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 SD14052609

Project: MU

P.O. No.: KL 000348

This report is for 146 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 SD14052609

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
I276295		1.0	8.03	26	2280	3.8	<2	1.96	<0.5	14	20	76	4.00	20	5.48	50
I276296		0.7	7.85	13	2490	3.8	<2	2.29	<0.5	15	20	72	4.06	20	5.30	50
I276297		0.6	8.36	21	2390	4.0	<2	2.62	<0.5	15	22	78	4.17	20	5.36	50
I276298		1.2	7.60	18	2350	3.7	<2	2.19	<0.5	14	20	78	3.99	20	5.31	40
I276299		1.0	8.30	42	2710	3.9	<2	1.97	<0.5	15	22	76	3.92	20	5.76	50
I276300		<0.5	0.38	<5	20	<0.5	<2	36.9	<0.5	<1	6	2	0.39	<10	0.21	10
I276301		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
I276302		0.7	7.32	23	2080	4.3	<2	3.72	<0.5	13	18	76	4.59	20	5.39	40
I276303		1.0	8.51	13	2210	4.9	<2	2.88	<0.5	13	20	89	4.36	20	5.40	50
I276304		0.8	8.37	14	2340	4.5	<2	3.26	<0.5	17	20	111	4.12	20	5.34	50
I276305		0.8	8.12	9	2380	3.9	<2	3.06	<0.5	12	20	78	3.97	20	5.69	50
I276306		0.9	8.65	9	2310	4.8	<2	2.78	<0.5	13	20	74	4.08	20	4.93	50
I276307		0.9	9.18	14	2530	5.1	<2	2.29	<0.5	13	20	92	4.03	20	4.83	60
I276308		<0.5	9.39	28	2310	5.6	<2	2.02	<0.5	14	23	87	4.45	20	4.75	70
I276309		<0.5	8.42	26	2730	5.1	<2	2.44	<0.5	13	31	79	4.13	20	4.83	50
I276310		<0.5	8.23	24	2500	5.0	<2	2.83	<0.5	15	21	76	4.33	20	5.74	50
I276311		<0.5	7.65	19	2510	4.7	<2	3.48	<0.5	13	19	78	4.54	10	5.29	40
I276312		<0.5	7.93	19	2970	4.4	<2	3.11	<0.5	13	19	73	4.34	20	5.10	50
I276313		<0.5	7.49	17	2810	4.6	<2	3.17	<0.5	11	18	78	4.08	20	5.55	40
I276314		<0.5	8.55	19	3270	4.4	<2	2.39	<0.5	12	20	68	4.05	20	5.10	60
I276315		<0.5	9.57	52	1990	5.3	<2	1.85	<0.5	17	20	73	5.04	20	5.31	80
I276316		<0.5	9.04	24	2020	4.6	<2	2.54	<0.5	13	21	76	4.27	20	5.10	60
I276317		<0.5	8.60	21	2260	4.9	<2	2.84	<0.5	14	20	82	4.20	20	5.55	50
I276318		<0.5	8.03	17	2540	4.2	<2	3.20	<0.5	14	20	84	4.51	20	5.57	50
I276319		<0.5	8.51	17	2540	4.2	<2	2.51	<0.5	13	22	74	4.07	20	5.56	60
I276320		<0.5	9.33	21	2530	4.5	<2	2.35	<0.5	14	20	79	4.20	20	5.99	60
I276321		<0.5	7.79	22	2000	3.9	3	2.58	<0.5	11	18	72	4.11	20	5.05	50
I276322		<0.5	7.30	24	1990	3.0	<2	3.94	<0.5	12	18	67	3.96	20	4.43	50
I276323		<0.5	8.98	25	2500	4.0	3	2.32	<0.5	14	20	77	4.17	20	5.53	60
I276324		<0.5	8.71	20	2540	4.0	3	2.21	<0.5	12	19	78	3.95	20	5.26	60
I276325		<0.5	0.40	<5	20	<0.5	<2	37.0	<0.5	<1	6	3	0.43	<10	0.23	<10
I276326		<0.5	8.23	<5	160	4.1	<2	2.75	<0.5	23	80	44	3.82	20	4.58	10
I276327		<0.5	8.72	21	2160	3.8	<2	2.76	<0.5	13	20	80	4.31	20	4.85	50
I276328		<0.5	8.75	23	2280	3.9	<2	2.90	<0.5	14	20	77	4.27	20	5.36	60
I276329		<0.5	8.81	17	2320	4.2	<2	2.62	<0.5	13	20	79	4.25	20	5.23	50
I276330		<0.5	8.90	15	2400	3.6	<2	2.59	<0.5	14	20	76	4.50	20	5.62	60
I276331		<0.5	8.71	16	2440	4.0	<2	2.62	<0.5	13	19	78	4.32	20	5.75	60
I276332		<0.5	8.67	14	2540	4.0	<2	2.39	<0.5	12	24	84	4.17	20	4.72	50
I276333		<0.5	8.69	11	2450	4.3	<2	2.38	<0.5	13	19	78	4.27	20	4.79	50
I276334		<0.5	8.02	8	2390	4.1	<2	3.11	<0.5	13	20	75	4.41	20	5.35	50

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CERTIFICATE OF ANALYSIS SD14052609

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
I276295		0.75	799	1	2.18	7	1890	47	1.36	11	5	1260	20	0.27	<10	<10
I276296		0.80	872	1	2.38	6	1910	38	0.64	<5	5	1375	20	0.27	10	<10
I276297		0.91	880	1	2.55	8	2000	23	0.57	<5	5	1530	20	0.27	10	<10
I276298		0.73	837	1	2.42	7	1960	27	0.15	<5	5	1255	20	0.27	<10	<10
I276299		0.91	855	1	1.90	9	1980	52	0.29	6	5	1240	20	0.24	<10	<10
I276300		0.48	313	<1	0.03	<1	190	4	0.17	<5	1	438	<20	0.02	<10	<10
I276301		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
I276302		1.55	1270	<1	1.28	13	1840	53	0.35	6	5	1960	20	0.25	<10	<10
I276303		1.25	1080	<1	1.09	8	1870	61	0.19	10	5	1435	20	0.28	<10	<10
I276304		1.24	984	<1	0.97	9	1860	15	0.16	8	5	1685	20	0.29	10	<10
I276305		1.11	949	<1	1.60	7	1930	80	0.03	10	5	1580	20	0.28	<10	<10
I276306		1.33	900	<1	0.85	10	1850	98	0.05	9	6	1505	20	0.29	<10	<10
I276307		1.25	829	<1	0.69	11	1740	94	0.09	13	6	1365	20	0.28	<10	<10
I276308		1.34	895	<1	0.80	9	2180	42	0.12	11	6	1140	20	0.28	<10	<10
I276309		1.30	999	<1	0.90	9	1990	70	0.05	6	6	1425	20	0.26	<10	<10
I276310		1.43	1130	<1	0.93	12	1970	34	0.07	11	5	1630	20	0.26	<10	<10
I276311		1.52	1330	<1	1.32	9	1950	30	0.06	11	5	1925	20	0.26	<10	<10
I276312		1.28	1240	<1	1.57	9	1950	61	0.26	6	5	1750	20	0.25	<10	<10
I276313		1.16	1075	<1	1.42	9	1830	44	0.02	9	4	1775	20	0.24	<10	<10
I276314		1.07	984	<1	1.06	7	1920	31	0.15	9	5	1675	20	0.25	<10	<10
I276315		1.03	699	<1	1.40	10	1810	84	1.80	12	6	1115	30	0.27	<10	<10
I276316		1.07	980	<1	2.58	8	1830	34	0.43	9	6	1445	20	0.28	<10	<10
I276317		1.26	983	<1	1.53	7	1760	44	0.15	10	6	1635	20	0.28	<10	<10
I276318		1.40	1155	<1	1.61	8	1920	21	0.36	6	5	1985	20	0.25	<10	<10
I276319		1.08	1065	<1	1.50	7	1970	26	0.33	8	5	1890	20	0.26	<10	<10
I276320		1.18	931	<1	1.74	7	2060	36	0.44	8	6	1470	20	0.28	<10	<10
I276321		1.12	1025	1	1.80	6	1710	38	0.65	<5	5	1510	20	0.24	<10	<10
I276322		1.22	1350	1	2.70	6	1790	53	0.36	<5	4	2120	20	0.23	<10	<10
I276323		0.87	928	2	2.37	8	1960	53	0.84	<5	6	3570	30	0.27	<10	<10
I276324		0.74	877	1	2.42	7	1920	43	0.64	6	5	2730	30	0.27	<10	<10
I276325		0.52	329	<1	0.03	4	210	<2	0.19	<5	1	442	<20	0.02	<10	<10
I276326		2.14	543	<1	3.58	89	1180	36	0.01	13	6	363	<20	0.67	<10	<10
I276327		0.82	968	<1	3.04	9	1980	45	1.54	10	5	2590	20	0.28	<10	<10
I276328		1.06	949	1	2.46	7	1940	51	1.24	11	5	1755	20	0.28	<10	<10
I276329		1.00	991	<1	1.78	8	2020	22	0.18	8	5	2600	20	0.29	<10	<10
I276330		0.98	1045	<1	2.28	7	2080	38	0.46	9	6	1610	20	0.28	<10	<10
I276331		1.05	1025	<1	1.87	8	2000	27	0.23	7	5	1575	20	0.29	<10	<10
I276332		0.97	925	<1	1.57	8	1980	28	0.18	11	5	1400	20	0.28	<10	<10
I276333		1.00	957	<1	1.54	12	1970	26	0.08	10	5	1325	20	0.28	<10	<10
I276334		1.14	1075	<1	1.71	9	1950	44	0.95	6	5	1645	20	0.27	<10	<10

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CERTIFICATE OF ANALYSIS SD14052609

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
I276295		103	<10	73
I276296		102	<10	92
I276297		106	<10	103
I276298		107	<10	102
I276299		104	<10	93
I276300		6	<10	12
I276301		NSS	NSS	NSS
I276302		105	<10	93
I276303		110	<10	52
I276304		109	<10	53
I276305		104	<10	74
I276306		111	<10	69
I276307		108	<10	85
I276308		113	<10	99
I276309		109	<10	110
I276310		103	<10	94
I276311		103	<10	100
I276312		103	<10	110
I276313		99	<10	109
I276314		100	<10	79
I276315		108	<10	89
I276316		104	<10	100
I276317		106	<10	99
I276318		103	<10	91
I276319		99	<10	93
I276320		105	<10	115
I276321		96	<10	106
I276322		92	10	117
I276323		107	10	106
I276324		105	<10	94
I276325		6	<10	13
I276326		84	<10	48
I276327		101	<10	100
I276328		104	<10	90
I276329		109	<10	103
I276330		100	<10	101
I276331		108	<10	95
I276332		108	<10	102
I276333		108	<10	118
I276334		106	<10	100

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CERTIFICATE OF ANALYSIS SD14052609

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
I276335		<0.5	8.92	16	2360	4.8	<2	2.74	<0.5	15	21	88	4.26	20	5.50	50
I276336		<0.5	8.53	12	2170	4.4	<2	3.09	<0.5	11	20	74	4.15	20	5.15	50
I276337		<0.5	8.51	14	2210	4.2	<2	2.74	<0.5	12	20	74	4.26	20	5.04	50
I276338		0.5	8.63	10	2180	4.3	<2	2.83	<0.5	16	21	96	4.40	30	4.95	50
I276339		0.5	9.22	<5	2620	4.1	<2	2.48	<0.5	15	22	82	4.42	20	5.32	60
I276340		<0.5	7.49	<5	2500	3.5	<2	3.17	<0.5	13	20	75	4.18	20	4.73	40
I276341		<0.5	7.45	<5	2250	3.4	<2	3.37	<0.5	14	19	69	4.35	20	4.45	40
I276342		<0.5	6.74	7	5480	1.4	<2	2.51	<0.5	11	16	50	3.40	10	6.46	40
I276343		<0.5	9.47	7	2620	5.0	2	1.20	<0.5	17	22	78	4.41	20	5.98	80
I276344		<0.5	8.61	<5	3060	4.0	<2	2.30	<0.5	13	22	84	4.18	20	5.45	60
I276345		0.7	8.77	10	2960	4.7	<2	1.62	<0.5	16	26	80	4.17	20	5.60	60
I276346		0.7	8.80	24	2310	4.6	<2	2.52	<0.5	16	23	85	4.65	20	5.18	60
I276347		1.3	7.34	152	1680	3.0	<2	6.05	<0.5	25	120	76	4.87	20	4.15	70
I276348		0.6	7.42	60	1440	2.9	<2	5.15	<0.5	20	84	92	4.84	20	3.94	60
I276349		0.5	7.72	45	1650	3.0	<2	4.21	<0.5	20	108	90	5.26	20	3.93	50
I276350		<0.5	0.38	<5	20	<0.5	<2	37.6	<0.5	1	5	3	0.40	<10	0.21	10
I276351		1.2	7.88	91	140	4.3	4	2.47	0.5	20	69	78	5.79	20	3.79	10
I276352		<0.5	7.09	50	1470	2.3	<2	4.47	<0.5	23	122	87	5.36	20	2.99	30
I276353		0.6	6.92	89	1420	2.3	<2	5.66	<0.5	24	113	66	5.21	20	3.03	40
I276354		1.6	6.95	406	810	2.2	<2	6.71	<0.5	25	96	97	5.16	20	3.19	50
I276355		1.1	6.68	245	1440	2.9	<2	6.34	<0.5	24	102	68	5.23	20	3.98	40
I276356		<0.5	9.44	45	2480	5.2	<2	1.86	<0.5	15	24	98	4.24	20	5.77	70
I276357		0.6	8.96	60	2400	4.2	<2	2.17	<0.5	16	24	88	4.19	20	5.23	60
I276358		0.7	7.59	148	2150	2.9	<2	3.96	<0.5	20	99	90	4.52	20	5.28	60
I276359		0.5	7.53	54	1330	3.4	<2	3.51	<0.5	19	102	63	4.58	20	4.52	40
I276360		<0.5	7.02	62	1160	2.4	<2	5.42	0.5	20	105	82	5.18	20	3.63	40
I276361		<0.5	6.96	66	1200	2.3	<2	5.42	<0.5	21	107	71	5.27	20	3.65	40
I276362		<0.5	6.66	56	1210	2.4	<2	6.28	<0.5	21	85	61	4.67	20	3.73	30
I276363		<0.5	6.88	69	1240	2.3	<2	5.18	<0.5	22	104	78	5.10	20	3.46	40
I276364		<0.5	7.10	66	1240	2.4	<2	6.00	<0.5	20	104	87	4.92	20	3.91	40
I276365		0.6	6.00	159	1300	1.7	<2	5.94	<0.5	20	91	30	4.89	10	3.94	30
I276366		1.2	7.38	398	520	1.9	<2	5.78	<0.5	24	109	70	5.52	20	3.51	40
I276367		1.2	7.33	455	450	1.9	<2	4.94	<0.5	24	100	48	5.49	20	4.20	40
I276368		1.2	6.93	394	870	2.0	<2	6.21	<0.5	21	82	40	5.08	20	4.37	30
I276369		1.0	5.97	233	1030	2.3	<2	9.02	<0.5	15	53	20	4.36	20	4.03	40
I276370		1.2	6.85	184	1040	2.8	<2	7.51	<0.5	13	28	18	4.21	20	5.06	70
I276371		0.8	8.12	158	1230	4.0	<2	2.66	<0.5	19	27	42	3.90	20	5.62	70
I276372		1.0	7.62	172	1660	4.1	<2	3.90	<0.5	16	38	74	4.21	20	5.55	50
I276373		0.7	8.45	277	2820	4.0	<2	2.05	<0.5	17	37	78	4.34	20	5.71	60
I276374		<0.5	8.90	201	690	4.1	<2	1.34	<0.5	15	23	59	4.05	20	4.73	80

***** 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: 11-APR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS SD14052609

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
I276335		0.99	1030	<1	1.83	9	1950	43	0.27	10	6	1390	20	0.29	<10	<10
I276336		0.89	999	<1	2.51	7	2310	38	0.28	8	6	1515	20	0.29	10	<10
I276337		0.90	1045	<1	2.68	8	1870	29	0.13	9	6	1420	20	0.29	<10	<10
I276338		0.94	1055	<1	2.84	7	1860	32	0.17	<5	6	1400	20	0.27	<10	<10
I276339		0.82	957	1	3.07	7	2080	26	0.07	<5	6	1285	20	0.30	<10	<10
I276340		0.92	995	<1	2.87	6	1930	26	0.09	<5	5	1660	20	0.27	<10	<10
I276341		1.25	1195	1	2.79	6	1900	53	0.20	<5	5	1900	20	0.25	<10	<10
I276342		0.90	1135	2	1.63	5	1530	67	0.04	<5	4	1990	20	0.15	<10	<10
I276343		1.12	940	2	1.86	10	2260	13	0.02	10	6	818	20	0.27	<10	<10
I276344		1.08	922	2	2.29	8	2070	46	0.06	<5	6	1380	20	0.28	<10	<10
I276345		1.15	964	2	1.65	7	2110	25	0.11	6	6	954	20	0.27	<10	<10
I276346		1.40	1075	1	1.87	10	2140	15	0.57	<5	6	1300	20	0.28	<10	<10
I276347		2.93	1200	4	1.00	82	2600	35	2.06	9	11	2390	20	0.26	<10	<10
I276348		2.73	1170	2	1.09	37	1370	28	0.70	6	14	1700	20	0.29	<10	10
I276349		2.39	1060	1	1.71	33	1350	21	0.38	11	16	1260	<20	0.32	<10	<10
I276350		0.53	329	<1	0.03	<1	230	4	0.17	<5	1	454	<20	0.02	<10	<10
I276351		1.84	445	2	3.58	73	980	56	2.99	<5	5	327	<20	0.53	10	<10
I276352		2.26	1025	<1	2.19	34	1410	24	0.22	5	20	1285	<20	0.31	<10	<10
I276353		2.77	1200	1	1.95	33	1390	47	0.59	7	19	1500	<20	0.32	<10	10
I276354		3.35	1205	3	2.00	43	1530	87	3.18	7	19	1495	20	0.30	<10	<10
I276355		3.19	1245	3	0.61	44	1500	77	1.89	10	17	1935	20	0.26	<10	<10
I276356		1.22	830	2	1.79	10	2200	26	0.97	<5	7	998	20	0.30	<10	<10
I276357		1.25	973	1	2.36	11	2150	32	1.03	7	6	1120	20	0.29	<10	<10
I276358		2.01	987	1	0.61	47	2030	40	1.83	10	12	1765	20	0.27	<10	<10
I276359		2.27	840	1	0.31	27	1340	7	0.09	<5	18	1155	<20	0.31	<10	10
I276360		2.75	1105	2	1.32	30	1320	9	0.23	6	18	1735	<20	0.29	<10	<10
I276361		2.73	1065	1	1.15	29	1330	14	0.27	<5	19	1640	<20	0.30	<10	10
I276362		2.93	1145	1	0.82	25	1190	5	0.05	<5	17	1780	<20	0.26	<10	<10
I276363		2.62	1095	2	1.38	29	1290	6	0.07	<5	19	1500	<20	0.30	<10	<10
I276364		2.82	1130	1	1.00	27	1290	5	0.28	<5	19	1720	<20	0.29	<10	10
I276365		2.55	1010	2	1.08	28	1370	19	1.97	<5	18	2060	<20	0.25	<10	<10
I276366		2.84	1135	3	2.77	36	1510	34	4.08	6	21	1490	<20	0.33	<10	10
I276367		2.52	943	3	2.39	36	1440	65	4.74	15	20	1250	<20	0.30	<10	<10
I276368		3.31	1065	4	1.95	29	1190	83	4.20	26	18	1790	<20	0.27	<10	10
I276369		4.90	1325	34	1.34	20	1130	81	2.79	7	12	2840	20	0.20	<10	10
I276370		4.16	1090	82	1.05	17	1570	89	2.86	9	7	2560	30	0.21	<10	<10
I276371		1.50	671	26	0.31	14	2030	54	2.32	<5	7	1545	20	0.25	<10	10
I276372		2.14	1065	2	0.73	13	1730	30	1.96	<5	7	1685	20	0.25	<10	<10
I276373		1.46	905	2	0.72	15	2130	45	1.76	6	7	1380	20	0.24	<10	<10
I276374		1.12	612	2	1.21	13	1970	44	2.41	11	6	1000	20	0.23	<10	<10

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North Vancouver BC V7H 0A7
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KIRKLAND LAKE ON P2N 3L1

Finalized Date: 11-APR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS SD14052609

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
I276335		114	<10	115
I276336		111	<10	113
I276337		107	<10	70
I276338		110	<10	90
I276339		111	<10	119
I276340		102	<10	106
I276341		97	<10	87
I276342		47	<10	94
I276343		120	<10	86
I276344		108	<10	102
I276345		112	<10	100
I276346		111	<10	102
I276347		123	10	60
I276348		165	<10	56
I276349		189	<10	97
I276350		6	<10	16
I276351		68	<10	90
I276352		170	10	88
I276353		161	<10	87
I276354		174	10	124
I276355		146	10	98
I276356		123	10	64
I276357		122	10	83
I276358		127	10	86
I276359		162	<10	76
I276360		159	10	107
I276361		163	<10	99
I276362		148	<10	86
I276363		162	<10	92
I276364		167	10	71
I276365		149	10	85
I276366		168	20	124
I276367		157	20	104
I276368		151	20	98
I276369		125	20	129
I276370		111	10	94
I276371		136	10	88
I276372		120	10	94
I276373		125	10	103
I276374		114	<10	93

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CERTIFICATE OF ANALYSIS SD14052609

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
I276375		<0.5	0.37	<5	20	<0.5	<2	36.9	<0.5	<1	5	3	0.42	<10	0.21	<10
I276376		<0.5	7.81	<5	150	3.8	<2	2.59	<0.5	20	79	40	3.57	20	4.35	10
I276377		<0.5	8.77	302	940	3.3	<2	1.60	<0.5	13	24	119	3.84	20	4.35	70
I276378		<0.5	7.29	206	850	3.1	<2	3.45	<0.5	16	109	40	3.78	20	4.19	40
I276379		<0.5	6.72	122	1260	2.5	<2	3.28	<0.5	11	136	23	2.77	20	3.18	20
I276380		<0.5	7.54	161	1490	2.4	<2	2.49	<0.5	15	98	32	3.29	20	4.37	30
I276381		<0.5	9.62	142	1460	4.5	<2	1.09	<0.5	16	28	97	4.22	20	4.49	70
I276382		<0.5	6.81	125	1700	2.9	2	3.24	<0.5	13	108	32	3.27	20	4.05	30
I276383		<0.5	6.70	83	1210	2.9	<2	2.90	<0.5	12	161	33	2.73	20	3.39	20
I276384		<0.5	6.96	113	1420	2.8	<2	3.11	<0.5	14	146	39	2.81	20	3.55	20
I276385		<0.5	7.20	97	1610	2.7	<2	3.18	<0.5	13	146	27	2.62	20	3.67	20
I276386		<0.5	7.07	27	1790	2.8	<2	2.93	<0.5	12	151	17	2.81	20	4.12	20
I276387		<0.5	6.70	11	1530	2.6	<2	3.51	<0.5	14	152	21	2.99	20	3.29	20
I276388		<0.5	6.71	18	1550	3.0	<2	3.19	<0.5	12	148	26	2.79	20	3.62	20
I276389		<0.5	7.17	<5	2840	2.3	<2	2.72	<0.5	16	209	28	3.25	20	2.64	30
I276390		<0.5	7.12	<5	2810	2.3	<2	2.47	<0.5	14	161	18	3.05	20	2.60	30
I276391		<0.5	6.94	<5	3250	1.9	<2	2.68	<0.5	14	159	25	3.23	20	2.18	30
I276392		<0.5	6.68	<5	2130	1.9	<2	2.62	<0.5	13	153	13	2.98	20	2.41	20
I276393		<0.5	6.69	<5	1380	2.6	<2	2.86	<0.5	12	155	28	2.81	20	3.59	30
I276394		0.5	6.99	71	1010	2.5	<2	3.72	<0.5	16	168	20	3.33	20	4.61	20
I276395		<0.5	7.31	165	1230	2.2	<2	4.36	<0.5	16	186	27	3.42	30	3.81	30
I276396		<0.5	7.18	163	1270	2.4	<2	4.19	<0.5	16	196	31	3.49	20	3.84	30
I276397		<0.5	6.28	143	1120	2.8	<2	3.51	<0.5	14	149	21	2.77	20	4.11	20
I276398		<0.5	6.71	55	1430	2.4	<2	3.88	<0.5	13	148	30	2.91	20	4.12	30
I276399		<0.5	6.88	33	1760	3.0	<2	3.24	<0.5	15	162	24	3.00	20	4.70	20
I276400		<0.5	0.35	<5	40	<0.5	<2	36.0	<0.5	<1	4	2	0.43	<10	0.20	<10
I276401		1.0	7.68	89	140	4.3	2	2.34	0.6	19	65	80	5.66	20	3.65	10
I276402		<0.5	6.57	16	1460	2.2	<2	3.24	<0.5	13	154	40	2.89	20	3.08	20
I276403		<0.5	7.03	5	1650	2.3	<2	2.24	<0.5	16	200	31	3.27	20	2.77	20
I276404		<0.5	6.75	<5	1830	3.0	2	2.42	<0.5	17	197	19	3.25	20	2.63	20
I276405		<0.5	6.65	<5	1840	2.4	<2	2.88	<0.5	16	189	22	3.16	20	3.01	20
I276406		<0.5	6.88	<5	1530	2.2	<2	3.01	<0.5	20	227	23	3.48	20	2.39	30
I276407		<0.5	6.59	<5	1560	2.3	<2	3.43	<0.5	24	313	25	3.98	20	2.35	30
I276408		<0.5	6.61	<5	1580	2.1	<2	3.14	<0.5	20	260	11	3.71	20	2.26	30
I276409		<0.5	7.01	5	1300	2.3	<2	3.55	<0.5	21	265	22	4.02	20	2.34	40
I276410		<0.5	6.51	<5	1130	2.1	3	3.36	<0.5	21	264	26	3.56	20	2.30	30
I276411		<0.5	6.51	<5	1300	2.0	<2	3.36	<0.5	21	273	8	3.59	20	2.36	30
I276412		<0.5	6.50	6	1370	2.0	<2	3.19	<0.5	21	260	8	3.53	20	2.28	30
I276413		<0.5	6.53	<5	1890	2.2	<2	3.50	<0.5	21	261	33	3.58	20	2.82	30
I276414		<0.5	6.55	8	2290	2.4	<2	3.76	<0.5	19	258	72	3.56	20	3.32	30

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Finalized Date: 11-APR-2014
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CERTIFICATE OF ANALYSIS SD14052609

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
I276375		0.53	330	<1	0.02	4	210	<2	0.19	<5	1	439	<20	0.02	<10	<10
I276376		2.03	515	<1	3.35	85	1120	35	0.01	6	6	340	<20	0.62	<10	<10
I276377		1.03	668	4	1.82	13	1910	50	2.34	10	6	1145	20	0.23	<10	<10
I276378		1.77	728	1	2.28	47	1630	44	2.47	7	7	1895	<20	0.21	<10	<10
I276379		1.68	615	<1	3.08	47	1140	27	1.14	9	8	1900	<20	0.17	<10	<10
I276380		1.31	718	3	1.80	32	1370	128	1.53	10	8	1740	<20	0.17	<10	<10
I276381		1.11	560	5	1.61	19	2250	44	2.31	11	7	878	20	0.27	<10	<10
I276382		1.66	675	1	2.16	40	1270	36	1.39	10	8	1845	<20	0.19	<10	10
I276383		1.65	567	<1	2.56	53	1180	17	0.30	5	8	1450	<20	0.19	<10	<10
I276384		1.74	571	<1	2.66	55	1190	22	0.89	9	9	1420	<20	0.20	<10	<10
I276385		1.72	550	<1	2.88	61	1250	16	1.15	8	9	1355	<20	0.20	<10	<10
I276386		1.67	495	<1	2.45	56	1230	16	0.98	10	9	1245	<20	0.20	<10	<10
I276387		2.10	623	<1	2.62	56	1170	9	0.36	6	9	1660	<20	0.18	<10	<10
I276388		1.95	549	<1	2.53	57	1190	17	0.32	10	9	1500	<20	0.19	<10	<10
I276389		2.58	563	<1	3.37	78	1250	10	0.07	9	10	1500	<20	0.18	<10	10
I276390		2.44	513	<1	3.48	66	1230	8	0.05	6	9	1545	<20	0.17	<10	<10
I276391		2.69	589	<1	3.41	63	1230	18	0.07	7	10	1770	<20	0.17	<10	<10
I276392		2.37	569	<1	3.33	60	1170	3	0.03	7	9	1465	<20	0.18	<10	<10
I276393		2.18	522	<1	2.37	60	1190	4	0.12	7	9	1185	<20	0.20	<10	<10
I276394		2.15	619	1	1.88	69	1260	46	2.43	7	10	1200	<20	0.21	<10	<10
I276395		2.30	661	<1	3.15	78	1350	36	2.53	9	11	1285	<20	0.21	<10	<10
I276396		2.20	654	<1	2.96	79	1390	19	2.34	9	11	1165	<20	0.21	<10	<10
I276397		2.15	565	3	1.36	65	1100	47	1.68	11	9	765	<20	0.19	<10	<10
I276398		2.06	654	<1	2.30	56	1180	10	1.09	6	9	1085	<20	0.19	<10	<10
I276399		2.00	591	<1	2.33	64	1240	19	1.10	8	9	1285	<20	0.22	<10	<10
I276400		0.53	317	<1	0.03	4	170	<2	0.18	<5	1	434	<20	0.02	<10	<10
I276401		1.78	447	<1	3.50	74	980	54	3.05	7	5	317	<20	0.55	<10	<10
I276402		2.10	560	<1	3.16	69	1160	22	0.40	8	9	1025	<20	0.20	<10	<10
I276403		2.19	480	<1	3.56	79	1340	6	0.02	6	10	976	<20	0.23	<10	<10
I276404		2.29	530	<1	3.59	76	1330	6	0.04	8	10	1450	<20	0.21	<10	<10
I276405		2.36	581	<1	3.19	77	1270	2	0.01	8	10	933	<20	0.21	<10	<10
I276406		2.84	627	<1	3.49	95	1360	5	0.01	10	11	1535	<20	0.23	<10	<10
I276407		3.26	693	<1	3.24	129	1470	8	0.01	8	13	980	<20	0.26	<10	<10
I276408		3.24	657	<1	3.19	106	1460	7	0.02	7	13	938	<20	0.25	<10	<10
I276409		3.08	702	<1	3.70	110	1570	10	0.01	14	14	1280	<20	0.27	<10	<10
I276410		3.04	664	<1	3.23	101	1400	8	0.01	<5	13	1010	<20	0.24	<10	<10
I276411		3.21	645	<1	3.15	100	1420	8	0.01	<5	13	763	<20	0.24	<10	<10
I276412		3.37	605	<1	2.99	99	1410	10	0.01	<5	13	755	<20	0.25	<10	<10
I276413		3.05	653	<1	2.66	99	1420	7	0.02	<5	13	907	<20	0.24	<10	<10
I276414		2.90	663	1	2.27	98	1410	15	0.04	<5	13	725	<20	0.25	<10	<10

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Project: MU

CERTIFICATE OF ANALYSIS SD14052609

Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
I276375		7	<10	21
I276376		78	<10	44
I276377		104	10	103
I276378		92	<10	99
I276379		75	<10	72
I276380		75	<10	110
I276381		126	<10	82
I276382		79	<10	73
I276383		81	<10	44
I276384		82	<10	59
I276385		82	<10	36
I276386		85	10	49
I276387		75	<10	63
I276388		78	<10	61
I276389		88	<10	96
I276390		81	<10	79
I276391		81	<10	89
I276392		75	<10	89
I276393		77	<10	90
I276394		75	<10	50
I276395		71	<10	90
I276396		79	<10	62
I276397		74	<10	78
I276398		78	<10	53
I276399		84	<10	63
I276400		6	<10	14
I276401		69	<10	97
I276402		81	<10	65
I276403		89	<10	99
I276404		91	<10	88
I276405		87	<10	73
I276406		90	<10	83
I276407		107	<10	85
I276408		100	<10	82
I276409		110	<10	78
I276410		97	<10	75
I276411		101	<10	77
I276412		97	<10	83
I276413		98	<10	73
I276414		97	<10	70

***** 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: 11-APR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS SD14052609

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
I276415		<0.5	6.39	5	1440	2.4	<2	3.82	<0.5	20	246	31	3.51	20	2.96	30
I276416		<0.5	6.58	7	1480	2.1	<2	3.43	<0.5	22	263	35	3.55	20	2.88	30
I276417		<0.5	6.30	5	1160	2.1	<2	3.79	<0.5	21	270	19	3.57	20	2.72	30
I276418		<0.5	6.23	6	1370	2.2	<2	3.27	<0.5	21	255	25	3.42	20	2.65	30
I276419		<0.5	6.60	5	1420	1.9	<2	3.38	<0.5	22	250	26	3.48	20	2.64	30
I276420		<0.5	6.68	9	1680	2.0	<2	3.23	<0.5	21	245	57	3.51	20	2.98	30
I276421		<0.5	6.52	15	1760	2.1	<2	3.87	<0.5	20	234	65	3.51	20	3.01	30
I276422		<0.5	6.77	<5	1630	2.3	<2	3.45	<0.5	22	247	35	3.53	20	2.80	30
I276423		<0.5	6.76	<5	1810	2.2	<2	3.38	<0.5	19	237	30	3.47	20	3.05	30
I276424		<0.5	6.62	<5	2090	2.1	<2	3.40	<0.5	19	235	41	3.39	20	2.79	30
I276425		<0.5	0.41	<5	20	<0.5	<2	35.4	<0.5	<1	7	2	0.40	<10	0.22	10
I276426		<0.5	7.88	<5	140	3.8	2	2.71	<0.5	22	79	38	3.48	20	4.39	10
I276427		<0.5	6.76	<5	2040	2.2	<2	3.24	<0.5	20	241	41	3.53	20	2.62	30
I276428		<0.5	6.89	16	3040	2.2	<2	3.38	<0.5	20	243	69	3.59	20	2.62	30
I276429		<0.5	6.96	9	1860	2.4	<2	3.35	<0.5	20	232	48	3.56	20	2.65	30
I276430		<0.5	6.73	<5	1850	2.1	<2	3.25	<0.5	20	241	29	3.51	20	2.82	30
I276431		<0.5	6.73	6	1440	2.3	<2	3.50	<0.5	21	243	22	3.53	20	2.95	30
I276432		<0.5	6.75	21	2480	2.8	<2	3.39	<0.5	22	259	126	3.49	20	3.25	30
I276433		<0.5	6.72	5	1520	2.1	<2	3.33	<0.5	18	239	13	3.42	20	2.88	30
I276434		<0.5	6.56	<5	1530	2.4	<2	3.24	<0.5	20	226	12	3.41	20	2.84	30
I276435		<0.5	6.73	6	1480	2.1	<2	3.22	<0.5	22	249	8	3.52	20	2.61	30
I276436		<0.5	6.71	<5	1430	2.3	<2	3.40	<0.5	20	243	23	3.53	20	2.74	30
I276437		<0.5	6.76	<5	1360	2.1	<2	3.34	<0.5	21	259	22	3.56	20	3.09	30
I276438		<0.5	6.33	<5	1720	1.9	<2	4.02	<0.5	19	224	4	3.50	20	2.17	30
I276439		<0.5	6.68	8	1300	1.7	<2	3.03	<0.5	22	236	15	3.55	20	2.37	30
I276440		<0.5	6.46	9	1160	2.1	<2	3.48	<0.5	20	238	33	3.35	20	2.73	30

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KIRKLAND LAKE ON P2N 3L1

Finalized Date: 11-APR-2014
Account: OSIKLI

Project: MU

CERTIFICATE OF ANALYSIS SD14052609

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
I276415		3.08	667	<1	2.36	95	1390	13	0.01	<5	12	825	<20	0.25	<10	<10
I276416		2.89	590	<1	2.59	103	1410	10	0.02	<5	13	1645	<20	0.24	<10	<10
I276417		3.28	681	<1	2.34	105	1350	9	0.01	<5	12	1065	<20	0.23	<10	<10
I276418		3.02	589	<1	2.42	95	1320	3	0.02	<5	12	709	<20	0.21	<10	<10
I276419		3.09	623	<1	2.78	96	1400	4	0.04	<5	13	1300	<20	0.24	<10	<10
I276420		3.06	635	<1	2.48	94	1390	21	0.09	<5	12	1555	<20	0.23	<10	<10
I276421		2.90	745	<1	2.49	88	1380	72	0.19	<5	12	1480	<20	0.23	<10	<10
I276422		3.04	633	<1	2.60	96	1440	9	0.06	<5	13	1680	<20	0.24	<10	<10
I276423		2.94	645	1	2.55	89	1380	3	0.06	<5	12	1630	<20	0.24	<10	<10
I276424		2.88	619	<1	2.72	90	1350	6	0.09	<5	12	2180	<20	0.24	<10	<10
I276425		0.53	314	<1	0.03	<1	220	3	0.17	<5	1	440	<20	0.02	<10	<10
I276426		2.01	483	<1	3.29	82	1110	32	0.01	<5	6	347	<20	0.61	<10	<10
I276427		3.09	617	<1	2.74	91	1350	9	0.10	<5	14	2350	<20	0.26	<10	<10
I276428		3.14	678	4	2.92	90	1390	37	0.28	<5	12	4050	20	0.23	<10	<10
I276429		3.11	646	<1	2.95	89	1370	11	0.11	<5	12	2010	<20	0.23	<10	<10
I276430		2.93	621	<1	2.88	90	1380	6	0.08	<5	12	1870	<20	0.22	<10	<10
I276431		2.73	629	<1	2.87	94	1390	6	0.04	<5	12	1200	<20	0.23	<10	<10
I276432		2.82	651	1	2.64	94	1420	31	0.22	<5	12	2660	<20	0.23	<10	<10
I276433		2.84	632	<1	2.90	90	1380	5	0.05	<5	12	1325	<20	0.23	<10	<10
I276434		2.96	618	<1	2.70	85	1320	4	0.04	<5	12	1285	<20	0.22	<10	<10
I276435		3.14	570	<1	2.88	96	1400	6	0.05	<5	13	1370	<20	0.26	<10	<10
I276436		2.96	641	<1	2.83	91	1410	6	0.04	<5	12	1245	<20	0.24	<10	<10
I276437		2.75	621	<1	2.82	95	1420	3	0.02	<5	12	887	<20	0.23	<10	<10
I276438		3.41	710	<1	2.73	92	1300	4	0.08	<5	12	2090	<20	0.23	<10	<10
I276439		3.11	554	<1	2.72	94	1380	9	0.04	<5	12	1175	<20	0.24	<10	<10
I276440		3.04	633	<1	2.28	90	1350	20	0.06	<5	12	979	<20	0.25	<10	<10

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Sample Description	Method Analyte Units LOR	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
I276415		95	<10	73
I276416		97	<10	75
I276417		92	<10	77
I276418		89	<10	71
I276419		98	<10	75
I276420		99	<10	80
I276421		93	<10	64
I276422		94	<10	77
I276423		95	<10	74
I276424		91	<10	77
I276425		7	<10	14
I276426		78	<10	45
I276427		100	<10	87
I276428		96	<10	84
I276429		97	<10	83
I276430		98	<10	76
I276431		95	<10	70
I276432		103	<10	71
I276433		95	<10	67
I276434		91	<10	70
I276435		97	<10	80
I276436		94	<10	73
I276437		97	<10	71
I276438		88	<10	87
I276439		90	<10	97
I276440		92	<10	87

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CERTIFICATE OF ANALYSIS SD14052609

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.

Applies to Method: ALL METHODS

LABORATORY ADDRESSES

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

Applies to Method: FND-02 ME-ICP61