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 SD14052598

Project: MU

P.O. No.: KL 000348

This report is for 83 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 SD14052598

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
I274360		<0.5	7.00	7	2200	4.2	2	2.67	<0.5	11	62	31	3.11	20	4.57	20
I274361		<0.5	6.47	10	1410	5.1	2	2.51	<0.5	10	57	24	2.89	30	3.94	20
I274362		<0.5	6.36	10	1460	5.9	3	2.68	<0.5	11	56	42	3.14	30	4.26	20
I274363		<0.5	6.74	11	1490	6.0	2	1.85	<0.5	13	57	48	3.16	20	4.11	20
I274364		<0.5	6.93	6	1360	5.5	3	2.64	<0.5	15	49	52	3.73	20	3.88	30
I274365		<0.5	6.72	<5	1170	4.6	<2	3.06	<0.5	16	52	50	4.18	20	3.15	30
I274366		<0.5	6.32	<5	1180	3.7	<2	3.44	<0.5	14	48	48	3.76	20	2.96	20
I274367		<0.5	6.55	6	1850	3.7	3	3.79	<0.5	14	50	22	3.81	20	3.29	30
I274368		<0.5	7.57	<5	1590	3.9	3	1.97	<0.5	17	51	48	3.92	30	3.97	30
I274369		<0.5	7.71	<5	1490	2.7	<2	0.74	<0.5	14	54	60	3.77	20	3.87	40
I274370		<0.5	7.81	<5	1940	2.8	<2	0.44	<0.5	12	54	66	3.57	20	3.59	40
I274371		<0.5	7.97	6	2090	3.7	<2	0.76	<0.5	15	64	69	4.11	20	3.06	40
I274372		<0.5	6.89	<5	1440	13.9	<2	2.56	<0.5	18	50	50	4.28	20	2.27	30
I274373		<0.5	7.35	<5	900	7.8	<2	2.26	<0.5	17	52	43	4.36	20	2.95	30
I274374		<0.5	7.91	<5	1780	4.5	2	1.22	<0.5	15	49	47	3.87	20	3.05	30
I274375		<0.5	0.35	<5	20	<0.5	<2	36.0	<0.5	<1	4	<1	0.38	<10	0.20	10
I274376		0.9	7.78	90	140	4.3	5	2.47	<0.5	19	68	87	5.63	20	3.90	10
I274377		<0.5	6.56	<5	1430	3.7	<2	3.04	<0.5	13	42	36	3.90	20	2.55	20
I274378		<0.5	6.41	<5	1370	3.7	2	3.54	<0.5	14	42	31	3.86	20	2.30	20
I274379		<0.5	6.97	<5	1200	3.8	<2	2.72	<0.5	16	48	39	3.97	20	2.61	30
I274380		<0.5	6.99	<5	1570	3.7	4	2.88	<0.5	15	51	33	3.97	20	2.72	30
I274381		<0.5	6.90	<5	1320	3.1	<2	2.73	<0.5	12	37	38	3.49	20	2.15	20
I274382		<0.5	7.60	<5	1550	3.6	<2	2.16	<0.5	16	49	47	4.06	20	2.34	30
I274383		<0.5	7.76	<5	4990	3.2	4	1.85	<0.5	14	44	59	4.02	20	2.41	30
I274384		<0.5	6.83	5	890	3.2	<2	3.46	<0.5	18	42	51	4.13	20	2.74	20
I274385		<0.5	6.84	<5	1360	2.7	4	4.17	<0.5	15	41	52	4.15	20	2.08	30
I274386		<0.5	6.95	<5	1020	2.6	<2	4.21	<0.5	14	37	41	3.86	20	2.33	30
I274387		<0.5	7.23	<5	1570	3.4	4	4.42	<0.5	17	41	37	4.30	20	2.54	30
I274388		<0.5	6.46	<5	1180	3.4	2	3.53	<0.5	14	41	55	3.77	20	2.48	20
I274389		<0.5	6.80	<5	1020	3.1	<2	3.72	<0.5	14	44	50	3.98	20	2.30	30
I274390		<0.5	6.49	<5	2220	3.3	<2	3.84	<0.5	15	46	54	3.86	20	2.30	30
I274391		<0.5	6.86	<5	1160	3.0	<2	4.30	<0.5	14	39	39	3.91	20	1.91	30
I274392		<0.5	6.96	5	970	4.6	<2	4.75	<0.5	21	38	48	5.29	20	2.91	40
I274393		<0.5	6.13	5	1120	4.8	4	5.39	<0.5	32	52	52	7.38	20	3.90	40
I274394		<0.5	5.93	<5	1030	3.6	<2	5.45	<0.5	33	52	56	7.31	20	3.61	40
I274395		<0.5	5.80	<5	910	2.6	<2	6.31	<0.5	32	40	74	6.54	10	3.27	40
I274396		<0.5	5.71	<5	1100	2.4	<2	5.92	<0.5	29	41	56	6.41	20	3.11	40
I274397		<0.5	7.15	9	1960	3.5	<2	2.89	<0.5	21	43	54	5.30	20	4.01	40
I274398		<0.5	6.67	7	1620	4.0	<2	4.09	<0.5	24	54	72	5.54	20	3.63	30
I274399		<0.5	6.74	5	1800	2.8	<2	2.83	<0.5	13	49	48	3.46	20	2.86	20

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Finalized Date: 11-APR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS SD14052598

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
I274360		0.93	691	1	2.51	14	820	42	0.46	<5	8	838	<20	0.21	<10	<10
I274361		1.11	622	<1	1.88	13	760	45	0.39	<5	7	806	<20	0.17	<10	<10
I274362		1.19	703	<1	1.38	13	890	42	0.35	<5	7	755	<20	0.20	<10	<10
I274363		0.93	564	<1	1.88	13	1010	40	0.31	7	9	589	<20	0.21	<10	<10
I274364		1.22	766	<1	1.93	11	1150	33	0.28	<5	12	753	<20	0.23	<10	<10
I274365		1.34	837	<1	2.58	12	1200	39	0.07	<5	13	858	<20	0.24	<10	<10
I274366		1.30	849	<1	2.56	9	1150	19	0.06	<5	12	931	<20	0.25	<10	<10
I274367		1.39	882	<1	2.47	8	1180	9	0.09	<5	12	950	<20	0.26	<10	<10
I274368		0.99	598	<1	3.20	12	1210	14	0.22	<5	13	556	<20	0.27	<10	<10
I274369		0.62	351	<1	3.47	12	1090	26	0.49	<5	12	304	<20	0.25	<10	<10
I274370		0.51	247	1	3.84	11	1120	7	0.37	<5	11	278	<20	0.24	<10	<10
I274371		0.72	462	<1	3.92	17	1310	8	0.20	<5	13	422	<20	0.23	<10	<10
I274372		1.45	964	<1	3.75	13	1240	10	0.19	<5	13	744	<20	0.21	<10	<10
I274373		1.40	1020	<1	3.33	12	1270	11	0.10	5	13	602	<20	0.23	<10	<10
I274374		0.91	547	<1	3.24	12	1190	6	0.17	<5	14	417	<20	0.22	<10	<10
I274375		0.47	305	<1	0.03	<1	210	<2	0.16	<5	1	434	<20	0.02	<10	<10
I274376		1.80	440	1	3.51	70	1050	54	3.06	<5	5	321	<20	0.55	<10	<10
I274377		1.35	958	<1	3.20	8	1120	5	0.15	<5	11	774	<20	0.25	<10	<10
I274378		1.57	1025	<1	3.36	8	1140	16	0.11	<5	12	928	<20	0.24	<10	<10
I274379		1.31	937	<1	3.25	10	1180	11	0.17	<5	13	671	<20	0.24	<10	<10
I274380		1.33	908	<1	2.95	9	1230	24	0.15	<5	14	684	<20	0.22	<10	<10
I274381		1.17	808	<1	3.66	7	1010	14	0.07	5	10	661	<20	0.22	<10	<10
I274382		0.99	589	<1	3.71	10	1200	14	0.20	5	12	589	<20	0.24	<10	<10
I274383		1.02	451	<1	3.51	10	1160	17	0.24	<5	12	641	<20	0.23	<10	<10
I274384		1.49	976	<1	3.15	13	1160	21	0.03	<5	11	810	<20	0.24	<10	<10
I274385		1.64	1030	<1	3.43	9	1120	57	0.06	<5	12	982	<20	0.21	<10	<10
I274386		1.74	972	<1	3.33	9	1030	64	0.02	<5	10	1010	<20	0.23	10	<10
I274387		1.72	1085	<1	3.16	9	1180	31	0.12	<5	12	1070	<20	0.24	<10	<10
I274388		1.38	811	<1	3.10	11	1150	18	0.07	<5	11	902	<20	0.22	<10	<10
I274389		1.49	837	<1	3.37	12	1140	25	0.03	<5	11	900	<20	0.24	<10	<10
I274390		1.43	869	<1	3.21	10	1130	29	0.07	<5	11	909	<20	0.23	<10	<10
I274391		1.59	941	<1	3.63	10	1160	25	0.16	<5	11	1020	<20	0.23	<10	<10
I274392		2.20	978	<1	1.90	12	1590	27	0.11	<5	19	1085	<20	0.31	<10	<10
I274393		2.71	1570	<1	0.03	17	2070	7	0.05	<5	32	849	<20	0.43	<10	<10
I274394		2.71	1480	<1	0.03	18	1980	14	0.03	<5	33	764	<20	0.39	<10	<10
I274395		2.93	1290	<1	0.03	16	1940	20	0.05	<5	28	896	<20	0.37	<10	<10
I274396		3.14	1470	<1	0.03	20	1800	34	0.07	<5	29	928	<20	0.39	<10	<10
I274397		2.01	968	<1	0.09	15	1400	113	0.06	<5	20	592	<20	0.32	<10	<10
I274398		2.10	1150	1	0.14	18	1610	35	0.29	<5	21	917	<20	0.37	<10	<10
I274399		1.24	770	1	2.37	15	990	27	0.23	<5	9	1000	<20	0.22	<10	<10

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CERTIFICATE OF ANALYSIS SD14052598

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
I274360		157	10	72
I274361		310	10	79
I274362		341	10	68
I274363		162	10	67
I274364		197	10	72
I274365		171	10	80
I274366		141	10	72
I274367		195	10	69
I274368		455	20	74
I274369		396	30	63
I274370		347	20	54
I274371		363	20	79
I274372		192	10	92
I274373		158	10	79
I274374		156	10	68
I274375		6	<10	7
I274376		70	<10	96
I274377		150	10	67
I274378		220	10	70
I274379		158	10	70
I274380		167	10	66
I274381		126	10	61
I274382		166	10	68
I274383		154	10	97
I274384		133	10	75
I274385		135	10	77
I274386		123	<10	81
I274387		138	10	82
I274388		133	<10	74
I274389		132	<10	77
I274390		138	10	75
I274391		135	10	71
I274392		238	10	126
I274393		279	10	108
I274394		277	10	115
I274395		233	<10	137
I274396		240	<10	140
I274397		191	10	122
I274398		201	10	124
I274399		130	10	79

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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
I274400		<0.5	0.32	<5	10	<0.5	2	34.3	<0.5	1	4	3	0.36	<10	0.17	<10
I274401		<0.5	7.61	<5	140	3.8	<2	2.48	<0.5	22	77	42	3.37	20	4.17	10
I274402		<0.5	7.14	7	1460	2.2	<2	2.52	<0.5	13	50	68	3.47	20	2.50	20
I274403		<0.5	6.92	7	1570	2.1	<2	2.62	<0.5	15	47	52	3.48	20	2.34	20
I274404		<0.5	6.94	<5	1320	2.1	<2	4.49	<0.5	19	48	141	4.41	20	2.40	30
I274405		<0.5	7.46	<5	1750	3.3	<2	2.48	<0.5	16	58	295	3.85	20	3.17	30
I274406		<0.5	6.70	6	1540	2.2	3	2.69	<0.5	14	50	55	3.52	20	2.42	20
I274407		<0.5	7.01	7	1790	3.9	2	2.82	<0.5	18	52	247	4.28	20	3.26	30
I274408		<0.5	7.10	5	1820	4.6	<2	3.01	<0.5	17	67	196	4.21	20	3.27	20
I274409		<0.5	6.98	9	1870	4.7	<2	2.73	<0.5	12	56	67	3.19	20	3.08	20
I274410		<0.5	6.91	11	2810	5.5	<2	2.54	<0.5	12	56	80	2.72	20	3.50	20
I274411		<0.5	6.69	14	2540	4.9	2	3.47	<0.5	11	51	74	2.89	20	3.58	20
I274412		<0.5	6.85	<5	2090	5.1	<2	3.16	<0.5	12	48	54	3.37	20	3.85	20
I274413		<0.5	7.08	5	1870	4.3	<2	4.90	<0.5	22	53	85	4.87	20	4.10	30
I274414		<0.5	6.85	8	1520	4.2	<2	4.75	<0.5	19	42	53	4.35	20	3.58	30
I274415		<0.5	6.76	6	1500	3.1	<2	5.94	<0.5	21	48	60	4.74	20	3.27	30
I274416		<0.5	6.52	<5	1680	3.7	<2	3.52	<0.5	15	46	57	3.65	20	3.15	30
I274417		<0.5	7.01	9	1760	3.8	4	4.00	<0.5	15	41	87	3.78	20	3.29	30
I274418		<0.5	6.87	8	1720	3.5	<2	3.15	<0.5	11	48	105	3.33	20	2.97	20
I274419		<0.5	6.87	9	1950	3.1	<2	3.07	<0.5	13	52	65	3.49	20	3.25	20
I274420		<0.5	6.71	7	1790	2.5	<2	3.65	<0.5	14	49	56	3.51	20	3.21	20
I274421		<0.5	6.92	8	1810	2.3	<2	3.12	<0.5	14	55	61	3.60	20	3.14	20
I274422		<0.5	7.16	11	1700	2.9	<2	2.74	<0.5	15	48	45	3.63	20	3.08	20
I274423		<0.5	7.38	9	2020	3.6	<2	2.19	<0.5	15	53	73	3.62	20	3.28	20
I274424		<0.5	7.36	5	2940	3.5	<2	2.44	<0.5	13	54	54	3.82	20	2.87	20
I274425		<0.5	0.36	<5	20	<0.5	<2	34.7	<0.5	<1	4	2	0.38	<10	0.20	<10
I274426		1.1	7.81	91	140	4.5	5	2.32	<0.5	20	68	84	5.66	20	3.73	10
I274427		<0.5	7.09	5	1880	2.9	<2	2.66	<0.5	15	52	66	3.65	20	2.62	20
I274428		<0.5	7.02	<5	2170	2.1	<2	2.41	<0.5	14	50	65	3.64	20	2.36	20
I274429		<0.5	7.16	<5	1850	2.7	<2	2.62	<0.5	13	47	64	3.40	20	2.73	20
I274430		<0.5	6.86	8	1690	3.2	<2	3.01	<0.5	15	47	48	3.63	20	2.63	20
I274431		<0.5	6.68	9	1810	3.4	<2	3.35	<0.5	15	49	65	3.80	20	2.73	20
I274432		<0.5	6.91	8	1910	3.0	<2	2.98	<0.5	14	49	57	3.54	20	2.62	30
I274433		<0.5	6.70	11	1870	3.2	<2	3.22	<0.5	16	52	70	4.03	20	2.68	30
I274434		<0.5	6.71	9	1510	3.1	<2	2.81	<0.5	9	55	67	2.96	20	2.43	30
I274435		<0.5	6.91	15	2130	5.0	<2	2.96	<0.5	19	62	154	4.55	20	3.43	30
I274436		<0.5	6.50	17	1760	3.5	<2	3.24	<0.5	18	58	100	3.53	20	2.88	30
I274437		<0.5	7.11	18	1930	3.5	<2	2.52	<0.5	13	60	98	3.35	20	3.52	30
I274438		<0.5	6.55	19	1910	3.4	<2	2.78	<0.5	12	57	92	3.07	20	3.47	20
I274439		<0.5	6.60	18	1960	3.5	<2	3.00	<0.5	13	46	54	3.37	20	2.56	20

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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

Project: MU

CERTIFICATE OF ANALYSIS SD14052598

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
I274400		0.47	314	<1	0.02	1	180	<2	0.16	<5	1	431	<20	0.02	<10	<10
I274401		1.95	495	1	3.22	81	1090	35	0.01	<5	6	335	<20	0.59	<10	<10
I274402		1.12	708	1	2.96	14	1040	21	0.21	<5	10	966	<20	0.21	<10	<10
I274403		1.15	725	1	2.96	14	970	25	0.25	<5	10	955	<20	0.20	<10	<10
I274404		1.86	1020	1	2.42	16	1240	52	0.17	<5	16	1380	<20	0.26	<10	<10
I274405		1.27	761	2	2.11	20	1110	46	0.27	<5	12	918	<20	0.24	<10	<10
I274406		1.10	797	1	2.98	14	960	33	0.21	<5	9	1120	<20	0.20	<10	<10
I274407		1.26	819	2	2.12	20	1360	41	0.25	<5	12	1185	<20	0.25	<10	<10
I274408		1.26	798	1	2.48	20	1320	35	0.29	<5	13	1360	<20	0.26	<10	<10
I274409		1.12	667	1	2.60	18	860	30	0.35	<5	9	1205	<20	0.21	<10	<10
I274410		1.17	573	<1	1.64	17	800	25	0.47	<5	7	715	<20	0.20	<10	<10
I274411		1.63	704	<1	1.07	17	790	44	0.34	<5	8	848	<20	0.19	<10	<10
I274412		1.40	690	<1	1.07	15	900	26	0.26	<5	10	1040	<20	0.23	<10	<10
I274413		2.09	1125	<1	0.31	26	1400	15	0.10	5	19	1415	<20	0.35	<10	<10
I274414		2.01	1035	<1	1.10	33	1150	10	0.08	<5	13	1350	<20	0.26	<10	<10
I274415		2.65	1120	<1	1.19	26	1340	47	0.09	<5	17	1750	<20	0.30	<10	<10
I274416		1.66	669	<1	1.44	18	1040	19	0.13	<5	12	1115	<20	0.24	<10	<10
I274417		1.80	972	1	1.82	15	1010	29	0.34	<5	10	1365	<20	0.23	<10	<10
I274418		1.40	779	4	2.23	15	960	27	0.25	<5	9	1195	<20	0.21	<10	<10
I274419		1.45	789	1	1.97	17	990	38	0.27	<5	10	1180	<20	0.22	<10	<10
I274420		1.49	860	1	2.11	17	970	13	0.22	<5	9	1230	<20	0.22	<10	<10
I274421		1.27	803	1	2.26	17	1050	15	0.21	<5	10	1095	<20	0.23	<10	<10
I274422		1.04	765	<1	2.11	18	1020	10	0.16	<5	10	854	<20	0.20	<10	<10
I274423		1.09	595	1	1.90	20	1030	27	0.23	<5	10	824	<20	0.22	<10	<10
I274424		1.30	741	1	2.58	18	1090	60	0.23	<5	11	1035	<20	0.22	<10	<10
I274425		0.49	324	<1	0.03	2	170	3	0.16	<5	1	443	<20	0.02	<10	<10
I274426		1.78	456	1	3.52	73	1010	59	3.04	<5	5	328	<20	0.54	<10	<10
I274427		1.27	814	1	2.96	16	1050	17	0.30	<5	10	1165	<20	0.22	<10	<10
I274428		1.37	749	1	2.88	14	1000	19	0.22	<5	10	1110	<20	0.21	<10	<10
I274429		1.27	732	1	2.78	13	980	13	0.29	<5	10	1140	<20	0.21	<10	<10
I274430		1.40	870	3	2.84	16	990	12	0.24	<5	9	1415	<20	0.22	<10	<10
I274431		1.39	891	1	2.75	16	1130	17	0.29	<5	11	1525	<20	0.22	<10	<10
I274432		1.29	870	1	2.91	16	970	12	0.27	<5	10	1320	<20	0.19	<10	<10
I274433		1.38	900	1	2.70	19	1280	25	0.25	<5	14	1385	<20	0.22	<10	<10
I274434		1.23	719	<1	2.92	16	860	25	0.20	<5	9	1280	<20	0.18	<10	<10
I274435		1.76	959	1	2.16	24	1430	43	0.28	<5	16	1370	<20	0.24	<10	<10
I274436		1.46	846	6	2.25	25	1040	40	0.46	<5	11	1305	<20	0.20	<10	<10
I274437		1.22	633	1	1.53	19	870	62	0.39	<5	9	878	<20	0.18	<10	<10
I274438		1.21	735	1	1.41	17	810	31	0.43	<5	8	1000	<20	0.18	<10	<10
I274439		1.29	834	1	3.21	15	910	34	0.40	<5	9	1350	<20	0.19	<10	<10

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KIRKLAND LAKE ON P2N 3L1

Finalized Date: 11-APR-2014
Account: OSIKLI

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CERTIFICATE OF ANALYSIS SD14052598

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
I274400		6	<10	13
I274401		77	<10	45
I274402		126	<10	80
I274403		125	<10	78
I274404		154	10	104
I274405		139	10	97
I274406		119	10	71
I274407		157	<10	92
I274408		155	<10	84
I274409		113	<10	78
I274410		104	10	68
I274411		99	10	69
I274412		129	10	74
I274413		174	10	87
I274414		144	10	74
I274415		154	10	89
I274416		123	10	76
I274417		127	<10	79
I274418		112	<10	66
I274419		126	<10	79
I274420		123	<10	73
I274421		129	<10	75
I274422		122	10	76
I274423		133	10	91
I274424		140	10	103
I274425		7	<10	13
I274426		70	<10	98
I274427		131	<10	89
I274428		119	10	114
I274429		122	<10	83
I274430		122	10	77
I274431		151	10	85
I274432		119	<10	73
I274433		168	<10	84
I274434		107	<10	55
I274435		212	<10	99
I274436		147	<10	77
I274437		110	<10	55
I274438		102	<10	63
I274439		116	<10	63

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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
I274440		<0.5	6.94	13	2140	3.9	<2	2.65	<0.5	13	50	57	3.54	20	3.00	30
I274441		<0.5	6.65	10	1620	2.2	<2	4.35	<0.5	15	44	66	3.99	20	2.73	30
I274442		<0.5	6.77	8	1850	3.6	<2	3.33	<0.5	17	57	115	3.77	20	3.39	20

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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	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
I274440		1.28	785	1	2.75	15	960	54	0.37	<5	10	1160	<20	0.19	<10	<10
I274441		1.92	1075	<1	2.28	16	1140	31	0.16	<5	13	1685	<20	0.21	<10	<10
I274442		1.58	960	<1	1.91	20	1050	22	0.33	<5	11	1250	<20	0.20	<10	<10

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CERTIFICATE OF ANALYSIS SD14052598

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
I274440		124	<10	69
I274441		131	<10	89
I274442		134	<10	78

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CERTIFICATE OF ANALYSIS SD14052598

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method: FND-02 ME-ICP61