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: 11-APR-2014
Account: OSIKLI

CERTIFICATE SD14052601

Project: MU

P.O. No.: KL 000348

This report is for 97 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 2-APR-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 SD14052601

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
I275277		<0.5	7.20	19	1960	3.2	<2	4.56	<0.5	26	115	103	4.89	20	4.66	40
I275278		<0.5	6.91	9	1610	3.7	<2	5.67	<0.5	23	124	89	5.14	20	4.71	30
I275279		<0.5	5.80	11	1570	2.3	<2	7.43	<0.5	15	86	35	3.93	20	5.63	30
I275280		<0.5	5.76	6	1260	2.4	<2	7.03	<0.5	14	77	37	4.07	10	5.28	30
I275281		<0.5	6.10	14	1200	2.7	<2	5.61	<0.5	26	171	107	4.49	20	4.66	30
I275282		<0.5	6.14	16	1230	2.3	<2	4.93	<0.5	28	191	54	4.68	20	4.52	30
I275283		<0.5	6.75	27	1220	3.5	<2	4.43	<0.5	32	218	73	4.54	20	4.33	30
I275284		<0.5	5.12	7	2800	4.8	<2	8.01	<0.5	15	69	20	3.95	10	5.48	30
I275285		<0.5	5.70	19	1460	8.1	<2	6.01	<0.5	39	97	11	5.90	20	5.12	20
I275286		<0.5	5.11	21	210	4.1	<2	5.77	<0.5	100	1105	160	11.50	30	1.48	30
I275287		<0.5	5.44	40	1000	2.5	<2	6.36	<0.5	42	258	101	5.54	20	5.47	30
I275288		<0.5	3.37	22	240	3.8	<2	7.62	<0.5	64	671	163	7.46	20	1.39	20
I275289		<0.5	2.69	23	420	3.8	<2	9.54	<0.5	57	473	212	6.77	10	1.64	20
I275290		<0.5	3.02	10	200	3.2	<2	8.07	<0.5	57	678	204	7.36	10	1.48	20
I275291		<0.5	3.99	10	150	3.3	<2	6.65	<0.5	78	852	84	9.55	20	1.43	20
I275292		<0.5	5.54	25	840	5.1	<2	5.46	<0.5	60	421	243	7.44	20	4.66	30
I275293		<0.5	5.98	89	1550	3.2	<2	5.26	<0.5	38	195	102	5.56	20	4.72	30
I275294		<0.5	6.07	56	2230	8.7	<2	6.11	<0.5	30	201	23	4.98	20	4.41	30
I275295		<0.5	5.98	70	2750	3.9	<2	5.95	<0.5	33	187	72	4.36	20	4.67	30
I275296		<0.5	4.28	30	1000	3.2	<2	8.17	<0.5	37	263	34	5.38	20	4.21	30
I275297		<0.5	5.96	54	1680	2.3	<2	4.83	<0.5	35	221	192	4.54	20	4.37	30
I275298		<0.5	6.22	88	1870	2.9	<2	4.32	<0.5	44	237	166	5.81	20	4.52	40
I275299		<0.5	5.13	35	950	2.9	<2	5.78	<0.5	48	322	100	6.16	20	3.95	30
I275300		<0.5	0.42	<5	20	<0.5	<2	35.0	<0.5	1	9	3	0.42	<10	0.24	10
I275301		0.8	7.66	95	140	4.3	<2	2.35	<0.5	21	70	86	5.54	20	3.76	10
I275302		<0.5	4.75	22	90	4.0	<2	5.66	0.7	96	1140	203	11.35	20	0.93	30
I275303		<0.5	3.78	21	50	3.0	<2	7.06	<0.5	84	912	207	9.44	20	0.77	20
I275304		<0.5	4.50	50	950	5.8	2	6.49	<0.5	57	483	135	7.35	20	2.78	30
I275305		<0.5	4.95	34	1380	5.9	<2	5.01	<0.5	43	384	104	6.17	10	3.69	30
I275306		<0.5	5.88	59	2510	2.8	<2	6.85	<0.5	28	201	78	5.51	10	4.77	30
I275307		<0.5	3.55	20	2990	1.7	<2	11.05	0.5	16	104	19	4.34	10	4.07	20
I275308		<0.5	4.67	29	3830	2.0	2	9.28	<0.5	18	146	22	4.05	20	4.56	20
I275309		<0.5	5.24	31	2580	2.7	<2	8.67	<0.5	17	163	35	4.27	20	4.71	30
I275310		<0.5	6.03	52	1820	3.1	<2	7.05	<0.5	28	200	52	5.72	10	4.87	30
I275311		<0.5	5.98	35	2030	3.2	<2	6.65	<0.5	25	201	51	5.45	20	4.33	30
I275312		<0.5	6.38	39	2340	5.5	<2	5.75	<0.5	31	216	84	5.07	20	4.81	30
I275313		<0.5	4.84	30	2890	3.0	<2	8.70	<0.5	19	142	32	3.61	20	4.67	30
I275314		<0.5	6.25	26	1550	5.4	<2	5.22	<0.5	26	216	44	5.29	10	5.07	30
I275315		<0.5	5.66	33	1520	3.6	<2	6.31	<0.5	24	185	47	4.32	10	4.96	30
I275316		<0.5	6.44	47	1510	4.1	<2	5.01	<0.5	32	236	65	5.06	10	5.26	40

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Finalized Date: 11-APR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS SD14052601

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
I275277		2.32	814	<1	0.09	40	1380	14	0.39	<5	16	836	<20	0.31	<10	<10
I275278		2.76	974	<1	0.08	40	1120	9	0.09	<5	18	918	<20	0.29	<10	<10
I275279		3.15	962	<1	0.13	25	920	14	0.08	<5	13	1250	<20	0.20	<10	<10
I275280		3.14	1125	<1	0.10	26	970	11	0.06	<5	13	978	<20	0.19	<10	<10
I275281		2.67	990	<1	0.07	62	1030	7	0.16	<5	19	807	<20	0.21	<10	<10
I275282		2.45	885	<1	0.07	69	1020	5	0.18	<5	18	730	<20	0.18	<10	<10
I275283		2.44	828	<1	0.09	88	1050	7	0.52	<5	19	727	<20	0.20	10	<10
I275284		3.90	1645	<1	0.25	32	1000	267	0.12	<5	13	1115	<20	0.17	<10	<10
I275285		5.10	1340	<1	0.04	75	880	105	0.23	<5	15	917	<20	0.15	<10	<10
I275286		9.66	1625	<1	0.02	1410	570	50	0.14	<5	23	1415	<20	0.61	<10	<10
I275287		5.03	1500	<1	0.06	258	850	67	0.26	<5	18	1265	<20	0.24	<10	<10
I275288		7.61	1905	<1	0.28	794	430	224	0.08	7	15	1795	<20	0.41	<10	<10
I275289		7.61	2260	<1	0.29	595	310	668	0.07	18	14	2480	<20	0.34	10	<10
I275290		7.81	1930	<1	0.13	691	430	73	0.06	5	16	1905	<20	0.48	10	<10
I275291		8.89	1740	<1	0.03	927	570	11	0.04	<5	22	1285	<20	0.63	<10	<10
I275292		6.28	1415	<1	0.17	444	860	111	0.27	<5	20	1295	<20	0.39	<10	<10
I275293		3.79	1280	<1	0.07	89	1280	52	0.67	<5	20	1090	<20	0.26	<10	<10
I275294		3.49	1315	2	0.14	66	1150	39	0.56	<5	20	1195	<20	0.25	<10	<10
I275295		3.60	1235	<1	0.08	70	520	35	0.63	<5	17	1210	<20	0.21	<10	<10
I275296		5.72	1730	<1	0.07	242	530	13	0.24	<5	18	1965	<20	0.24	10	<10
I275297		3.30	1095	<1	0.35	62	1150	18	0.52	<5	21	1090	<20	0.27	<10	<10
I275298		4.61	1180	<1	0.15	100	810	95	0.64	<5	21	987	<20	0.27	<10	<10
I275299		6.31	1430	<1	0.12	298	410	25	0.20	<5	20	1680	<20	0.36	<10	<10
I275300		0.48	315	<1	0.02	1	280	2	0.18	<5	1	433	<20	0.02	<10	10
I275301		1.76	448	<1	3.46	76	960	53	3.00	<5	5	319	<20	0.53	<10	<10
I275302		10.40	1475	<1	0.01	1370	640	7	0.05	11	25	1565	<20	0.78	<10	<10
I275303		9.83	1630	<1	0.01	1090	510	6	0.08	6	20	1850	<20	0.59	<10	<10
I275304		7.75	1390	<1	0.11	483	940	23	0.25	5	19	1820	<20	0.40	<10	<10
I275305		5.70	992	<1	0.19	339	930	24	0.25	6	20	1085	<20	0.32	<10	<10
I275306		3.91	1145	<1	0.36	59	1060	9	0.33	7	23	1245	<20	0.26	<10	<10
I275307		5.63	1295	<1	0.03	40	770	71	0.47	<5	15	2130	<20	0.11	<10	<10
I275308		4.65	1080	8	0.04	47	720	38	0.27	<5	15	1705	<20	0.17	<10	<10
I275309		4.13	1120	<1	0.31	46	1720	14	0.33	6	19	1415	<20	0.22	<10	<10
I275310		3.75	1110	<1	0.61	60	1120	2	0.39	<5	22	1070	<20	0.26	<10	<10
I275311		3.23	1125	<1	0.30	56	1070	5	0.36	<5	22	1090	<20	0.28	<10	<10
I275312		2.89	1035	<1	0.26	64	1170	6	0.21	9	23	935	<20	0.30	<10	<10
I275313		4.15	927	<1	0.05	42	930	21	0.37	11	16	1685	<20	0.17	<10	<10
I275314		3.11	989	<1	0.90	62	1170	3	0.06	<5	23	969	<20	0.29	10	<10
I275315		3.05	1240	<1	0.30	59	1110	7	0.04	6	21	1005	<20	0.27	<10	<10
I275316		2.82	949	<1	0.48	71	1240	10	0.07	8	24	824	<20	0.32	<10	<10

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Finalized Date: 11-APR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS SD14052601

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
I275277		241	40	99
I275278		262	40	102
I275279		148	20	68
I275280		152	20	69
I275281		192	20	80
I275282		160	20	75
I275283		197	20	80
I275284		98	10	72
I275285		188	10	167
I275286		269	10	337
I275287		161	10	136
I275288		153	10	208
I275289		127	10	167
I275290		139	10	212
I275291		228	10	282
I275292		235	30	230
I275293		181	20	107
I275294		199	20	78
I275295		146	20	84
I275296		157	20	127
I275297		126	30	92
I275298		187	20	154
I275299		215	40	185
I275300		7	<10	11
I275301		70	<10	100
I275302		245	20	364
I275303		197	10	291
I275304		195	10	208
I275305		156	10	171
I275306		175	20	82
I275307		126	10	68
I275308		167	20	73
I275309		165	20	66
I275310		190	10	91
I275311		171	20	73
I275312		182	20	63
I275313		139	10	54
I275314		162	20	70
I275315		136	10	60
I275316		160	10	74

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CERTIFICATE OF ANALYSIS SD14052601

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
I275317		<0.5	5.93	43	1590	4.2	2	5.90	<0.5	27	204	92	5.17	10	5.18	30
I275318		<0.5	5.76	33	1660	3.9	<2	6.87	<0.5	27	186	56	5.01	10	4.85	30
I275319		<0.5	5.55	5	830	3.0	<2	6.68	<0.5	29	175	59	6.83	10	2.51	30
I275320		<0.5	5.23	22	980	3.1	<2	7.00	<0.5	29	166	46	6.62	10	3.07	30
I275321		<0.5	5.98	18	1010	2.4	<2	5.92	<0.5	26	165	46	5.48	10	3.13	30
I275322		<0.5	6.54	21	1520	3.0	<2	4.31	<0.5	24	166	57	4.41	10	4.70	40
I275323		<0.5	6.41	26	1650	3.2	<2	5.24	<0.5	23	170	61	4.53	20	4.78	40
I275324		<0.5	5.78	19	970	2.4	<2	6.44	<0.5	26	187	46	5.13	10	3.00	30
I275325		<0.5	0.39	8	20	<0.5	<2	34.6	<0.5	<1	5	2	0.42	<10	0.22	<10
I275326		<0.5	7.55	10	140	3.7	<2	2.54	<0.5	20	72	42	3.36	20	4.12	10
I275327		<0.5	5.63	21	1120	2.2	<2	6.09	<0.5	23	171	61	5.00	10	2.92	30
I275328		<0.5	6.09	22	1360	2.1	<2	4.62	<0.5	27	210	59	5.24	10	3.12	30
I275329		<0.5	5.54	33	1520	2.3	<2	5.19	<0.5	31	254	64	5.15	10	3.12	40
I275330		<0.5	4.71	48	1540	2.6	<2	6.80	<0.5	36	378	73	4.96	10	2.91	70
I275331		<0.5	5.98	27	1720	2.3	2	4.62	<0.5	26	213	56	4.82	10	3.46	30
I275332		<0.5	6.09	20	1260	2.4	<2	4.29	<0.5	27	207	61	5.32	10	3.13	30
I275333		<0.5	6.32	33	1410	2.3	<2	4.28	<0.5	26	225	61	4.77	10	3.47	30
I275334		<0.5	6.00	41	1150	2.3	<2	5.68	<0.5	25	199	60	5.12	10	3.02	30
I275335		<0.5	5.78	15	920	2.0	<2	4.86	<0.5	24	160	56	5.00	10	2.57	30
I275336		<0.5	6.73	23	1130	2.5	<2	3.78	<0.5	26	200	60	5.48	20	3.28	40
I275337		<0.5	6.27	22	1090	2.5	<2	5.81	<0.5	22	172	60	5.17	20	3.35	40
I275338		<0.5	5.94	22	980	2.5	3	6.67	<0.5	26	156	59	5.46	10	3.02	40
I275339		<0.5	5.97	13	1040	3.2	3	5.99	<0.5	24	157	54	5.66	20	3.45	30
I275340		<0.5	6.98	<5	1490	2.6	<2	3.34	<0.5	23	163	51	5.03	20	4.25	40
I275341		<0.5	7.18	7	1800	2.8	<2	3.46	<0.5	25	198	65	5.23	20	5.01	40
I275342		<0.5	6.46	12	1480	2.8	<2	4.06	<0.5	25	193	68	4.96	10	4.97	40
I275343		<0.5	6.40	19	1470	3.2	5	4.12	<0.5	22	197	54	5.28	10	5.46	40
I275344		<0.5	6.78	7	1260	3.0	6	3.40	<0.5	23	208	79	5.23	20	4.47	40
I275345		<0.5	6.58	11	1680	3.1	<2	3.93	<0.5	20	176	69	4.67	20	5.78	40
I275346		<0.5	6.67	10	1750	3.6	3	4.63	<0.5	21	161	61	5.14	20	4.79	40
I275347		<0.5	6.78	20	1830	4.0	<2	4.96	<0.5	24	172	58	4.80	20	4.90	40
I275348		<0.5	6.29	29	1550	5.7	<2	6.55	<0.5	28	210	60	5.62	20	5.39	30
I275349		<0.5	7.01	56	1670	34.1	2	5.60	<0.5	35	294	71	6.46	20	5.41	30
I275350		<0.5	0.40	<5	20	<0.5	<2	37.2	<0.5	<1	5	4	0.43	<10	0.24	<10
I275401		1.1	7.91	94	140	4.4	8	2.38	<0.5	19	69	85	5.72	20	3.76	10
I275402		<0.5	6.46	38	1790	4.4	<2	5.44	<0.5	27	184	50	5.43	20	5.05	30
I275403		<0.5	5.75	47	1480	5.7	4	6.87	<0.5	27	173	46	5.67	20	5.75	30
I275404		<0.5	6.39	45	1610	3.7	<2	6.69	<0.5	24	220	70	5.42	10	5.94	30
I275405		<0.5	6.17	58	1630	6.3	<2	6.53	<0.5	26	227	72	5.16	20	4.51	30
I275406		<0.5	6.39	48	1670	3.4	<2	6.91	<0.5	25	241	67	5.65	20	5.92	30

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ALS Canada Ltd.
2103 Dollarton Hwy
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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: 11-APR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS SD14052601

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
I275317		3.04	1170	<1	0.34	61	1170	8	0.06	6	22	950	<20	0.29	<10	<10
I275318		3.31	1265	<1	0.28	58	1070	2	0.06	<5	21	992	<20	0.27	<10	<10
I275319		5.39	1470	<1	0.89	61	1020	16	0.01	9	20	991	<20	0.27	<10	<10
I275320		4.68	1425	<1	0.56	63	1000	2	0.11	7	19	937	<20	0.26	<10	<10
I275321		4.74	1165	<1	1.00	63	1100	5	0.02	6	19	761	<20	0.29	<10	<10
I275322		3.35	902	<1	0.69	54	1270	<2	0.02	<5	18	533	<20	0.28	<10	<10
I275323		3.67	981	<1	0.51	52	1210	4	0.04	7	20	628	<20	0.29	<10	<10
I275324		4.84	1165	<1	0.96	63	1060	<2	0.01	6	22	782	<20	0.29	<10	<10
I275325		0.49	312	<1	0.02	7	230	<2	0.20	<5	1	410	<20	0.02	<10	<10
I275326		1.96	483	<1	3.18	84	1050	29	0.01	<5	6	331	<20	0.59	<10	<10
I275327		4.67	1190	<1	0.99	57	1020	4	0.04	<5	20	793	<20	0.27	<10	<10
I275328		4.45	964	<1	0.91	64	1110	26	0.07	<5	23	649	<20	0.29	<10	<10
I275329		4.50	941	<1	0.48	170	2040	46	0.25	7	21	786	<20	0.29	<10	<10
I275330		4.67	987	<1	0.34	283	4000	20	0.36	5	19	1085	20	0.27	<10	<10
I275331		3.77	987	<1	0.85	61	1090	6	0.27	<5	21	682	<20	0.31	<10	<10
I275332		3.81	936	<1	0.95	66	1130	3	0.04	8	22	600	<20	0.31	<10	<10
I275333		3.43	806	<1	1.06	62	1130	3	0.19	5	23	593	<20	0.33	<10	<10
I275334		4.16	1245	<1	1.00	62	1110	5	0.21	<5	22	734	<20	0.31	<10	<10
I275335		4.21	1160	<1	0.95	52	1080	5	0.01	6	19	626	<20	0.29	<10	<10
I275336		3.78	810	<1	1.13	57	1360	<2	0.01	6	20	514	<20	0.34	<10	<10
I275337		3.89	1045	<1	1.06	55	1230	8	0.01	8	19	751	<20	0.31	<10	<10
I275338		4.30	1300	<1	0.97	57	1170	39	0.01	8	19	881	<20	0.29	<10	<10
I275339		3.90	1275	<1	0.93	50	1080	11	0.11	<5	19	905	<20	0.26	<10	<10
I275340		3.43	946	<1	1.15	47	1230	18	0.04	7	18	575	<20	0.25	10	<10
I275341		3.68	939	1	0.76	50	1370	10	0.04	11	21	620	<20	0.28	<10	<10
I275342		3.14	1040	<1	0.78	45	1330	14	0.05	7	20	709	<20	0.31	<10	<10
I275343		2.81	1115	1	0.49	49	1260	19	0.03	5	19	703	<20	0.30	<10	<10
I275344		3.06	1070	1	1.06	54	1380	11	0.02	8	20	593	<20	0.27	<10	<10
I275345		2.68	981	<1	0.58	47	1210	6	0.05	7	18	777	<20	0.29	<10	<10
I275346		2.83	1035	<1	0.36	50	1210	8	0.01	<5	18	865	<20	0.29	<10	<10
I275347		2.20	987	<1	0.22	49	1490	16	0.02	9	18	891	<20	0.29	10	<10
I275348		3.27	1210	<1	0.21	56	1250	13	0.11	7	22	1245	<20	0.31	<10	<10
I275349		3.54	1125	<1	0.07	71	1290	14	0.22	5	27	1295	<20	0.37	<10	<10
I275350		0.49	340	<1	0.03	4	220	3	0.20	<5	1	441	<20	0.02	<10	<10
I275401		1.82	465	<1	3.54	78	1000	56	3.11	<5	5	325	<20	0.56	<10	<10
I275402		2.97	1110	1	0.15	49	1170	18	0.16	<5	21	1345	<20	0.28	<10	<10
I275403		3.52	1280	<1	0.09	53	1030	19	0.14	6	21	1810	<20	0.28	<10	<10
I275404		2.93	1190	<1	0.13	48	1190	17	0.26	<5	23	1505	<20	0.35	<10	<10
I275405		2.70	1070	<1	0.28	53	1160	16	1.08	5	22	1220	<20	0.27	<10	<10
I275406		2.98	1265	<1	0.61	53	1190	9	0.19	5	23	1115	<20	0.25	<10	<10

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KIRKLAND LAKE ON P2N 3L1

Finalized Date: 11-APR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS SD14052601

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
I275317		158	10	60
I275318		160	10	54
I275319		147	<10	121
I275320		163	10	97
I275321		138	<10	105
I275322		132	10	87
I275323		148	10	83
I275324		149	10	99
I275325		6	<10	13
I275326		75	<10	44
I275327		147	10	92
I275328		165	10	128
I275329		147	<10	130
I275330		122	10	96
I275331		144	10	89
I275332		157	10	99
I275333		155	10	81
I275334		136	10	83
I275335		132	10	93
I275336		164	10	104
I275337		150	<10	82
I275338		148	10	84
I275339		143	<10	77
I275340		145	10	99
I275341		154	<10	111
I275342		147	<10	88
I275343		149	10	78
I275344		156	<10	112
I275345		140	10	76
I275346		152	10	74
I275347		171	10	56
I275348		191	10	82
I275349		260	10	123
I275350		7	<10	13
I275401		71	<10	101
I275402		168	10	94
I275403		171	10	92
I275404		207	20	70
I275405		241	20	63
I275406		187	10	69

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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	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	ppm
	LOR	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01	10
I275407		<0.5	7.03	18	1430	2.9	<2	4.28	<0.5	22	155	38	4.58	20	4.45	30
I275408		<0.5	6.17	16	860	2.1	2	5.07	<0.5	26	197	11	5.46	20	2.77	30
I275409		<0.5	7.50	19	1110	3.5	3	3.07	<0.5	26	207	59	5.43	20	3.95	30
I275410		<0.5	7.09	18	1040	2.8	4	3.82	<0.5	22	192	61	5.25	20	3.58	30
I275411		<0.5	7.02	23	930	2.6	3	3.42	<0.5	30	236	57	5.59	20	3.27	30
I275412		<0.5	6.49	24	740	2.2	7	4.72	<0.5	30	238	63	6.15	10	2.59	30
I275413		<0.5	6.59	20	870	2.6	3	4.46	<0.5	29	251	73	5.70	10	2.95	30
I275414		<0.5	6.58	22	940	3.2	4	3.26	<0.5	28	281	66	5.59	20	3.32	30
I275415		<0.5	6.59	19	860	3.3	<2	4.78	<0.5	25	256	61	6.00	20	2.97	30
I275416		<0.5	6.84	26	910	3.5	<2	3.88	<0.5	29	245	48	5.31	20	3.19	30
I275417		<0.5	6.51	30	940	4.5	4	4.58	<0.5	32	263	78	5.82	20	3.27	30
I275418		<0.5	6.67	43	1210	4.5	3	4.80	<0.5	31	270	61	7.14	20	3.62	30
I275419		<0.5	6.04	44	1410	4.1	<2	5.82	<0.5	29	229	70	7.26	20	4.05	30
I275420		<0.5	6.53	51	1810	4.1	3	6.02	<0.5	31	244	83	7.35	20	4.84	30
I275421		<0.5	6.69	56	1520	4.9	<2	5.94	<0.5	36	259	57	6.40	20	4.64	30
I275422		<0.5	6.89	52	1660	5.5	<2	5.29	<0.5	30	276	73	6.16	20	5.31	40
I275423		<0.5	6.35	35	1690	4.0	<2	5.60	<0.5	27	239	60	5.67	20	4.93	30

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CERTIFICATE OF ANALYSIS SD14052601

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
I275407		2.77	976	<1	1.42	41	990	13	0.03	<5	17	755	<20	0.25	<10	<10
I275408		3.58	1290	<1	1.47	58	1090	20	0.01	<5	21	854	<20	0.25	<10	<10
I275409		2.96	936	<1	0.69	53	1140	10	0.03	11	22	512	<20	0.26	<10	<10
I275410		3.16	1195	<1	0.91	51	1090	13	0.02	<5	20	654	<20	0.27	<10	<10
I275411		3.35	1040	<1	0.81	58	1170	9	0.02	6	23	576	<20	0.27	<10	<10
I275412		4.20	1235	<1	0.97	77	1220	12	0.01	5	24	801	<20	0.28	<10	<10
I275413		3.44	1060	<1	1.03	71	1220	10	0.02	9	24	757	<20	0.30	<10	<10
I275414		2.57	755	<1	1.01	79	1230	4	0.01	5	24	563	<20	0.26	<10	<10
I275415		3.17	1180	<1	1.52	75	1200	8	0.02	5	25	859	<20	0.31	<10	<10
I275416		2.64	857	<1	2.55	68	1010	11	0.02	7	21	777	<20	0.30	<10	<10
I275417		3.01	1065	1	1.53	70	1180	15	0.05	9	24	846	<20	0.32	<10	<10
I275418		3.18	1320	<1	0.91	76	1260	21	0.11	7	25	823	<20	0.29	<10	<10
I275419		3.27	1605	<1	0.48	63	1140	19	0.12	5	23	989	<20	0.27	<10	<10
I275420		3.32	1600	<1	0.54	76	1200	16	0.09	5	25	1065	<20	0.31	<10	<10
I275421		2.81	1485	<1	0.95	94	1230	14	0.05	7	25	1010	<20	0.32	<10	<10
I275422		2.58	1265	<1	0.64	72	1300	17	0.04	9	27	944	<20	0.33	10	<10
I275423		2.75	1170	<1	0.95	66	1210	11	0.04	<5	24	1045	<20	0.29	10	<10

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CERTIFICATE OF ANALYSIS SD14052601

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
I275407		136	<10	81
I275408		139	<10	104
I275409		162	10	109
I275410		150	<10	99
I275411		164	<10	126
I275412		167	<10	132
I275413		174	<10	107
I275414		182	<10	88
I275415		172	<10	90
I275416		142	<10	82
I275417		176	<10	96
I275418		199	<10	112
I275419		202	10	96
I275420		201	10	100
I275421		184	10	66
I275422		195	10	65
I275423		174	10	73

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CERTIFICATE OF ANALYSIS SD14052601

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method: FND-02 ME-ICP61