



ALS Canada Ltd.

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To: ALEXCO RESOURCE CORP.

SUITE 1225, TWO BENTALL CENTRE

555 BURNARD STREET - BOX 216

VANCOUVER BC V7X 1M9

Page: 1

Total # Pages: 3 (A - D)

Plus Appendix Pages

Finalized Date: 27-SEP-2019

Account: ALERES

CERTIFICATE WH19225246

Project: Keno Hill

P.O. No.: 19748 CC 1620-3000-300 surface

This report is for 52 Soil samples submitted to our lab in Whitehorse, YT, Canada on 7-SEP-2019.

The following have access to data associated with this certificate:

SEYMOUR ILES

AL MCONIE

KENO PROJECT

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS41L	Super Trace Lowest DL AR by ICP-MS

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:

Saa Traxler, General Manager, North Vancouver



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CERTIFICATE OF ANALYSIS WH19225246

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-MS41L Au ppm 0.0002	ME-MS41L Ag ppm 0.001	ME-MS41L Al % 0.01	ME-MS41L As ppm 0.01	ME-MS41L B ppm 10	ME-MS41L Ba ppm 0.5	ME-MS41L Be ppm 0.01	ME-MS41L Bi ppm 0.0005	ME-MS41L Ca % 0.01	ME-MS41L Cd ppm 0.001	ME-MS41L Ce ppm 0.003	ME-MS41L Co ppm 0.001	ME-MS41L Cr ppm 0.01	ME-MS41L Cs ppm 0.005
E020441		0.13	0.0026	0.708	1.27	10.95	<10	597	0.29	0.169	0.48	0.586	23.8	10.70	22.9	0.958
E020442		0.24	0.0024	0.763	1.41	13.15	<10	654	0.29	0.171	0.47	0.731	23.9	12.15	23.1	1.035
E020443		0.51	0.0038	0.795	1.50	12.80	<10	680	0.29	0.195	0.35	0.334	25.3	9.77	24.9	1.300
E020444		0.26	0.0032	0.597	1.38	14.45	<10	473	0.23	0.189	0.23	0.253	24.7	10.50	25.1	1.195
E020445		0.23	0.0038	0.645	1.47	38.8	<10	595	0.30	0.188	0.21	0.296	29.8	8.81	26.0	1.130
E020446		0.41	0.0068	0.656	1.32	153.0	<10	691	0.25	0.183	0.40	0.456	23.6	9.53	22.4	1.070
E020447		0.21	0.0304	1.755	1.66	446	<10	720	0.40	0.222	0.97	2.22	27.2	15.30	26.2	2.13
E020448		0.09	0.0021	0.374	0.62	8.56	<10	404	0.22	0.0904	1.96	0.527	12.15	4.28	10.70	0.495
E020449		0.43	0.0023	0.820	1.22	31.4	<10	230	0.32	0.217	0.15	0.472	32.4	8.30	21.2	1.830
E020450		0.23	0.0013	0.550	1.19	16.10	<10	190.0	0.33	0.193	0.13	0.678	24.7	8.44	18.80	1.540
E020451		0.28	0.0025	0.531	1.22	28.1	<10	220	0.35	0.160	0.14	0.533	26.7	9.47	22.4	1.230
E020452		0.56	0.0058	0.373	1.34	15.45	<10	276	0.31	0.155	0.11	0.233	29.9	8.93	23.0	0.890
E020453		0.55	0.0038	0.380	1.37	15.50	<10	194.0	0.26	0.194	0.09	0.236	26.0	5.59	23.6	0.993
E020454		0.45	0.0031	0.483	1.37	19.00	<10	290	0.37	0.183	0.19	1.005	32.3	9.79	22.7	0.994
E020455		0.39	0.0030	0.451	1.43	19.85	<10	259	0.36	0.189	0.21	0.505	29.7	8.76	23.6	0.977
E020456		0.46	0.0035	0.544	1.28	22.8	<10	169.5	0.28	0.200	0.27	0.345	26.9	6.78	24.3	1.150
E020457		0.55	0.0033	0.538	1.16	19.00	<10	160.0	0.31	0.175	0.33	0.666	28.3	9.47	22.7	1.060
E020458		0.55	0.0034	0.617	1.23	16.95	<10	197.0	0.29	0.177	0.37	0.469	25.7	7.23	21.8	1.455
E020459		0.44	0.0039	0.546	1.16	15.75	<10	232	0.32	0.224	0.34	0.667	29.0	10.75	24.2	1.590
E020460		0.36	0.0057	1.475	1.46	18.50	<10	390	0.38	0.274	0.83	0.500	22.5	8.08	24.2	2.89
E020461		0.50	0.0031	0.990	1.37	20.2	<10	258	0.42	0.234	0.34	0.732	33.0	13.70	23.8	2.48
E020462		0.48	0.0021	0.541	1.10	16.10	<10	194.0	0.32	0.210	0.13	0.812	34.1	12.50	22.0	1.835
E020463		0.36	0.0046	1.255	1.53	20.3	<10	816	0.37	0.265	0.51	0.779	25.8	9.00	24.1	2.72
E020464		0.48	0.0040	0.951	1.18	18.05	<10	507	0.24	0.213	0.13	0.424	20.1	6.44	22.8	1.690
E020465		0.36	0.0035	0.439	0.91	23.3	<10	91.6	0.22	0.231	0.08	0.596	26.4	9.24	23.4	2.38
E020466		0.49	0.0126	0.946	1.03	70.0	<10	230	0.20	0.269	0.05	0.364	31.4	7.86	19.90	2.74
E020467		0.49	0.0017	0.371	1.28	23.8	<10	173.5	0.26	0.349	0.20	0.431	18.85	14.75	22.2	2.31
E020468		0.47	0.0020	0.370	1.36	36.8	<10	104.0	0.31	0.345	0.21	0.901	41.6	24.6	18.40	2.59
E020469		0.42	0.0027	0.641	1.16	33.0	<10	81.8	0.27	0.212	0.12	0.463	29.4	12.65	21.1	1.330
E020470		0.43	0.0042	1.085	1.27	41.6	<10	101.0	0.39	0.250	0.13	0.831	36.9	13.15	20.4	1.220
E020471		0.50	0.0020	0.650	1.36	53.9	<10	159.0	0.67	0.380	0.25	1.590	37.4	34.4	19.30	1.615
E020472		0.44	0.0032	0.452	1.32	24.8	<10	89.0	0.26	0.195	0.08	0.310	29.3	9.21	21.2	1.300
E020473		0.39	0.0044	0.330	1.55	18.65	<10	193.5	0.27	0.212	0.10	0.245	26.4	6.09	26.8	1.340
E020474		0.36	0.0049	0.606	1.28	15.95	<10	307	0.19	0.235	0.07	0.333	20.2	5.35	23.1	1.470
E020475		0.46	0.0049	0.604	1.41	18.90	<10	121.5	0.26	0.201	0.08	0.430	26.9	6.58	27.1	1.395
E020476		0.42	0.0037	0.374	1.27	16.80	<10	136.5	0.30	0.175	0.09	0.355	29.7	5.83	22.7	1.195
E020477		0.35	0.0018	0.616	0.98	16.20	<10	113.5	0.18	0.165	0.08	0.647	18.55	4.26	17.85	1.200
E020478		0.56	0.0022	0.575	1.08	12.80	<10	166.0	0.27	0.142	0.14	0.367	27.3	5.77	20.1	1.095
E020479		0.51	0.0022	0.488	1.22	14.10	<10	128.0	0.28	0.157	0.09	0.508	25.3	6.29	21.9	1.170
E020480		0.52	0.0046	0.493	1.39	63.2	<10	97.1	0.45	0.289	0.15	1.310	40.4	21.7	20.5	1.620



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CERTIFICATE OF ANALYSIS WH19225246

Sample Description	Method Analyte Units LOD	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
		Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm 0.01	% 0.001	ppm 0.004	ppm 0.005	ppm 0.002	ppm 0.004	ppm 0.005	% 0.01	ppm 0.002	ppm 0.1	% 0.01	ppm 0.1	ppm 0.01	% 0.001
E020441		21.6	2.09	4.10	0.049	0.020	0.086	0.020	0.04	13.55	12.7	0.33	1020	2.10	0.007
E020442		22.3	2.43	4.27	0.049	0.027	0.105	0.022	0.04	12.95	13.5	0.35	2150	1.93	0.007
E020443		21.9	2.58	4.54	0.051	0.025	0.116	0.024	0.04	13.75	16.5	0.39	674	2.50	0.008
E020444		22.7	2.54	4.46	0.048	0.018	0.092	0.024	0.04	13.60	15.7	0.40	463	2.91	0.006
E020445		30.8	2.35	4.49	0.057	0.029	0.097	0.024	0.04	16.35	16.6	0.40	311	3.28	0.007
E020446		17.60	2.34	4.15	0.047	0.024	0.108	0.021	0.04	13.25	15.3	0.36	699	2.97	0.006
E020447		41.0	2.87	4.41	0.063	0.043	0.108	0.030	0.05	16.55	19.0	0.38	1910	3.26	0.009
E020448		22.9	1.050	1.810	0.038	0.031	0.116	0.012	0.02	7.47	5.4	0.16	190.5	0.89	0.008
E020449		27.6	2.67	5.07	0.060	0.007	0.064	0.027	0.04	18.95	12.9	0.23	598	2.27	0.003
E020450		19.30	2.30	5.01	0.045	0.003	0.067	0.022	0.04	14.45	11.7	0.20	617	1.59	0.005
E020451		29.7	2.57	3.99	0.054	0.011	0.053	0.020	0.03	14.90	14.0	0.29	478	2.35	0.005
E020452		38.1	2.58	4.10	0.055	0.014	0.053	0.021	0.04	16.10	14.5	0.40	455	2.73	0.004
E020453		31.7	2.56	4.67	0.049	0.007	0.067	0.019	0.04	14.15	13.1	0.39	267	3.60	0.004
E020454		35.4	2.89	4.19	0.060	0.018	0.052	0.027	0.04	17.90	15.0	0.42	813	3.68	0.006
E020455		34.1	2.84	4.49	0.058	0.013	0.049	0.023	0.04	15.90	15.2	0.44	548	3.04	0.006
E020456		29.5	2.74	4.59	0.051	0.004	0.054	0.020	0.04	14.70	14.0	0.37	347	3.49	0.006
E020457		35.1	3.06	3.75	0.060	0.005	0.055	0.027	0.04	15.80	18.3	0.38	630	4.09	0.006
E020458		26.0	2.55	4.04	0.053	0.002	0.070	0.026	0.04	14.00	18.9	0.35	414	4.25	0.006
E020459		39.7	3.29	4.14	0.059	0.006	0.062	0.029	0.04	15.90	17.5	0.30	776	7.06	0.006
E020460		44.3	3.51	4.22	0.061	0.044	0.179	0.037	0.04	14.10	18.7	0.28	477	7.90	0.006
E020461		33.0	3.33	3.71	0.068	0.014	0.107	0.030	0.04	20.2	16.4	0.29	938	4.44	0.005
E020462		30.5	3.16	3.07	0.066	0.027	0.113	0.025	0.03	18.90	16.1	0.25	803	3.06	0.004
E020463		52.3	3.11	4.62	0.056	0.009	0.130	0.026	0.05	15.80	17.7	0.35	720	2.84	0.007
E020464		49.4	2.60	3.93	0.047	0.005	0.087	0.023	0.04	11.05	12.9	0.35	454	4.50	0.006
E020465		48.2	3.34	3.96	0.057	0.005	0.058	0.032	0.03	14.05	11.7	0.19	543	4.24	0.004
E020466		70.6	3.27	3.69	0.058	0.014	0.075	0.030	0.03	17.55	13.7	0.28	966	7.07	0.005
E020467		45.2	4.84	3.73	0.071	0.085	0.112	0.025	0.04	9.57	23.3	0.63	434	10.25	0.052
E020468		83.4	5.71	3.24	0.085	0.090	0.096	0.022	0.03	22.3	25.5	0.65	1080	12.85	0.006
E020469		31.5	3.14	4.14	0.056	0.008	0.051	0.029	0.04	15.40	13.5	0.37	636	6.00	0.007
E020470		51.7	4.08	3.62	0.067	0.011	0.076	0.028	0.03	20.0	15.1	0.40	620	9.29	0.004
E020471		84.7	6.50	2.94	0.096	0.067	0.120	0.031	0.03	20.5	20.3	0.59	1720	18.35	0.003
E020472		31.8	3.55	4.49	0.057	0.007	0.042	0.023	0.03	15.05	13.1	0.37	582	4.84	0.005
E020473		44.6	2.70	4.71	0.052	0.011	0.053	0.020	0.04	13.50	14.3	0.42	284	3.74	0.004
E020474		30.7	2.60	4.68	0.045	0.006	0.075	0.021	0.04	10.30	10.6	0.32	296	7.17	0.007
E020475		51.8	2.97	4.26	0.058	0.008	0.086	0.028	0.04	13.65	13.0	0.37	263	6.27	0.007
E020476		31.7	2.60	3.85	0.055	0.006	0.095	0.022	0.04	14.70	11.5	0.32	290	5.46	0.005
E020477		19.35	2.13	3.98	0.041	0.003	0.096	0.016	0.04	9.56	7.6	0.23	376	3.12	0.006
E020478		23.2	2.27	3.18	0.054	0.007	0.062	0.020	0.04	15.00	14.4	0.30	419	1.84	0.005
E020479		23.0	2.35	3.77	0.050	0.004	0.067	0.021	0.04	13.30	11.7	0.32	384	1.69	0.005
E020480		43.9	4.33	3.41	0.082	0.047	0.101	0.024	0.04	20.7	18.5	0.42	953	8.48	0.007



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		Ni	P	Pb	Pd	Pt	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
		ppm 0.04	% 0.001	ppm 0.005	ppm 0.001	ppm 0.002	ppm 0.005	ppm 0.0002	% 0.01	ppm 0.005	ppm 0.005	ppm 0.003	ppm 0.01	ppm 0.01	ppm 0.005
E020441		19.60	0.094	22.8	<0.001	<0.002	7.29	0.0006	0.06	1.030	2.90	0.918	0.29	29.1	<0.005
E020442		19.45	0.101	20.9	0.001	<0.002	8.26	0.0006	0.06	0.929	3.00	0.949	0.31	25.9	<0.005
E020443		21.1	0.101	17.50	0.001	<0.002	8.25	0.0020	0.04	0.934	3.00	1.185	0.32	22.8	<0.005
E020444		20.0	0.077	15.65	0.001	<0.002	7.00	0.0005	0.02	0.904	2.66	0.883	0.34	18.80	<0.005
E020445		20.8	0.083	20.2	0.001	<0.002	7.32	0.0011	0.02	1.100	3.40	1.030	0.34	16.80	<0.005
E020446		20.4	0.087	20.3	0.001	<0.002	7.58	0.0019	0.03	0.823	2.74	1.075	0.32	29.9	<0.005
E020447		43.4	0.115	33.9	0.004	<0.002	11.55	0.0017	0.07	2.08	3.31	2.87	0.37	73.0	<0.005
E020448		14.00	0.098	6.97	<0.001	<0.002	2.24	0.0005	0.15	0.574	1.535	1.380	0.16	114.5	<0.005
E020449		24.5	0.073	26.0	<0.001	<0.002	7.07	0.0002	0.01	1.270	1.915	0.670	0.38	16.70	<0.005
E020450		15.75	0.058	19.05	0.001	<0.002	8.04	<0.0002	0.02	0.801	1.470	0.378	0.43	13.85	<0.005
E020451		24.9	0.064	20.4	<0.001	<0.002	6.95	<0.0002	0.01	1.230	1.930	0.607	0.34	14.55	<0.005
E020452		21.9	0.062	14.95	0.004	<0.002	6.09	<0.0002	<0.01	0.951	2.92	0.399	0.31	12.55	<0.005
E020453		18.30	0.064	18.70	0.003	<0.002	7.05	<0.0002	0.01	1.160	1.745	0.638	0.33	12.60	<0.005
E020454		31.3	0.091	20.5	0.003	<0.002	6.64	0.0003	<0.01	1.545	3.19	0.483	0.33	17.40	<0.005
E020455		25.1	0.087	21.2	0.002	<0.002	7.18	0.0005	0.01	1.325	3.10	0.662	0.35	19.50	<0.005
E020456		20.3	0.074	35.3	0.004	<0.002	8.05	0.0015	0.01	1.700	1.770	1.380	0.40	19.75	<0.005
E020457		25.5	0.098	24.8	0.002	<0.002	5.78	0.0012	0.01	1.490	2.24	1.630	0.28	25.7	<0.005
E020458		22.5	0.082	27.9	<0.001	<0.002	8.04	0.0022	0.02	1.315	1.925	1.265	0.36	27.5	<0.005
E020459		31.6	0.086	25.6	<0.001	<0.002	6.63	0.0013	0.02	1.580	1.885	1.620	0.32	25.8	<0.005
E020460		35.5	0.129	25.3	0.001	<0.002	6.57	0.0059	0.07	1.730	2.24	3.62	0.33	42.7	<0.005
E020461		37.2	0.117	25.0	0.001	<0.002	6.42	0.0005	0.02	1.725	2.46	0.934	0.25	19.70	<0.005
E020462		38.5	0.107	21.1	0.002	<0.002	4.67	0.0002	0.01	1.440	2.10	0.899	0.19	12.20	<0.005
E020463		28.5	0.114	33.1	0.004	<0.002	9.04	0.0005	0.05	2.04	1.885	1.145	0.35	32.6	<0.005
E020464		19.40	0.094	23.6	0.002	<0.002	7.38	0.0002	0.04	1.595	1.205	0.873	0.25	16.45	<0.005
E020465		28.1	0.107	21.8	0.001	<0.002	5.71	<0.0002	0.03	2.01	1.035	1.360	0.27	11.95	<0.005
E020466		26.0	0.086	20.9	0.003	<0.002	5.28	0.0002	0.03	2.67	1.340	1.565	0.22	12.20	<0.005
E020467		41.8	0.147	30.6	<0.001	<0.002	3.38	0.0003	0.27	2.52	1.830	1.750	0.11	117.5	<0.005
E020468		66.8	0.176	29.0	<0.001	<0.002	2.49	0.0003	0.03	2.80	2.24	1.360	0.08	33.3	<0.005
E020469		26.7	0.120	31.9	0.001	<0.002	6.22	0.0002	0.03	1.860	0.850	0.909	0.28	14.20	<0.005
E020470		39.6	0.134	41.3	0.001	<0.002	4.82	0.0002	0.02	2.38	1.620	1.310	0.25	13.15	<0.005
E020471		96.2	0.228	34.7	0.002	<0.002	2.40	0.0003	0.02	2.64	2.42	1.675	0.08	19.75	<0.005
E020472		18.15	0.087	29.9	0.002	<0.002	6.50	0.0002	0.02	2.10	1.365	0.979	0.30	13.10	<0.005
E020473		19.50	0.063	19.90	0.004	<0.002	8.21	<0.0002	0.01	1.520	2.22	0.472	0.40	12.45	<0.005
E020474		16.80	0.073	22.5	0.002	<0.002	8.39	<0.0002	0.03	1.710	1.100	0.674	0.41	11.75	<0.005
E020475		25.5	0.075	20.0	0.004	<0.002	7.07	0.0002	0.02	1.960	2.09	1.010	0.35	12.05	<0.005
E020476		20.6	0.058	28.1	0.001	<0.002	6.93	<0.0002	0.01	1.860	1.990	0.571	0.35	11.15	<0.005
E020477		13.50	0.067	24.7	<0.001	<0.002	10.20	<0.0002	0.03	1.450	1.145	0.504	0.37	12.00	<0.005
E020478		19.55	0.060	29.2	<0.001	<0.002	5.87	<0.0002	<0.01	1.710	2.31	0.748	0.27	18.55	<0.005
E020479		20.2	0.061	22.4	0.001	<0.002	7.30	<0.0002	0.01	1.705	1.885	0.423	0.34	19.50	<0.005
E020480		51.7	0.144	36.0	<0.001	<0.002	5.78	<0.0002	0.02	3.39	1.990	1.185	0.23	15.85	<0.005



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Sample Description	Method Analyte Units LOD	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
		Th	Ti	Ti	U	V	W	Y	Zn
		ppm 0.002	% 0.001	ppm 0.001	ppm 0.005	ppm 0.1	ppm 0.001	ppm 0.003	ppm 0.1
E020441		1.775	0.024	0.096	1.160	36.0	0.204	7.45	90.5
E020442		1.685	0.022	0.109	1.205	34.4	0.200	7.05	94.1
E020443		2.08	0.021	0.104	1.260	37.3	0.200	6.53	105.0
E020444		2.45	0.027	0.096	0.973	38.3	0.262	4.17	87.8
E020445		3.17	0.029	0.097	1.555	39.5	0.203	6.64	94.4
E020446		2.14	0.022	0.098	1.270	36.6	0.327	6.00	108.5
E020447		1.720	0.018	0.153	1.630	36.2	0.300	15.45	197.0
E020448		0.705	0.015	0.043	0.890	13.3	0.079	6.83	49.4
E020449		1.125	0.027	0.087	1.160	41.3	0.284	7.06	95.0
E020450		0.511	0.026	0.085	0.894	39.3	0.202	4.98	59.5
E020451		1.395	0.030	0.070	0.972	38.4	0.187	5.25	100.5
E020452		1.735	0.033	0.071	1.110	39.2	0.419	6.98	76.6
E020453		0.539	0.027	0.083	1.095	39.6	0.214	4.15	75.2
E020454		2.09	0.039	0.089	1.555	39.8	0.258	9.72	134.0
E020455		1.745	0.040	0.094	1.435	40.6	0.275	8.16	108.5
E020456		0.723	0.034	0.102	1.130	41.8	0.260	4.68	102.0
E020457		1.225	0.030	0.076	1.320	37.0	0.196	6.94	127.0
E020458		0.677	0.027	0.103	1.110	37.2	0.218	5.76	113.0
E020459		0.971	0.025	0.111	1.350	36.2	0.186	7.37	154.5
E020460		1.355	0.013	0.131	2.04	33.1	0.162	10.60	155.0
E020461		2.01	0.016	0.087	1.720	30.8	0.143	10.20	148.0
E020462		2.83	0.014	0.075	1.485	24.9	0.107	8.58	137.5
E020463		0.867	0.016	0.124	1.345	33.3	0.165	9.81	131.5
E020464		0.359	0.016	0.088	1.275	32.5	0.136	4.08	78.6
E020465		0.694	0.018	0.077	1.285	32.4	0.161	3.59	116.0
E020466		0.902	0.015	0.112	1.245	27.9	0.117	3.43	105.5
E020467		7.67	0.007	0.055	1.420	22.0	0.047	8.01	132.5
E020468		9.28	0.003	0.048	1.425	14.1	0.053	12.20	169.0
E020469		0.420	0.018	0.085	1.325	32.7	0.154	5.50	102.0
E020470		1.180	0.020	0.072	2.02	29.2	0.128	8.47	153.5
E020471		10.70	0.004	0.049	2.56	15.3	0.041	21.8	280
E020472		0.794	0.026	0.097	1.160	37.3	0.323	3.20	94.5
E020473		0.958	0.034	0.105	1.375	45.1	0.240	4.57	82.3
E020474		0.247	0.025	0.102	1.200	42.7	0.194	3.02	83.9
E020475		0.785	0.032	0.099	1.900	42.3	0.212	5.12	115.5
E020476		1.085	0.033	0.089	1.210	39.1	0.215	4.66	99.1
E020477		0.356	0.029	0.083	0.723	38.8	0.217	2.35	78.1
E020478		1.785	0.030	0.068	1.230	34.2	0.198	5.49	110.5
E020479		0.888	0.031	0.090	1.060	39.0	0.202	4.25	123.5
E020480		2.72	0.019	0.091	1.265	28.0	0.123	11.50	196.5



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Sample Description	Method Analyte Units LOD	WEI-21	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	
		Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		0.02	0.0002	0.001	0.01	0.01	10	0.5	0.01	0.0005	0.01	0.001	0.003	0.001	0.005	
E020481		0.49	0.0018	0.307	1.37	18.25	<10	121.5	0.32	0.221	0.08	0.476	31.7	6.11	1.390	
E020482		0.60	0.0019	0.419	1.39	40.2	<10	109.0	0.47	0.297	0.14	1.110	46.2	19.80	1.645	
E020483		0.59	0.0019	0.389	1.48	22.8	<10	105.0	0.38	0.225	0.11	0.417	37.9	7.53	1.175	
E020484		0.54	0.0019	0.330	1.53	24.5	<10	101.0	0.37	0.227	0.13	0.408	44.5	24.7	1.250	
E020485		0.50	0.0021	0.482	1.47	27.1	<10	107.0	0.38	0.231	0.11	0.528	43.9	23.7	1.405	
E020486		0.58	0.0036	0.480	1.47	25.0	<10	133.5	0.32	0.202	0.10	0.529	35.1	22.4	1.335	
E020487		0.53	0.0047	0.417	1.80	19.05	<10	129.0	0.38	0.227	0.13	0.348	38.1	25.3	1.520	
E020488		0.54	0.0025	0.371	1.44	17.35	<10	90.2	0.28	0.179	0.08	0.250	34.0	22.1	1.540	
E020489		0.50	0.0021	0.229	1.58	17.10	<10	158.5	0.33	0.207	0.13	0.359	48.3	25.8	1.240	
E020490		0.56	0.0020	0.204	1.52	15.70	<10	151.0	0.31	0.181	0.12	0.364	33.7	24.1	1.135	
E020491		0.60	0.0079	1.115	0.81	45.3	<10	187.5	0.24	0.313	0.09	4.90	40.3	17.15	1.945	
E020492		0.52	0.0029	0.665	1.23	13.15	<10	113.0	0.24	0.183	0.07	0.540	26.5	22.3	1.080	



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Sample Description	Method Analyte Units LOD	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
		Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.01	0.001	0.004	0.005	0.002	0.004	0.005	0.01	0.002	0.1	0.01	0.1	0.01	0.001
E020481		26.0	2.92	4.15	0.061	0.010	0.092	0.019	0.04	17.00	13.1	0.35	185.0	4.70	0.007
E020482		54.3	4.79	3.08	0.093	0.152	0.081	0.021	0.04	24.6	19.3	0.57	341	9.20	0.016
E020483		35.4	3.43	4.08	0.065	0.020	0.097	0.024	0.04	19.60	15.8	0.42	209	5.52	0.010
E020484		37.0	3.53	4.16	0.074	0.034	0.077	0.021	0.05	22.6	17.8	0.49	229	4.90	0.011
E020485		44.1	3.50	4.07	0.075	0.019	0.075	0.024	0.04	22.1	16.3	0.45	730	5.83	0.008
E020486		28.5	2.80	4.02	0.059	0.011	0.068	0.024	0.04	17.65	14.7	0.38	527	5.74	0.003
E020487		48.8	3.31	4.34	0.071	0.033	0.090	0.028	0.05	19.95	17.9	0.47	206	4.81	0.005
E020488		35.9	5.91	3.96	0.075	0.034	0.062	0.022	0.04	16.95	13.5	0.38	156.5	2.36	0.005
E020489		58.4	3.79	4.27	0.088	0.035	0.075	0.025	0.05	22.6	15.1	0.47	255	2.43	0.006
E020490		75.8	2.76	4.36	0.068	0.017	0.072	0.022	0.04	17.25	14.1	0.41	289	2.38	0.006
E020491		88.8	3.87	2.42	0.085	0.036	0.110	0.035	0.03	21.5	11.3	0.27	1470	12.55	0.004
E020492		33.9	2.44	4.05	0.049	0.006	0.049	0.020	0.04	13.95	11.1	0.31	331	4.43	0.004



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Sample Description	Method Analyte Units LOD	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
		Ni	P	Pb	Pd	Pt	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
		ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.04	0.001	0.005	0.001	0.002	0.005	0.0002	0.01	0.005	0.005	0.003	0.01	0.01	0.005
E020481		20.7	0.115	15.60	0.001	<0.002	5.92	<0.0002	0.05	1.360	0.807	0.763	0.31	12.75	<0.005
E020482		55.3	0.162	24.7	<0.001	<0.002	3.95	<0.0002	0.09	3.91	2.74	1.025	0.14	30.7	<0.005
E020483		26.3	0.131	16.40	<0.001	<0.002	6.79	<0.0002	0.05	1.350	1.045	0.876	0.29	15.30	<0.005
E020484		27.9	0.116	16.55	0.001	<0.002	6.70	<0.0002	0.05	1.890	1.980	0.890	0.31	16.40	<0.005
E020485		27.3	0.125	23.0	0.001	<0.002	7.31	<0.0002	0.03	2.16	1.450	0.989	0.30	21.1	<0.005
E020486		20.2	0.085	33.5	<0.001	<0.002	6.64	<0.0002	0.01	2.09	1.745	0.798	0.34	20.0	<0.005
E020487		23.8	0.106	19.95	<0.001	<0.002	7.56	0.0002	0.02	1.535	2.66	0.971	0.33	28.7	<0.005
E020488		17.80	0.096	19.85	0.001	<0.002	6.00	0.0002	0.03	1.610	2.23	1.220	0.31	22.7	<0.005
E020489		20.9	0.094	16.25	0.002	<0.002	7.46	<0.0002	0.02	1.340	3.79	0.538	0.36	19.30	<0.005
E020490		19.20	0.069	14.20	0.004	<0.002	7.42	<0.0002	0.01	1.075	3.26	0.461	0.33	14.60	<0.005
E020491		42.6	0.086	86.3	0.002	<0.002	3.37	0.0005	0.01	5.15	2.40	1.645	0.19	24.6	<0.005
E020492		17.85	0.056	24.7	0.003	<0.002	6.90	<0.0002	0.01	1.540	1.420	0.552	0.35	9.84	<0.005



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Sample Description	Method Analyte Units LOD	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
		Th	Ti	Tl	U	V	W	Y	Zn	Zr
		ppm 0.002	% 0.001	ppm 0.001	ppm 0.005	ppm 0.1	ppm 0.001	ppm 0.003	ppm 0.1	ppm 0.01
E020481		0.339	0.013	0.095	1.160	34.8	0.163	7.55	78.3	0.30
E020482		10.85	0.009	0.046	1.440	17.6	0.071	13.50	181.5	10.95
E020483		0.707	0.016	0.085	1.390	35.4	0.154	5.81	101.5	0.62
E020484		2.16	0.026	0.084	1.310	38.2	0.182	6.44	107.5	1.02
E020485		0.879	0.022	0.085	1.770	38.0	0.153	6.16	112.5	0.55
E020486		0.926	0.026	0.107	1.380	38.3	0.201	5.55	99.8	0.45
E020487		2.56	0.028	0.099	3.11	38.3	0.173	8.86	111.5	1.02
E020488		3.38	0.035	0.090	1.605	35.5	0.199	3.77	93.5	1.45
E020489		3.23	0.041	0.100	2.32	41.7	0.208	11.20	91.2	1.49
E020490		1.885	0.037	0.112	1.865	40.4	0.219	9.18	78.5	0.66
E020491		6.19	0.012	0.122	2.81	20.6	0.094	7.82	430	2.77
E020492		0.493	0.028	0.084	0.970	39.0	0.184	3.79	114.5	0.23



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CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).
ME-MS41 L

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
LOG-22 SCR-41 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
ME-MS41 L