	0.03	0.26	0.18	<0.01	0.07	0.02	<0.002	<20	<1	1.9	95.62	2	3	3.2	16.0
REP 043942	QC																				
B00096904	Rock	2.80	74.94	13.51	1.32	0.10	0.67	3.64	4.62	0.04	0.03	0.05	<0.002	<20	3	0.9	99.83	406	3	1.7	13.8
REP B00096904	QC		75.03	13.43	1.32	0.09	0.67	3.60	4.64	0.04	0.03	0.06	<0.002	<20	3	0.9	99.83	389	2	2.0	14.2
B00096911	Rock	0.73	74.50	13.49	1.80	0.12	0.86	3.07	5.12	0.07	0.04	0.03	<0.002	<20	3	0.5	99.62	2084	1	1.5	13.0
REP B00096911	QC																				
B00096913	Rock	0.25	74.88	13.05	1.35	0.05	0.75	3.24	4.95	0.02	0.03	0.05	<0.002	<20	3	1.4	99.76	549	1	<0.2	12.2

## QUALITY CONTROL REPORT

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Method Analyte Unit MDL	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
	Hf	Nb	Sn	Sr	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	0.1	0.1	1	0.5	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	
043907	Drill Core	2.5	37.4	133	5.6	1.2	1.6	<8	0.9	14.7	0.2	0.3	0.3	<0.02	<0.3	<0.05	<0.02	0.07	<0.01	<0.05	<0.02
043937	Rock	1.0	45.1	199	13.1	2.5	2.9	<8	3.7	5.0	11.9	4.0	9.2	1.24	5.2	1.90	0.09	2.05	0.36	1.93	0.32
B00096920	Rock	2.3	8.7	2	51.2	13.1	4.0	<8	<0.5	45.3	12.4	13.6	25.9	3.12	11.7	2.51	0.27	2.45	0.41	2.21	0.37
Pulp Duplicates																					
REP G1	QC																				
043902	Drill Core	1.7	104.6	1281	5.3	2.0	6.0	<8	1.8	9.0	1.0	0.8	1.0	0.09	<0.3	0.09	<0.02	0.12	0.02	0.12	0.03
REP 043902	QC																				
043909	Rock	0.4	25.8	83	6.8	3.4	3.1	<8	1.1	3.1	0.1	0.1	0.2	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
REP 043909	QC																				
043910	Rock	1.9	57.0	93	10.9	2.2	3.4	<8	1.7	11.5	0.2	0.3	0.4	0.03	<0.3	<0.05	<0.02	0.05	0.01	<0.05	<0.02
REP 043910	QC																				
043911	Rock	1.4	56.4	81	8.5	2.0	3.5	<8	2.0	9.4	0.5	0.4	0.5	0.02	<0.3	<0.05	<0.02	0.09	0.01	0.09	<0.02
REP 043911	QC																				
043923	Rock	0.4	27.6	49	6.5	0.5	0.6	<8	1.1	3.0	0.3	0.3	0.4	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
REP 043923	QC	0.3	22.2	47	6.4	0.4	0.6	<8	1.0	2.5	0.3	0.2	0.3	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
043929	Rock	0.2	9.2	33	2.3	0.3	1.1	<8	1.1	2.0	<0.1	0.3	0.2	0.03	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
REP 043929	QC																				
REP 043931	QC	0.2	11.9	21	1.2	0.7	0.3	<8	0.8	1.5	0.4	0.8	0.7	0.02	<0.3	<0.05	<0.02	0.09	<0.01	<0.05	<0.02
043938-A	Pulp	2.2	83.2	109	13.2	8.9	4.5	<8	5.0	17.6	15.0	9.4	20.7	2.54	9.4	2.15	0.36	2.11	0.39	2.51	0.52
REP 043938-A	QC																				
043939	Rock	0.1	22.7	31	3.0	0.6	0.8	14	1.7	0.5	0.2	0.5	0.6	0.09	<0.3	<0.05	<0.02	<0.05	<0.01	0.05	<0.02
REP 043939	QC	0.2	23.5	33	3.4	0.6	0.9	<8	3.2	0.9	0.5	0.7	0.4	0.05	<0.3	<0.05	0.03	0.09	0.02	0.08	<0.02
043942	Rock	0.1	3.1	11	2.4	<0.2	0.2	<8	0.6	0.4	<0.1	0.2	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
REP 043942	QC																				
B00096904	Rock	2.4	9.2	2	86.7	14.4	3.8	<8	1.3	68.1	14.1	21.8	40.8	4.50	15.5	2.85	0.35	2.50	0.40	2.19	0.45
REP B00096904	QC	2.3	9.2	2	85.2	15.4	3.9	<8	1.5	61.2	14.6	22.0	41.7	4.44	15.3	2.97	0.32	2.58	0.39	2.30	0.45
B00096911	Rock	3.4	8.3	2	233.6	18.8	2.2	<8	<0.5	119.8	7.8	48.6	95.3	10.16	32.3	4.36	1.13	2.68	0.31	1.51	0.27
REP B00096911	QC																				
B00096913	Rock	2.5	8.1	1	105.1	15.5	3.1	<8	<0.5	62.9	10.3	25.2	49.7	5.61	19.2	3.33	0.58	2.58	0.37	1.96	0.37

## QUALITY CONTROL REPORT

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Method Analyte Unit MDL		LF200	LF200	LF200	LF200	TC000	TC000	LF700	LF700	LF700	PF370	PF370	GC840
		Er	Tm	Yb	Lu	TOT/C	TOT/S	Cs	Rb	Ta	B	Li	F
		ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%	ppm
		0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01	10
043907	Drill Core	0.03	<0.01	<0.05	<0.01	0.02	<0.02	0.02	0.12	98	<0.01	1.22	340
043937	Rock	0.80	0.10	0.56	0.07	<0.02	<0.02	0.08	0.34	105	0.87	0.43	8370
B00096920	Rock	1.05	0.16	1.02	0.17	<0.02	<0.02	<0.01	0.02	<10	<0.01	<0.01	420
Pulp Duplicates													
REP G1	QC											<0.01	
043902	Drill Core	0.07	0.01	0.09	<0.01	<0.02	<0.02	0.02	0.12	181	0.02	1.41	1756
REP 043902	QC							0.02	0.12	177			1792
043909	Rock	<0.03	<0.01	<0.05	<0.01	0.03	<0.02	0.03	0.32	45	<0.01	1.37	611
REP 043909	QC										<0.01		
043910	Rock	<0.03	<0.01	<0.05	<0.01	0.03	<0.02	0.03	0.29	76	<0.01	0.83	1306
REP 043910	QC					0.03	<0.02						
043911	Rock	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	0.03	0.16	83	0.02	0.91	1338
REP 043911	QC										0.02		
043923	Rock	<0.03	<0.01	<0.05	<0.01	0.04	<0.02	0.01	0.14	30	<0.01	1.57	474
REP 043923	QC	<0.03	<0.01	<0.05	<0.01								
043929	Rock	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.06	24	0.01	1.84	1301
REP 043929	QC											1.91	
REP 043931	QC	<0.03	<0.01	<0.05	<0.01			0.02	0.04	24			
043938-A	Pulp	1.60	0.24	1.53	0.25	<0.02	<0.02	0.09	0.39	171	0.06	0.50	>10000
REP 043938-A	QC										0.06		
043939	Rock	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.10	35	<0.01	1.99	1480
REP 043939	QC	0.03	0.02	<0.05	0.01	<0.02	<0.02						
043942	Rock	<0.03	<0.01	<0.05	<0.01	<0.02	<0.02	0.02	0.03	17	<0.01	2.05	483
REP 043942	QC												487
B00096904	Rock	1.39	0.22	1.42	0.22	0.09	<0.02	<0.01	0.02	<10	<0.01	<0.01	354
REP B00096904	QC	1.42	0.21	1.42	0.22								
B00096911	Rock	0.77	0.13	0.82	0.14	<0.02	<0.02	<0.01	0.02	<10	<0.01	0.01	286
REP B00096911	QC											0.01	
B00096913	Rock	1.12	0.16	1.08	0.17	0.04	<0.02	0.01	0.02	<10	<0.01	<0.01	325

# QUALITY CONTROL REPORT

YVO14000020.1

		WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Ga
		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm
		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.5
REP B00096913	QC																				
B00096921	Rock	0.93	72.88	14.51	1.20	0.39	0.78	3.10	6.08	0.16	0.06	0.01	<0.002	<20	3	0.5	99.70	1141	1	1.6	13.0
REP B00096921	QC																				
B00096922	Rock	0.59	75.56	13.54	0.50	0.05	0.57	3.86	4.75	0.04	0.01	0.11	<0.002	<20	2	0.9	99.89	7	3	<0.2	18.4
REP B00096922	QC																				
B00096924	Rock	1.02	73.76	14.68	0.77	0.20	0.88	4.12	4.77	0.10	0.04	0.02	<0.002	<20	2	0.5	99.86	723	5	0.7	20.0
REP B00096924	QC																				
B00096925	Rock	1.66	75.45	13.23	1.23	0.04	0.64	3.43	4.80	0.02	0.03	0.03	<0.002	<20	3	0.9	99.81	448	6	0.3	13.2
REP B00096925	QC		75.61	13.09	1.24	0.04	0.63	3.42	4.80	0.02	0.02	0.03	<0.002	<20	3	0.9	99.81	470	2	<0.2	13.1
Core Reject Duplicates																					
043931	Rock	6.69	76.06	16.57	0.06	0.01	0.03	0.29	0.21	<0.01	0.03	0.02	<0.002	<20	<1	2.2	95.48	2	16	1.1	18.1
DUP 043931	QC		76.22	16.41	0.10	0.02	0.03	0.32	0.21	<0.01	0.03	0.02	<0.002	<20	<1	2.2	95.55	3	12	1.9	18.0
Reference Materials																					
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD LI-1	Standard																				
STD LI-1	Standard																				
STD LI-1	Standard																				
STD LIBF	Standard																				
STD LIBF	Standard																				
STD LIBF	Standard																				
STD LIBF	Standard																				

**QUALITY CONTROL REPORT**

**YVO14000020.1**

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
		Hf	Nb	Sn	Sr	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
REP B00096913	QC	0.1	0.1	1	0.5	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02
B00096921	Rock	4.3	5.9	<1	329.9	21.5	3.6	14	<0.5	156.7	7.3	43.6	84.7	9.42	32.4	4.98	0.83	3.39	0.42	1.83	0.26
REP B00096921	QC																				
B00096922	Rock	6.2	15.7	<1	8.3	27.0	7.6	<8	<0.5	114.5	46.2	3.7	9.5	1.31	5.2	2.06	0.17	2.82	0.64	5.21	1.49
REP B00096922	QC																				
B00096924	Rock	1.3	11.8	1	194.8	19.8	3.7	<8	0.5	33.3	9.6	26.6	52.1	5.83	19.0	3.39	0.56	2.45	0.32	1.47	0.25
REP B00096924	QC																				
B00096925	Rock	2.3	10.9	2	85.5	14.5	3.9	<8	1.4	61.9	6.9	18.1	35.7	4.02	13.0	2.76	0.45	2.16	0.31	1.43	0.20
REP B00096925	QC	2.6	11.1	2	85.1	13.3	3.9	<8	1.1	66.2	7.2	18.4	33.6	3.83	13.2	2.41	0.44	2.09	0.29	1.35	0.22
Core Reject Duplicates																					
043931	Rock	0.2	4.3	20	1.5	0.7	0.2	<8	1.1	4.7	0.4	0.5	0.7	0.05	<0.3	0.14	<0.02	0.07	0.01	<0.05	<0.02
DUP 043931	QC	0.1	8.5	20	1.3	0.5	0.3	<8	1.2	2.0	<0.1	0.3	0.3	0.03	<0.3	<0.05	<0.02	0.06	<0.01	<0.05	<0.02
Reference Materials																					
STD 183	Standard																				
STD 183	Standard																				
STD 183	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD LI-1	Standard																				
STD LI-1	Standard																				
STD LI-1	Standard																				
STD LIBF	Standard																				
STD LIBF	Standard																				
STD LIBF	Standard																				
STD LIBF	Standard																				

## QUALITY CONTROL REPORT

YVO14000020.1

		LF200 Er ppm 0.03	LF200 Tm ppm 0.01	LF200 Yb ppm 0.05	LF200 Lu ppm 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02	LF700 Cs % 0.01	LF700 Rb % 0.01	LF700 Ta ppm 10	PF370 B % 0.01	PF370 Li % 0.01	GC840 F ppm 10
REP B00096913	QC							<0.01	0.02	12			
B00096921	Rock	0.54	0.07	0.39	0.06	0.04	<0.02	<0.01	0.02	<10	<0.01	<0.01	167
REP B00096921	QC										<0.01		
B00096922	Rock	5.79	1.18	9.15	1.72	0.03	<0.02	<0.01	0.03	<10	<0.01	<0.01	114
REP B00096922	QC					0.03	<0.02						
B00096924	Rock	0.72	0.11	0.81	0.16	0.02	<0.02	<0.01	0.02	<10	<0.01	<0.01	101
REP B00096924	QC												94
B00096925	Rock	0.57	0.09	0.67	0.12	0.05	<0.02	<0.01	0.02	<10	<0.01	<0.01	377
REP B00096925	QC	0.60	0.09	0.73	0.11								
Core Reject Duplicates													
043931	Rock	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.04	17	<0.01	2.10	826
DUP 043931	QC	0.04	<0.01	<0.05	<0.01	<0.02	<0.02	0.03	0.04	12	<0.01	2.08	750
Reference Materials													
STD 183	Standard											1.80	
STD 183	Standard											1.83	
STD 183	Standard											1.86	
STD GS311-1	Standard					1.02	2.24						
STD GS311-1	Standard					0.95	2.21						
STD GS311-1	Standard					1.04	2.30						
STD GS910-4	Standard					2.60	7.85						
STD GS910-4	Standard					2.49	7.90						
STD GS910-4	Standard					2.73	7.85						
STD LI-1	Standard											1.51	
STD LI-1	Standard											1.57	
STD LI-1	Standard											1.60	
STD LIBF	Standard										4.57		
STD LIBF	Standard										4.59		
STD LIBF	Standard										4.74		
STD LIBF	Standard										4.77		





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Bureau Veritas Commodities Canada Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: September 18, 2014

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Part: 1 of 3

# QUALITY CONTROL REPORT

YVO14000020.1

		WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Ga	
		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.5	
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD MICA-FE(D)	Standard																					
STD MICA-FE(D)	Standard																					
STD MICA-FE(D)	Standard																					
STD SO-18	Standard		58.36	13.98	7.63	3.38	6.34	3.60	2.11	0.69	0.79	0.40	0.551	34	26	1.9	99.75	478	<1	24.6	16.4	
STD SO-18	Standard		57.69	14.28	7.75	3.39	6.39	3.72	2.16	0.70	0.80	0.40	0.560	39	26	1.9	99.74	501	2	25.9	16.3	
STD SO-18	Standard		58.20	14.06	7.60	3.39	6.33	3.66	2.15	0.69	0.79	0.40	0.550	40	24	1.9	99.73	495	<1	26.4	17.0	
STD SO-18	Standard		58.12	14.08	7.59	3.43	6.33	3.65	2.17	0.69	0.79	0.40	0.554	41	24	1.9	99.73	506	<1	25.5	18.4	
STD SO-18	Standard		57.94	14.13	7.69	3.43	6.37	3.64	2.16	0.69	0.80	0.40	0.559	42	25	1.9	99.71	536	<1	29.2	18.0	
STD SO-18	Standard		58.10	14.15	7.59	3.42	6.30	3.65	2.16	0.70	0.79	0.40	0.558	41	25	1.9	99.72	527	<1	28.3	18.0	
STD SO-18	Standard		58.10	14.13	7.62	3.41	6.40	3.62	2.11	0.69	0.78	0.40	0.550	38	24	1.9	99.73	517	2	27.0	16.9	
STD SO-18	Standard		57.96	14.22	7.66	3.41	6.41	3.63	2.10	0.69	0.77	0.40	0.551	37	24	1.9	99.71	523	2	27.5	16.8	
STD SO-18	Standard		58.29	14.05	7.61	3.38	6.35	3.60	2.09	0.69	0.79	0.40	0.543	47	24	1.9	99.71	533	2	26.8	16.3	
STD SO-18	Standard		58.58	13.97	7.53	3.36	6.31	3.58	2.09	0.69	0.77	0.39	0.539	44	24	1.9	99.72	488	<1	26.3	16.2	
STD SO-18	Standard		58.26	14.05	7.52	3.35	6.40	3.70	2.13	0.69	0.79	0.39	0.544	40	25	1.9	99.73	509	1	25.3	19.0	
STD SO-18	Standard		57.76	14.18	7.67	3.41	6.47	3.70	2.15	0.70	0.81	0.40	0.558	45	25	1.9	99.72	500	3	26.8	19.0	
STD STSD-1	Standard																					
STD STSD-1	Standard																					
STD STSD-1	Standard																					
STD STSD-1	Standard																					
STD STSD-1	Standard																					
STD VS-N(D)	Standard																					
STD VS-N(D)	Standard																					
STD VS-N(D)	Standard																					
STD GS311-1 Expected																						

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

**QUALITY CONTROL REPORT**

**YVO14000020.1**

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200		
		Hf	Nb	Sn	Sr	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.1	0.1	1	0.5	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD LIBF	Standard																					
STD MICA-FE(D)	Standard																					
STD MICA-FE(D)	Standard																					
STD MICA-FE(D)	Standard																					
STD SO-18	Standard	9.0	18.6	14	377.3	8.8	14.5	191	13.0	281.1	29.0	11.8	25.1	3.18	12.8	2.61	0.80	2.71	0.46	2.89	0.59	
STD SO-18	Standard	9.3	19.2	15	392.6	9.2	15.5	195	14.4	289.1	29.4	12.5	26.2	3.31	13.1	2.77	0.85	2.82	0.48	2.96	0.60	
STD SO-18	Standard	9.0	19.4	15	399.7	9.2	14.7	195	13.6	286.1	27.8	12.3	26.2	3.15	12.3	2.66	0.78	2.77	0.46	2.71	0.58	
STD SO-18	Standard	9.0	19.4	14	404.8	9.2	15.5	194	13.6	289.9	29.0	12.1	25.0	3.12	12.1	2.75	0.81	2.80	0.47	2.71	0.57	
STD SO-18	Standard	10.0	21.0	16	431.6	10.1	16.0	193	16.4	318.7	30.4	12.9	27.1	3.40	13.6	3.01	0.85	3.01	0.52	3.10	0.64	
STD SO-18	Standard	10.1	20.9	16	435.0	10.0	15.9	195	15.0	311.7	30.6	12.7	27.7	3.44	13.6	3.07	0.87	3.12	0.52	3.04	0.61	
STD SO-18	Standard	9.8	19.1	15	412.9	9.6	15.7	198	13.1	296.4	31.9	14.0	26.0	3.37	13.2	2.97	0.82	3.07	0.47	2.84	0.62	
STD SO-18	Standard	9.6	19.2	16	410.0	9.7	16.1	199	14.5	304.1	31.0	13.2	27.7	3.43	13.5	2.86	0.82	2.98	0.49	3.13	0.66	
STD SO-18	Standard	9.4	19.8	15	416.4	9.9	15.5	203	15.4	305.0	30.6	13.8	28.4	3.27	12.7	2.93	0.83	2.95	0.48	3.05	0.59	
STD SO-18	Standard	9.5	19.7	15	394.9	9.1	15.5	201	14.0	301.4	29.3	12.4	25.4	3.13	12.4	2.65	0.80	2.88	0.47	2.92	0.57	
STD SO-18	Standard	9.1	18.2	14	408.7	10.3	15.2	203	13.0	292.2	27.4	13.1	25.8	3.33	12.3	2.88	0.85	2.90	0.49	2.82	0.60	
STD SO-18	Standard	9.4	19.7	16	415.6	9.2	14.8	221	15.4	293.7	28.4	13.8	27.3	3.33	12.0	2.80	0.79	2.93	0.46	2.68	0.58	
STD STSD-1	Standard																					
STD STSD-1	Standard																					
STD STSD-1	Standard																					
STD STSD-1	Standard																					
STD STSD-1	Standard																					
STD VS-N(D)	Standard																					
STD VS-N(D)	Standard																					
STD VS-N(D)	Standard																					
STD GS311-1 Expected																						



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Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: September 18, 2014

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Part: 3 of 3

# QUALITY CONTROL REPORT

YVO14000020.1

		LF200	LF200	LF200	LF200	TC000	TC000	LF700	LF700	LF700	PF370	PF370	GC840
		Er	Tm	Yb	Lu	TOT/C	TOT/S	Cs	Rb	Ta	B	Li	F
		ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%	ppm
		0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01	10
STD LIBF	Standard										4.42		
STD LIBF	Standard										4.78		
STD LIBF	Standard										4.53		
STD LIBF	Standard										4.64		
STD MICA-FE(D)	Standard							0.02	0.21	20			
STD MICA-FE(D)	Standard							0.02	0.21	31			
STD MICA-FE(D)	Standard							0.02	0.21	21			
STD SO-18	Standard	1.65	0.26	1.61	0.26								
STD SO-18	Standard	1.81	0.26	1.65	0.28								
STD SO-18	Standard	1.67	0.27	1.68	0.26								
STD SO-18	Standard	1.69	0.25	1.64	0.25								
STD SO-18	Standard	1.84	0.29	1.71	0.28								
STD SO-18	Standard	1.84	0.27	1.80	0.29								
STD SO-18	Standard	1.78	0.29	1.72	0.28								
STD SO-18	Standard	1.87	0.27	1.72	0.27								
STD SO-18	Standard	1.74	0.27	1.72	0.25								
STD SO-18	Standard	1.58	0.27	1.58	0.26								
STD SO-18	Standard	1.65	0.27	1.63	0.28								
STD SO-18	Standard	1.93	0.27	1.64	0.31								
STD STSD-1	Standard												990
STD STSD-1	Standard												969
STD STSD-1	Standard												938
STD STSD-1	Standard												995
STD STSD-1	Standard												938
STD STSD-1	Standard												985
STD VS-N(D)	Standard							0.10	0.08	632			
STD VS-N(D)	Standard							0.10	0.08	630			
STD VS-N(D)	Standard							0.10	0.08	637			
STD GS311-1 Expected						1.02	2.35						



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Bureau Veritas Commodities Canada Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

**Client:** **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

**Project:** None Given  
**Report Date:** September 18, 2014

**Page:** 4 of 5 **Part:** 1 of 3

# QUALITY CONTROL REPORT

YVO14000020.1

	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Ga	
	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	
	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.5	
STD GS910-4 Expected																					
STD VS-N(D) Expected																					
STD STSD-1 Expected																					
STD LI-1 Expected																					
STD 183 Expected																					
STD SO-18 Expected		58.47	14.23	7.67	3.35	6.42	3.71	2.17	0.69	0.83	0.39	0.55	44	25			514		26.2	17.6	
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	0.02	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	0.03	<1	<1	<0.2	<0.5	
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	<0.5	
BLK	Blank																				
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	<0.5	
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	1	<0.2	<0.5	
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	0.8	
Prep Wash																					
G1	Prep Blank	67.03	16.04	3.19	1.03	3.47	3.62	3.61	0.37	0.17	0.09	<0.002	<20	5	1.0	99.62	1014	2	4.3	20.8	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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 PHONE (604) 253-3158

Client: **Houston Lake Mining**  
 2736 Belisle Dr.  
 Val Caron ON P3N 1B3 CANADA

Project: None Given  
 Report Date: September 18, 2014

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# QUALITY CONTROL REPORT

YVO14000020.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
		Hf	Nb	Sn	Sr	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
STD GS910-4 Expected		0.1	0.1	1	0.5	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02
STD VS-N(D) Expected																					
STD STSD-1 Expected																					
STD LI-1 Expected																					
STD 183 Expected																					
STD SO-18 Expected		9.8	19.3	15	407.4	9.9	16.4	200	14.8	290	29	12.3	27.1	3.45	14	3	0.89	2.93	0.53	3	0.62
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.1	<0.1	<1	<0.5	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
BLK	Blank	<0.1	<0.1	<1	<0.5	<0.2	<0.1	<8	<0.5	0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
BLK	Blank																				
BLK	Blank	<0.1	<0.1	<1	<0.5	<0.2	<0.1	<8	<0.5	0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
BLK	Blank	<0.1	<0.1	<1	<0.5	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.1	<0.1	<1	<0.5	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
Prep Wash																					
G1	Prep Blank	4.3	25.0	2	821.4	10.6	3.3	59	<0.5	149.5	15.3	34.4	64.2	7.08	25.4	4.46	1.10	3.56	0.50	2.86	0.52

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# QUALITY CONTROL REPORT

YVO14000020.1

		LF200 Er ppm 0.03	LF200 Tm ppm 0.01	LF200 Yb ppm 0.05	LF200 Lu ppm 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02	LF700 Cs % 0.01	LF700 Rb % 0.01	LF700 Ta ppm 10	PF370 B % 0.01	PF370 Li % 0.01	GC840 F ppm 10
STD GS910-4 Expected						2.65	8.27						
STD VS-N(D) Expected								0.0942					
STD STSD-1 Expected													950
STD LI-1 Expected												1.53	
STD 183 Expected												1.91402	
STD SO-18 Expected		1.84	0.27	1.79	0.27								
BLK	Blank					<0.02	<0.02						
BLK	Blank					<0.02	<0.02						
BLK	Blank					<0.02	<0.02						
BLK	Blank							<0.01	<0.01	<10			
BLK	Blank							<0.01	<0.01	<10			
BLK	Blank							<0.01	<0.01	<10			
BLK	Blank											<0.01	
BLK	Blank											<0.01	
BLK	Blank	<0.03	<0.01	<0.05	<0.01								
BLK	Blank	<0.03	<0.01	<0.05	<0.01								
BLK	Blank												45
BLK	Blank	<0.03	<0.01	<0.05	<0.01								
BLK	Blank	<0.03	<0.01	<0.05	<0.01								
BLK	Blank												80
BLK	Blank												12
BLK	Blank										<0.01		
BLK	Blank											<0.01	
BLK	Blank										<0.01		
BLK	Blank										<0.01		
BLK	Blank	<0.03	<0.01	<0.05	<0.01								
Prep Wash													
G1	Prep Blank	1.73	0.27	1.76	0.28	0.03	0.03	<0.01	0.02	<10	<0.01		490



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## QUALITY CONTROL REPORT

YVO14000020.1

	WGHT	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Ga
	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm
	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.5
G1	Prep Blank	67.25	15.97	3.11	1.01	3.48	3.54	3.64	0.37	0.16	0.09	<0.002	<20	5	1.0	99.63	976	3	4.3	18.8
G1	Prep Blank																			



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## QUALITY CONTROL REPORT

YVO14000020.1

		LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
		Hf	Nb	Sn	Sr	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	1	0.5	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02
G1	Prep Blank	4.0	22.2	1	751.8	9.9	3.2	50	<0.5	142.5	15.3	32.2	58.9	6.82	24.8	4.09	1.04	3.25	0.50	2.65	0.56
G1	Prep Blank																				





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## QUALITY CONTROL REPORT

YVO1400020.1

		LF200	LF200	LF200	LF200	TC000	TC000	LF700	LF700	LF700	PF370	PF370	GC840
		Er	Tm	Yb	Lu	TOT/C	TOT/S	Cs	Rb	Ta	B	Li	F
		ppm	ppm	ppm	ppm	%	%	%	%	ppm	%	%	ppm
		0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	10	0.01	0.01	10
G1	Prep Blank	1.65	0.26	1.76	0.29	<0.02	<0.02	<0.01	0.02	<10	<0.01	<0.01	503
G1	Prep Blank											<0.01	