



ALS USA Inc.
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To: RED RIVER CREEK MINING GROUP LLC
1712 CAREY AVENUE
SUITE 100
CHEYENNE WY 82001

Page: 1
Total # Pages: 5 (A - E)
Plus Appendix Pages
Finalized Date: 18-OCT-2020
This copy reported on
19-OCT-2020
Account: KEERRG

CERTIFICATE RE20185806

This report is for 132 Soil samples submitted to our lab in Reno, NV, USA on 26-AUG-2020.

The following have access to data associated with this certificate:

STEPHAN FINCH

LARRY MCMASTER

CHARLES REDDIEN

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize up to 250g 85% <75 um
CRU-31	Fine crushing - 70% <2mm
SND-ALS	Send samples to internal laboratory
DRY-22	Drying - Maximum Temp 60C
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES
Rh-MS25	Rh 30g FA ICP-MS	ICP-MS
Ag-AA45	Trace Ag - aqua regia/AAS	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
ME-MS61r	4A multi-element ICP-MS + REE	
ME-HAL01	Super Trace Halogens by IC + ICPMS	
HAL-PREP01	Heat treatment for ME-HAL01	WST-SEQ

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim 'or deposit has been determined based on the results of assays of multiple samples of geological materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project. Statement required by Nevada State Law NRS 519

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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Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-MS61r Ag ppm	ME-MS61r Al %	ME-MS61r As ppm	ME-MS61r Ba ppm	ME-MS61r Be ppm	ME-MS61r Bi ppm	ME-MS61r Ca %	ME-MS61r Cd ppm	ME-MS61r Ce ppm	ME-MS61r Co ppm	ME-MS61r Cr ppm	ME-MS61r Cs ppm	ME-MS61r Cu ppm	ME-MS61r Fe %
		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
157501		8.78	0.33	6.60	66.8	640	1.80	0.31	7.79	0.14	54.9	11.1	48	5.30	24.0	3.02
157502		8.70	0.13	7.05	62.8	700	1.88	0.19	5.71	0.16	57.0	11.8	56	5.51	25.1	3.34
157503		8.63	0.15	6.79	54.3	770	1.81	0.17	3.98	0.11	52.7	9.5	55	5.12	21.1	2.98
157504		6.41	0.19	5.77	33.3	860	1.32	0.10	2.09	0.11	37.7	5.1	26	2.98	10.8	1.63
157505		11.94	0.78	5.36	32.4	670	1.32	0.16	9.98	0.16	37.2	5.4	24	3.07	12.4	1.66
157506		8.39	0.24	5.76	23.0	840	1.47	0.12	8.70	0.14	43.4	7.2	29	4.32	13.2	2.02
157507		8.94	0.31	6.14	14.0	920	1.55	0.15	7.45	0.16	45.7	8.0	35	5.18	16.5	2.38
157508		11.99	1.11	4.82	14.3	610	1.09	0.09	10.60	0.12	32.2	4.6	23	2.81	9.2	1.36
157509		9.29	0.12	6.49	39.3	590	1.82	0.20	5.93	0.12	50.7	10.2	30	6.67	24.4	3.04
157510		6.09	0.09	6.33	55.2	470	1.68	0.18	7.14	0.09	50.8	10.2	30	6.08	24.6	2.91
157511		8.31	0.08	7.06	51.0	690	2.00	0.19	4.87	0.13	57.9	11.8	36	7.63	25.4	3.33
157512		10.46	0.35	6.63	80.6	670	1.80	0.17	5.94	0.19	54.1	10.4	31	6.36	23.7	2.90
157513		5.44	0.12	7.37	35.4	640	2.44	0.21	3.76	0.15	52.7	13.1	40	8.25	31.0	3.69
157514		7.64	0.14	5.85	52.3	330	1.67	0.15	7.75	0.11	47.0	9.4	27	5.60	22.2	2.73
157515		8.62	0.10	6.04	56.5	370	1.55	0.16	7.27	0.10	47.2	9.8	30	6.11	22.8	2.86
157516		10.42	0.33	4.94	56.5	220	1.34	0.14	10.65	0.35	41.2	8.0	25	5.20	20.0	2.35
157517		9.39	0.27	7.35	58.0	640	1.85	0.19	5.24	0.16	55.9	13.2	50	7.21	29.7	3.58
157518		9.54	0.24	7.07	57.6	630	1.90	0.21	5.45	0.15	53.5	12.8	48	6.98	28.9	3.54
157519		9.07	0.11	6.77	46.1	610	1.83	0.18	5.91	0.30	59.0	11.5	45	5.62	23.9	3.23
157520		8.47	0.14	7.05	49.7	680	1.84	0.18	5.40	0.27	58.5	12.2	46	6.30	25.6	3.34
157521		9.89	0.80	6.33	44.4	560	1.74	0.19	9.21	0.18	51.5	11.3	38	5.78	24.4	3.16
157522		9.37	1.03	5.79	42.2	790	1.18	0.10	6.24	0.12	40.2	5.3	26	3.16	11.2	1.74
157523		8.17	0.17	6.27	19.4	810	1.41	0.13	6.27	0.11	46.4	7.6	38	4.12	14.5	2.31
157524		13.52	0.22	5.85	7.8	830	1.16	0.10	1.81	0.05	38.2	4.4	29	2.79	9.6	1.59
157525		12.12	0.79	5.93	31.9	800	1.26	0.10	3.87	0.13	42.7	5.7	33	3.28	11.6	1.78
157526		8.65	0.16	5.67	23.4	640	1.21	0.12	10.30	0.18	42.2	6.4	23	3.59	14.1	1.97
157527		8.99	0.18	5.94	33.8	660	1.28	0.13	10.05	0.18	45.7	8.6	32	5.75	16.0	2.43
157528		9.38	0.30	6.31	30.5	750	1.49	0.15	8.67	0.17	46.8	8.2	29	5.10	16.6	2.33
157529		9.32	0.54	4.53	39.9	640	1.00	0.09	11.15	0.11	34.1	4.5	20	2.71	9.0	1.43
157530		0.05	0.03	0.35	0.8	30	0.09	0.02	0.01	<0.02	9.97	0.4	4	0.16	4.1	0.07
157531		10.07	0.07	5.74	14.0	790	1.55	0.09	6.39	0.06	36.7	4.9	13	2.27	8.2	1.43
157532		11.22	0.10	6.61	9.3	940	1.64	0.09	3.37	0.05	40.3	4.8	15	2.67	9.3	1.56
157533		7.55	0.20	5.97	10.3	740	1.49	0.10	8.65	0.08	38.9	4.7	14	2.31	8.8	1.57
157534		4.73	0.09	6.60	7.3	840	1.87	0.11	5.58	0.08	48.1	5.6	17	2.43	10.2	1.96
157535		8.39	0.10	5.47	50.8	500	1.39	0.13	11.50	0.19	40.9	8.7	25	4.78	18.9	2.37
157536		8.37	0.15	4.95	35.6	710	1.22	0.11	8.09	0.13	38.8	5.8	17	3.83	12.6	1.72
157537		10.61	0.14	5.37	20.5	910	1.38	0.10	7.75	0.14	43.0	5.1	15	3.40	11.2	1.61
157538		10.10	0.27	6.65	20.2	810	1.79	0.15	4.73	0.17	52.6	7.5	21	3.94	16.5	2.38
157539		9.82	0.07	7.20	26.7	750	1.96	0.22	3.84	0.13	52.7	7.9	23	4.68	20.2	2.56
157540		6.54	0.14	7.08	35.8	800	1.88	0.14	4.50	0.14	51.7	7.3	21	3.89	16.2	2.29



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Sample Description	Method Analyte Units LOD	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
157501		17.05	0.12	1.1	0.045	1.92	27.8	132.0	1.58	675	3.07	2.12	10.5	34.6	780
157502		18.15	0.12	1.1	0.045	2.12	29.6	136.0	1.79	645	1.71	2.24	11.9	38.8	820
157503		17.35	0.13	1.0	0.046	2.19	27.0	101.0	1.38	413	0.93	2.07	12.4	33.2	740
157504		12.65	0.10	0.8	0.026	2.10	20.2	49.5	0.56	363	0.99	2.02	8.8	16.8	560
157505		12.20	0.12	0.9	0.027	1.54	19.1	145.5	1.19	387	1.40	2.27	7.6	13.4	520
157506		13.60	0.12	1.0	0.033	1.67	22.7	110.5	0.96	356	0.73	2.07	8.9	18.7	550
157507		15.10	0.12	1.2	0.036	1.92	23.4	86.5	0.95	315	0.53	1.86	9.2	22.5	570
157508		11.00	0.11	0.8	0.020	1.50	16.4	54.2	0.55	224	0.32	1.69	6.6	10.7	360
157509		18.50	0.12	1.6	0.051	1.93	25.2	159.0	1.48	637	53.7	1.91	9.3	23.3	800
157510		17.60	0.12	1.5	0.046	2.07	26.5	210	1.68	746	15.00	2.04	9.9	22.3	770
157511		20.2	0.12	1.7	0.052	2.45	29.6	274	2.16	708	6.62	2.36	11.6	27.2	920
157512		18.25	0.13	1.6	0.050	2.17	28.1	223	1.65	606	8.45	2.23	10.0	22.7	790
157513		22.3	0.13	2.0	0.058	2.27	25.4	169.5	1.62	793	30.1	2.07	11.1	29.9	900
157514		16.55	0.11	1.5	0.046	1.89	24.4	195.5	1.62	616	54.5	2.14	9.2	20.3	730
157515		16.55	0.11	1.5	0.047	2.03	24.5	215	1.88	546	18.10	2.25	9.5	21.9	780
157516		14.10	0.10	1.2	0.040	1.61	20.9	189.0	1.52	451	14.15	1.95	7.7	17.9	640
157517		20.6	0.12	1.5	0.055	2.19	28.8	136.0	1.73	745	6.66	1.75	10.2	37.4	840
157518		19.90	0.12	1.4	0.052	2.12	27.4	137.5	1.71	730	6.58	1.67	9.8	36.9	810
157519		18.10	0.12	1.2	0.052	2.14	31.8	175.5	1.96	720	2.08	1.76	11.0	32.7	850
157520		19.10	0.11	1.3	0.052	2.23	29.8	189.0	2.17	768	1.59	1.75	11.6	34.6	900
157521		17.30	0.11	1.3	0.045	1.90	26.3	153.0	1.81	865	1.00	1.45	9.4	27.7	790
157522		12.95	0.09	0.8	0.028	1.74	20.5	77.2	0.79	365	1.02	2.31	8.5	14.9	410
157523		14.50	0.10	0.9	0.037	1.89	24.1	65.1	0.91	367	0.79	2.16	9.9	22.9	610
157524		13.00	0.09	0.7	0.025	1.97	19.5	38.2	0.47	213	0.67	2.11	7.9	13.3	300
157525		13.60	0.10	0.7	0.026	1.89	22.0	47.2	0.60	264	0.65	2.18	8.4	15.2	360
157526		13.95	0.12	1.2	0.035	1.68	21.9	128.0	1.18	432	4.38	2.05	8.4	15.3	620
157527		15.15	0.11	1.3	0.033	1.76	23.7	115.0	1.18	514	2.27	1.91	9.8	22.0	660
157528		15.85	0.10	1.2	0.039	1.89	24.3	92.4	1.08	519	1.40	1.97	9.1	20.2	620
157529		10.60	0.11	0.9	0.025	1.43	17.9	52.8	0.57	256	1.49	1.61	6.0	10.1	410
157530		0.87	0.07	0.2	<0.005	0.12	4.6	1.7	0.02	<5	0.59	0.01	0.6	3.2	10
157531		14.45	0.11	1.0	0.023	2.06	19.3	41.2	0.54	212	1.25	2.10	7.5	8.4	320
157532		16.70	0.13	1.3	0.024	2.31	21.3	47.0	0.55	216	0.73	2.20	8.0	8.9	310
157533		14.70	0.13	1.0	0.025	1.94	20.5	51.3	0.63	279	0.55	1.83	8.2	8.1	390
157534		17.40	0.12	1.1	0.031	2.09	24.6	41.3	0.60	261	0.58	2.25	10.5	9.3	460
157535		14.75	0.12	1.1	0.036	1.82	20.6	131.0	1.30	500	5.34	3.14	8.6	18.6	640
157536		13.05	0.09	1.2	0.027	2.05	20.4	87.9	0.84	295	2.29	1.73	7.5	11.5	430
157537		13.95	0.11	1.3	0.027	2.24	23.1	60.2	0.66	378	2.21	1.63	8.1	9.3	470
157538		17.95	0.12	1.4	0.040	2.34	27.4	72.2	0.92	334	1.71	1.90	10.9	13.2	580
157539		19.30	0.12	1.5	0.042	2.43	26.7	96.2	1.02	490	13.65	2.54	10.6	16.1	760
157540		18.00	0.15	1.2	0.034	2.47	26.7	116.5	0.98	502	65.9	3.02	10.7	14.1	640



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		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.01	% 0.005	ppm 0.02	ppm 0.1
157501		83.4	<0.002	0.73	9.70	9.2	<1	1.6	529	0.73	0.07	8.67	0.351	0.50	5.4
157502		90.9	<0.002	0.10	9.42	10.0	<1	1.8	500	0.83	<0.05	9.14	0.384	0.57	3.5
157503		84.0	<0.002	0.05	9.07	8.9	<1	1.6	377	0.99	0.05	9.24	0.341	0.55	2.5
157504		75.3	<0.002	0.04	7.20	4.4	<1	1.2	348	0.75	<0.05	7.19	0.215	0.43	1.7
157505		57.8	<0.002	0.11	7.51	5.0	<1	1.1	769	0.57	<0.05	5.42	0.235	0.33	4.0
157506		65.2	<0.002	0.03	5.57	6.1	1	1.3	651	0.64	0.05	6.12	0.278	0.36	4.2
157507		77.3	<0.002	0.03	4.46	6.9	<1	1.4	562	0.68	<0.05	7.01	0.280	0.44	3.7
157508		56.2	<0.002	0.07	2.88	4.0	<1	0.9	759	0.49	<0.05	4.68	0.184	0.30	3.3
157509		80.9	0.009	3.14	4.78	8.7	<1	1.6	2050	0.63	<0.05	8.67	0.294	0.46	3.3
157510		87.9	0.011	3.72	4.26	8.4	1	1.7	3170	0.68	<0.05	8.81	0.315	0.53	5.4
157511		103.5	0.014	0.95	5.17	9.6	<1	1.9	2190	0.79	<0.05	9.88	0.358	0.57	6.3
157512		90.9	0.009	0.69	4.82	8.5	<1	1.8	1225	0.72	0.05	9.18	0.315	0.49	7.1
157513		87.6	0.010	1.59	5.24	10.8	<1	4.0	590	0.73	0.05	9.50	0.345	0.58	2.6
157514		84.0	0.019	4.57	3.97	7.9	<1	1.6	3680	0.63	<0.05	8.12	0.290	0.43	5.2
157515		85.9	0.018	4.09	4.28	7.9	1	1.6	2470	0.65	0.05	8.18	0.308	0.47	5.5
157516		70.6	0.015	5.78	3.79	6.6	<1	1.4	2680	0.56	<0.05	7.09	0.242	0.42	6.4
157517		95.6	0.010	1.44	9.62	10.5	3	1.8	739	0.72	<0.05	9.62	0.333	0.57	2.5
157518		91.6	0.012	1.68	9.16	10.2	2	1.8	824	0.69	<0.05	9.41	0.324	0.60	2.6
157519		90.0	0.002	0.22	7.04	9.3	<1	1.8	485	0.76	<0.05	10.10	0.359	0.51	3.4
157520		94.6	0.002	0.08	7.30	9.9	<1	1.9	472	0.80	0.05	9.40	0.371	0.53	3.0
157521		84.5	<0.002	0.08	5.03	8.8	<1	1.7	686	0.69	<0.05	9.09	0.301	0.53	4.5
157522		62.6	<0.002	0.16	10.65	5.0	<1	1.1	715	0.62	<0.05	6.64	0.262	0.39	4.2
157523		70.2	<0.002	0.03	5.50	6.7	<1	1.3	621	0.74	<0.05	6.98	0.309	0.41	3.7
157524		66.8	<0.002	0.01	4.26	4.3	<1	1.1	385	0.63	<0.05	6.07	0.215	0.40	2.8
157525		64.5	<0.002	0.03	9.57	5.1	<1	1.2	480	0.64	<0.05	6.10	0.245	0.39	2.8
157526		64.5	<0.002	0.53	4.00	5.7	1	1.2	549	0.62	<0.05	6.87	0.259	0.36	3.9
157527		75.0	<0.002	0.05	5.31	7.0	<1	1.4	525	0.67	<0.05	6.69	0.309	0.44	4.3
157528		77.2	<0.002	0.04	4.22	6.8	<1	1.4	610	0.67	<0.05	7.24	0.274	0.44	3.7
157529		52.9	<0.002	0.07	3.75	3.8	1	0.9	916	0.48	<0.05	5.04	0.178	0.33	5.6
157530		3.2	<0.002	<0.01	0.44	0.4	1	<0.2	4.0	<0.05	<0.05	1.60	0.027	0.02	0.2
157531		69.8	0.002	0.07	2.95	4.0	1	1.1	754	0.54	<0.05	5.99	0.197	0.35	10.3
157532		79.1	<0.002	0.02	3.36	4.4	1	1.1	562	0.58	<0.05	6.36	0.212	0.38	5.3
157533		71.4	<0.002	0.03	3.69	4.5	1	1.1	702	0.57	<0.05	6.04	0.223	0.33	8.2
157534		72.4	<0.002	0.02	3.13	5.5	1	1.4	547	0.73	<0.05	7.44	0.299	0.38	3.7
157535		73.7	0.008	0.39	4.13	7.2	2	1.4	603	0.63	<0.05	6.91	0.258	0.35	17.1
157536		78.7	0.003	0.08	4.03	4.9	1	1.5	474	0.60	<0.05	7.31	0.188	0.39	20.6
157537		84.8	<0.002	0.06	3.19	4.5	1	1.6	472	0.64	<0.05	8.22	0.195	0.42	11.3
157538		89.2	<0.002	0.05	3.24	6.9	1	1.6	454	0.77	<0.05	8.84	0.320	0.47	6.8
157539		91.1	0.005	0.76	3.35	7.6	2	2.0	569	0.79	<0.05	10.05	0.287	0.51	3.9
157540		89.6	0.012	0.43	2.95	6.8	2	1.8	519	0.80	<0.05	9.15	0.297	0.47	6.0



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CERTIFICATE OF ANALYSIS RE20185806

Sample Description	Method Analyte Units LOD	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
		W	Y	Zn	Zr	Dy	Er	Eu	Gd	Ho	Lu	Nd	Pr	Sm	Tb
		ppm 0.1	ppm 0.1	ppm 2	ppm 0.5	ppm 0.05	ppm 0.03	ppm 0.03	ppm 0.05	ppm 0.01	ppm 0.01	ppm 0.1	ppm 0.03	ppm 0.03	ppm 0.01
157501		7.8	14.2	89	29.1	2.67	1.48	0.92	3.26	0.51	0.19	24.3	6.32	4.62	0.47
157502		7.9	15.2	97	29.8	3.03	1.59	1.02	3.60	0.55	0.21	25.6	6.62	4.83	0.54
157503		6.8	14.1	83	27.3	2.65	1.40	0.93	3.27	0.49	0.19	24.0	6.25	4.50	0.47
157504		6.0	10.6	39	21.4	2.02	1.04	0.75	2.48	0.38	0.14	18.0	4.64	3.38	0.35
157505		5.2	9.3	50	26.5	1.80	0.97	0.67	2.21	0.33	0.13	16.6	4.31	3.16	0.32
157506		4.3	11.4	56	33.6	2.12	1.11	0.74	2.51	0.40	0.15	18.9	4.98	3.55	0.37
157507		4.0	11.7	67	32.6	2.22	1.20	0.75	2.67	0.41	0.17	20.2	5.19	3.74	0.38
157508		2.9	8.2	37	22.9	1.55	0.82	0.55	1.88	0.28	0.11	14.1	3.72	2.60	0.28
157509		5.4	12.9	100	50.5	2.48	1.35	0.78	2.84	0.45	0.17	21.4	5.63	3.98	0.43
157510		10.5	12.7	96	45.6	2.43	1.30	0.82	2.92	0.45	0.17	21.8	5.70	3.99	0.43
157511		11.0	14.7	110	51.5	2.80	1.58	0.91	3.36	0.52	0.21	24.3	6.31	4.52	0.49
157512		10.1	13.7	93	48.1	2.58	1.35	0.83	3.03	0.47	0.19	22.8	6.05	4.25	0.46
157513		5.8	14.3	120	60.0	2.78	1.51	0.84	3.21	0.53	0.21	22.9	5.91	4.31	0.48
157514		7.0	12.4	90	44.4	2.22	1.21	0.70	2.69	0.42	0.17	20.3	5.31	3.76	0.39
157515		7.7	12.3	96	42.0	2.36	1.26	0.75	2.75	0.44	0.18	20.2	5.19	3.73	0.41
157516		7.6	10.1	78	36.8	1.95	1.08	0.63	2.22	0.37	0.15	17.2	4.54	3.20	0.34
157517		8.9	14.6	109	43.4	2.74	1.48	0.92	3.20	0.51	0.19	23.9	6.26	4.48	0.49
157518		8.5	14.0	107	43.0	2.69	1.45	0.90	3.27	0.51	0.21	22.8	6.05	4.38	0.46
157519		9.5	14.4	99	34.5	2.80	1.55	0.90	3.42	0.52	0.19	24.7	6.65	4.53	0.49
157520		11.3	15.1	101	37.3	2.88	1.57	0.95	3.42	0.54	0.20	25.0	6.57	4.78	0.51
157521		10.9	13.1	96	36.3	2.53	1.33	0.83	3.00	0.47	0.18	21.5	5.67	4.09	0.43
157522		4.9	10.0	46	23.0	2.06	1.03	0.76	2.47	0.36	0.14	17.8	4.71	3.47	0.36
157523		4.6	12.7	59	27.1	2.41	1.33	0.87	2.91	0.48	0.18	20.9	5.36	3.98	0.44
157524		4.1	9.7	32	18.9	1.97	1.07	0.71	2.40	0.35	0.15	17.1	4.49	3.20	0.35
157525		5.6	10.4	39	19.0	2.09	1.12	0.79	2.55	0.39	0.15	19.1	5.00	3.59	0.37
157526		4.0	10.5	58	34.2	2.06	1.15	0.73	2.57	0.39	0.16	18.5	4.87	3.43	0.35
157527		4.8	11.9	72	39.9	2.24	1.20	0.79	2.71	0.43	0.16	19.9	5.19	3.71	0.39
157528		5.1	12.1	67	38.5	2.22	1.22	0.77	2.65	0.42	0.16	20.5	5.27	3.76	0.39
157529		2.5	8.8	38	28.5	1.65	0.88	0.58	2.07	0.31	0.12	14.6	3.87	2.77	0.30
157530		0.1	1.0	4	6.3	0.25	0.11	0.09	0.38	0.04	0.01	3.8	1.07	0.59	0.05
157531		2.4	10.5	37	30.6	1.94	1.01	0.70	2.40	0.38	0.14	16.4	4.41	2.96	0.36
157532		2.4	11.8	40	40.6	2.21	1.17	0.81	2.74	0.42	0.15	18.4	4.94	3.26	0.39
157533		2.4	10.0	42	29.7	1.95	0.97	0.73	2.42	0.36	0.13	17.5	4.67	3.09	0.35
157534		2.0	12.5	53	31.5	2.51	1.29	0.92	3.15	0.48	0.17	21.6	5.78	3.86	0.46
157535		7.1	11.2	74	36.4	2.12	1.11	0.68	2.57	0.41	0.15	17.8	4.75	3.20	0.37
157536		5.5	10.6	51	34.2	2.06	1.08	0.59	2.43	0.39	0.15	16.7	4.53	3.06	0.36
157537		4.3	12.2	48	37.9	2.23	1.18	0.63	2.65	0.43	0.17	18.7	5.06	3.34	0.39
157538		2.9	13.5	75	41.7	2.61	1.38	0.90	3.23	0.50	0.18	23.0	6.12	4.05	0.47
157539		3.8	14.8	78	43.2	2.95	1.54	0.90	3.45	0.56	0.21	23.4	6.29	4.19	0.52
157540		5.0	14.6	67	35.8	2.79	1.46	0.92	3.38	0.54	0.20	23.2	6.21	4.12	0.50



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Sample Description	Method Analyte Units LOD	ME-MS61r	PGM-ICP23	PGM-ICP23	PGM-ICP23	Rh-MS25	Ag-AA45	ME-ICP41	ME-ICP41	ME-HAL01	ME-HAL01	ME-HAL01	ME-HAL01
		Yb	Au	Pt	Pd	Rh	Ag	B	Cu	I	Br	F	Cl
		ppm 0.03	ppm 0.001	ppm 0.005	ppm 0.001	ppm 0.001	ppm 0.2	ppm 10	ppm 1	ppm 0.002	ppm 0.02	ppm 0.05	ppm 0.1
157501		1.28	0.031	<0.005	0.002	<0.001	0.3	70	22				
157502		1.35	0.018	<0.005	0.001	<0.001	<0.2	60	23				
157503		1.27	0.029	<0.005	0.001	<0.001	<0.2	40	20				
157504		0.96	0.009	<0.005	0.001	<0.001	<0.2	20	9				
157505		0.89	0.048	<0.005	0.001	<0.001	0.7	70	12				
157506		0.99	0.015	<0.005	0.001	<0.001	0.2	40	12				
157507		1.16	0.005	<0.005	0.001	<0.001	0.2	40	15				
157508		0.79	0.007	<0.005	0.001	<0.001	0.5	30	8				
157509		1.28	0.015	<0.005	0.001	<0.001	<0.2	150	24				
157510		1.28	0.007	<0.005	0.001	<0.001	<0.2	170	23				
157511		1.37	0.010	<0.005	0.001	<0.001	<0.2	170	24				
157512		1.30	0.009	<0.005	0.001	<0.001	0.2	130	23				
157513		1.42	0.015	<0.005	<0.001	<0.001	0.2	150	27				
157514		1.12	0.009	<0.005	0.001	<0.001	<0.2	180	21				
157515		1.20	0.010	<0.005	0.001	<0.001	<0.2	180	23				
157516		0.98	0.010	<0.005	0.001	<0.001	0.2	130	19				
157517		1.35	0.034	<0.005	0.001	<0.001	0.2	110	28				
157518		1.36	0.033	<0.005	0.002	<0.001	0.4	110	28				
157519		1.35	0.015	<0.005	0.001	<0.001	<0.2	90	24				
157520		1.41	0.014	<0.005	0.001	<0.001	<0.2	90	24				
157521		1.24	0.023	<0.005	0.001	<0.001	0.5	80	24				
157522		0.96	0.028	<0.005	0.001	<0.001	1.0	40	12				
157523		1.19	0.015	<0.005	0.001	<0.001	<0.2	40	14				
157524		0.91	0.017	<0.005	0.001	<0.001	0.3	20	8				
157525		0.95	0.023	<0.005	0.001	<0.001	0.5	30	10				
157526		0.99	0.011	<0.005	0.001	<0.001	<0.2	90	13				
157527		1.14	0.010	<0.005	0.001	<0.001	<0.2	60	15				
157528		1.10	0.011	<0.005	0.001	<0.001	<0.2	50	14				
157529		0.84	0.012	<0.005	0.001	<0.001	0.4	40	8				
157530		0.10	0.022	0.005	0.003	<0.001	<0.2	<10	1				
157531		0.92	0.002	<0.005	0.001	<0.001	<0.2	30	7				
157532		1.06	0.004	<0.005	0.001	<0.001	<0.2	20	7				
157533		0.90	0.004	<0.005	0.001	<0.001	<0.2	30	7				
157534		1.16	0.002	<0.005	0.001	<0.001	<0.2	20	9				
157535		1.03	0.009	<0.005	0.001	<0.001	<0.2	130	18				
157536		1.00	0.006	<0.005	0.001	<0.001	0.2	60	11				
157537		1.07	0.003	<0.005	0.001	<0.001	0.2	40	10				
157538		1.24	0.003	<0.005	0.001	<0.001	0.3	40	15				
157539		1.42	0.011	<0.005	0.001	<0.001	<0.2	80	19				
157540		1.37	0.004	<0.005	0.001	<0.001	0.3	80	14				



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Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-MS61r Ag ppm	ME-MS61r Al %	ME-MS61r As ppm	ME-MS61r Ba ppm	ME-MS61r Be ppm	ME-MS61r Bi ppm	ME-MS61r Ca %	ME-MS61r Cd ppm	ME-MS61r Ce ppm	ME-MS61r Co ppm	ME-MS61r Cr ppm	ME-MS61r Cs ppm	ME-MS61r Cu ppm	ME-MS61r Fe %
		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
157541		8.52	0.29	7.13	39.9	800	2.05	0.16	3.34	0.18	52.9	8.6	24	4.53	19.2	2.54
157542		11.66	0.24	6.69	54.6	730	1.90	0.15	5.41	0.38	52.7	8.2	21	4.46	18.8	2.42
157543	Not Recvd															
157544		11.48	0.20	6.73	33.2	860	1.60	0.12	4.20	0.12	50.6	8.0	29	3.17	13.6	2.12
157545		8.49	0.15	5.80	26.1	760	1.29	0.10	7.84	0.10	41.3	7.2	26	3.01	12.9	1.88
157546		9.28	0.14	4.76	19.8	820	1.08	0.09	12.55	0.13	36.1	6.3	20	2.66	12.1	1.56
157547		3.96	0.25	6.62	14.7	790	1.50	0.13	4.54	0.10	55.2	10.0	36	3.26	14.1	2.63
157548		14.50	0.14	7.02	45.5	880	1.51	0.12	1.44	0.08	50.5	6.9	25	3.04	12.4	1.97
157549		6.57	0.19	6.57	35.3	880	1.59	0.10	2.42	0.09	46.7	5.5	20	2.87	9.2	1.65
157550		7.25	0.28	6.51	29.4	800	1.79	0.12	2.94	0.11	44.8	5.6	21	3.10	9.4	1.72
157551		15.08	0.21	6.56	27.9	830	1.71	0.11	1.95	0.08	49.2	5.2	19	2.91	9.1	1.69
157552		7.06	0.11	7.10	34.1	870	1.65	0.10	1.37	0.08	54.8	6.1	24	3.06	10.7	1.93
157553		6.23	0.11	7.16	37.2	900	1.80	0.10	1.25	0.06	51.3	6.1	24	3.76	10.3	1.92
157554		6.11	0.10	6.84	30.8	840	1.72	0.09	2.01	0.06	43.2	5.2	18	3.69	9.5	1.69
157555		5.50	0.13	7.26	43.1	860	1.83	0.13	2.85	0.07	53.7	8.2	32	4.93	12.7	2.41
157556		0.06	0.06	4.64	5.5	400	2.25	0.18	4.43	0.08	22.2	0.7	7	3.99	3.9	0.57
157557		5.91	0.08	6.14	17.6	1020	1.60	0.09	5.24	0.08	44.9	5.6	16	3.80	11.1	1.79
157558		8.67	0.11	6.11	13.0	1010	1.61	0.06	2.66	0.05	37.6	3.5	11	2.79	6.5	1.31
157559		6.09	0.33	6.62	11.6	960	1.79	0.08	1.86	0.11	41.2	4.5	15	2.54	7.9	1.64
157560		4.72	0.11	6.98	8.6	1090	1.69	0.07	1.55	0.05	41.3	4.0	13	2.84	7.4	1.56
157561		6.10	0.10	6.32	12.4	1230	1.59	0.07	2.93	0.07	41.3	4.1	12	3.21	7.5	1.48
157562		5.78	0.15	6.77	12.8	1100	1.83	0.08	2.37	0.07	41.1	4.7	13	3.30	8.2	1.59
157563		5.01	0.11	6.85	9.8	1090	1.68	0.06	1.56	0.04	39.6	4.1	13	3.62	7.2	1.47
157564		4.84	0.29	7.12	8.1	1230	1.75	0.08	1.67	0.08	46.5	5.9	21	12.05	9.1	2.13
157565		4.56	0.09	6.91	8.9	1060	1.60	0.09	2.38	0.08	44.4	4.9	15	3.13	10.2	1.70
157566		3.65	0.09	6.21	12.8	1090	1.63	0.08	3.22	0.05	34.2	4.6	13	3.07	9.2	1.56
157567		5.14	0.08	6.43	10.5	1030	1.55	0.08	2.51	0.05	39.6	4.8	14	6.15	9.3	1.57
157568		4.85	0.18	6.78	8.2	1130	1.61	0.10	2.10	0.06	41.8	6.3	23	20.3	11.2	2.23
157569		5.07	0.08	7.29	9.2	1060	1.87	0.10	2.26	0.08	46.4	5.2	14	3.52	9.5	1.78
157570		7.25	0.06	6.04	15.0	840	1.73	0.11	8.53	0.07	41.6	5.8	16	5.49	11.1	1.66
157571		10.03	0.06	6.00	14.8	820	1.64	0.11	8.74	0.08	40.1	5.9	14	5.79	11.4	1.69
157572		5.82	0.07	5.85	10.6	950	1.48	0.08	4.59	0.05	36.0	5.4	13	9.95	9.1	1.52
157573		10.46	0.09	6.05	7.1	1050	1.45	0.08	2.10	0.03	35.7	4.5	14	14.00	7.7	1.53
157574		9.30	0.14	7.52	12.4	1220	1.66	0.09	1.83	0.09	48.4	7.2	22	3.03	11.1	2.21
157575		8.95	0.20	7.55	18.1	1260	1.61	0.08	1.56	0.09	46.5	7.0	22	3.01	11.3	2.19
157576		10.65	0.22	7.54	14.2	1220	1.71	0.09	1.87	0.07	47.4	7.0	21	3.20	11.3	2.18
157577		5.53	0.17	7.61	12.9	1220	1.83	0.09	2.14	0.06	46.9	7.4	21	3.33	11.8	2.27
157578		5.80	0.13	6.32	5.4	1090	1.38	0.07	1.78	0.04	36.4	5.6	25	20.2	7.9	1.75
157579		6.37	0.20	6.37	11.2	950	1.49	0.08	3.57	0.05	38.0	6.6	28	16.45	10.0	1.93
157580		5.12	0.17	6.71	12.2	1130	1.50	0.08	1.87	0.03	39.4	5.4	23	12.05	9.1	1.88



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To: RED RIVER CREEK MINING GROUP LLC

1712 CAREY AVENUE

SUITE 100

CHEYENNE WY 82001

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Finalized Date: 18-OCT-2020

Account: KEERRG

CERTIFICATE OF ANALYSIS RE20185806

Sample Description	Method Analyte Units LOD	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
157541		19.60	0.16	1.4	0.041	2.52	26.7	138.5	1.15	613	32.2	3.18	11.9	17.2	770
157542		18.15	0.15	1.3	0.040	2.23	26.7	143.5	1.13	449	13.35	3.09	11.3	15.6	710
157543															
157544		16.20	0.14	0.8	0.034	1.91	24.8	47.1	0.83	419	0.65	2.26	11.0	22.5	420
157545		13.35	0.14	0.7	0.027	1.64	20.4	50.4	0.95	413	0.69	1.75	8.7	19.3	360
157546		11.30	0.10	0.6	0.023	1.33	18.9	38.3	1.18	589	0.67	1.49	7.1	16.9	400
157547		16.35	0.15	0.7	0.036	1.77	26.5	41.6	0.93	375	0.55	2.03	10.6	25.0	280
157548		16.15	0.14	0.8	0.029	2.14	25.8	34.9	0.52	344	0.85	2.35	11.0	18.4	440
157549		14.90	0.11	0.7	0.028	2.10	23.5	34.4	0.54	297	0.76	2.36	11.4	14.5	460
157550		14.75	0.11	0.8	0.030	1.94	22.9	36.6	0.58	320	0.61	2.23	11.9	15.2	460
157551		14.60	0.12	0.9	0.030	2.04	25.6	31.1	0.45	295	0.61	2.19	11.1	14.0	610
157552		15.85	0.12	0.7	0.029	2.04	28.7	29.8	0.48	337	0.61	2.30	11.6	17.8	520
157553		15.85	0.12	0.9	0.031	2.21	27.7	35.3	0.49	291	0.82	2.22	11.2	17.2	410
157554		15.35	0.11	0.9	0.028	2.15	22.2	31.9	0.50	257	0.66	2.26	9.5	14.2	560
157555		17.30	0.12	0.8	0.036	2.01	27.5	42.6	0.76	405	0.56	2.02	11.7	24.1	490
157556		13.30	0.12	2.5	0.020	3.22	11.9	42.5	0.10	418	4.81	2.43	19.1	3.0	80
157557		15.40	0.13	1.3	0.028	2.22	24.0	99.2	0.88	278	1.19	2.10	7.3	11.3	540
157558		15.10	0.13	1.2	0.020	2.65	21.6	45.5	0.39	154	0.91	2.03	6.3	6.5	430
157559		16.35	0.12	1.2	0.023	2.52	23.5	47.1	0.42	203	1.03	2.21	6.6	8.7	370
157560		16.55	0.12	1.2	0.020	2.61	23.7	34.8	0.35	202	0.72	2.33	7.1	8.2	370
157561		15.40	0.12	1.3	0.020	2.43	22.9	57.4	0.48	226	0.60	1.98	6.8	8.8	490
157562		16.80	0.13	1.3	0.023	2.56	23.1	55.6	0.48	204	0.82	2.07	6.8	9.3	410
157563		15.60	0.11	1.3	0.020	2.49	22.6	46.3	0.42	192	0.64	2.18	6.2	8.2	350
157564		18.00	0.11	1.7	0.029	2.37	25.6	60.1	0.57	270	0.83	2.22	8.5	11.9	350
157565		16.95	0.15	1.3	0.027	2.42	23.8	43.4	0.50	289	0.69	2.16	8.3	10.3	470
157566		16.30	0.14	1.1	0.024	2.31	18.5	54.0	0.51	195	0.91	2.09	6.2	9.0	370
157567		16.40	0.16	1.2	0.024	2.40	21.8	54.5	0.50	206	0.86	2.04	6.8	9.1	360
157568		17.10	0.16	1.6	0.029	2.30	22.0	70.8	0.65	273	0.89	2.10	8.1	12.4	320
157569		18.80	0.17	1.3	0.029	2.56	24.2	45.8	0.49	276	0.68	2.28	8.9	10.2	450
157570		15.65	0.17	1.3	0.030	2.00	22.6	75.7	0.77	242	0.89	1.72	7.7	10.6	930
157571		15.70	0.15	1.2	0.029	1.97	21.6	73.2	0.78	240	0.89	1.70	7.5	10.9	930
157572		15.70	0.16	1.0	0.023	2.35	19.5	66.5	0.56	192	0.70	1.78	6.2	8.9	570
157573		15.15	0.15	1.1	0.020	2.46	20.3	48.7	0.46	187	0.61	1.78	5.9	8.2	430
157574		19.15	0.17	2.1	0.030	2.34	26.3	35.7	0.63	398	0.68	2.36	9.0	16.0	810
157575		18.55	0.17	1.9	0.031	2.36	25.5	36.4	0.63	357	0.67	2.26	9.5	15.8	870
157576		19.15	0.18	2.2	0.029	2.35	26.0	36.7	0.63	355	0.73	2.26	8.4	15.7	790
157577		19.40	0.17	2.2	0.029	2.37	25.7	39.5	0.65	372	0.69	2.36	8.8	15.9	700
157578		15.00	0.15	1.6	0.024	2.02	19.4	77.8	0.61	226	0.60	2.15	6.8	10.6	360
157579		16.05	0.16	1.7	0.027	1.90	20.4	62.1	0.73	250	0.81	1.82	6.4	12.5	330
157580		16.75	0.17	1.7	0.025	2.14	21.2	48.7	0.57	216	0.65	2.18	8.0	11.3	320



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CERTIFICATE OF ANALYSIS RE20185806

Sample Description	Method Analyte Units LOD	ME-MS61r Rb ppm 0.1	ME-MS61r Re ppm 0.002	ME-MS61r S % 0.01	ME-MS61r Sb ppm 0.05	ME-MS61r Sc ppm 0.1	ME-MS61r Se ppm 1	ME-MS61r Sn ppm 0.2	ME-MS61r Sr ppm 0.2	ME-MS61r Ta ppm 0.05	ME-MS61r Te ppm 0.05	ME-MS61r Th ppm 0.01	ME-MS61r Ti % 0.005	ME-MS61r Tl ppm 0.02	ME-MS61r U ppm 0.1	ME-MS61r V ppm 1
157541		95.3	0.011	0.17	3.53	7.9	1	1.9	507	0.86	<0.05	9.56	0.326	0.53	5.9	63
157542		87.4	0.012	0.46	3.78	7.8	5	1.8	1750	0.83	<0.05	8.86	0.297	0.49	12.5	71
157543																
157544		66.3	<0.002	0.02	7.57	6.7	1	1.3	581	0.82	<0.05	7.82	0.323	0.39	2.5	52
157545		62.0	<0.002	0.07	6.19	5.7	1	1.2	856	0.68	<0.05	6.16	0.250	0.36	2.5	47
157546		50.3	<0.002	0.05	5.79	4.7	1	1.0	856	0.52	<0.05	5.44	0.197	0.32	4.2	40
157547		67.5	<0.002	0.02	5.60	7.2	1	1.5	498	0.77	<0.05	8.14	0.316	0.42	2.4	57
157548		77.8	<0.002	0.04	7.79	5.9	1	1.3	441	0.87	<0.05	7.39	0.286	0.45	1.5	50
157549		77.7	<0.002	0.05	6.41	5.0	1	1.2	516	0.79	<0.05	6.03	0.254	0.36	1.5	43
157550		79.0	<0.002	0.02	6.68	5.4	1	1.2	450	0.87	<0.05	6.56	0.249	0.41	2.0	42
157551		80.6	<0.002	0.02	6.53	5.1	1	1.2	405	0.75	<0.05	6.31	0.258	0.45	1.6	41
157552		79.9	<0.002	0.01	8.65	5.9	1	1.2	403	0.79	<0.05	6.78	0.291	0.36	1.3	45
157553		89.8	<0.002	0.03	7.45	5.7	1	1.2	396	0.81	<0.05	6.95	0.259	0.41	1.4	45
157554		83.7	<0.002	0.02	6.25	5.0	1	1.1	428	0.67	<0.05	6.02	0.231	0.40	1.4	39
157555		86.1	<0.002	0.02	9.63	7.4	1	1.4	414	0.76	<0.05	7.03	0.309	0.45	1.8	56
157556		105.0	<0.002	0.11	1.24	1.6	1	1.3	251	1.57	<0.05	6.62	0.050	0.54	2.7	8
157557		80.0	<0.002	0.29	4.08	4.8	1	1.1	871	0.51	<0.05	6.14	0.214	0.34	2.2	45
157558		94.3	<0.002	0.09	4.02	2.9	1	1.1	516	0.45	<0.05	5.78	0.144	0.39	2.7	35
157559		94.0	<0.002	0.04	4.16	3.8	1	1.0	497	0.45	<0.05	6.72	0.180	0.41	2.4	37
157560		95.4	<0.002	0.02	3.44	3.7	<1	1.0	510	0.45	<0.05	5.19	0.200	0.38	1.5	31
157561		82.1	<0.002	0.02	3.55	3.6	1	0.9	533	0.46	<0.05	5.07	0.196	0.37	2.8	30
157562		95.5	<0.002	0.03	4.61	3.9	1	1.0	524	0.46	<0.05	5.45	0.187	0.42	2.6	34
157563		90.8	<0.002	0.02	4.02	3.5	<1	0.9	513	0.41	<0.05	4.95	0.188	0.34	2.0	32
157564		97.3	<0.002	0.03	4.45	5.0	1	1.1	522	0.53	<0.05	5.23	0.248	0.35	2.1	49
157565		80.0	<0.002	0.02	2.81	4.5	1	1.1	512	0.56	<0.05	6.57	0.242	0.40	1.6	35
157566		77.6	<0.002	0.11	3.24	4.1	1	0.9	553	0.41	<0.05	5.26	0.180	0.38	2.5	34
157567		86.5	<0.002	0.07	4.08	4.0	1	1.0	515	0.45	<0.05	5.83	0.191	0.40	2.4	34
157568		93.5	<0.002	0.04	5.02	5.4	1	1.2	501	0.53	<0.05	5.82	0.258	0.39	2.5	59
157569		88.4	<0.002	0.01	2.74	4.8	1	1.2	531	0.60	<0.05	7.09	0.237	0.44	1.6	38
157570		82.9	<0.002	0.15	2.91	4.9	1	1.1	707	0.53	<0.05	8.30	0.180	0.40	3.8	35
157571		83.1	<0.002	0.16	2.94	4.9	1	1.1	706	0.52	<0.05	7.28	0.179	0.39	3.8	35
157572		84.1	<0.002	0.12	3.01	4.0	1	0.9	528	0.40	<0.05	5.28	0.166	0.39	2.8	32
157573		88.9	<0.002	0.04	3.05	3.6	1	0.9	451	0.38	<0.05	5.13	0.162	0.39	2.0	31
157574		68.3	<0.002	0.01	2.74	5.9	<1	1.2	517	0.60	<0.05	5.08	0.323	0.40	1.3	47
157575		70.4	<0.002	0.01	2.75	5.7	1	1.2	493	0.66	<0.05	4.76	0.312	0.43	1.2	46
157576		70.6	<0.002	0.01	2.86	5.8	1	1.2	498	0.58	<0.05	4.93	0.307	0.41	1.3	45
157577		69.8	<0.002	0.01	2.96	5.9	1	1.3	530	0.59	<0.05	5.23	0.303	0.40	1.8	45
157578		86.5	<0.002	0.03	4.41	4.8	1	0.9	505	0.46	<0.05	4.24	0.229	0.29	3.3	48
157579		91.2	<0.002	0.02	3.78	5.5	1	1.0	441	0.42	<0.05	4.39	0.221	0.33	3.8	49
157580		85.4	<0.002	0.02	3.80	4.9	1	1.1	453	0.58	<0.05	4.93	0.243	0.39	2.8	43



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Sample Description	Method Analyte Units LOD	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
		W	Y	Zn	Zr	Dy	Er	Eu	Gd	Ho	Lu	Nd	Pr	Sm	Tb
		ppm 0.1	ppm 0.1	ppm 2	ppm 0.5	ppm 0.05	ppm 0.03	ppm 0.03	ppm 0.05	ppm 0.01	ppm 0.01	ppm 0.1	ppm 0.03	ppm 0.03	ppm 0.01
157541		6.4	15.0	77	39.6	2.90	1.55	0.96	3.55	0.56	0.21	24.0	6.39	4.34	0.52
157542		5.2	14.0	76	36.9	2.70	1.42	0.90	3.29	0.53	0.19	23.0	6.19	4.16	0.49
157543															
157544		5.4	13.7	52	23.9	2.62	1.35	0.97	3.35	0.51	0.18	22.9	6.08	4.13	0.49
157545		6.7	11.7	46	20.5	2.16	1.10	0.77	2.65	0.42	0.15	18.6	4.94	3.32	0.39
157546		7.4	9.8	40	17.4	1.80	0.95	0.62	2.20	0.35	0.12	16.0	4.30	2.83	0.32
157547		5.9	13.1	56	19.0	2.57	1.31	0.93	3.16	0.49	0.18	23.9	6.34	4.30	0.46
157548		11.4	12.8	45	21.6	2.49	1.26	0.93	3.11	0.47	0.16	23.0	6.12	4.11	0.46
157549		7.3	12.6	38	24.3	1.98	1.26	0.79	2.38	0.38	0.13	20.1	5.18	3.95	0.35
157550		6.5	12.9	41	23.6	1.97	1.25	0.73	2.35	0.37	0.14	19.6	5.07	3.83	0.34
157551		6.0	13.6	37	25.3	2.16	1.36	0.83	2.64	0.41	0.15	21.4	5.59	4.22	0.38
157552		5.9	13.9	44	22.6	2.14	1.32	0.89	2.76	0.40	0.13	23.4	6.06	4.51	0.38
157553		6.7	12.7	44	27.8	2.05	1.26	0.82	2.50	0.37	0.13	21.1	5.63	4.07	0.36
157554		6.5	11.7	41	29.0	1.85	1.15	0.75	2.26	0.34	0.12	18.4	4.86	3.60	0.33
157555		8.6	13.9	61	26.6	2.22	1.36	0.87	2.69	0.41	0.14	22.7	5.84	4.36	0.39
157556		1.6	10.0	38	62.6	1.45	1.09	0.24	1.35	0.30	0.15	9.1	2.46	1.94	0.23
157557		3.0	12.2	50	45.6	1.83	1.13	0.69	2.22	0.34	0.13	18.7	4.96	3.63	0.32
157558		3.2	10.9	34	39.2	1.66	1.03	0.59	2.03	0.31	0.11	16.1	4.28	3.14	0.30
157559		3.4	11.2	37	38.6	1.67	1.05	0.69	2.05	0.32	0.11	17.5	4.56	3.26	0.29
157560		2.5	11.4	34	41.9	1.72	1.06	0.74	2.15	0.33	0.12	17.9	4.74	3.44	0.30
157561		2.8	10.3	37	45.7	1.58	0.97	0.69	2.01	0.30	0.11	17.7	4.63	3.24	0.28
157562		4.2	11.4	39	43.8	1.71	1.09	0.71	2.12	0.32	0.12	17.3	4.55	3.33	0.31
157563		3.2	10.8	36	44.0	1.65	1.04	0.70	2.03	0.31	0.10	17.0	4.47	3.20	0.30
157564		7.5	11.9	46	61.1	1.88	1.14	0.79	2.30	0.35	0.12	19.5	5.18	3.71	0.33
157565		1.9	11.3	43	40.6	2.18	1.12	0.86	2.75	0.40	0.15	19.9	5.39	3.59	0.40
157566		3.8	8.9	40	35.2	1.76	0.88	0.70	2.15	0.33	0.12	15.7	4.27	2.85	0.32
157567		4.3	10.3	38	39.7	1.98	0.99	0.79	2.49	0.38	0.13	18.0	4.91	3.23	0.36
157568		6.1	10.7	51	54.6	2.11	1.05	0.81	2.60	0.39	0.15	18.4	5.03	3.37	0.39
157569		2.2	12.0	44	41.9	2.30	1.16	0.89	2.85	0.42	0.15	20.8	5.69	3.72	0.42
157570		4.9	10.7	46	36.8	1.91	1.02	0.72	2.42	0.38	0.15	17.8	4.93	3.18	0.36
157571		5.1	10.7	46	35.8	1.93	1.01	0.69	2.34	0.36	0.15	17.6	4.81	3.18	0.35
157572		6.3	9.7	41	32.0	1.78	0.93	0.68	2.24	0.34	0.12	16.5	4.45	2.94	0.32
157573		4.3	10.1	36	34.3	1.80	0.93	0.67	2.26	0.35	0.13	16.3	4.43	2.90	0.32
157574		1.5	13.0	59	72.2	2.49	1.28	0.96	3.08	0.46	0.17	22.4	6.03	4.07	0.45
157575		1.5	12.2	59	66.7	2.33	1.17	0.90	2.98	0.44	0.16	21.8	5.90	3.91	0.43
157576		1.5	13.2	58	73.7	2.45	1.24	0.92	3.09	0.47	0.17	22.2	5.90	4.02	0.45
157577		1.7	12.8	59	78.7	2.46	1.25	0.94	3.08	0.46	0.17	21.9	5.95	3.93	0.44
157578		3.8	9.9	42	56.8	1.91	0.98	0.73	2.36	0.36	0.14	16.5	4.47	2.97	0.35
157579		3.3	9.7	53	58.8	1.82	0.91	0.68	2.25	0.34	0.13	16.8	4.61	3.04	0.33
157580		2.7	9.1	47	55.9	1.80	0.92	0.71	2.31	0.33	0.13	17.6	4.85	3.14	0.34



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CERTIFICATE OF ANALYSIS RE20185806

Sample Description	Method Analyte Units LOD	ME-MS61r	PGM-ICP23	PGM-ICP23	PGM-ICP23	Rh-MS25	Ag-AA45	ME-ICP41	ME-ICP41	ME-HAL01	ME-HAL01	ME-HAL01	ME-HAL01
		Yb	Au	Pt	Pd	Rh	Ag	B	Cu	I	Br	F	Cl
		ppm 0.03	ppm 0.001	ppm 0.005	ppm 0.001	ppm 0.001	ppm 0.2	ppm 10	ppm 1	ppm 0.002	ppm 0.02	ppm 0.05	ppm 0.1
157541		1.40	0.004	<0.005	0.001	<0.001	0.3	100	17				
157542		1.31	0.006	<0.005	0.001	<0.001	0.2	100	17				
157543													
157544		1.21	0.017	<0.005	0.001	<0.001	0.3	20	12				
157545		1.00	0.012	<0.005	0.001	<0.001	<0.2	30	12				
157546		0.86	0.023	<0.005	0.001	<0.001	<0.2	30	11				
157547		1.20	0.022	<0.005	0.001	<0.001	<0.2	20	13				
157548		1.13	0.017	<0.005	0.001	<0.001	<0.2	20	11				
157549		0.96	0.011	<0.005	0.001	<0.001	<0.2	20	9				
157550		0.98	0.011	<0.005	0.001	<0.001	<0.2	20	9				
157551		1.04	0.009	<0.005	0.001	<0.001	0.2	10	8				
157552		1.03	0.013	<0.005	0.001	<0.001	0.2	10	12				
157553		0.93	0.012	<0.005	0.001	<0.001	0.2	20	10				
157554		0.87	0.012	<0.005	0.001	<0.001	0.2	20	9				
157555		1.03	0.018	<0.005	0.001	<0.001	0.2	20	13				
157556		1.08	0.103	<0.005	0.001	<0.001	<0.2	10	4				
157557		0.88	0.004	<0.005	0.001	<0.001	<0.2	70	11				
157558		0.80	0.003	<0.005	<0.001	<0.001	<0.2	40	6				
157559		0.81	0.002	<0.005	0.001	<0.001	0.4	30	9				
157560		0.80	0.001	<0.005	0.001	<0.001	<0.2	20	6				
157561		0.75	0.001	<0.005	0.001	<0.001	<0.2	20	7				
157562		0.81	0.002	<0.005	0.001	<0.001	0.2	30	7				
157563		0.77	0.002	<0.005	<0.001	<0.001	0.2	30	6				
157564		0.85	0.002	<0.005	0.001	<0.001	0.3	30	7				
157565		0.97	0.001	<0.005	0.001	<0.001	<0.2	10	8				
157566		0.78	0.003	<0.005	0.001	<0.001	0.2	50	7				
157567		0.85	0.002	<0.005	<0.001	<0.001	<0.2	40	7				
157568		0.96	0.004	<0.005	0.001	<0.001	<0.2	40	9				
157569		1.01	0.002	<0.005	0.001	<0.001	<0.2	20	7				
157570		0.93	0.004	<0.005	0.001	<0.001	<0.2	60	9				
157571		0.96	0.004	<0.005	0.001	<0.001	<0.2	60	10				
157572		0.81	0.002	<0.005	0.001	<0.001	<0.2	50	7				
157573		0.83	0.003	<0.005	0.001	<0.001	<0.2	30	6				
157574		1.07	0.001	<0.005	0.001	<0.001	<0.2	<10	9				
157575		0.98	0.001	<0.005	<0.001	<0.001	<0.2	10	9				
157576		1.08	0.001	<0.005	0.001	<0.001	0.2	10	9				
157577		1.09	0.001	<0.005	0.001	<0.001	<0.2	10	9				
157578		0.83	0.003	<0.005	<0.001	<0.001	<0.2	40	6				
157579		0.84	0.010	<0.005	0.001	<0.001	<0.2	40	7				
157580		0.83	0.007	<0.005	0.001	<0.001	<0.2	20	7				



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1712 CAREY AVENUE
SUITE 100
CHEYENNE WY 82001

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Total # Pages: 5 (A - E)
Plus Appendix Pages
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Account: KEERRG

CERTIFICATE OF ANALYSIS RE20185806

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-MS61r Ag ppm 0.01	ME-MS61r Al % 0.01	ME-MS61r As ppm 0.2	ME-MS61r Ba ppm 10	ME-MS61r Be ppm 0.05	ME-MS61r Bi ppm 0.01	ME-MS61r Ca % 0.01	ME-MS61r Cd ppm 0.02	ME-MS61r Ce ppm 0.01	ME-MS61r Co ppm 0.1	ME-MS61r Cr ppm 1	ME-MS61r Cs ppm 0.05	ME-MS61r Cu ppm 0.2	ME-MS61r Fe % 0.01
157581		6.64	0.16	6.45	13.4	1160	1.55	0.07	1.86	0.04	36.3	5.2	18	9.75	8.4	1.78
157582		5.50	0.16	6.03	7.0	1090	1.58	0.09	1.70	0.05	40.7	5.8	24	43.4	9.2	1.72
157583		3.43	0.31	5.89	7.9	1210	1.44	0.07	1.11	0.05	39.2	7.3	39	30.2	10.4	1.93
157584		5.44	0.24	6.12	10.3	990	1.48	0.08	1.11	0.04	39.3	7.3	30	25.6	12.3	2.11
157585		4.59	0.26	6.89	13.6	1290	1.61	0.08	1.31	0.05	41.3	6.5	27	22.0	10.8	2.07
157586		4.72	0.07	7.89	8.6	1100	2.07	0.10	2.23	0.08	48.8	5.5	16	3.20	9.2	1.97
157587		4.09	0.06	6.61	9.7	960	1.69	0.08	4.58	0.07	43.0	5.0	14	4.74	8.9	1.67
157588		4.95	0.07	6.35	9.8	950	1.60	0.08	4.20	0.05	41.2	5.0	16	11.90	9.4	1.64
157589		4.72	0.08	6.63	8.0	970	1.75	0.10	2.74	0.05	44.8	6.6	19	27.6	10.8	1.96
157590		0.04	0.01	0.36	0.5	30	0.08	0.01	0.01	<0.02	10.15	0.1	4	0.19	1.2	0.08
157591		5.81	0.08	6.70	10.0	1020	1.78	0.10	3.41	0.07	42.6	5.9	16	4.44	11.4	1.80
157592		4.12	0.08	6.46	9.8	950	1.64	0.09	3.76	0.06	38.6	5.4	15	7.13	9.5	1.62
157593		5.33	0.12	6.53	7.8	1080	1.56	0.07	2.06	0.05	36.2	5.3	15	16.30	9.3	1.68
157751		4.51	0.63	7.42	85.9	670	2.07	0.20	4.38	0.14	60.0	14.0	53	7.75	31.3	3.75
157752		6.48	0.23	6.76	49.5	640	1.57	0.14	7.74	0.25	52.7	10.2	44	4.80	19.7	2.85
157753		4.65	0.33	7.37	51.8	690	1.87	0.17	6.52	0.26	59.7	12.6	52	6.21	25.6	3.43
157754		5.12	0.34	7.44	53.0	790	1.87	0.17	5.85	0.25	58.8	12.4	46	6.16	25.5	3.36
157755		3.36	1.26	7.19	100.0	660	1.73	0.18	6.14	0.22	56.3	11.8	40	6.61	25.8	3.29
157756		5.32	0.42	6.20	80.8	570	1.65	0.16	10.40	0.42	50.5	10.9	35	5.47	26.2	2.88
157757		3.35	0.21	7.83	69.2	720	2.30	0.21	4.89	0.27	67.4	15.2	54	7.36	31.7	3.84
157758		5.85	0.42	7.12	43.4	600	2.22	0.21	7.72	0.35	60.7	14.3	40	6.62	29.9	3.56
157759		6.23	0.46	6.62	49.0	580	1.83	0.16	6.96	0.21	52.2	10.4	33	5.19	23.2	2.88
157760		4.49	0.23	4.01	31.1	520	0.96	0.09	17.35	0.15	34.2	5.7	20	2.67	12.8	1.53
157761		5.70	0.30	5.58	17.8	730	1.33	0.11	7.41	0.12	51.8	5.9	24	2.50	11.5	1.73
157762		4.64	0.27	5.52	17.7	710	1.24	0.10	7.43	0.11	48.9	5.9	24	2.41	11.2	1.75
157763		5.85	0.30	5.77	33.2	730	1.30	0.11	5.24	0.17	52.6	6.5	28	2.96	14.3	2.10
157764		5.10	0.19	5.73	21.3	540	1.38	0.12	11.70	0.18	44.3	8.4	25	3.66	19.5	2.42
157765		4.51	0.13	5.27	15.0	590	1.25	0.12	13.95	0.15	43.7	8.4	23	3.48	17.7	2.22
157766		5.09	0.11	6.25	11.9	830	1.29	0.10	8.36	0.11	49.5	6.4	22	2.36	13.0	1.92
157767		5.08	0.17	6.81	5.4	930	1.61	0.10	3.45	0.10	57.5	5.8	19	1.98	11.5	1.92
157768		4.61	0.08	7.18	31.4	720	2.19	0.21	4.22	0.18	63.5	10.9	29	6.06	27.1	3.16
157769		5.71	0.18	7.12	45.1	710	2.00	0.18	4.61	0.25	58.9	9.7	26	5.35	21.9	2.82
157770		4.99	0.14	7.14	46.1	680	1.95	0.20	4.68	0.21	59.2	10.5	27	5.88	24.0	2.95
157771		6.86	0.20	6.87	55.3	700	1.94	0.18	4.79	0.23	53.9	9.1	25	5.13	21.0	2.65
157772		11.91	0.14	6.45	33.6	1070	1.74	0.11	2.44	0.12	41.2	4.0	11	2.53	8.5	1.40
157773		5.47	0.14	5.85	30.6	530	1.54	0.14	9.76	0.17	49.0	9.0	27	4.78	22.1	2.42
157774		6.18	0.15	5.89	16.5	790	1.18	0.08	6.98	0.10	45.3	4.3	28	1.65	8.4	1.36
157775		5.92	0.20	6.04	23.5	830	1.34	0.11	6.45	0.13	55.7	6.1	23	1.95	11.7	1.88
157776		5.98	0.10	6.26	15.1	800	1.46	0.12	3.94	0.08	64.1	5.1	22	2.08	10.1	1.90
157777		3.74	0.14	5.98	26.3	680	1.29	0.11	8.77	0.12	52.0	7.7	27	3.38	17.2	2.11



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Sample Description	Method Analyte Units LOD	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
157581		16.00	0.15	1.6	0.023	2.18	20.1	45.2	0.50	219	0.62	2.14	8.2	11.0	490
157582		15.05	0.16	1.4	0.025	1.97	21.4	92.0	0.60	222	0.67	2.18	7.0	10.0	240
157583		15.00	0.15	1.7	0.027	1.75	21.6	73.2	0.70	198	0.48	1.65	5.6	12.9	210
157584		15.35	0.14	1.6	0.027	1.79	20.6	64.0	0.77	203	0.55	1.59	6.2	13.5	170
157585		17.05	0.17	1.8	0.027	2.18	22.8	57.2	0.61	220	0.61	2.11	7.5	12.8	290
157586		19.45	0.19	1.5	0.028	2.73	25.8	39.2	0.49	323	0.68	2.54	9.1	10.8	510
157587		16.65	0.19	1.1	0.024	2.43	23.3	49.1	0.52	242	0.60	2.07	7.4	9.2	610
157588		15.75	0.18	1.0	0.025	2.32	22.1	92.7	0.63	217	0.61	1.91	6.8	9.0	530
157589		16.85	0.16	1.3	0.030	2.23	23.4	105.5	0.74	297	0.76	2.10	8.4	11.1	430
157590		0.97	0.10	0.2	<0.005	0.12	4.7	2.2	0.02	<5	<0.05	0.01	0.7	0.8	10
157591		17.45	0.17	1.4	0.027	2.40	23.1	58.0	0.66	271	0.69	1.98	7.9	12.3	490
157592		16.60	0.19	1.2	0.026	2.36	20.9	54.5	0.55	234	0.54	1.95	7.2	9.6	590
157593		16.65	0.16	1.4	0.023	2.42	19.5	49.6	0.46	242	0.57	2.06	6.4	10.4	470
157751		22.4	0.19	1.4	0.058	2.28	29.6	153.5	1.82	753	7.50	1.77	11.0	37.5	870
157752		17.10	0.18	1.0	0.043	2.03	26.9	162.5	1.68	594	2.26	2.07	11.0	26.8	760
157753		20.2	0.18	1.2	0.052	2.29	29.9	174.0	1.87	652	1.67	1.88	12.2	34.0	840
157754		20.3	0.19	1.2	0.053	2.28	29.6	148.0	1.75	721	1.89	1.87	12.0	32.3	850
157755		20.2	0.16	1.3	0.052	2.18	28.3	163.5	1.71	650	4.07	1.80	11.3	28.0	780
157756		17.35	0.14	1.2	0.047	1.98	25.8	179.5	1.68	582	2.60	1.58	9.9	27.6	710
157757		23.1	0.14	1.4	0.061	2.48	33.4	183.5	1.98	826	1.96	1.62	12.8	41.0	900
157758		21.6	0.13	1.3	0.056	2.10	29.7	165.5	1.90	961	1.20	1.37	11.7	32.7	840
157759		18.30	0.13	1.2	0.045	2.01	26.0	158.0	1.66	535	2.95	2.19	10.4	24.0	660
157760		10.55	0.10	0.7	0.027	1.18	17.2	96.6	1.34	297	1.07	1.53	6.9	12.7	520
157761		13.75	0.12	0.7	0.031	1.62	26.2	57.3	0.77	264	0.68	2.02	10.4	13.8	420
157762		13.20	0.12	0.7	0.028	1.58	24.7	55.9	0.77	267	0.71	2.00	9.8	13.6	400
157763		14.30	0.15	0.7	0.029	1.68	27.4	45.5	0.69	335	0.81	1.79	9.8	17.5	460
157764		15.10	0.11	0.9	0.039	1.65	22.0	90.5	1.57	506	2.87	2.12	8.9	16.2	670
157765		14.30	0.10	0.8	0.036	1.51	22.2	62.8	1.39	423	0.93	1.98	9.0	16.1	490
157766		14.80	0.12	0.6	0.032	1.65	25.1	35.0	0.83	342	1.09	2.28	9.4	14.2	440
157767		16.65	0.14	0.7	0.034	1.85	28.0	30.6	0.55	244	0.73	2.46	11.3	11.1	380
157768		22.2	0.16	1.5	0.054	2.37	32.9	115.0	1.33	618	13.75	2.62	12.3	20.4	860
157769		20.6	0.15	1.4	0.049	2.35	30.2	157.5	1.37	618	25.1	3.43	11.7	18.8	750
157770		20.9	0.16	1.4	0.051	2.31	30.3	194.5	1.67	634	17.85	3.81	12.3	20.5	850
157771		19.55	0.15	1.3	0.044	2.28	27.8	152.0	1.33	538	12.20	3.48	11.0	17.3	720
157772		17.30	0.14	0.9	0.023	2.83	21.1	48.4	0.38	222	9.78	2.61	8.8	7.0	380
157773		16.40	0.14	1.1	0.039	1.72	24.2	130.0	1.54	479	4.42	2.27	8.9	20.5	600
157774		13.20	0.14	0.5	0.027	1.56	23.6	36.6	0.54	231	1.15	2.56	9.0	10.0	370
157775		14.70	0.13	0.6	0.034	1.57	27.9	36.1	0.57	344	1.34	2.30	11.3	13.8	480
157776		15.30	0.15	0.7	0.034	1.74	31.2	39.2	0.56	271	0.88	2.40	12.8	11.6	320
157777		14.90	0.12	0.8	0.035	1.68	23.4	77.9	1.35	395	2.09	2.23	9.0	18.6	480



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Sample Description	Method Analyte Units LOD	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.01	% 0.005	ppm 0.02	ppm 0.1
157581		81.6	<0.002	0.02	3.79	4.5	1	1.1	443	0.65	<0.05	4.37	0.237	0.39	1.8
157582		85.3	<0.002	0.06	5.09	5.0	<1	1.0	479	0.45	<0.05	5.67	0.224	0.32	2.4
157583		71.4	<0.002	0.02	5.24	5.4	1	0.9	380	0.36	<0.05	4.11	0.203	0.30	4.5
157584		76.0	<0.002	0.02	4.80	5.4	<1	1.0	378	0.41	<0.05	4.57	0.205	0.31	4.5
157585		82.9	<0.002	0.02	4.37	5.3	1	1.1	470	0.50	<0.05	4.47	0.259	0.38	3.0
157586		88.9	<0.002	0.02	2.56	4.8	1	1.2	572	0.61	<0.05	7.11	0.272	0.45	1.4
157587		81.4	<0.002	0.03	2.47	4.2	1	0.9	563	0.48	<0.05	7.18	0.214	0.40	2.2
157588		83.9	<0.002	0.03	2.86	4.3	1	1.0	548	0.45	<0.05	5.85	0.196	0.38	2.3
157589		91.8	<0.002	0.03	3.58	5.5	1	1.1	523	0.57	<0.05	7.33	0.251	0.39	2.5
157590		3.4	<0.002	<0.01	0.15	0.4	1	<0.2	4.2	<0.05	<0.05	1.49	0.027	0.02	0.2
157591		83.5	<0.002	0.02	3.14	5.0	1	1.1	533	0.51	<0.05	6.04	0.232	0.40	2.0
157592		84.9	<0.002	0.02	2.82	4.5	<1	1.0	534	0.49	<0.05	5.68	0.200	0.40	2.0
157593		81.2	<0.002	0.01	3.33	4.1	<1	0.9	511	0.41	<0.05	4.75	0.203	0.38	1.5
157751		103.5	0.007	1.06	12.50	12.0	3	1.9	649	0.74	<0.05	10.25	0.344	0.61	2.6
157752		82.2	0.002	0.28	6.83	9.2	1	1.6	749	0.72	<0.05	7.75	0.354	0.45	3.8
157753		98.8	<0.002	0.10	7.81	10.9	1	1.9	631	0.82	<0.05	9.48	0.392	0.54	3.8
157754		96.2	<0.002	0.12	7.67	10.5	1	1.9	567	0.80	<0.05	8.99	0.376	0.53	3.7
157755		95.8	0.002	1.35	14.20	10.3	2	1.8	655	0.78	<0.05	9.21	0.338	0.55	5.7
157756		87.0	<0.002	0.24	8.37	8.6	1	1.6	622	0.67	<0.05	8.25	0.313	0.49	10.2
157757		113.5	<0.002	0.11	8.35	11.7	1	2.0	431	0.84	<0.05	11.15	0.395	0.60	4.9
157758		103.0	<0.002	0.05	5.92	11.1	1	1.9	606	0.78	<0.05	10.25	0.340	0.56	5.6
157759		85.2	<0.002	0.27	6.78	8.8	1	1.6	770	0.69	<0.05	8.62	0.311	0.48	7.4
157760		48.7	<0.002	0.09	3.61	4.9	1	0.9	1150	0.47	<0.05	4.91	0.193	0.26	8.7
157761		60.2	<0.002	0.03	4.56	5.5	1	1.2	672	0.72	<0.05	7.39	0.267	0.32	4.6
157762		58.1	<0.002	0.03	4.30	5.3	1	1.2	672	0.68	<0.05	6.87	0.257	0.32	4.7
157763		63.7	<0.002	0.02	6.45	5.9	1	1.2	492	0.71	<0.05	7.49	0.276	0.37	3.1
157764		69.0	<0.002	0.40	3.08	7.1	1	1.3	839	0.58	<0.05	6.67	0.293	0.37	4.1
157765		67.0	<0.002	0.06	3.26	6.8	1	1.2	615	0.60	<0.05	6.63	0.273	0.36	3.3
157766		60.4	<0.002	0.03	3.61	5.9	1	1.2	621	0.63	<0.05	6.79	0.266	0.33	1.9
157767		61.9	<0.002	0.01	2.69	6.0	1	1.3	516	0.76	<0.05	7.84	0.291	0.34	1.9
157768		111.0	0.008	1.17	3.28	9.6	2	2.0	579	0.83	<0.05	11.70	0.328	0.58	3.5
157769		102.5	0.011	0.70	3.21	8.4	2	1.9	820	0.80	<0.05	10.45	0.318	0.55	4.8
157770		104.0	0.016	0.22	3.39	8.8	2	1.9	627	0.83	<0.05	10.75	0.330	0.54	4.1
157771		97.4	0.014	0.17	3.10	7.5	2	1.8	593	0.76	<0.05	11.10	0.286	0.51	5.8
157772		96.5	0.003	0.12	1.55	3.7	1	1.3	518	0.64	<0.05	6.81	0.175	0.50	3.7
157773		74.9	<0.002	0.25	4.38	7.7	1	1.4	769	0.60	<0.05	8.03	0.259	0.40	4.5
157774		51.5	<0.002	0.03	3.96	4.5	1	1.0	709	0.64	<0.05	5.80	0.239	0.28	2.5
157775		53.7	<0.002	0.04	4.54	5.8	1	1.2	590	0.78	<0.05	6.88	0.309	0.32	3.1
157776		58.4	<0.002	0.02	4.52	6.0	1	1.4	493	0.89	<0.05	8.61	0.326	0.33	3.1
157777		66.3	<0.002	0.10	4.93	6.8	1	1.2	863	0.59	<0.05	7.46	0.250	0.35	3.6



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CERTIFICATE OF ANALYSIS RE20185806

Sample Description	Method Analyte Units LOD	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
		W	Y	Zn	Zr	Dy	Er	Eu	Gd	Ho	Lu	Nd	Pr	Sm	Tb
		ppm 0.1	ppm 0.1	ppm 2	ppm 0.5	ppm 0.05	ppm 0.03	ppm 0.03	ppm 0.05	ppm 0.01	ppm 0.01	ppm 0.1	ppm 0.03	ppm 0.03	ppm 0.01
157581		2.8	9.7	45	54.6	1.87	0.93	0.73	2.35	0.35	0.13	17.4	4.73	3.15	0.34
157582		4.8	10.7	44	47.0	2.04	1.03	0.77	2.53	0.38	0.14	17.6	4.82	3.20	0.36
157583		3.0	9.5	49	60.6	1.91	0.92	0.72	2.51	0.35	0.13	17.9	4.91	3.24	0.36
157584		2.4	10.3	53	56.1	2.04	1.01	0.72	2.50	0.37	0.14	17.7	4.80	3.25	0.37
157585		3.0	10.4	51	62.8	2.09	1.03	0.82	2.65	0.38	0.13	19.2	5.26	3.51	0.39
157586		1.6	11.9	45	44.6	2.33	1.17	0.97	2.96	0.43	0.16	21.5	5.88	3.87	0.44
157587		2.7	10.4	41	34.0	1.97	1.00	0.80	2.56	0.37	0.13	19.0	5.20	3.41	0.36
157588		4.7	9.8	42	32.8	1.91	0.94	0.76	2.41	0.35	0.13	17.9	4.90	3.22	0.35
157589		6.0	12.2	52	40.7	2.32	1.22	0.85	2.85	0.44	0.16	19.6	5.36	3.54	0.42
157590		0.1	1.1	<2	6.7	0.24	0.12	0.10	0.36	0.04	0.02	3.8	1.08	0.61	0.05
157591		3.4	11.2	48	44.6	2.13	1.08	0.82	2.63	0.39	0.15	19.1	5.23	3.42	0.38
157592		5.6	10.4	42	38.8	1.96	0.99	0.77	2.42	0.37	0.14	17.5	4.75	3.14	0.36
157593		4.5	10.0	39	46.8	1.90	0.96	0.78	2.37	0.36	0.13	16.6	4.54	2.99	0.35
157751		11.3	15.6	112	44.3	3.03	1.59	1.00	3.67	0.57	0.21	25.2	6.83	4.66	0.54
157752		7.7	14.4	80	35.8	2.75	1.45	0.93	3.32	0.52	0.19	23.1	6.30	4.32	0.49
157753		9.2	16.0	100	38.5	3.06	1.59	1.02	3.74	0.58	0.21	25.9	7.00	4.79	0.55
157754		10.8	15.8	97	36.4	3.03	1.60	1.00	3.65	0.57	0.21	25.4	6.85	4.64	0.54
157755		13.4	14.9	97	40.8	2.89	1.51	0.94	3.48	0.55	0.20	24.1	6.53	4.48	0.51
157756		8.4	12.8	91	39.4	2.43	1.33	0.77	2.96	0.47	0.18	19.7	5.43	3.70	0.44
157757		8.8	16.5	116	45.3	3.19	1.62	1.03	3.90	0.61	0.24	25.7	7.12	4.88	0.57
157758		9.3	15.4	106	41.4	2.98	1.53	0.94	3.58	0.57	0.24	23.1	6.35	4.44	0.53
157759		7.7	13.5	84	37.7	2.56	1.35	0.85	3.18	0.50	0.19	20.5	5.57	3.83	0.47
157760		4.5	8.5	44	21.0	1.62	0.84	0.54	2.00	0.31	0.12	13.5	3.70	2.56	0.29
157761		5.1	13.5	37	18.9	2.50	1.30	0.86	3.02	0.49	0.18	21.0	5.70	3.89	0.45
157762		4.9	13.0	37	18.8	2.39	1.26	0.81	2.88	0.46	0.18	19.8	5.40	3.71	0.42
157763		6.9	13.0	44	21.7	2.45	1.24	0.85	3.00	0.46	0.18	21.0	5.80	3.88	0.44
157764		3.3	11.7	73	28.2	2.19	1.16	0.70	2.67	0.42	0.16	17.9	4.89	3.44	0.39
157765		3.4	11.8	62	25.4	2.17	1.15	0.72	2.64	0.42	0.16	17.9	4.83	3.45	0.39
157766		3.8	12.5	42	17.2	2.35	1.19	0.83	2.89	0.45	0.17	20.3	5.48	3.82	0.43
157767		2.9	13.5	39	17.7	2.63	1.32	1.00	3.32	0.49	0.18	23.5	6.42	4.35	0.48
157768		4.2	15.7	97	45.7	3.02	1.55	0.92	3.63	0.57	0.23	24.5	6.74	4.66	0.54
157769		7.1	14.9	86	41.5	2.81	1.45	0.91	3.46	0.55	0.21	23.2	6.38	4.34	0.51
157770		7.8	15.2	94	42.5	2.88	1.52	0.91	3.46	0.55	0.21	23.0	6.38	4.43	0.51
157771		6.3	13.9	81	39.3	2.66	1.38	0.85	3.17	0.51	0.19	21.2	5.83	3.99	0.47
157772		2.2	10.9	32	24.7	2.05	1.03	0.72	2.55	0.39	0.15	17.3	4.76	3.23	0.38
157773		5.0	11.9	72	33.4	2.28	1.14	0.73	2.81	0.44	0.17	19.3	5.24	3.63	0.41
157774		4.6	11.4	27	13.6	2.12	1.05	0.78	2.64	0.41	0.15	18.8	5.12	3.52	0.39
157775		7.4	13.9	38	15.8	2.66	1.33	0.96	3.32	0.51	0.19	23.3	6.26	4.38	0.48
157776		4.0	15.1	35	18.0	2.93	1.50	1.06	3.62	0.55	0.20	26.2	7.17	4.78	0.53
157777		5.1	13.0	55	22.3	2.20	1.17	0.74	2.75	0.43	0.17	19.4	5.30	3.68	0.40



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Sample Description	Method Analyte Units LOD	ME-MS61r	PGM-ICP23	PGM-ICP23	PGM-ICP23	Rh-MS25	Ag-AA45	ME-ICP41	ME-ICP41	ME-HAL01	ME-HAL01	ME-HAL01	ME-HAL01
		Yb	Au	Pt	Pd	Rh	Ag	B	Cu	I	Br	F	Cl
		ppm 0.03	ppm 0.001	ppm 0.005	ppm 0.001	ppm 0.001	ppm 0.2	ppm 10	ppm 1	ppm 0.002	ppm 0.02	ppm 0.05	ppm 0.1
157581		0.84	0.005	<0.005	0.002	<0.001	<0.2	20	6				
157582		0.93	0.002	<0.005	<0.001	<0.001	0.3	40	7				
157583		0.81	0.001	<0.005	<0.001	<0.001	0.2	30	8				
157584		0.88	0.006	<0.005	0.002	<0.001	<0.2	30	10				
157585		0.89	0.002	<0.005	0.001	<0.001	0.2	20	8				
157586		1.05	0.001	<0.005	0.001	<0.001	0.2	10	7				
157587		0.86	0.001	<0.005	0.001	<0.001	<0.2	30	7				
157588		0.82	0.002	<0.005	<0.001	<0.001	<0.2	50	8				
157589		1.04	0.002	<0.005	0.001	<0.001	<0.2	50	9				
157590		0.10	<0.001	<0.005	0.001	<0.001	<0.2	<10	1				
157591		0.96	0.002	<0.005	<0.001	<0.001	<0.2	20	8				
157592		0.88	0.002	<0.005	0.001	<0.001	<0.2	30	8				
157593		0.85	0.002	<0.005	<0.001	<0.001	<0.2	20	7				
157751		1.44	0.044	<0.005	0.001	<0.001	0.6	100	28				
157752		1.28	0.016	<0.005	0.001	<0.001	<0.2	70	20				
157753		1.44	0.017	<0.005	0.001	<0.001	0.3	80	23				
157754		1.40	0.016	<0.005	0.001	<0.001	0.2	70	23				
157755		1.34	0.045	<0.005	0.001	<0.001	1.1	90	23				
157756		1.16	0.020	<0.005	0.001	<0.001	0.4	100	25				
157757		1.50	0.011	<0.005	0.002	<0.001	0.2	80	27				
157758		1.42	0.012	<0.005	0.001	<0.001	0.5	60	26				
157759		1.22	0.028	<0.005	0.002	<0.001	0.5	90	21				
157760		0.79	0.014	<0.005	0.001	<0.001	<0.2	50	11				
157761		1.24	0.014	<0.005	0.001	<0.001	0.3	30	10	0.173	1.53	65.5	1900
157762		1.14	0.016	<0.005	0.001	<0.001	0.3	30	10				
157763		1.12	0.011	<0.005	0.001	<0.001	0.3	20	12				
157764		1.08	0.008	<0.005	0.001	<0.001	0.3	80	19				
157765		1.07	0.006	<0.005	0.001	<0.001	<0.2	50	16				
157766		1.06	0.010	<0.005	0.001	<0.001	<0.2	20	12				
157767		1.21	0.007	<0.005	0.001	<0.001	0.3	20	10				
157768		1.46	0.009	<0.005	0.001	<0.001	<0.2	80	23				
157769		1.35	0.007	<0.005	0.001	<0.001	0.3	120	19				
157770		1.40	0.006	<0.005	0.001	<0.001	<0.2	130	21				
157771		1.26	0.006	<0.005	0.001	<0.001	0.3	120	19				
157772		0.97	0.002	<0.005	<0.001	<0.001	0.2	40	7				
157773		1.05	0.020	<0.005	0.001	<0.001	0.2	80	20				
157774		0.99	0.027	<0.005	0.001	<0.001	<0.2	20	7				
157775		1.21	0.016	<0.005	0.001	<0.001	<0.2	20	10				
157776		1.30	0.011	<0.005	0.001	<0.001	0.2	20	9				
157777		1.07	0.015	<0.005	0.001	<0.001	0.2	50	15				



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Sample Description	Method Analyte Units LOD	WEI-21	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
		Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
157778		4.24	0.07	6.15	20.4	820	1.37	0.11	5.09	0.08	57.6	6.0	21	2.11	11.9
157779		5.08	0.05	7.08	12.6	970	1.93	0.12	2.43	0.06	57.2	5.0	14	2.11	9.9
157780		3.54	0.16	6.54	21.1	900	1.50	0.11	4.77	0.12	61.4	6.2	23	2.21	13.6
157781		4.53	0.07	7.73	55.6	610	2.22	0.23	4.84	0.17	66.3	14.1	40	8.09	33.4
157782		2.98	0.03	7.49	64.5	660	2.09	0.20	3.59	0.13	63.1	14.0	44	7.30	31.4
157783		4.55	0.10	6.23	33.6	530	1.67	0.17	8.08	0.21	55.0	11.1	33	4.96	23.8
157784		4.34	0.07	6.90	24.1	810	1.67	0.12	3.19	0.09	55.6	7.0	26	2.94	14.7
157785		0.06	0.01	0.35	0.5	30	0.06	0.01	0.01	<0.02	11.55	0.1	4	0.17	1.0
157786		5.43	0.12	7.69	28.4	610	2.29	0.25	2.69	0.17	63.5	12.7	35	7.64	31.9
157787		5.05	0.12	6.52	59.7	530	1.94	0.20	6.57	0.14	57.2	11.9	30	6.60	27.9
157788		5.56	0.12	6.34	65.8	540	1.77	0.20	7.21	0.15	55.0	11.8	31	6.62	27.9
157789		4.60	0.17	5.67	101.5	460	1.63	0.18	8.91	0.14	50.1	11.1	29	5.58	26.3



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Sample Description	Method Analyte Units LOD	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
157778		15.25	0.14	0.6	0.032	1.65	28.3	39.6	0.68	281	0.91	2.50	10.8	13.4	450
157779		16.85	0.16	0.7	0.033	1.91	28.5	32.3	0.44	335	0.90	2.69	12.4	8.7	400
157780		16.05	0.15	0.7	0.036	1.76	31.1	38.4	0.60	332	1.22	2.30	11.3	14.6	460
157781		23.9	0.15	1.7	0.066	2.46	32.6	191.0	1.85	799	7.21	2.32	11.9	31.1	960
157782		22.5	0.15	1.5	0.059	2.57	31.6	245	2.25	810	4.49	2.74	12.7	32.9	940
157783		17.85	0.14	1.1	0.047	1.86	27.1	168.5	1.89	724	2.24	2.61	10.4	25.2	760
157784		17.05	0.16	0.7	0.035	1.97	27.4	71.9	0.85	407	1.54	2.77	11.2	17.0	550
157785		0.99	0.09	0.2	<0.005	0.12	5.4	2.4	0.02	<5	0.05	0.01	0.6	0.6	10
157786		23.7	0.15	1.7	0.067	2.37	31.4	143.5	1.65	775	5.73	2.62	13.0	24.1	1050
157787		20.6	0.14	1.5	0.054	2.21	29.4	224	1.76	636	9.43	2.76	11.5	23.7	850
157788		19.45	0.14	1.4	0.054	2.17	28.0	248	2.01	655	11.10	3.00	11.1	24.1	850
157789		17.50	0.12	1.2	0.051	1.78	25.2	226	1.63	567	12.50	3.50	9.5	23.2	680



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CERTIFICATE OF ANALYSIS RE20185806

Sample Description	Method Analyte Units LOD	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.01	% 0.005	ppm 0.02	ppm 0.1
157778		56.8	<0.002	0.02	4.09	5.6	1	1.2	636	0.73	<0.05	7.54	0.277	0.33	2.6
157779		66.4	<0.002	0.01	2.91	5.6	1	1.3	519	0.86	<0.05	8.31	0.267	0.38	2.1
157780		61.1	<0.002	0.02	4.34	6.2	1	1.4	544	0.78	<0.05	8.90	0.285	0.34	2.0
157781		113.0	0.002	1.65	5.74	11.5	1	2.1	763	0.80	<0.05	12.05	0.360	0.63	5.5
157782		114.0	<0.002	0.25	6.10	10.9	1	2.0	480	0.83	<0.05	10.80	0.394	0.60	8.2
157783		84.1	<0.002	0.09	4.38	8.8	1	1.7	729	0.70	<0.05	9.10	0.309	0.45	6.4
157784		70.1	<0.002	0.07	4.58	6.9	1	1.4	500	0.76	<0.05	7.58	0.322	0.39	3.5
157785		3.5	<0.002	<0.01	0.16	0.4	1	<0.2	4.3	<0.05	<0.05	1.80	0.026	0.03	0.3
157786		111.5	0.004	0.42	3.59	11.0	1	2.4	328	0.89	<0.05	12.00	0.364	0.63	2.8
157787		103.5	0.005	3.49	4.08	9.6	1	2.0	1860	0.76	<0.05	10.35	0.326	0.54	5.7
157788		101.0	0.006	3.72	4.45	9.2	1	1.8	2180	0.73	0.06	9.86	0.324	0.55	5.8
157789		84.9	0.007	3.55	4.53	8.5	1	1.7	2910	0.63	0.06	9.22	0.271	0.46	7.2



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Sample Description	Method Analyte Units LOD	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	
		W	Y	Zn	Zr	Dy	Er	Eu	Gd	Ho	Lu	Nd	Pr	Sm	Tb	Tm
		ppm 0.1	ppm 0.1	ppm 2	ppm 0.5	ppm 0.05	ppm 0.03	ppm 0.03	ppm 0.05	ppm 0.01	ppm 0.01	ppm 0.1	ppm 0.03	ppm 0.03	ppm 0.01	ppm 0.01
157778		5.0	13.6	36	15.8	2.53	1.29	0.93	3.18	0.48	0.18	23.3	6.40	4.28	0.46	0.19
157779		3.6	14.1	34	15.8	2.60	1.33	0.96	3.24	0.49	0.20	23.2	6.35	4.33	0.47	0.21
157780		5.2	14.7	41	18.1	2.75	1.40	1.00	3.44	0.54	0.19	24.4	6.72	4.52	0.50	0.21
157781		7.0	16.1	124	55.6	3.08	1.61	0.94	3.74	0.60	0.24	25.0	6.82	4.69	0.56	0.24
157782		8.2	15.8	119	46.2	3.01	1.56	0.94	3.63	0.58	0.22	24.6	6.67	4.64	0.54	0.24
157783		6.0	13.4	85	34.6	2.55	1.33	0.81	3.08	0.49	0.18	21.4	5.83	4.07	0.46	0.20
157784		4.6	13.8	53	21.4	2.61	1.35	0.96	3.24	0.51	0.18	22.8	6.17	4.21	0.48	0.20
157785		0.1	1.1	<2	6.7	0.26	0.12	0.10	0.40	0.05	0.02	4.1	1.16	0.67	0.05	0.02
157786		4.4	16.5	126	53.7	3.16	1.65	0.91	3.77	0.62	0.24	24.9	6.89	4.82	0.57	0.25
157787		6.7	14.1	105	46.6	2.69	1.43	0.83	3.25	0.52	0.20	22.2	6.09	4.20	0.48	0.21
157788		8.1	13.3	103	44.7	2.59	1.36	0.79	3.08	0.50	0.20	21.3	5.88	4.02	0.46	0.20
157789		8.2	12.0	89	38.2	2.28	1.21	0.69	2.78	0.44	0.17	19.3	5.29	3.64	0.41	0.18



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CERTIFICATE OF ANALYSIS RE20185806

Sample Description	Method Analyte Units LOD	ME-MS61r	PGM-ICP23	PGM-ICP23	PGM-ICP23	Rh-MS25	Ag-AA45	ME-ICP41	ME-ICP41	ME-HAL01	ME-HAL01	ME-HAL01	ME-HAL01
		Yb ppm 0.03	Au ppm 0.001	Pt ppm 0.005	Pd ppm 0.001	Rh ppm 0.001	Ag ppm 0.2	B ppm 10	Cu ppm 1	I ppm 0.002	Br ppm 0.02	F ppm 0.05	Cl ppm 0.1
157778		1.18	0.016	<0.005	0.001	<0.001	<0.2	20	11				
157779		1.29	0.004	<0.005	0.001	<0.001	<0.2	10	8				
157780		1.28	0.008	<0.005	0.001	<0.001	<0.2	20	11				
157781		1.50	0.017	<0.005	0.001	<0.001	0.3	150	29				
157782		1.47	0.010	<0.005	0.001	<0.001	<0.2	160	28				
157783		1.20	0.014	<0.005	0.001	<0.001	<0.2	90	22	0.236	6.58	50.9	>10000
157784		1.20	0.008	<0.005	0.001	<0.001	<0.2	40	13				
157785		0.11	<0.001	<0.005	0.001	<0.001	0.2	<10	1				
157786		1.54	0.010	<0.005	0.001	<0.001	0.3	100	30				
157787		1.31	0.010	<0.005	0.001	<0.001	<0.2	170	24				
157788		1.28	0.009	<0.005	0.001	<0.001	<0.2	180	26				
157789		1.15	0.012	<0.005	0.001	<0.001	0.2	140	23	0.427	19.35	53.0	>10000



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CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REEs may not be totally soluble in this method.
ME-MS61r

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Reno located at 4977 Energy Way, Reno, NV, USA.
CRU-31 CRU-QC
LOG-24 PUL-31
WEI-21

DRY-22 LOG-22
PUL-QC SND-ALS

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Ag-AA45 HAL-PREP01
ME-MS61r PGM-ICP23

ME-HAL01 ME-ICP41
Rh-MS25