ALS Canada Ltd.

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

To: **OSISKO MINING LTD.**
P.O. BOX 996
KIRKLAND LAKE ON P2N 3L1

Finalized Date: 31-MAR-2014
Account: OSIKLI

CERTIFICATE VO14042653

Project: MU

P.O. No.: KL 000347

This report is for 119 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 12-MAR-2014.

The following have access to data associated with this certificate:

MIKE FELL	ANDREW STOKES	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES

To: **OSISKO MINING LTD.**
ATTN: ANDREW STOKES
P.O. BOX 996
KIRKLAND LAKE ON P2N 3L1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VO14042653

Sample Description	Method / Analyte / Units / LOR	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10	ME-ICP61 K % 0.01	ME-ICP61 La ppm 10
H410269		<0.5	8.27	21	2660	4.0	<2	4.84	<0.5	22	55	105	5.66	30	4.39	60
H410270		<0.5	7.66	28	2660	3.5	<2	4.45	<0.5	29	45	115	5.94	30	3.91	50
H410271		<0.5	8.17	17	2960	3.8	<2	5.10	<0.5	26	46	119	5.70	30	4.55	70
H410272		<0.5	9.06	13	3620	4.3	<2	2.32	<0.5	18	29	104	4.88	20	5.07	60
H410273		<0.5	8.18	5	3800	4.1	<2	4.04	<0.5	17	21	84	4.51	20	5.15	100
H410274		<0.5	8.55	15	5070	3.5	<2	4.14	<0.5	13	22	89	4.26	20	5.32	50
H410275		<0.5	0.38	<5	40	<0.5	<2	36.8	<0.5	2	4	5	0.41	<10	0.21	<10
H410276		<0.5	7.89	<5	150	4.0	<2	2.61	<0.5	25	81	43	3.63	30	4.22	10
H410277		<0.5	7.89	13	2920	3.5	<2	3.46	<0.5	15	21	82	4.02	20	4.71	50
H410278		<0.5	7.59	17	2590	3.4	<2	3.87	<0.5	16	19	78	4.08	20	4.47	50
H410279		<0.5	7.93	18	2300	3.8	<2	2.84	<0.5	19	32	107	4.80	20	4.47	50
H410280		<0.5	7.40	27	2250	3.4	<2	3.68	<0.5	26	47	119	5.66	20	3.62	50
H410281		<0.5	7.14	26	2290	3.2	<2	5.25	<0.5	23	42	120	5.54	20	3.68	50
H410282		<0.5	7.26	19	2290	3.0	<2	6.33	<0.5	21	35	101	5.41	20	3.74	70
H410283		<0.5	7.08	27	2380	3.7	<2	4.97	<0.5	24	42	120	5.49	20	4.08	50
H410284		<0.5	7.50	22	2240	4.0	<2	5.13	<0.5	21	34	97	5.79	20	4.16	60
H410285		<0.5	6.61	24	2360	3.4	<2	5.02	<0.5	23	40	114	5.37	20	4.26	50
H410286		<0.5	6.76	23	2270	3.3	<2	4.85	<0.5	22	41	111	5.52	20	4.33	50
H410287		<0.5	7.30	18	2200	3.4	<2	3.97	<0.5	18	32	89	4.80	20	4.48	50
H410288		<0.5	8.73	14	2540	3.7	<2	2.88	<0.5	15	21	81	4.35	20	5.00	60
H410289		<0.5	8.55	13	2470	3.6	<2	2.45	<0.5	16	20	85	4.31	20	4.77	50
H410290		<0.5	8.98	16	2440	3.6	<2	2.54	<0.5	16	21	84	4.18	20	4.87	60
H410291		<0.5	7.00	14	2170	3.2	<2	4.23	<0.5	18	30	82	4.31	20	4.41	40
H410292		<0.5	7.71	14	2410	4.0	<2	3.34	<0.5	23	38	89	4.85	20	5.16	50
H410293		<0.5	7.84	16	2490	4.1	<2	3.37	<0.5	15	21	87	4.18	20	4.48	40
H410294		<0.5	8.47	15	2410	4.2	<2	2.54	<0.5	18	22	87	4.13	20	5.11	50
H410295		<0.5	8.12	21	2400	3.8	<2	3.17	<0.5	14	21	79	4.09	20	4.82	50
H410296		<0.5	7.46	21	3190	3.4	<2	4.10	<0.5	17	20	81	4.58	20	5.06	40
H410297		<0.5	8.69	20	2560	4.2	<2	2.79	<0.5	16	22	82	4.60	20	5.08	50
H410298		<0.5	9.62	22	2250	4.3	<2	2.25	<0.5	16	23	89	4.70	20	4.41	70
H410299		<0.5	7.90	18	2540	3.8	<2	3.17	<0.5	16	22	85	4.40	20	4.25	40
H410300		<0.5	0.41	<5	20	<0.5	<2	36.4	<0.5	1	6	6	0.45	<10	0.23	<10
H410301		1.2	8.14	98	150	4.6	<2	2.43	0.5	22	72	90	5.87	30	3.72	10
H410302		<0.5	9.46	16	2460	4.1	<2	2.37	<0.5	16	22	92	4.59	20	4.34	70
H410303		<0.5	9.14	18	2190	4.2	<2	2.15	<0.5	18	22	95	4.28	30	3.89	60
H410304		<0.5	8.34	17	2210	3.1	<2	2.71	<0.5	16	21	84	4.11	20	3.48	50
H410305		<0.5	9.85	15	2700	4.3	<2	2.30	<0.5	15	23	96	4.69	30	4.47	70
H410306		<0.5	8.99	14	2460	4.0	<2	2.55	<0.5	15	22	90	4.59	30	4.25	60
H410307		<0.5	8.27	16	2880	4.5	<2	2.88	<0.5	16	22	88	4.46	20	5.31	50
H410308		<0.5	7.02	5	4140	3.8	<2	3.58	<0.5	16	22	91	4.12	20	4.55	40

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KIRKLAND LAKE ON P2N 3L1

Finalized Date: 31-MAR-2014
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Project: MU

CERTIFICATE OF ANALYSIS VO14042653

Sample Description	Method / Analyte / Units / LOR	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sc ppm 1	ME-ICP61 Sr ppm 1	ME-ICP61 Th ppm 20	ME-ICP61 Ti % 0.01	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10
H410269		1.59	1310	<1	1.44	22	2740	46	0.05	<5	14	5300	30	0.42	<10	<10
H410270		1.64	1450	<1	2.13	19	2760	20	0.04	<5	12	3530	30	0.40	<10	<10
H410271		1.62	1600	<1	0.85	19	2910	56	0.13	<5	14	5120	30	0.41	<10	<10
H410272		1.40	824	<1	0.64	14	2320	31	0.05	<5	8	1750	20	0.33	<10	<10
H410273		1.12	1320	1	0.90	9	2310	55	0.28	<5	6	6980	40	0.30	<10	<10
H410274		0.86	1180	<1	1.54	8	2020	63	0.05	<5	6	>10000	50	0.29	<10	<10
H410275		0.49	335	<1	0.03	1	190	<2	0.16	9	1	489	<20	0.02	<10	<10
H410276		2.02	514	1	3.36	87	1150	33	0.01	<5	6	354	<20	0.61	<10	<10
H410277		0.82	919	<1	1.86	7	2030	31	0.03	<5	6	>10000	50	0.29	<10	<10
H410278		0.88	1045	1	1.55	5	1900	59	0.02	<5	5	>10000	70	0.28	<10	<10
H410279		1.13	932	1	1.52	13	2670	28	0.05	5	8	1780	20	0.34	<10	<10
H410280		1.23	1055	1	2.43	18	2760	25	0.02	<5	12	2330	20	0.39	<10	<10
H410281		1.22	1245	1	2.08	17	2670	30	0.02	5	12	2810	20	0.39	<10	<10
H410282		1.43	1650	<1	1.20	14	2350	35	0.10	<5	13	3440	30	0.35	<10	<10
H410283		1.46	1280	<1	1.47	17	2770	35	0.08	8	11	2920	20	0.40	<10	<10
H410284		1.99	1615	<1	0.91	16	2750	36	0.03	<5	10	3740	30	0.35	<10	10
H410285		1.22	1285	1	1.57	16	2550	44	0.02	5	11	5860	30	0.38	<10	<10
H410286		1.33	1300	1	1.21	15	2660	39	0.03	<5	11	4990	30	0.38	<10	<10
H410287		1.38	1180	<1	0.95	11	2760	42	0.10	<5	8	4740	30	0.33	<10	<10
H410288		1.05	753	1	1.48	7	2090	29	0.09	<5	6	2180	30	0.30	<10	<10
H410289		0.96	835	<1	1.80	7	2020	33	0.04	7	6	1745	20	0.29	<10	<10
H410290		1.11	797	1	1.75	8	2040	30	0.08	6	6	2960	30	0.30	<10	<10
H410291		1.10	1245	1	1.44	9	2090	50	0.20	6	7	3690	20	0.31	<10	<10
H410292		1.27	1070	2	0.82	14	2390	45	0.22	5	9	5040	30	0.35	<10	<10
H410293		0.99	1035	1	1.20	8	2040	28	0.09	5	5	2080	20	0.30	<10	<10
H410294		0.91	777	1	1.49	9	2090	16	0.07	<5	6	4040	30	0.30	<10	<10
H410295		0.90	963	1	2.05	8	2010	30	0.24	<5	6	4230	30	0.29	<10	<10
H410296		1.00	1255	<1	2.00	7	2080	49	0.03	<5	5	7710	40	0.29	<10	<10
H410297		0.99	945	<1	2.32	6	2110	59	0.08	<5	6	4180	30	0.31	<10	<10
H410298		0.97	887	<1	3.21	10	2150	32	0.17	<5	7	1265	20	0.32	<10	<10
H410299		1.00	1170	<1	2.84	10	2040	36	0.06	<5	5	4180	30	0.30	<10	<10
H410300		0.58	341	<1	0.03	4	180	3	0.19	<5	1	462	<20	0.02	<10	<10
H410301		1.81	470	1	3.57	77	1030	55	3.11	<5	6	340	<20	0.55	<10	<10
H410302		0.91	946	<1	3.02	9	2020	37	0.02	<5	7	1615	20	0.31	<10	<10
H410303		0.98	857	<1	3.13	8	1850	39	0.04	<5	6	1785	20	0.31	<10	<10
H410304		0.97	961	<1	3.58	8	1970	50	0.07	<5	6	8130	40	0.29	<10	<10
H410305		0.94	837	<1	3.16	9	2310	91	0.03	<5	7	1405	30	0.32	<10	<10
H410306		1.05	961	<1	2.99	9	1940	32	0.08	<5	6	2420	20	0.30	<10	<10
H410307		1.12	1100	<1	1.56	9	1860	22	0.04	<5	6	1265	20	0.30	<10	<10
H410308		1.22	1260	1	1.00	9	1680	48	0.15	<5	5	1815	20	0.26	<10	<10

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CERTIFICATE OF ANALYSIS VO14042653

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
H410269		193	<10	132
H410270		196	<10	127
H410271		193	<10	141
H410272		163	<10	138
H410273		207	<10	113
H410274		115	<10	105
H410275		7	<10	24
H410276		80	<10	48
H410277		112	<10	101
H410278		104	<10	108
H410279		136	<10	124
H410280		185	<10	124
H410281		175	<10	117
H410282		152	<10	113
H410283		179	<10	138
H410284		157	<10	157
H410285		172	<10	89
H410286		169	<10	115
H410287		131	<10	117
H410288		111	<10	111
H410289		109	<10	105
H410290		110	<10	105
H410291		120	<10	102
H410292		150	<10	125
H410293		113	<10	96
H410294		114	<10	110
H410295		110	<10	99
H410296		113	<10	128
H410297		117	<10	113
H410298		123	<10	117
H410299		112	<10	110
H410300		7	<10	18
H410301		71	<10	101
H410302		117	<10	106
H410303		119	<10	126
H410304		102	<10	108
H410305		125	<10	141
H410306		115	<10	115
H410307		117	<10	115
H410308		101	<10	93

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CERTIFICATE OF ANALYSIS VO14042653

Sample Description	Method / Analyte / Units / LOR	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10	ME-ICP61 K % 0.01	ME-ICP61 La ppm 10
H410309		<0.5	6.65	13	2090	2.3	<2	4.27	<0.5	24	49	52	5.15	20	3.04	40
H410310		<0.5	7.10	10	2540	2.5	<2	4.68	<0.5	20	49	50	5.28	20	2.99	50
H410311		<0.5	6.45	10	2430	2.2	<2	4.13	<0.5	18	44	51	4.81	20	2.39	50
H410312		<0.5	7.35	13	3270	2.1	<2	5.03	<0.5	24	46	59	5.05	20	2.17	70
H410313		<0.5	6.88	9	2600	2.2	<2	4.65	<0.5	18	51	51	4.82	20	2.39	60
H410314		<0.5	6.93	8	2020	1.9	<2	4.93	<0.5	19	44	84	4.96	20	1.89	60
H410315		<0.5	6.76	6	2280	2.2	<2	4.20	<0.5	19	42	41	4.83	20	2.56	50
H410316		<0.5	6.99	6	2390	2.1	<2	4.15	<0.5	19	42	41	4.89	20	2.41	60
H410317		<0.5	7.04	6	2490	2.1	<2	4.15	<0.5	18	41	43	4.79	20	2.36	60
H410318		<0.5	6.70	<5	2470	2.1	<2	3.78	<0.5	19	43	46	4.78	20	2.37	50
H410319		<0.5	7.34	6	2370	2.2	<2	4.40	<0.5	20	47	51	5.13	20	2.37	60
H410320		<0.5	7.05	<5	2700	2.4	<2	4.24	<0.5	21	46	48	5.07	20	2.66	50
H410321		<0.5	7.13	6	2360	2.3	<2	4.30	<0.5	21	52	51	5.08	20	2.52	60
H410322		<0.5	7.01	<5	2540	2.2	<2	4.21	<0.5	19	41	45	4.85	20	2.45	60
H410323		<0.5	7.12	6	2790	2.3	<2	4.52	<0.5	19	42	51	5.03	20	2.77	60
H410324		<0.5	7.14	6	2690	2.1	<2	4.15	<0.5	20	45	46	5.00	20	2.58	60
H410325		<0.5	0.38	<5	20	<0.5	<2	37.5	<0.5	2	5	5	0.42	<10	0.21	<10
H410326		<0.5	7.53	<5	150	3.9	<2	2.52	<0.5	24	81	41	3.53	20	4.22	10
H410327		<0.5	7.13	7	1640	1.9	<2	4.35	<0.5	24	46	64	5.15	20	2.38	60
H410328		<0.5	7.81	9	2480	3.6	<2	2.67	<0.5	15	18	80	4.23	20	5.42	50
H410329		<0.5	7.13	13	2600	3.6	<2	3.19	<0.5	15	19	73	4.14	20	5.53	40
H410330		<0.5	8.80	14	2950	4.1	<2	2.03	<0.5	16	21	82	4.24	20	5.30	60
H410331		<0.5	9.94	20	2940	4.2	<2	1.01	<0.5	18	23	92	4.64	20	6.47	80
H410332		<0.5	8.26	17	2530	3.5	<2	2.73	<0.5	17	21	87	4.24	20	5.33	50
H410333		<0.5	9.73	16	3070	4.3	<2	1.82	<0.5	18	23	86	4.68	20	6.14	80
H410334		<0.5	8.04	12	2530	3.6	<2	3.66	<0.5	15	21	81	4.23	20	5.45	50
H410335		<0.5	7.80	17	2480	3.6	<2	3.19	<0.5	14	20	80	4.18	20	5.22	50
H410336		<0.5	7.85	18	2430	3.5	<2	2.93	<0.5	16	20	77	4.12	20	5.14	50
H410337		<0.5	7.63	17	2650	3.7	<2	3.68	<0.5	16	19	61	4.34	20	5.43	40
H410338		<0.5	8.02	18	2770	3.5	<2	2.79	<0.5	17	20	81	4.37	20	5.45	50
H410339		<0.5	7.65	18	2620	3.6	<2	3.21	<0.5	17	20	82	4.29	20	5.02	40
H410340		<0.5	7.61	17	2240	4.3	<2	2.93	<0.5	18	22	79	4.34	20	4.98	40
H410341		<0.5	8.40	16	2440	4.5	<2	2.95	<0.5	17	21	86	4.62	20	5.03	50
H410342		<0.5	7.58	11	2800	4.0	<2	2.93	<0.5	16	20	84	4.10	20	4.97	40
H410343		<0.5	7.44	12	3210	3.8	<2	3.58	<0.5	15	20	80	4.13	20	5.20	50
H410344		<0.5	7.56	14	3260	4.2	<2	3.53	<0.5	17	20	81	4.11	20	5.11	50
H410345		<0.5	7.82	15	3010	3.7	<2	3.62	<0.5	17	21	84	4.15	20	4.68	40
H410346		<0.5	8.04	9	2840	3.7	<2	2.97	<0.5	15	22	85	4.26	20	4.70	40
H410347		<0.5	8.27	15	3000	3.8	<2	2.54	<0.5	18	21	83	4.29	20	4.85	50
H410348		<0.5	7.71	14	2580	3.4	<2	3.16	<0.5	14	21	82	4.10	20	4.31	50

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

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

To: **OSISKO MINING LTD.**
P.O. BOX 996
KIRKLAND LAKE ON P2N 3L1

Finalized Date: 31-MAR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS VO14042653

Sample Description	Method / Analyte / Units / LOR	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sc ppm 1	ME-ICP61 Sr ppm 1	ME-ICP61 Th ppm 20	ME-ICP61 Ti % 0.01	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10
H410309		1.90	1175	1	2.96	15	2290	19	0.02	8	14	1590	<20	0.35	<10	<10
H410310		2.16	1290	<1	3.13	15	2340	19	0.02	7	15	1610	20	0.35	<10	<10
H410311		1.80	1150	1	3.24	16	2150	31	0.03	<5	14	1325	<20	0.31	<10	<10
H410312		1.95	1160	<1	3.99	19	2340	39	0.06	6	16	1835	20	0.35	<10	<10
H410313		1.91	1095	<1	3.33	15	2150	31	0.04	<5	15	1370	<20	0.32	<10	<10
H410314		2.02	1245	<1	3.95	13	2200	23	0.04	<5	15	1730	20	0.32	<10	<10
H410315		1.90	1175	<1	3.38	15	2150	6	0.02	<5	14	1150	<20	0.32	<10	<10
H410316		1.94	1165	<1	3.51	13	2150	13	0.02	<5	15	1280	20	0.32	<10	<10
H410317		1.90	1115	1	3.49	12	2130	13	0.03	<5	15	1450	20	0.32	<10	<10
H410318		1.90	1140	<1	3.36	13	2130	19	0.02	5	14	1305	<20	0.31	<10	<10
H410319		1.95	1180	<1	3.78	13	2320	24	0.02	7	15	1625	20	0.34	<10	<10
H410320		1.99	1205	<1	3.49	15	2280	17	0.02	<5	14	1725	20	0.33	<10	<10
H410321		1.97	1200	<1	3.43	16	2290	21	0.02	<5	15	1650	20	0.32	<10	<10
H410322		1.89	1125	<1	3.37	14	2180	20	0.03	<5	15	1930	20	0.32	<10	<10
H410323		1.99	1210	<1	3.32	14	2210	19	0.04	7	15	2530	20	0.33	<10	<10
H410324		1.92	1150	<1	3.49	14	2210	16	0.04	<5	15	2380	20	0.33	<10	<10
H410325		0.51	339	<1	0.03	2	240	<2	0.19	8	1	470	<20	0.02	<10	<10
H410326		2.00	505	2	3.31	84	1150	31	0.01	<5	6	341	<20	0.59	<10	<10
H410327		1.97	1235	1	3.84	15	2290	18	0.01	<5	15	2050	20	0.34	<10	<10
H410328		1.06	1355	1	1.71	7	1900	60	0.04	<5	5	1675	20	0.27	<10	<10
H410329		1.37	1555	<1	1.49	4	1970	30	0.02	<5	5	1655	20	0.27	<10	<10
H410330		0.99	882	<1	1.34	8	2080	31	0.01	<5	6	1675	20	0.30	<10	<10
H410331		1.00	573	4	1.87	9	2320	27	0.09	5	7	897	20	0.33	<10	<10
H410332		0.97	1410	5	2.03	7	2080	45	0.38	<5	6	2750	20	0.29	<10	<10
H410333		0.97	678	1	1.63	9	2250	27	0.02	<5	7	2200	30	0.32	<10	<10
H410334		0.80	1060	<1	1.98	9	2020	48	0.03	5	6	6020	30	0.30	<10	<10
H410335		0.77	938	1	1.87	8	1990	41	0.04	<5	5	8620	40	0.29	<10	<10
H410336		0.85	952	1	1.67	7	1910	58	0.07	6	5	7920	40	0.28	<10	<10
H410337		1.09	1575	<1	1.55	6	2060	45	0.08	<5	5	7890	30	0.29	<10	<10
H410338		1.18	1500	<1	1.75	9	2070	23	0.04	5	6	3160	20	0.30	<10	<10
H410339		0.98	1150	<1	1.70	8	1990	67	0.06	<5	5	2570	20	0.29	<10	<10
H410340		1.13	1005	<1	1.22	9	2000	38	0.02	<5	6	1770	20	0.30	<10	<10
H410341		1.26	1000	<1	1.32	8	2380	45	0.06	<5	6	1655	20	0.30	<10	<10
H410342		1.11	1100	<1	1.30	7	1830	35	0.09	<5	5	2160	20	0.28	<10	<10
H410343		1.02	1225	<1	1.30	7	1910	47	0.10	<5	5	3930	20	0.28	<10	<10
H410344		0.92	1090	<1	1.72	8	2030	30	0.07	<5	5	2780	20	0.28	<10	<10
H410345		0.95	1070	<1	2.66	7	1990	48	0.02	<5	5	4150	30	0.28	<10	<10
H410346		0.96	924	1	3.02	7	2080	42	0.01	<5	5	5840	30	0.28	<10	<10
H410347		1.10	926	1	2.97	8	2050	30	0.01	<5	6	4490	30	0.28	<10	<10
H410348		1.01	992	1	3.18	4	1990	29	0.01	<5	5	>10000	50	0.27	<10	<10

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P.O. BOX 996
KIRKLAND LAKE ON P2N 3L1

Finalized Date: 31-MAR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS VO14042653

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
H410309		159	<10	91
H410310		159	<10	95
H410311		146	<10	106
H410312		155	<10	105
H410313		148	<10	92
H410314		139	<10	73
H410315		145	<10	81
H410316		147	<10	93
H410317		143	<10	98
H410318		144	<10	102
H410319		157	<10	103
H410320		157	<10	104
H410321		150	<10	102
H410322		145	<10	96
H410323		152	<10	101
H410324		150	<10	96
H410325		7	<10	21
H410326		80	<10	47
H410327		153	<10	103
H410328		98	<10	99
H410329		107	<10	107
H410330		112	<10	105
H410331		126	<10	133
H410332		111	<10	117
H410333		120	<10	123
H410334		106	<10	97
H410335		106	<10	101
H410336		103	<10	93
H410337		106	<10	112
H410338		108	<10	107
H410339		108	<10	103
H410340		112	<10	124
H410341		117	<10	130
H410342		113	<10	97
H410343		122	<10	109
H410344		136	<10	109
H410345		108	<10	98
H410346		112	<10	102
H410347		112	<10	117
H410348		106	<10	114

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CERTIFICATE OF ANALYSIS VO14042653

Sample Description	Method / Analyte / Units / LOR	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10	ME-ICP61 K % 0.01	ME-ICP61 La ppm 10
H410349		<0.5	8.26	9	2620	3.6	<2	2.93	<0.5	16	22	82	4.28	20	4.48	50
H410350		<0.5	0.34	<5	20	<0.5	<2	35.8	<0.5	1	4	3	0.41	<10	0.19	<10
H410351		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
H410352		<0.5	8.06	14	2640	3.8	<2	2.82	<0.5	15	21	79	4.12	20	4.81	50
H410353		<0.5	8.91	16	2730	4.1	<2	2.72	<0.5	17	23	86	4.51	20	4.88	60
H410354		<0.5	8.12	9	2520	3.8	2	3.12	<0.5	14	21	81	4.23	20	4.52	50
H410355		<0.5	8.33	9	2640	3.9	<2	2.69	<0.5	16	21	82	4.27	20	5.00	50
H410356		<0.5	7.85	14	2330	3.6	<2	2.80	<0.5	14	21	82	3.95	20	4.85	50
H410357		<0.5	7.69	12	2740	4.0	<2	3.46	<0.5	17	20	81	4.17	20	5.19	40
H410358		<0.5	8.80	9	2940	4.5	<2	2.09	<0.5	15	21	81	4.30	20	5.67	60
H410359		<0.5	7.48	13	2680	3.4	<2	2.79	<0.5	16	20	82	3.88	20	5.21	40
H410360		<0.5	8.09	12	2990	3.7	<2	2.52	<0.5	16	20	74	4.25	10	5.56	50
H410361		<0.5	9.14	11	3320	4.1	<2	1.95	<0.5	15	24	82	4.33	20	5.23	70
H410362		<0.5	9.62	15	3180	4.7	<2	1.60	<0.5	15	23	87	4.30	20	4.10	80
H410363		<0.5	9.18	17	3140	4.7	<2	1.18	<0.5	17	22	88	4.13	20	4.45	80
H410364		<0.5	9.52	11	2940	4.6	<2	2.03	<0.5	17	23	91	4.65	20	5.81	80
H410365		<0.5	9.28	8	2720	4.4	<2	2.10	<0.5	18	22	86	4.56	20	5.58	70
H410366		<0.5	8.57	11	2750	4.2	<2	2.59	<0.5	16	22	80	4.47	20	5.25	60
H410367		<0.5	8.49	13	2870	3.8	<2	2.84	<0.5	17	22	84	4.36	20	5.16	50
H410368		<0.5	8.87	17	2790	3.9	<2	2.64	<0.5	19	21	86	4.44	20	5.21	60
H410369		<0.5	9.71	13	2850	4.1	<2	1.97	<0.5	18	22	90	4.43	20	5.50	80
H410370		<0.5	8.09	13	2430	3.6	<2	3.13	<0.5	16	20	82	4.16	20	4.82	50
H410371		<0.5	7.94	17	2510	3.8	<2	3.28	<0.5	16	20	85	4.18	20	5.12	40
H410372		<0.5	8.42	19	2620	4.1	<2	2.65	<0.5	20	20	85	4.35	20	5.62	50
H410373		<0.5	8.49	12	2720	4.0	<2	2.19	<0.5	14	20	77	3.87	20	5.61	60
H410374		<0.5	9.77	13	3040	4.8	<2	1.74	<0.5	15	22	88	3.85	20	5.59	80
H410375		<0.5	0.37	<5	20	<0.5	<2	36.4	<0.5	2	4	3	0.42	<10	0.20	<10
H410376		<0.5	7.74	<5	150	4.0	<2	2.54	<0.5	24	80	42	3.59	20	4.29	10
H410377		<0.5	7.71	12	2680	3.9	<2	2.95	<0.5	14	20	81	3.84	20	5.09	40
H410378		<0.5	7.99	16	2680	3.8	<2	2.75	<0.5	17	21	80	4.04	20	5.05	50
H410379		<0.5	8.49	15	2640	3.9	<2	2.53	<0.5	16	22	85	4.27	20	5.41	50
H410380		<0.5	7.95	11	2710	4.1	<2	3.03	<0.5	15	21	80	4.08	20	5.43	50
H410381		<0.5	8.11	14	2630	4.0	<2	3.24	<0.5	14	20	80	4.21	20	5.28	50
H410382		<0.5	8.55	12	2740	4.1	<2	2.65	<0.5	16	21	85	4.29	20	5.46	50
H410383		<0.5	8.65	14	2550	3.8	<2	2.67	<0.5	13	20	82	4.05	20	5.05	60
H410384		<0.5	7.91	17	2610	3.6	<2	3.05	<0.5	13	20	82	4.00	20	4.84	50
H410385		<0.5	8.15	17	2530	3.5	<2	2.82	<0.5	16	20	82	4.01	20	4.54	50
H410386		<0.5	7.66	16	2460	3.2	<2	2.71	<0.5	14	20	80	3.89	20	4.08	40
H410387		<0.5	7.40	16	2560	3.2	<2	2.94	<0.5	12	19	78	3.89	20	4.03	40

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KIRKLAND LAKE ON P2N 3L1

Finalized Date: 31-MAR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS VO14042653

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U
	Units	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	10	10
H410349		0.91	962	1	3.19	7	2020	34	0.01	<5	6	7110	40	0.28	<10	<10
H410350		0.55	312	<1	0.03	1	260	2	0.17	5	1	462	<20	0.02	<10	<10
H410351		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
H410352		0.84	863	1	2.96	7	2010	26	0.01	<5	6	5480	30	0.27	<10	<10
H410353		0.94	938	1	3.21	7	2200	27	0.01	<5	6	5620	30	0.29	<10	<10
H410354		0.95	1075	1	3.17	8	2060	27	0.01	6	6	5610	30	0.28	<10	<10
H410355		0.99	905	<1	2.83	6	2090	40	0.01	<5	6	5200	30	0.27	<10	<10
H410356		0.78	834	1	2.76	6	1980	33	0.01	<5	5	3530	20	0.26	<10	<10
H410357		0.85	999	1	2.22	8	1990	36	0.01	<5	5	3830	30	0.28	<10	<10
H410358		0.95	680	1	1.63	8	2080	24	0.02	<5	6	2470	30	0.28	<10	<10
H410359		1.07	1250	<1	1.92	7	2040	32	0.05	<5	5	3260	30	0.27	<10	<10
H410360		1.05	1250	<1	1.79	7	2020	33	0.02	<5	6	2250	20	0.28	<10	<10
H410361		1.07	1040	1	1.66	9	2170	32	0.02	<5	7	1485	30	0.29	<10	<10
H410362		0.95	826	1	1.38	9	2280	31	0.06	<5	7	1350	30	0.31	<10	<10
H410363		0.86	644	1	1.22	10	2230	40	0.07	<5	7	978	20	0.31	<10	<10
H410364		1.19	997	1	1.42	8	2210	38	0.03	5	7	1515	20	0.32	<10	<10
H410365		1.18	897	1	1.46	8	2090	47	0.06	<5	7	1585	20	0.30	<10	<10
H410366		1.14	1090	<1	1.67	7	2030	30	0.05	<5	6	2210	20	0.30	<10	<10
H410367		0.77	1010	<1	2.12	6	2030	44	0.02	<5	6	1885	20	0.29	<10	<10
H410368		0.83	987	<1	2.14	7	2090	27	0.01	<5	6	1690	20	0.30	<10	<10
H410369		0.93	723	<1	2.14	9	2180	24	0.02	<5	7	1325	30	0.31	<10	<10
H410370		0.89	1045	1	2.10	7	1960	42	0.02	6	6	2020	20	0.28	<10	<10
H410371		0.93	1130	<1	2.04	9	1980	37	0.02	<5	5	2030	20	0.29	<10	<10
H410372		0.92	912	1	1.71	8	2020	38	0.02	7	6	3050	30	0.29	<10	<10
H410373		0.84	722	1	1.69	7	1980	34	0.03	<5	6	1915	20	0.28	<10	<10
H410374		0.96	644	1	1.51	7	2210	18	0.05	<5	7	2100	30	0.31	<10	<10
H410375		0.55	333	<1	0.03	3	180	<2	0.16	<5	1	455	<20	0.02	<10	<10
H410376		2.01	503	1	3.35	85	1140	30	0.01	<5	6	348	<20	0.61	<10	<10
H410377		0.83	947	1	1.76	8	1980	31	0.07	<5	5	2410	20	0.28	<10	<10
H410378		0.85	786	1	1.90	8	1970	37	0.02	<5	6	1750	20	0.28	<10	<10
H410379		0.89	756	<1	2.17	7	2080	36	0.02	<5	6	1655	20	0.28	<10	<10
H410380		1.06	999	1	1.90	9	1980	35	0.02	<5	5	1785	20	0.28	<10	<10
H410381		0.91	914	1	2.08	9	2010	37	0.02	<5	6	1905	20	0.28	<10	<10
H410382		0.84	828	1	2.25	7	2080	38	0.01	<5	6	1715	20	0.28	<10	<10
H410383		1.02	836	<1	2.30	8	2010	30	0.02	<5	6	1670	20	0.29	<10	<10
H410384		0.89	890	<1	2.44	9	1920	27	0.10	<5	5	1710	20	0.28	<10	<10
H410385		0.97	944	<1	2.88	8	1960	28	0.01	<5	5	2390	20	0.28	<10	<10
H410386		1.06	996	<1	3.14	8	1890	30	0.01	<5	5	2460	20	0.28	<10	<10
H410387		1.01	1020	<1	3.01	8	1870	31	0.02	<5	5	1690	20	0.28	<10	<10

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CERTIFICATE OF ANALYSIS VO14042653

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
H410349		105	<10	111
H410350		6	<10	18
H410351		NSS	NSS	NSS
H410352		109	<10	98
H410353		117	<10	116
H410354		108	<10	108
H410355		110	<10	119
H410356		106	<10	96
H410357		112	<10	100
H410358		113	<10	96
H410359		104	<10	113
H410360		104	<10	111
H410361		115	<10	113
H410362		124	<10	99
H410363		152	<10	86
H410364		154	<10	131
H410365		126	<10	131
H410366		127	<10	131
H410367		117	<10	94
H410368		115	<10	102
H410369		117	<10	108
H410370		109	<10	109
H410371		109	<10	115
H410372		112	<10	105
H410373		106	<10	91
H410374		116	<10	89
H410375		6	<10	12
H410376		79	<10	47
H410377		105	<10	96
H410378		107	<10	106
H410379		107	<10	110
H410380		108	<10	119
H410381		107	<10	109
H410382		112	<10	98
H410383		106	<10	112
H410384		105	<10	95
H410385		105	<10	101
H410386		104	<10	109
H410387		102	<10	103

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

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Finalized Date: 31-MAR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS VO14042653

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.
Applies to Method: ALL METHODS

LABORATORY ADDRESSES

Processed at ALS Val d'Or located at 1324 Rue Turcotte, Val d'Or, QC, Canada.
Applies to Method: FND-02

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Applies to Method: ME-ICP61