



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Submitted By: Dave Sacco
Receiving Lab: Canada-Vancouver
Received: November 15, 2022
Analysis Start: December 13, 2022
Report Date: February 07, 2023
Page: 1 of 5

CERTIFICATE OF ANALYSIS

VAN22003353.1

CLIENT JOB INFORMATION

Project: AER
Shipment ID: 33571611
P.O. Number: 2207801
Number of Samples: 91

SAMPLE DISPOSAL

IMM-PLP Return immediately after analysis
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

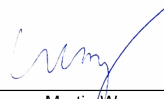
Invoice To: Palmer
470 Granville St. - Suite 630
Vancouver British Columbia V6C 1V5
Canada

CC: Dean Meek

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS230	81	Dry at 60C sieve 100g to -230 mesh			VAN
SLBHP	10	Sort, label and box pulps			VAN
LF100-EXT	91	LiBO2/Li2B4O7 fusion ICP-MS analysis	0.2	Completed	VAN
LF300	91	LiBO2/Li2B4O7 fusion ICP-ES analysis	0.2	Completed	VAN
AQ251_EXT_REE	91	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS


Martin Wong
Data Validation Specialist

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Project: AER
Report Date: February 07, 2023

Page: 2 of 5

Part: 1 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

Method		WGHT	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
Analyte		Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
AERSR223001	Pulp DUP		754	1	7.6	4.4	11.5	10.3	11.8	68.5	<1	167.3	0.8	8.3	3.2	103	1.1	417.4	23.1	28.8	51.8
AERSR223002	Stream	1.13	119	2	1.9	1.7	2.8	5.5	3.6	29.4	<1	112.3	0.2	2.5	1.9	22	0.6	234.4	9.6	9.4	17.5
AERSR223003	Stream	1.46	187	<1	3.4	1.9	5.6	8.8	5.4	42.3	2	135.0	0.3	4.2	2.8	40	<0.5	373.7	15.5	15.5	27.5
AERSR223004	Stream	1.21	469	3	6.4	4.2	10.0	10.0	10.7	69.9	3	123.3	0.7	7.6	3.2	91	1.3	418.2	24.5	24.3	46.3
AERSR223005	Stream	1.55	685	<1	6.7	5.1	11.4	7.7	11.0	75.8	1	193.5	0.7	7.9	2.8	108	1.3	302.1	25.0	26.5	49.3
AERSR223006	Stream	1.51	579	6	7.4	3.9	11.0	19.7	11.1	68.1	1	108.4	0.8	10.3	4.2	111	1.7	799.4	28.4	32.4	61.4
AERSR223007	Rock Pulp	0.07	455	4	51.0	1.9	13.5	3.8	16.0	37.2	6	381.9	0.4	4.2	0.8	56	<0.5	153.7	10.9	31.1	54.4
AERSR223008	Stream	1.52	473	<1	6.5	3.7	8.3	10.4	7.6	54.0	<1	118.5	0.5	7.5	2.8	76	1.0	421.9	21.2	24.1	41.5
AERSR223009	Stream	1.62	708	5	8.2	4.5	11.5	10.9	11.6	69.9	<1	158.5	0.7	8.0	3.2	111	1.0	422.4	26.9	29.6	51.6
AERSR223010	Stream	1.42	743	<1	8.0	4.0	11.4	10.0	11.4	69.5	1	174.2	0.8	8.8	3.4	103	1.0	395.2	24.3	29.7	54.2
AERSR223011	Stream	2.01	1169	6	9.1	4.8	14.1	14.2	12.3	66.1	1	176.8	0.9	9.7	3.8	107	1.4	566.2	29.8	30.6	61.7
AERSR223012	Stream	2.08	1043	3	8.4	6.6	13.3	8.6	11.0	88.2	1	157.3	0.7	9.3	3.5	137	1.3	326.3	29.9	29.9	55.5
AERSR223013	Stream	1.34	502	3	5.5	3.5	8.4	6.9	7.8	58.5	1	169.3	0.6	6.2	2.6	64	1.1	282.3	17.6	21.4	40.3
AERSR223014	Stream	1.48	662	3	9.1	4.8	12.3	12.8	15.9	79.9	2	125.6	1.0	11.1	4.3	106	1.6	506.5	29.7	31.9	65.8
AERSR223015	Stream	1.59	668	1	5.6	3.6	9.3	12.4	10.3	64.3	<1	124.0	0.7	8.1	3.4	105	1.3	496.4	24.2	27.4	45.9
AERSR223016	Stream	1.90	1055	1	16.0	4.7	16.4	5.5	9.9	69.3	1	246.2	0.7	7.3	3.0	137	1.6	201.2	24.5	25.0	49.5
AERSR223017	Stream	1.27	756	<1	8.5	5.4	12.4	5.8	8.2	74.0	<1	104.8	0.5	7.4	3.8	133	1.1	216.9	27.1	24.6	42.9
AERSR223018	Stream	1.53	880	6	12.7	4.8	14.3	9.1	9.9	62.2	2	201.9	0.6	7.6	3.4	138	1.3	349.9	26.0	26.7	51.9
AERSR223019	Stream	2.05	634	<1	7.1	3.7	10.7	8.7	12.1	58.9	3	352.8	0.8	7.4	3.3	104	1.8	360.4	23.5	25.3	47.7
AERSR223020	Stream	2.10	489	2	8.0	3.9	11.0	9.6	14.9	68.4	3	110.5	1.1	9.0	3.5	103	1.2	373.8	24.8	28.9	53.7
AERSR223021	Pulp DUP		833	3	7.5	4.5	11.0	12.0	12.1	70.9	1	153.6	0.8	8.9	3.9	120	1.0	482.1	26.0	28.9	52.4
AERSR223022	Stream	1.06	519	2	8.6	4.0	9.0	5.5	7.7	51.5	<1	106.6	0.5	5.8	2.8	87	1.1	215.5	20.0	18.8	36.2
AERSR223023	Stream	2.10	762	<1	7.1	4.2	10.8	16.1	13.2	66.8	2	199.8	0.9	9.1	3.8	105	1.4	625.7	26.7	29.9	57.3
AERSR223024	Stream	1.80	749	1	12.0	5.0	14.2	7.3	11.0	72.4	1	159.5	0.7	8.0	3.6	117	1.0	282.5	27.1	26.6	51.6
AERSR223025	Stream	1.79	923	1	9.5	4.8	12.6	10.6	14.2	79.2	1	215.2	0.8	8.8	3.8	125	1.6	429.7	27.6	30.5	56.7
AERSR223026	Stream	1.45	721	1	8.3	5.3	11.2	9.9	11.5	72.4	1	151.1	0.7	8.5	3.3	107	1.5	403.1	24.6	28.7	53.0
AERSR223027	Stream	1.84	898	1	9.1	5.4	13.5	15.5	13.5	78.1	1	185.5	0.8	10.1	4.1	138	1.2	620.7	31.2	33.5	64.8
AERSR223028	Stream	1.52	897	<1	8.4	6.1	13.8	7.1	10.4	88.2	4	156.3	0.8	8.3	3.7	136	1.3	296.7	27.8	28.3	50.1
AERSR223029	Stream	1.53	912	<1	8.5	4.8	11.9	12.9	12.4	76.5	<1	163.4	0.8	8.9	4.2	121	1.3	527.5	28.7	29.6	55.7
AERSR223030	Stream	1.75	878	<1	8.4	4.9	11.7	11.9	13.3	74.9	2	161.8	0.8	8.1	3.9	123	1.6	478.9	27.4	28.4	52.6



BUREAU MINERAL LABORATORIES
VERITAS Canada

www.bvna.com/mining-laboratory-services

Client: **Palmer**
470 Granville St. - Suite 630
Vancouver British Columbia V6C 1V5 Canada

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Project: AER
Report Date: February 07, 2023

Page: 2 of 5

Part: 2 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

Method Analyte Unit MDL		LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
AERSR223001	Pulp DUP	6.42	24.8	4.49	0.93	4.17	0.62	3.67	0.84	2.42	0.37	2.36	0.37	0.8	18.4	10.8	79	20.9	5.3	0.6	0.2
AERSR223002	Stream	2.19	8.2	1.56	0.33	1.53	0.23	1.50	0.30	0.95	0.12	0.99	0.14	0.6	6.8	5.2	45	9.9	5.2	0.3	0.3
AERSR223003	Stream	3.41	12.9	2.23	0.51	2.38	0.37	2.36	0.44	1.51	0.21	1.66	0.24	0.8	8.3	7.5	76	14.5	2.0	0.4	0.3
AERSR223004	Stream	5.64	21.7	3.90	0.84	3.91	0.61	3.90	0.74	2.55	0.34	2.50	0.39	1.4	19.6	8.8	79	23.6	3.4	1.0	0.4
AERSR223005	Stream	6.02	23.4	4.69	0.95	4.35	0.65	3.90	0.83	2.47	0.36	2.36	0.36	1.0	17.4	11.0	79	20.3	4.5	0.5	0.3
AERSR223006	Stream	7.41	28.3	5.45	1.01	4.83	0.73	4.30	0.96	2.93	0.42	3.07	0.49	1.0	14.0	10.7	88	22.5	5.2	0.6	0.3
AERSR223007	Rock Pulp	6.69	24.9	3.96	0.95	2.91	0.34	2.07	0.37	1.11	0.14	1.03	0.14	12.0	153.6	264.6	209	79.7	9.4	0.5	0.2
AERSR223008	Stream	5.31	20.2	3.83	0.71	3.54	0.53	3.24	0.66	2.17	0.30	2.11	0.30	0.6	10.7	7.9	68	17.1	4.4	0.5	0.2
AERSR223009	Stream	6.42	23.9	4.62	0.93	4.23	0.65	4.05	0.80	2.46	0.36	2.57	0.38	0.8	18.3	10.7	81	21.4	5.2	0.6	0.3
AERSR223010	Stream	6.55	24.0	4.40	0.96	4.16	0.64	4.08	0.82	2.38	0.35	2.41	0.39	0.8	18.5	11.0	78	20.8	5.2	0.6	0.3
AERSR223011	Stream	7.35	27.7	5.24	1.25	5.09	0.77	4.66	1.01	3.15	0.47	3.24	0.51	0.9	21.2	12.3	75	22.2	4.3	0.8	0.2
AERSR223012	Stream	6.82	26.6	5.10	1.14	5.12	0.72	4.57	0.96	3.00	0.42	2.74	0.42	1.2	26.1	13.6	97	28.6	5.9	1.1	0.3
AERSR223013	Stream	4.76	17.9	3.21	0.69	3.10	0.46	2.81	0.56	1.71	0.24	1.70	0.28	1.2	12.3	8.4	70	16.2	4.2	0.7	0.3
AERSR223014	Stream	7.58	29.2	5.61	1.32	5.39	0.84	5.31	1.04	3.25	0.46	3.15	0.49	3.2	25.5	13.4	112	27.7	7.1	1.0	0.3
AERSR223015	Stream	6.00	22.8	4.23	0.86	3.90	0.59	3.66	0.80	2.39	0.35	2.43	0.39	1.0	11.9	8.7	106	20.5	5.9	0.5	0.3
AERSR223016	Stream	6.02	23.3	4.75	1.14	4.41	0.68	4.30	0.87	2.49	0.36	2.40	0.35	0.8	44.8	14.0	99	31.3	7.6	1.0	0.4
AERSR223017	Stream	5.65	22.8	4.67	1.10	4.85	0.68	4.04	0.87	2.49	0.37	2.48	0.37	1.0	35.4	14.3	121	29.3	5.0	3.1	0.6
AERSR223018	Stream	6.60	25.5	5.04	1.18	4.91	0.77	4.59	0.95	2.86	0.42	2.78	0.46	0.7	39.9	11.6	98	31.3	6.0	0.9	0.3
AERSR223019	Stream	5.98	24.0	4.38	1.03	4.14	0.64	3.98	0.79	2.46	0.36	2.62	0.39	1.3	23.7	9.7	90	24.9	3.3	0.8	0.2
AERSR223020	Stream	6.64	25.5	4.86	1.05	4.41	0.68	4.32	0.88	2.60	0.39	2.59	0.41	1.8	20.0	11.0	99	27.0	4.8	0.9	0.2
AERSR223021	Pulp DUP	6.69	26.4	5.21	1.14	4.87	0.72	4.35	0.94	2.83	0.43	2.91	0.46	0.6	18.0	10.3	88	22.6	4.6	0.5	0.2
AERSR223022	Stream	4.48	17.4	3.59	0.79	3.74	0.55	3.29	0.71	2.03	0.30	1.94	0.32	1.7	25.5	10.2	83	27.5	4.5	0.9	0.6
AERSR223023	Stream	6.80	25.7	4.89	0.98	4.44	0.70	4.39	0.94	2.74	0.42	3.05	0.48	0.8	20.9	11.9	78	21.1	5.8	0.4	0.3
AERSR223024	Stream	6.59	25.8	4.93	1.17	4.90	0.76	4.30	0.88	2.75	0.39	2.56	0.41	2.1	32.2	12.7	113	35.7	5.8	0.8	0.3
AERSR223025	Stream	6.94	26.8	5.15	1.18	4.92	0.72	4.54	0.98	2.81	0.41	2.83	0.45	0.8	26.8	13.5	88	23.7	5.1	0.7	0.3
AERSR223026	Stream	6.47	25.2	4.68	1.06	4.61	0.69	4.23	0.86	2.62	0.40	2.62	0.40	1.3	19.5	12.3	93	27.1	6.5	0.7	0.3
AERSR223027	Stream	7.69	30.1	5.71	1.19	5.36	0.83	4.93	1.03	3.08	0.47	3.11	0.52	0.9	20.5	10.3	88	24.4	4.7	0.6	0.2
AERSR223028	Stream	6.44	25.3	5.04	1.16	5.26	0.78	4.36	0.96	2.84	0.39	2.58	0.44	1.8	25.8	14.6	123	39.7	4.9	1.7	0.3
AERSR223029	Stream	6.92	26.9	5.21	1.19	5.25	0.80	4.92	1.02	2.97	0.45	2.91	0.49	0.6	18.4	10.4	88	23.0	4.7	0.5	0.2
AERSR223030	Stream	6.74	25.1	5.21	1.17	5.04	0.76	4.48	0.96	2.74	0.43	2.84	0.46	0.6	18.1	10.3	88	22.7	4.6	0.5	0.2



BUREAU MINERAL LABORATORIES
VERITAS Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Page:

2 of 5

Part:

3 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

Method Analyte Unit MDL		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
		Bi	Ag	Au	Hg	Tl	Se	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	Ni	Sr
		ppm	ppm	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm
		0.1	0.1	0.5	0.01	0.1	0.5	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	20	2
AERSR223001	Pulp DUP	0.1	0.2	0.5	0.05	0.2	0.8	62.94	9.95	2.98	2.30	5.96	0.81	1.78	0.54	0.18	0.05	0.008	753	21	168
AERSR223002	Stream	<0.1	<0.1	<0.5	0.03	<0.1	1.4	23.46	2.78	0.81	10.55	24.88	0.17	0.95	0.21	0.13	0.02	0.003	112	<20	109
AERSR223003	Stream	<0.1	<0.1	<0.5	0.04	0.2	2.6	36.88	4.44	1.27	8.05	14.47	0.21	1.33	0.31	0.18	0.02	0.006	189	<20	135
AERSR223004	Stream	0.1	0.3	1.0	0.07	0.2	2.2	51.24	9.41	2.47	3.32	5.81	0.32	1.79	0.54	0.25	0.06	0.009	489	26	124
AERSR223005	Stream	0.2	0.2	1.3	0.06	0.2	1.4	61.84	9.92	2.65	1.42	3.56	0.66	1.70	0.52	0.20	0.06	0.007	743	<20	198
AERSR223006	Stream	0.2	0.2	1.0	0.05	0.2	1.4	69.12	9.93	2.83	1.50	2.19	0.81	1.68	0.58	0.22	0.05	0.011	617	20	106
AERSR223007	Rock Pulp	0.1	0.1	35.9	0.02	<0.1	<0.5	71.71	12.04	3.99	1.70	3.28	3.42	1.41	0.38	0.14	0.07	0.014	473	89	393
AERSR223008	Stream	0.1	0.1	0.6	0.05	0.1	0.7	45.36	7.63	2.23	4.75	14.65	0.62	1.34	0.41	0.17	0.04	0.008	475	<20	113
AERSR223009	Stream	0.1	0.2	1.0	0.05	0.2	1.0	61.44	10.01	3.01	2.43	6.47	0.80	1.79	0.55	0.18	0.05	0.009	753	21	155
AERSR223010	Stream	0.2	0.2	1.0	0.04	0.2	0.9	62.44	10.05	3.07	2.34	6.10	0.82	1.80	0.55	0.18	0.05	0.007	775	<20	167
AERSR223011	Stream	0.2	0.2	2.3	0.07	0.2	1.0	65.73	13.41	3.69	1.54	2.03	0.85	1.72	0.67	0.17	0.07	0.009	1221	23	170
AERSR223012	Stream	0.2	0.4	2.1	0.09	0.2	2.1	60.74	11.64	3.24	1.64	2.25	0.65	2.00	0.58	0.23	0.07	0.010	1085	28	158
AERSR223013	Stream	0.1	<0.1	1.1	0.04	0.1	2.5	46.53	7.61	2.71	2.35	10.40	0.57	1.48	0.42	0.23	0.06	0.006	530	<20	178
AERSR223014	Stream	0.2	0.2	1.2	0.06	0.3	1.1	69.86	12.16	3.33	1.25	1.05	0.98	2.10	0.67	0.30	0.05	0.010	707	27	124
AERSR223015	Stream	0.1	0.2	1.2	0.04	0.2	0.9	56.81	7.90	2.41	4.03	9.95	0.53	1.64	0.46	0.20	0.03	0.007	681	21	117
AERSR223016	Stream	0.2	0.2	2.1	0.07	0.1	<0.5	63.87	15.42	5.01	1.50	1.46	1.66	1.99	0.73	0.20	0.11	0.011	1116	33	242
AERSR223017	Stream	0.2	0.9	3.7	0.20	0.2	3.3	57.75	11.86	3.34	1.04	1.26	0.49	1.83	0.54	0.34	0.08	0.012	880	36	113
AERSR223018	Stream	0.2	0.3	2.5	0.08	0.1	1.1	65.38	14.18	4.70	1.23	1.28	1.61	1.83	0.74	0.20	0.09	0.012	900	30	203
AERSR223019	Stream	0.1	0.2	1.4	0.07	0.2	2.7	59.31	10.19	3.10	1.65	6.67	0.70	1.64	0.57	0.25	0.04	0.009	660	<20	372
AERSR223020	Stream	0.2	0.2	0.9	0.06	0.3	1.7	65.40	10.55	3.31	1.55	2.75	0.48	1.87	0.64	0.28	0.04	0.009	522	27	115
AERSR223021	Pulp DUP	0.1	0.3	1.3	0.06	0.2	1.1	70.07	10.45	3.06	0.78	1.01	0.76	1.71	0.59	0.18	0.08	0.010	890	24	162
AERSR223022	Stream	0.1	0.3	1.3	0.11	0.2	4.8	41.68	8.82	2.65	2.26	5.66	0.39	1.42	0.44	0.25	0.05	0.008	557	26	113
AERSR223023	Stream	0.2	0.2	1.3	0.05	0.2	0.8	68.77	10.69	3.30	1.32	2.26	0.98	1.86	0.65	0.19	0.06	0.009	806	<20	208
AERSR223024	Stream	0.2	0.3	1.6	0.07	0.2	1.8	59.48	12.94	4.62	1.97	2.56	0.98	1.94	0.63	0.20	0.09	0.011	760	38	163
AERSR223025	Stream	0.2	0.3	2.2	0.08	0.2	1.3	65.62	11.98	3.44	1.39	1.84	0.95	2.11	0.63	0.18	0.06	0.009	932	22	227
AERSR223026	Stream	0.2	0.3	1.3	0.08	0.2	1.1	62.97	10.45	3.23	1.17	1.92	0.70	1.88	0.56	0.23	0.07	0.010	776	29	156
AERSR223027	Stream	0.1	0.4	1.5	0.07	0.2	1.5	68.16	11.73	3.50	1.21	1.49	0.95	1.87	0.64	0.20	0.07	0.010	885	30	176
AERSR223028	Stream	0.2	0.7	1.9	0.13	0.2	3.5	57.15	12.09	3.40	0.92	1.34	0.45	1.87	0.54	0.24	0.08	0.011	909	39	147
AERSR223029	Stream	0.1	0.2	1.2	0.06	0.2	1.0	70.06	10.67	3.09	0.79	1.01	0.78	1.77	0.61	0.18	0.08	0.011	906	27	163
AERSR223030	Stream	0.1	0.2	1.0	0.05	0.2	1.2	69.72	10.55	3.06	0.79	1.02	0.76	1.71	0.59	0.19	0.08	0.009	895	22	162



BUREAU MINERAL LABORATORIES
VERITAS Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Page:

2 of 5

Part:

4 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

	Method	Analyte	Unit	MDL	LF300	LF300	LF300	LF300	LF300	LF300	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251			
					Zr	Y	Nb	Sc	LOI	Sum	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
					ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
					5	3	5	1	-5.1	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
AERSR223001	Pulp DUP	419	24	14	8	12.2	99.91	0.83	18.59	11.13	79.8	169	21.4	7.2	334	1.61	5.0	0.7	1.4	3.3	63.0			
AERSR223002	Stream	242	10	<5	2	35.8	99.80	0.50	5.22	3.41	33.8	35	7.9	1.9	122	0.46	3.1	0.6	1.1	0.8	54.3			
AERSR223003	Stream	376	15	7	4	32.6	99.83	0.91	8.62	7.93	81.1	52	15.4	2.7	173	0.65	1.9	1.1	1.2	0.8	108.5			
AERSR223004	Stream	438	24	12	9	24.5	99.89	1.40	18.62	8.65	78.1	271	23.6	5.6	380	1.26	2.6	0.8	1.5	1.4	65.2			
AERSR223005	Stream	323	23	11	8	17.2	99.91	0.94	16.81	10.49	78.6	207	20.1	6.0	400	1.36	4.1	0.7	1.4	2.0	116.3			
AERSR223006	Stream	840	28	15	8	10.8	99.93	0.98	13.64	10.42	85.8	151	22.3	6.5	335	1.54	4.7	0.8	1.3	3.4	28.5			
AERSR223007	Rock Pulp	160	11	20	9	1.6	99.86	11.78	151.14	255.96	201.8	102	77.8	48.9	291	1.64	8.8	0.4	36.3	2.9	36.6			
AERSR223008	Stream	430	22	8	6	22.5	99.88	0.72	11.30	7.55	69.8	128	18.5	5.3	274	1.08	4.0	0.6	0.2	2.4	55.9			
AERSR223009	Stream	430	24	13	8	13.0	99.90	0.82	18.52	11.03	83.1	181	22.5	7.3	347	1.63	5.1	0.7	1.6	3.3	59.1			
AERSR223010	Stream	443	27	17	8	12.3	99.91	0.85	18.96	10.91	80.9	166	21.6	7.2	335	1.63	4.9	0.7	1.5	3.2	64.0			
AERSR223011	Stream	604	29	16	11	9.8	99.92	0.91	21.59	12.34	77.6	191	23.3	8.5	539	1.90	4.0	0.8	1.9	3.2	85.2			
AERSR223012	Stream	329	30	12	11	16.7	99.90	1.25	26.11	13.20	96.1	369	29.5	7.6	483	1.71	5.3	0.9	2.2	2.3	81.4			
AERSR223013	Stream	313	19	7	6	27.4	99.92	1.12	12.00	8.24	68.6	75	15.9	4.9	432	1.46	3.8	0.5	0.7	1.4	124.8			
AERSR223014	Stream	558	30	18	10	8.0	99.93	3.30	25.83	13.14	114.2	178	28.3	8.5	369	1.93	6.9	0.8	1.5	4.5	44.3			
AERSR223015	Stream	536	26	9	6	15.8	99.88	1.11	12.18	8.60	108.7	184	21.4	4.9	230	1.23	6.0	0.7	1.1	2.7	53.3			
AERSR223016	Stream	209	25	13	14	7.8	99.90	0.87	46.83	13.96	101.8	238	33.8	15.5	838	2.86	7.7	0.8	2.7	3.4	104.1			
AERSR223017	Stream	256	29	9	12	21.2	99.91	1.16	36.29	14.74	124.2	944	33.0	8.4	608	1.81	4.6	1.5	4.4	1.5	52.8			
AERSR223018	Stream	358	26	15	14	8.5	99.92	0.71	33.59	10.59	94.1	288	28.6	11.5	677	2.62	5.9	0.8	2.1	2.7	72.7			
AERSR223019	Stream	402	25	16	9	15.6	99.92	1.21	20.97	8.90	86.0	190	22.8	6.9	300	1.67	3.3	0.7	1.2	2.6	304.2			
AERSR223020	Stream	386	26	23	9	12.9	99.93	1.72	17.41	9.87	93.9	194	25.6	6.8	276	1.81	4.6	0.7	1.2	3.1	51.4			
AERSR223021	Pulp DUP	529	29	16	9	11.1	99.94	0.63	16.59	10.20	95.7	262	22.4	7.8	603	1.72	5.0	1.1	1.0	2.5	57.7			
AERSR223022	Stream	259	22	11	9	36.2	99.91	1.58	23.51	9.78	81.1	286	24.9	7.9	409	1.46	4.4	0.7	1.9	1.2	58.9			
AERSR223023	Stream	676	28	21	9	9.6	99.93	0.80	18.78	11.02	79.6	177	19.1	7.2	431	1.81	6.1	0.6	1.7	3.0	62.4			
AERSR223024	Stream	314	26	14	12	14.3	99.91	2.30	29.60	12.03	109.4	270	35.4	10.8	698	2.65	5.9	0.8	2.1	2.8	65.7			
AERSR223025	Stream	471	28	21	10	11.5	99.92	0.81	24.84	12.85	84.8	313	22.7	8.3	454	1.83	5.2	0.8	1.6	3.3	83.3			
AERSR223026	Stream	467	28	18	9	16.6	99.93	1.23	17.38	11.87	91.7	293	24.6	7.1	472	1.78	6.6	0.7	1.0	2.4	61.3			
AERSR223027	Stream	621	30	19	11	9.9	99.93	0.81	18.84	10.55	84.0	373	23.3	7.4	479	1.91	5.0	0.8	0.9	3.0	57.8			
AERSR223028	Stream	329	28	11	10	21.7	99.93	1.93	24.90	14.75	125.4	636	39.1	7.8	621	1.93	5.1	1.5	1.5	1.9	70.5			
AERSR223029	Stream	617	30	20	9	10.7	99.93	0.71	18.74	10.66	93.0	263	22.4	7.8	618	1.71	5.1	1.1	1.0	2.7	55.6			
AERSR223030	Stream	524	27	23	9	11.3	99.95	0.67	17.82	10.85	95.7	250	22.9	8.1	619	1.74	5.2	1.1	1.7	2.8	57.4			



BUREAU MINERAL LABORATORIES
VERITAS Canada

www.bvna.com/mining-laboratory-services

Client: **Palmer**
470 Granville St. - Suite 630
Vancouver British Columbia V6C 1V5 Canada

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Project: AER
Report Date: February 07, 2023

Page: 2 of 5

Part: 5 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

	Method	Analyte	Unit	MDL	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251			
					Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
					ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
					0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
AERSR223001	Pulp DUP	0.56	0.41	0.14	32	3.91	0.070	13.6	14.7	1.12	288.7	0.005	4	1.16	0.010	0.17	<0.1	3.2	0.18	0.05	51			
AERSR223002	Stream	0.16	0.21	0.04	9	9.45	0.034	4.3	8.0	3.34	45.3	0.006	6	0.38	0.011	0.10	<0.1	0.9	0.07	0.02	16			
AERSR223003	Stream	0.42	0.32	0.06	15	9.86	0.075	6.8	14.1	4.13	66.8	0.004	10	0.57	0.016	0.18	<0.1	1.4	0.22	0.08	48			
AERSR223004	Stream	0.92	0.43	0.13	26	3.70	0.093	7.5	15.6	1.54	224.8	0.002	9	0.97	0.010	0.20	<0.1	3.0	0.20	0.07	72			
AERSR223005	Stream	0.47	0.29	0.15	27	2.24	0.072	9.5	14.3	0.57	315.1	0.003	6	1.14	0.011	0.17	<0.1	2.7	0.18	0.06	60			
AERSR223006	Stream	0.52	0.35	0.15	33	1.36	0.080	12.5	15.5	0.63	205.2	0.002	4	1.10	0.009	0.16	<0.1	2.8	0.18	0.06	47			
AERSR223007	Rock Pulp	0.45	0.18	0.14	27	0.65	0.052	23.9	32.8	0.51	60.2	0.079	2	0.90	0.111	0.13	<0.1	3.2	0.08	0.04	15			
AERSR223008	Stream	0.38	0.35	0.20	19	9.17	0.063	9.1	11.5	2.49	162.1	0.002	3	0.74	0.011	0.13	<0.1	2.3	0.11	0.06	32			
AERSR223009	Stream	0.58	0.36	0.15	33	4.26	0.072	13.4	15.6	1.19	294.0	0.005	4	1.21	0.011	0.18	<0.1	3.3	0.18	0.06	47			
AERSR223010	Stream	0.55	0.37	0.14	33	3.92	0.070	13.5	15.4	1.11	292.6	0.005	4	1.20	0.011	0.19	<0.1	3.2	0.18	0.05	49			
AERSR223011	Stream	0.74	0.36	0.16	32	1.21	0.066	14.9	16.4	0.65	660.7	0.003	3	1.70	0.009	0.17	<0.1	4.4	0.19	0.07	71			
AERSR223012	Stream	1.00	0.55	0.19	36	1.41	0.083	11.0	21.7	0.66	592.6	0.003	6	1.51	0.009	0.21	<0.1	4.4	0.25	0.09	94			
AERSR223013	Stream	0.61	0.30	0.12	20	6.79	0.095	6.8	12.3	1.09	273.6	0.003	9	0.93	0.010	0.18	<0.1	2.0	0.16	0.11	37			
AERSR223014	Stream	0.95	0.42	0.21	23	0.67	0.115	8.6	12.1	0.38	380.1	0.001	7	1.10	0.010	0.20	<0.1	4.2	0.33	0.11	56			
AERSR223015	Stream	0.55	0.46	0.13	25	6.98	0.080	9.9	10.5	2.02	260.4	0.002	4	0.73	0.009	0.14	<0.1	2.0	0.16	0.16	35			
AERSR223016	Stream	0.86	0.66	0.18	53	0.73	0.076	18.5	26.8	0.64	417.8	0.024	3	2.45	0.010	0.22	<0.1	6.6	0.15	<0.02	77			
AERSR223017	Stream	3.10	0.84	0.17	42	0.74	0.132	9.6	22.2	0.40	451.7	0.004	5	1.55	0.007	0.22	<0.1	4.8	0.24	0.09	197			
AERSR223018	Stream	0.91	0.44	0.21	46	0.56	0.088	16.4	22.8	0.52	300.9	0.011	2	1.88	0.007	0.17	<0.1	5.7	0.13	<0.02	77			
AERSR223019	Stream	0.81	0.31	0.14	30	4.49	0.106	9.0	15.1	0.73	343.7	0.004	5	1.11	0.008	0.17	<0.1	3.9	0.22	0.10	83			
AERSR223020	Stream	0.89	0.26	0.15	25	1.84	0.113	8.1	11.9	0.62	253.9	0.002	7	0.91	0.007	0.17	<0.1	3.6	0.27	0.07	76			
AERSR223021	Pulp DUP	0.49	0.20	0.14	31	0.57	0.081	12.1	14.0	0.25	413.6	0.004	5	1.28	0.009	0.16	<0.1	3.7	0.16	0.04	57			
AERSR223022	Stream	0.97	0.58	0.13	28	3.96	0.110	7.4	18.2	1.15	288.4	0.003	7	1.01	0.010	0.19	<0.1	3.1	0.15	0.09	115			
AERSR223023	Stream	0.46	0.33	0.15	32	1.45	0.074	13.9	13.3	0.56	300.5	0.006	4	1.17	0.008	0.15	<0.1	3.4	0.15	0.03	48			
AERSR223024	Stream	0.88	0.43	0.16	44	1.69	0.084	14.6	30.2	0.91	311.5	0.005	4	1.78	0.010	0.19	<0.1	5.1	0.23	0.04	69			
AERSR223025	Stream	0.70	0.31	0.17	35	1.12	0.073	15.5	15.7	0.58	369.4	0.005	5	1.38	0.009	0.20	<0.1	4.1	0.20	0.05	65			
AERSR223026	Stream	0.68	0.35	0.14	31	1.25	0.097	12.7	17.9	0.46	309.1	0.004	7	1.23	0.007	0.19	<0.1	3.4	0.19	0.06	69			
AERSR223027	Stream	0.66	0.28	0.14	36	0.83	0.088	14.9	18.2	0.47	392.5	0.007	4	1.54	0.008	0.17	<0.1	4.5	0.17	0.04	80			
AERSR223028	Stream	1.75	0.46	0.17	39	0.90	0.099	11.6	28.9	0.31	536.6	0.003	6	1.63	0.009	0.19	<0.1	4.6	0.24	0.07	128			
AERSR223029	Stream	0.59	0.23	0.14	31	0.56	0.076	12.4	14.1	0.24	421.2	0.004	4	1.26	0.009	0.15	<0.1	3.7	0.18	0.04	69			
AERSR223030	Stream	0.56	0.23	0.14	32	0.58	0.077	13.0	14.9	0.25	425.9	0.004	5	1.31	0.009	0.16	<0.1	3.6	0.19	0.04	68			



BUREAU MINERAL LABORATORIES
VERITAS Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Page:

2 of 5

Part:

6 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

Method Analyte Unit MDL		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
		0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	0.02	0.02
AERSR223001	Pulp DUP	0.9	0.04	3.3	1.27	<0.1	0.06	0.27	12.4	0.4	<0.05	2.4	11.17	25.6	0.02	1	0.8	12.5	3.27	13.94
AERSR223002	Stream	1.2	<0.02	1.1	0.57	<0.1	0.02	0.13	6.0	0.2	<0.05	0.9	3.51	8.3	<0.02	<1	0.2	13.4	1.04	4.35
AERSR223003	Stream	2.7	<0.02	1.8	0.53	<0.1	0.05	0.18	9.8	0.9	<0.05	1.8	7.12	12.3	<0.02	1	0.3	16.3	1.73	7.17
AERSR223004	Stream	2.2	0.04	2.5	0.95	<0.1	0.07	0.23	11.9	0.4	<0.05	2.1	10.43	15.4	0.02	3	0.7	14.5	2.11	9.74
AERSR223005	Stream	1.4	0.04	3.2	1.28	<0.1	0.05	0.32	13.9	0.4	<0.05	2.1	11.47	18.7	0.02	4	0.7	15.3	2.49	11.26
AERSR223006	Stream	1.4	0.03	3.2	0.96	<0.1	0.06	0.13	12.5	0.4	<0.05	2.0	11.57	24.6	0.02	2	0.6	13.3	3.28	14.40
AERSR223007	Rock Pulp	0.2	<0.02	2.9	1.10	<0.1	0.19	0.36	6.8	2.3	<0.05	6.4	5.65	41.7	0.03	<1	0.2	9.0	4.92	16.92
AERSR223008	Stream	1.1	0.03	2.2	0.68	<0.1	0.05	0.10	8.2	0.3	<0.05	1.6	10.09	15.1	<0.02	<1	0.4	8.6	2.34	9.40
AERSR223009	Stream	1.1	0.04	3.4	1.26	<0.1	0.06	0.25	13.4	0.4	<0.05	2.4	11.76	25.2	0.02	2	0.7	13.0	3.27	14.04
AERSR223010	Stream	0.9	0.04	3.4	1.29	<0.1	0.06	0.25	13.4	0.4	<0.05	2.2	11.19	25.4	0.02	<1	0.7	12.8	3.23	13.80
AERSR223011	Stream	1.2	0.05	4.4	1.54	<0.1	0.05	0.11	11.0	0.6	<0.05	1.8	10.24	32.7	0.03	3	1.0	17.4	3.98	16.93
AERSR223012	Stream	2.2	0.06	4.0	1.81	<0.1	0.06	0.34	16.3	0.5	<0.05	2.1	14.79	22.3	0.03	3	0.8	18.4	2.99	13.67
AERSR223013	Stream	2.5	0.04	2.6	0.65	<0.1	0.08	0.24	12.0	0.3	<0.05	2.0	8.46	14.7	<0.02	3	0.5	11.9	1.92	8.72
AERSR223014	Stream	1.4	0.06	2.5	1.46	<0.1	0.03	0.07	12.1	0.5	<0.05	1.1	12.90	20.3	0.04	7	0.8	17.3	2.80	13.56
AERSR223015	Stream	0.9	0.03	2.0	0.68	<0.1	0.05	0.11	8.1	0.3	<0.05	1.6	10.84	17.2	<0.02	2	0.5	9.4	2.54	10.83
AERSR223016	Stream	0.6	0.06	6.5	1.87	<0.1	0.07	0.26	12.0	0.6	<0.05	2.6	12.54	36.0	0.03	<1	0.8	21.5	4.61	17.80
AERSR223017	Stream	3.9	0.04	4.2	1.84	<0.1	0.05	0.38	15.9	0.5	<0.05	1.4	16.40	19.4	0.03	2	0.9	18.1	2.72	12.95
AERSR223018	Stream	0.6	0.03	5.1	1.49	<0.1	0.05	0.29	9.5	0.6	<0.05	1.3	9.95	32.6	0.03	<1	0.7	19.5	4.26	17.49
AERSR223019	Stream	2.3	0.03	3.1	1.22	<0.1	0.03	0.17	10.7	0.5	<0.05	1.4	9.85	18.9	0.03	6	0.5	13.6	2.53	11.04
AERSR223020	Stream	1.3	<0.02	2.3	0.85	<0.1	0.05	0.16	11.3	0.5	<0.05	1.7	10.79	17.6	0.03	2	0.6	12.6	2.52	12.30
AERSR223021	Pulp DUP	0.6	<0.02	3.8	1.00	<0.1	0.07	0.37	13.9	0.5	<0.05	2.4	12.60	24.7	0.03	4	0.9	17.1	3.30	15.56
AERSR223022	Stream	3.9	<0.02	2.8	0.87	<0.1	0.04	0.30	9.9	0.5	<0.05	1.5	10.21	15.5	0.04	5	0.8	11.9	2.12	9.96
AERSR223023	Stream	0.4	0.05	3.6	1.27	<0.1	0.04	0.52	11.5	0.4	<0.05	1.8	10.33	28.0	0.04	2	0.9	14.6	3.63	15.11
AERSR223024	Stream	0.9	0.04	4.9	1.34	<0.1	0.04	0.31	12.7	0.6	<0.05	1.7	12.30	30.1	0.04	6	1.0	22.4	3.81	16.87
AERSR223025	Stream	0.6	0.02	4.0	1.45	<0.1	0.06	0.52	13.9	0.5	<0.05	2.4	11.02	30.4	0.03	5	1.0	16.1	3.95	15.32
AERSR223026	Stream	0.9	0.03	3.7	1.11	<0.1	0.03	0.35	13.4	0.5	<0.05	1.3	12.35	25.1	0.03	3	0.9	16.7	3.45	14.03
AERSR223027	Stream	1.2	<0.02	4.4	1.23	<0.1	0.05	0.37	13.6	0.5	<0.05	1.8	12.50	29.4	0.02	2	0.4	20.5	4.00	16.37
AERSR223028	Stream	3.1	0.04	4.3	1.33	<0.1	0.06	0.36	16.5	2.4	<0.05	2.3	15.73	22.6	0.04	12	1.0	22.1	3.25	14.01
AERSR223029	Stream	0.6	<0.02	3.7	1.17	<0.1	0.05	0.32	14.4	0.5	<0.05	2.1	12.80	25.5	0.02	3	1.0	17.3	3.49	14.57
AERSR223030	Stream	0.7	0.05	3.8	1.23	<0.1	0.07	0.33	15.4	0.4	<0.05	3.1	13.02	25.6	<0.02	3	1.1	19.1	3.33	14.98



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Page:

2 of 5

Part: 7 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

Method Analyte Unit MDL		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
AERSR223001	Pulp DUP	0.61	2.72	0.34	1.94	0.32	0.84	0.10	0.59	0.08	<10	<2
AERSR223002	Stream	0.17	0.81	0.10	0.58	0.10	0.28	0.03	0.22	0.03	<10	<2
AERSR223003	Stream	0.33	1.48	0.21	1.13	0.21	0.56	0.07	0.42	0.06	<10	<2
AERSR223004	Stream	0.55	2.49	0.32	1.85	0.31	0.84	0.10	0.62	0.08	<10	<2
AERSR223005	Stream	0.62	2.86	0.36	2.04	0.34	0.86	0.10	0.58	0.08	<10	<2
AERSR223006	Stream	0.63	2.96	0.36	2.06	0.35	0.86	0.10	0.62	0.08	<10	<2
AERSR223007	Rock Pulp	0.56	1.71	0.19	1.11	0.19	0.54	0.07	0.46	0.06	43	24
AERSR223008	Stream	0.42	1.98	0.29	1.47	0.26	0.68	0.07	0.46	0.05	<10	<2
AERSR223009	Stream	0.62	2.80	0.35	1.99	0.34	0.88	0.10	0.64	0.08	<10	<2
AERSR223010	Stream	0.61	2.72	0.33	1.91	0.33	0.82	0.10	0.60	0.08	<10	<2
AERSR223011	Stream	0.75	3.14	0.38	2.06	0.33	0.84	0.10	0.63	0.09	<10	<2
AERSR223012	Stream	0.77	3.55	0.46	2.61	0.45	1.16	0.14	0.84	0.12	<10	<2
AERSR223013	Stream	0.45	2.00	0.26	1.44	0.24	0.63	0.07	0.44	0.06	<10	<2
AERSR223014	Stream	0.82	3.87	0.48	2.65	0.42	0.98	0.11	0.63	0.08	<10	<2
AERSR223015	Stream	0.51	2.33	0.31	1.69	0.31	0.78	0.09	0.54	0.07	<10	<2
AERSR223016	Stream	0.81	3.26	0.41	2.35	0.40	1.04	0.13	0.79	0.10	<10	<2
AERSR223017	Stream	0.82	3.77	0.48	2.80	0.49	1.31	0.16	1.00	0.14	<10	<2
AERSR223018	Stream	0.74	2.84	0.40	1.96	0.35	0.98	0.12	0.84	0.11	<10	<2
AERSR223019	Stream	0.58	2.52	0.34	2.01	0.32	0.86	0.10	0.58	0.08	<10	<2
AERSR223020	Stream	0.60	3.05	0.40	2.10	0.35	0.98	0.10	0.64	0.08	<10	<2
AERSR223021	Pulp DUP	0.74	3.62	0.45	2.51	0.41	1.11	0.12	0.89	0.11	<10	<2
AERSR223022	Stream	0.51	2.52	0.34	1.90	0.36	0.98	0.08	0.59	0.09	<10	<2
AERSR223023	Stream	0.65	2.95	0.37	1.94	0.37	0.94	0.11	0.68	0.08	<10	<2
AERSR223024	Stream	0.88	3.56	0.43	2.44	0.41	1.09	0.13	0.89	0.09	<10	<2
AERSR223025	Stream	0.75	3.09	0.43	2.34	0.38	0.97	0.11	0.77	0.09	<10	<2
AERSR223026	Stream	0.68	3.20	0.41	2.45	0.39	1.14	0.12	0.84	0.10	<10	<2
AERSR223027	Stream	0.78	3.50	0.43	2.36	0.38	1.11	0.13	0.79	0.11	<10	2
AERSR223028	Stream	0.76	3.69	0.50	2.73	0.49	1.34	0.15	1.02	0.13	<10	<2
AERSR223029	Stream	0.70	3.81	0.46	2.84	0.40	1.16	0.14	0.90	0.11	<10	<2
AERSR223030	Stream	0.75	3.63	0.48	2.72	0.43	1.10	0.12	0.83	0.09	<10	<2



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Project: AER
Report Date: February 07, 2023

Page: 3 of 5

Part: 1 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

Method		WGHT	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
Analyte		Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
AERSR223031	Stream	1.66	547	1	7.2	6.0	12.0	10.4	11.2	80.5	2	89.4	0.8	10.4	3.3	88	1.7	413.6	26.1	29.7	54.8
AERSR223032	Rock Pulp	0.07	466	<1	52.4	2.1	13.8	4.1	16.6	37.4	6	404.8	0.6	3.8	0.9	57	<0.5	157.5	10.8	29.9	52.3
AERSR223033	Stream	0.74	527	1	8.2	4.5	11.7	16.2	12.6	74.3	1	177.8	0.7	8.9	3.5	77	1.0	651.9	23.9	28.0	55.0
AERSR223034	Stream	1.24	804	4	8.4	5.5	12.2	9.8	10.1	83.9	1	144.5	0.6	8.7	3.2	127	1.1	395.2	30.2	27.5	49.6
AERSR223035	Stream	1.42	646	1	8.8	6.7	15.3	10.9	16.4	97.6	2	232.4	0.8	10.4	4.2	128	1.4	422.4	29.4	34.1	65.1
AERSR223036	Stream	1.61	570	<1	8.7	5.7	12.4	17.6	15.0	89.1	1	104.0	1.1	11.2	4.5	117	1.7	709.4	32.4	34.3	64.8
AERSR223037	Stream	1.78	625	1	6.8	3.9	10.2	11.2	10.3	65.3	1	121.2	0.7	7.7	3.2	108	1.0	442.0	22.4	26.8	49.3
AERSR223038	Stream	2.15	838	1	8.8	4.7	12.5	8.4	11.0	71.5	1	117.1	0.7	8.5	3.3	134	0.9	322.8	22.9	28.1	53.5
AERSR223039	Stream	2.10	810	1	10.1	3.7	12.7	11.0	10.0	65.5	<1	141.1	0.7	9.3	3.3	96	1.1	444.3	23.2	29.0	54.5
AERSR223040	Stream	1.88	631	<1	9.8	3.2	11.6	9.5	9.6	61.4	<1	110.3	0.7	8.3	3.0	93	0.9	367.4	21.2	26.4	48.0
AERSR223041	Pulp DUP		861	1	7.2	4.4	11.2	12.3	11.6	74.6	1	102.8	0.8	8.9	3.9	128	1.1	492.7	25.6	30.1	57.9
AERSR223042	Stream	2.11	907	<1	8.6	4.8	12.3	14.2	12.6	78.8	1	108.0	0.9	9.4	4.1	138	1.3	557.3	26.3	30.6	58.6
AERSR223043	Stream	2.03	852	<1	7.4	4.4	11.4	11.8	12.0	73.1	1	103.0	0.8	9.6	3.6	133	1.4	454.6	25.4	30.5	56.2
AERSR223044	Stream	1.42	322	<1	3.9	2.5	5.6	6.2	6.0	43.2	2	128.6	0.4	4.7	2.9	59	0.8	249.2	14.2	15.2	27.8
AERSR223045	Stream	1.97	550	<1	6.4	3.1	8.4	11.9	8.6	54.8	1	184.0	0.7	7.2	3.0	92	0.6	486.5	22.1	24.3	43.8
AERSR223046	Stream	1.08	734	4	9.0	3.4	8.5	12.2	9.6	56.6	<1	155.6	0.7	7.4	3.0	96	0.9	469.4	21.3	23.4	43.6
AERSR223047	Stream	0.83	314	<1	4.8	3.0	6.0	9.9	6.9	47.5	<1	149.7	0.9	4.9	2.5	58	0.6	400.1	18.5	16.7	30.0
AERSR223048	Stream	1.69	792	<1	5.9	4.2	9.6	17.8	11.7	70.9	1	104.5	0.9	8.5	4.1	122	1.1	699.3	25.1	28.4	52.2
AERSR223049	Stream	2.25	670	<1	7.0	3.5	9.8	15.4	10.6	60.1	2	122.6	0.7	7.9	3.8	115	1.4	634.9	27.8	25.5	47.0
AERSR223050	Stream	2.06	819	<1	10.1	2.9	11.0	10.9	9.6	59.5	<1	182.1	0.8	7.2	3.0	94	1.4	442.7	21.0	24.3	44.8
AERSR223051	Stream	1.11	532	<1	7.2	3.6	10.1	17.3	14.1	65.7	1	101.0	0.7	9.1	3.7	95	1.3	701.0	27.4	27.9	55.4
AERSR223052	Stream	1.63	950	<1	9.8	7.6	17.6	6.5	15.9	123.7	2	113.7	1.0	12.9	4.9	189	1.4	252.2	26.5	39.8	73.5
AERSR223053	Stream	1.59	844	<1	9.3	4.5	13.5	10.9	10.5	73.0	1	133.9	0.8	7.9	3.8	128	1.3	441.8	24.2	26.5	49.9
AERSR223054	Stream	1.41	1693	2	14.2	6.8	12.7	17.4	15.2	95.9	2	124.0	1.0	11.3	4.4	183	2.1	695.2	30.9	34.4	63.1
AERSR223055	Stream	1.87	1295	3	11.2	6.4	13.3	10.3	14.2	93.0	2	102.7	0.9	11.1	4.4	176	1.9	407.1	27.8	32.7	60.7
AERSR223056	Rock Pulp	0.06	445	<1	49.5	1.8	13.0	4.1	17.7	35.4	5	379.4	0.4	4.1	0.7	62	<0.5	156.3	11.1	28.8	51.8
AERSR223057	Stream	2.00	873	2	8.9	5.8	15.1	9.3	13.2	87.7	1	108.8	0.8	10.2	4.1	150	1.4	357.9	27.5	30.7	55.9
AERSR223058	Stream	1.60	1023	<1	10.0	4.4	14.3	9.9	10.5	70.9	1	162.1	0.7	9.5	3.5	108	1.4	394.8	23.5	28.4	52.8
AERSR223059	Stream	1.81	1220	2	7.7	7.3	15.2	9.9	15.1	105.6	2	102.4	1.0	11.3	4.4	175	1.4	383.8	27.9	35.6	64.7
AERSR223060	Stream	1.46	584	3	6.1	3.0	9.5	13.1	10.5	58.3	<1	110.6	0.9	7.6	3.2	114	1.1	549.7	23.4	25.6	45.5



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Project: AER
Report Date: February 07, 2023

Page: 3 of 5

Part: 2 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

Method Analyte Unit MDL		LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
AERSR223031	Stream	6.96	26.7	4.93	1.06	4.68	0.72	4.26	0.87	2.67	0.40	2.84	0.42	0.6	16.3	12.7	88	20.4	4.8	0.6	0.2
AERSR223032	Rock Pulp	6.42	23.5	3.69	0.98	2.88	0.39	2.00	0.41	1.18	0.16	1.06	0.15	12.5	161.6	276.4	219	82.0	9.7	0.5	0.2
AERSR223033	Stream	6.38	25.6	4.63	0.93	4.09	0.64	3.84	0.87	2.60	0.38	2.79	0.44	1.8	16.3	8.9	82	21.5	4.9	0.5	0.2
AERSR223034	Stream	6.31	24.0	4.97	1.10	4.91	0.73	4.48	0.99	2.80	0.40	2.84	0.43	0.9	20.1	10.0	123	30.6	4.5	1.1	0.3
AERSR223035	Stream	7.89	29.1	5.83	1.25	5.51	0.83	4.94	0.99	3.02	0.44	2.92	0.48	3.1	25.9	11.7	111	32.3	5.3	1.1	0.2
AERSR223036	Stream	8.19	30.5	6.07	1.29	5.99	0.90	5.23	1.16	3.67	0.53	3.67	0.58	3.5	20.8	12.0	130	34.3	6.3	1.2	0.3
AERSR223037	Stream	5.98	22.6	4.30	0.89	4.04	0.59	3.80	0.79	2.35	0.36	2.41	0.40	0.8	14.4	9.9	80	19.2	5.5	0.3	0.1
AERSR223038	Stream	6.50	24.2	4.70	1.01	4.29	0.64	3.96	0.79	2.35	0.34	2.45	0.37	1.3	23.8	11.6	100	28.5	6.5	0.6	0.3
AERSR223039	Stream	6.55	24.8	4.89	1.00	4.33	0.63	3.83	0.83	2.36	0.36	2.45	0.39	0.7	22.8	11.2	81	29.3	6.7	0.5	0.2
AERSR223040	Stream	5.81	21.3	4.02	0.85	3.94	0.60	3.61	0.73	2.28	0.33	2.25	0.34	0.7	19.2	10.2	78	27.3	4.3	0.7	0.2
AERSR223041	Pulp DUP	6.92	25.2	5.07	1.03	4.68	0.73	4.40	0.92	2.71	0.43	2.83	0.46	0.8	18.9	10.4	84	24.9	5.7	0.3	0.2
AERSR223042	Stream	7.13	26.7	5.19	1.13	4.96	0.73	4.62	0.93	2.97	0.45	2.95	0.48	0.8	19.1	10.4	86	25.8	6.0	0.4	0.2
AERSR223043	Stream	6.88	26.0	5.14	1.05	4.90	0.71	4.40	0.90	2.72	0.39	2.74	0.42	0.8	19.3	10.4	87	25.5	6.0	0.4	0.2
AERSR223044	Stream	3.38	12.9	2.55	0.54	2.28	0.36	2.27	0.47	1.51	0.20	1.42	0.22	1.0	8.6	7.3	113	15.5	3.7	1.0	0.2
AERSR223045	Stream	5.51	21.3	3.94	0.93	4.01	0.59	3.56	0.74	2.30	0.34	2.26	0.37	1.3	18.0	8.2	79	23.9	4.5	0.7	0.3
AERSR223046	Stream	5.27	20.5	4.01	0.83	3.71	0.58	3.52	0.74	2.37	0.35	2.26	0.35	0.5	12.8	8.1	81	20.3	8.7	0.4	0.2
AERSR223047	Stream	3.84	15.1	2.87	0.61	2.87	0.43	2.47	0.57	1.87	0.24	1.81	0.28	1.1	13.3	6.1	97	19.5	3.1	1.0	0.3
AERSR223048	Stream	6.52	24.3	4.51	0.92	4.25	0.64	3.83	0.86	2.61	0.44	2.94	0.47	1.0	12.6	9.9	77	19.0	6.4	0.3	0.2
AERSR223049	Stream	5.91	23.7	4.26	0.98	4.55	0.68	4.18	0.95	2.78	0.46	3.06	0.50	1.1	20.2	9.2	98	24.9	4.9	1.1	0.3
AERSR223050	Stream	5.59	21.7	4.19	0.96	3.82	0.60	3.47	0.77	2.27	0.35	2.37	0.37	0.2	16.3	8.3	88	25.1	6.8	0.3	0.1
AERSR223051	Stream	6.56	26.3	4.99	1.00	4.53	0.73	4.30	1.01	3.23	0.47	3.20	0.53	1.2	17.9	9.3	91	22.7	5.0	0.8	0.3
AERSR223052	Stream	8.72	30.8	5.86	1.21	5.22	0.78	4.64	0.95	2.64	0.39	2.70	0.41	2.8	26.0	17.0	108	32.0	18.7	0.5	0.3
AERSR223053	Stream	6.02	23.6	4.30	1.10	4.32	0.70	4.03	0.89	2.75	0.40	2.75	0.41	0.9	25.4	9.5	87	30.2	6.8	0.3	0.2
AERSR223054	Stream	7.99	30.2	5.70	1.25	5.71	0.90	5.09	1.05	3.36	0.52	3.44	0.55	1.3	26.3	17.3	124	28.4	13.5	0.2	0.4
AERSR223055	Stream	7.76	28.7	5.38	1.19	5.05	0.79	4.58	0.97	2.93	0.45	3.15	0.47	1.6	23.1	16.6	116	31.0	14.6	0.3	0.4
AERSR223056	Rock Pulp	6.26	22.9	3.57	0.95	2.71	0.35	1.95	0.41	1.32	0.17	1.04	0.16	12.8	163.2	284.4	222	82.8	9.9	0.5	0.2
AERSR223057	Stream	6.96	25.4	5.20	1.09	4.76	0.77	4.41	0.94	2.85	0.41	2.81	0.46	1.2	26.6	12.8	109	30.3	7.3	0.7	0.3
AERSR223058	Stream	6.57	25.6	5.13	1.01	4.41	0.65	3.95	0.81	2.59	0.34	2.53	0.39	0.7	26.4	12.4	88	28.6	6.2	0.5	0.2
AERSR223059	Stream	7.89	29.8	5.54	1.21	5.13	0.77	4.42	1.00	2.92	0.43	3.14	0.47	1.8	24.6	15.8	116	29.2	12.1	0.3	0.3
AERSR223060	Stream	5.81	21.2	4.13	0.89	4.04	0.63	3.82	0.81	2.54	0.40	2.74	0.43	1.0	14.4	8.3	104	21.1	4.2	0.9	0.3



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Page:

3 of 5

Part:

3 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

Method Analyte Unit MDL		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
		Bi	Ag	Au	Hg	Tl	Se	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	Ni	Sr
		ppm	ppm	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm
		0.1	0.1	0.5	0.01	0.1	0.5	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	20	2
AERSR223031	Stream	0.2	0.2	2.2	0.04	0.2	0.9	64.00	10.46	3.10	2.45	4.52	0.71	1.98	0.55	0.20	0.05	0.007	552	<20	88
AERSR223032	Rock Pulp	0.1	0.1	39.8	0.02	<0.1	<0.5	71.69	12.22	4.03	1.73	3.30	3.40	1.42	0.38	0.12	0.07	0.015	475	85	401
AERSR223033	Stream	0.2	<0.1	<0.5	0.03	0.2	2.3	57.03	10.70	3.71	1.74	4.84	0.87	1.97	0.59	0.29	0.08	0.009	545	24	179
AERSR223034	Stream	0.1	0.6	1.5	0.12	0.2	2.0	60.33	10.83	3.24	1.29	2.17	0.55	1.75	0.53	0.23	0.06	0.010	801	32	139
AERSR223035	Stream	0.2	0.3	1.0	0.11	0.3	1.8	63.95	13.20	3.44	1.20	1.03	0.84	2.34	0.67	0.28	0.09	0.011	660	33	221
AERSR223036	Stream	0.2	0.2	<0.5	0.08	0.4	1.7	66.86	11.65	3.14	1.11	1.24	0.57	2.60	0.71	0.34	0.06	0.011	556	32	102
AERSR223037	Stream	0.1	0.1	<0.5	0.04	0.1	1.2	60.12	9.52	3.31	2.70	5.43	0.67	1.56	0.55	0.22	0.04	0.009	704	20	135
AERSR223038	Stream	0.2	0.2	1.1	0.05	0.2	1.1	65.87	11.52	3.49	1.67	3.35	0.83	1.94	0.63	0.20	0.05	0.012	911	31	129
AERSR223039	Stream	0.2	0.1	0.6	0.05	0.2	0.7	68.84	12.47	3.58	1.25	1.48	1.21	1.88	0.62	0.17	0.08	0.012	874	29	148
AERSR223040	Stream	0.2	0.1	0.7	0.06	0.2	1.1	63.12	11.91	3.59	1.88	3.09	1.05	1.71	0.57	0.19	0.11	0.012	704	26	119
AERSR223041	Pulp DUP	0.2	0.2	0.7	0.06	0.1	0.9	73.90	10.64	3.16	1.03	0.82	0.70	1.93	0.61	0.19	0.04	0.011	949	29	110
AERSR223042	Stream	0.1	0.1	0.7	0.06	0.1	0.9	73.14	10.77	3.23	1.05	0.82	0.67	1.94	0.63	0.19	0.05	0.011	973	30	110
AERSR223043	Stream	0.1	0.2	0.7	0.06	0.1	0.8	73.62	10.37	3.08	1.02	0.81	0.66	1.83	0.61	0.18	0.04	0.011	927	28	106
AERSR223044	Stream	<0.1	0.1	<0.5	0.04	0.2	1.4	37.96	5.95	1.76	5.28	18.17	0.32	1.32	0.34	0.17	0.03	0.007	366	<20	144
AERSR223045	Stream	0.1	0.1	1.0	0.05	0.2	1.7	52.45	8.05	2.72	2.64	8.84	0.55	1.56	0.49	0.21	0.07	0.010	594	27	183
AERSR223046	Stream	0.1	0.1	0.5	0.04	<0.1	1.2	60.41	8.52	3.70	0.91	6.14	0.61	1.44	0.52	0.31	0.44	0.009	826	22	162
AERSR223047	Stream	<0.1	0.2	0.6	0.06	0.2	2.6	36.22	6.04	1.81	5.97	14.58	0.36	1.36	0.35	0.26	0.04	0.006	341	28	156
AERSR223048	Stream	0.1	0.2	<0.5	0.04	0.1	1.2	66.05	8.68	2.63	2.09	5.37	0.40	1.92	0.57	0.21	0.02	0.010	812	22	103
AERSR223049	Stream	0.1	0.2	0.5	0.05	0.2	1.1	62.42	9.35	3.05	2.37	6.28	0.54	1.79	0.57	0.26	0.07	0.009	711	29	124
AERSR223050	Stream	0.1	0.1	0.7	0.04	<0.1	0.9	64.19	10.82	4.52	1.26	2.82	1.25	1.50	0.57	0.25	0.19	0.012	860	29	180
AERSR223051	Stream	0.1	0.2	<0.5	0.07	0.1	1.1	66.31	9.68	2.85	2.20	3.21	0.31	1.86	0.67	0.25	0.04	0.010	567	25	106
AERSR223052	Stream	0.2	0.3	<0.5	0.07	0.2	1.7	59.53	14.32	5.09	2.20	3.33	0.36	2.82	0.69	0.23	0.02	0.015	966	35	105
AERSR223053	Stream	0.2	0.2	1.0	0.05	0.1	0.8	66.21	13.37	4.22	1.15	0.87	1.14	1.86	0.71	0.19	0.05	0.016	884	39	141
AERSR223054	Stream	0.2	0.3	0.8	0.07	0.1	1.2	69.29	11.52	3.95	1.28	1.36	0.46	2.25	0.71	0.24	0.02	0.014	1751	33	128
AERSR223055	Stream	0.2	0.2	0.8	0.06	0.1	1.2	70.23	12.01	3.87	1.48	1.42	0.51	2.28	0.71	0.23	0.02	0.013	1337	34	108
AERSR223056	Rock Pulp	0.1	0.1	40.8	0.02	<0.1	<0.5	71.82	11.86	3.95	1.69	3.28	3.42	1.42	0.38	0.13	0.06	0.015	466	87	394
AERSR223057	Stream	0.2	0.3	1.4	0.07	0.2	0.9	69.32	12.77	3.74	1.07	0.75	0.77	2.17	0.68	0.19	0.07	0.013	914	35	111
AERSR223058	Stream	0.2	0.2	1.3	0.06	0.2	0.6	67.61	13.17	3.32	1.32	1.61	1.35	1.99	0.64	0.16	0.06	0.014	1086	28	163
AERSR223059	Stream	0.2	0.3	0.6	0.07	0.2	1.1	68.17	13.11	3.79	1.27	1.12	0.44	2.47	0.69	0.22	0.02	0.013	1250	27	102
AERSR223060	Stream	0.1	0.2	0.6	0.05	0.1	1.2	68.32	8.52	2.48	1.74	4.44	0.53	1.63	0.57	0.25	0.04	0.010	613	<20	115



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Page:

3 of 5

Part:

4 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

Method		LF300	LF300	LF300	LF300	LF300	LF300	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte		Zr	Y	Nb	Sc	LOI	Sum	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
Unit		ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
MDL		5	3	5	1	-5.1	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
AERSR223031	Stream	392	26	15	8	11.8	99.92	0.65	15.14	13.05	88.4	160	19.3	6.2	352	1.53	5.1	0.8	1.7	4.7	34.6
AERSR223032	Rock Pulp	159	12	20	9	1.4	99.87	11.65	143.79	268.28	205.8	98	72.9	48.2	295	1.70	9.8	0.4	36.4	3.4	34.8
AERSR223033	Stream	647	24	20	9	17.9	99.93	1.82	15.18	8.79	84.9	91	20.9	7.0	570	1.98	5.0	0.5	0.9	2.8	110.0
AERSR223034	Stream	414	29	16	10	18.8	99.93	0.90	18.97	10.32	127.5	638	29.7	7.7	427	1.79	4.4	0.6	1.5	2.3	63.3
AERSR223035	Stream	428	30	20	12	12.7	99.92	2.96	24.16	11.85	115.4	332	32.1	8.3	663	1.93	5.3	0.8	1.4	3.4	137.7
AERSR223036	Stream	735	32	23	11	11.5	99.94	3.68	19.51	12.54	122.8	218	32.1	8.0	463	1.86	6.2	0.9	1.7	4.1	45.5
AERSR223037	Stream	497	24	13	8	15.6	99.91	0.76	14.25	10.24	80.1	140	19.0	6.1	277	1.89	5.6	0.5	1.8	2.6	71.6
AERSR223038	Stream	410	25	14	10	10.2	99.91	1.21	20.69	10.60	94.1	156	24.5	7.8	399	1.91	6.3	0.6	1.7	2.9	52.3
AERSR223039	Stream	517	24	14	10	8.1	99.94	0.72	21.70	11.92	81.1	143	28.1	8.7	655	1.93	6.9	0.7	30.5	4.8	40.9
AERSR223040	Stream	436	23	13	10	12.5	99.92	0.74	17.78	10.16	79.8	132	25.3	8.8	849	1.91	4.7	0.7	1.2	3.8	27.0
AERSR223041	Pulp DUP	529	28	15	10	6.7	99.93	0.79	18.22	10.88	85.8	178	26.3	7.4	288	1.79	6.4	0.9	1.0	3.6	42.1
AERSR223042	Stream	619	28	18	10	7.2	99.92	0.85	18.00	11.23	91.2	173	25.5	7.9	368	1.86	6.7	0.8	0.9	3.9	40.4
AERSR223043	Stream	531	27	13	10	7.5	99.93	0.76	17.41	10.57	88.1	167	23.0	7.5	285	1.77	5.9	0.8	1.1	3.8	39.6
AERSR223044	Stream	286	16	9	5	28.5	99.87	1.18	9.12	7.64	118.1	126	17.5	4.2	170	0.86	3.3	1.2	0.4	1.4	109.4
AERSR223045	Stream	597	23	11	8	22.2	99.92	1.33	16.72	8.69	76.9	162	22.9	6.2	541	1.60	5.1	0.8	5.9	2.7	138.4
AERSR223046	Stream	517	22	13	8	16.8	99.95	0.62	11.58	8.58	77.5	148	19.0	8.6	3335	2.21	8.9	0.4	1.2	2.2	100.1
AERSR223047	Stream	415	18	10	6	32.7	99.86	1.16	13.44	6.70	94.5	183	19.7	4.2	339	1.07	3.5	0.7	0.6	1.4	121.3
AERSR223048	Stream	766	26	15	8	11.7	99.91	0.95	12.16	10.13	76.6	160	19.2	5.8	176	1.43	6.9	0.8	3.3	4.3	55.9
AERSR223049	Stream	660	28	15	9	13.0	99.92	1.23	19.54	9.71	99.8	229	22.6	6.2	504	1.66	5.1	0.9	1.0	3.7	67.1
AERSR223050	Stream	462	22	11	9	12.4	99.95	0.22	14.72	8.29	83.6	120	22.4	8.9	1471	2.70	6.5	0.4	0.7	2.8	64.7
AERSR223051	Stream	769	30	19	9	12.4	99.93	1.24	17.76	10.27	95.1	222	23.3	6.5	292	1.68	5.5	0.8	2.1	3.3	43.4
AERSR223052	Stream	256	26	20	12	11.1	99.89	2.74	24.20	18.07	103.3	317	30.1	9.0	150	2.96	19.1	1.2	0.7	6.2	40.1
AERSR223053	Stream	497	26	16	13	10.0	99.93	0.90	23.18	10.41	85.6	222	29.1	8.4	414	2.50	6.8	0.9	1.4	3.3	52.9
AERSR223054	Stream	728	33	21	12	8.5	99.90	1.34	25.60	15.63	124.2	289	28.3	14.3	149	2.25	12.8	0.7	1.6	3.2	52.7
AERSR223055	Stream	424	28	15	11	6.9	99.89	1.69	22.61	15.01	112.3	218	30.5	11.8	146	2.23	13.7	0.8	1.2	4.1	42.5
AERSR223056	Rock Pulp	165	11	22	9	1.7	99.86	12.44	153.21	253.78	208.4	107	80.1	50.0	260	1.56	9.0	0.4	36.4	2.9	29.9
AERSR223057	Stream	356	29	15	12	8.2	99.90	1.22	25.24	11.18	102.6	269	29.3	9.3	509	2.03	6.5	0.6	1.6	2.6	38.8
AERSR223058	Stream	429	25	13	11	8.5	99.91	0.72	24.68	11.05	81.5	149	27.4	9.7	436	1.69	5.8	0.6	2.2	3.0	53.7
AERSR223059	Stream	393	29	18	12	8.4	99.90	1.74	22.63	13.38	106.1	232	27.9	8.8	162	2.11	10.5	0.7	1.2	3.6	33.0
AERSR223060	Stream	611	28	15	8	11.2	99.92	1.04	13.62	7.22	98.2	172	20.5	5.6	269	1.27	3.9	0.7	0.9	2.3	44.7



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Page:

3 of 5

Part:

5 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

Method Analyte Unit MDL		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
		0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
AERSR223031	Stream	0.65	0.32	0.21	25	3.07	0.077	16.7	13.0	1.12	226.2	0.003	1	1.33	0.008	0.22	<0.1	3.0	0.19	0.04	46
AERSR223032	Rock Pulp	0.53	0.16	0.13	27	0.65	0.055	23.8	30.2	0.52	60.1	0.070	2	0.88	0.097	0.12	<0.1	3.4	0.08	0.04	19
AERSR223033	Stream	0.61	0.25	0.15	20	3.27	0.117	6.8	12.5	0.63	314.3	0.002	9	1.04	0.011	0.23	<0.1	3.4	0.26	0.10	30
AERSR223034	Stream	1.11	0.40	0.14	33	1.41	0.092	10.6	17.3	0.51	398.2	0.004	6	1.41	0.008	0.18	<0.1	4.0	0.22	0.06	110
AERSR223035	Stream	1.27	0.33	0.20	28	0.65	0.116	8.0	14.6	0.35	357.3	0.001	8	1.30	0.017	0.21	<0.1	5.3	0.35	0.06	102
AERSR223036	Stream	1.33	0.30	0.18	27	0.82	0.144	9.7	14.3	0.30	299.4	0.001	10	0.98	0.008	0.23	<0.1	4.7	0.50	0.06	81
AERSR223037	Stream	0.36	0.18	0.12	26	3.59	0.099	8.6	14.0	1.31	358.0	0.004	7	1.16	0.014	0.17	<0.1	3.3	0.12	0.07	46
AERSR223038	Stream	0.64	0.29	0.14	31	2.25	0.073	8.2	15.8	0.72	373.5	0.003	4	1.15	0.007	0.15	<0.1	3.8	0.17	0.15	34
AERSR223039	Stream	0.51	0.28	0.18	25	0.82	0.069	12.1	16.5	0.44	412.4	0.002	3	1.27	0.012	0.16	<0.1	4.5	0.19	0.08	54
AERSR223040	Stream	0.72	0.22	0.15	30	1.97	0.074	13.8	19.9	0.83	298.3	0.003	4	1.45	0.010	0.14	<0.1	4.1	0.18	0.04	38
AERSR223041	Pulp DUP	0.36	0.25	0.14	31	0.49	0.077	9.9	17.2	0.37	457.3	0.003	5	1.17	0.008	0.15	<0.1	4.0	0.16	0.05	61
AERSR223042	Stream	0.39	0.25	0.14	32	0.50	0.073	10.1	17.0	0.38	471.2	0.003	4	1.20	0.008	0.16	<0.1	3.9	0.16	0.05	64
AERSR223043	Stream	0.34	0.27	0.12	30	0.50	0.072	9.6	16.2	0.36	416.7	0.003	5	1.17	0.007	0.15	<0.1	4.0	0.17	0.05	63
AERSR223044	Stream	0.93	0.30	0.09	19	11.13	0.063	7.1	17.2	2.73	134.8	0.003	7	0.75	0.011	0.14	<0.1	2.0	0.17	0.10	44
AERSR223045	Stream	0.72	0.44	0.10	28	6.68	0.087	9.8	19.7	1.49	297.9	0.004	6	1.05	0.009	0.17	<0.1	3.7	0.17	0.12	40
AERSR223046	Stream	0.46	0.24	0.09	23	4.20	0.130	6.7	11.8	0.35	467.3	0.003	6	0.93	0.015	0.20	<0.1	2.9	0.10	0.11	34
AERSR223047	Stream	1.10	0.35	0.09	18	9.85	0.106	7.6	12.5	3.25	169.0	0.003	13	0.77	0.011	0.18	<0.1	2.3	0.19	0.12	72
AERSR223048	Stream	0.34	0.26	0.13	26	3.73	0.079	9.8	13.8	0.98	366.5	0.002	8	0.79	0.008	0.16	<0.1	2.9	0.15	0.14	38
AERSR223049	Stream	1.25	0.54	0.11	33	4.32	0.107	10.1	15.8	1.17	379.2	0.004	6	0.94	0.008	0.16	<0.1	4.1	0.18	0.08	55
AERSR223050	Stream	0.29	0.18	0.09	31	1.73	0.088	8.5	17.1	0.55	350.2	0.003	5	1.37	0.017	0.12	<0.1	3.9	0.10	0.06	35
AERSR223051	Stream	0.83	0.41	0.11	22	2.22	0.091	7.3	10.4	1.09	218.5	0.001	3	0.71	0.006	0.14	<0.1	3.8	0.17	0.07	48
AERSR223052	Stream	0.52	0.42	0.24	27	2.31	0.088	5.0	14.4	0.89	211.3	<0.001	6	0.95	0.009	0.18	<0.1	4.7	0.24	0.85	82
AERSR223053	Stream	0.26	0.34	0.14	36	0.49	0.063	8.3	22.0	0.42	357.6	0.002	3	1.73	0.008	0.17	<0.1	5.6	0.16	0.02	77
AERSR223054	Stream	0.23	0.71	0.17	21	0.89	0.088	3.7	14.7	0.44	477.8	<0.001	4	0.74	0.007	0.12	<0.1	3.2	0.14	0.24	67
AERSR223055	Stream	0.27	0.75	0.19	22	0.91	0.084	4.6	13.2	0.56	356.3	0.002	4	0.76	0.009	0.11	<0.1	3.6	0.14	0.21	55
AERSR223056	Rock Pulp	0.49	0.20	0.13	23	0.54	0.049	22.8	31.2	0.47	52.8	0.069	2	0.77	0.081	0.11	<0.1	2.7	0.07	0.04	13
AERSR223057	Stream	0.73	0.57	0.16	25	0.44	0.068	6.3	16.9	0.33	226.2	0.001	2	1.12	0.006	0.11	<0.1	4.0	0.16	0.04	62
AERSR223058	Stream	0.47	0.50	0.16	19	0.88	0.059	8.1	14.0	0.46	491.9	0.002	2	0.95	0.009	0.13	<0.1	3.7	0.15	0.05	50
AERSR223059	Stream	0.35	0.56	0.19	20	0.74	0.076	5.1	13.2	0.38	336.6	<0.001	3	0.82	0.007	0.12	<0.1	3.6	0.21	0.21	58
AERSR223060	Stream	0.84	0.60	0.09	26	2.78	0.090	8.3	12.8	0.76	225.7	0.002	3	0.72	0.005	0.10	<0.1	2.7	0.16	0.05	41



BUREAU MINERAL LABORATORIES
VERITAS Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Page:

3 of 5

Part: 6 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

	Method	Analyte	Unit	MDL	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251			
					Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd	Sm
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
					0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	0.02	0.02	0.02
AERSR223031	Stream	0.5	<0.02	3.7	1.63	<0.1	0.07	0.10	15.0	0.5	<0.05	2.1	11.24	35.0	0.02	1	0.7	15.3	4.68	20.38	4.00			
AERSR223032	Rock Pulp	<0.1	0.03	3.1	1.18	<0.1	0.15	0.35	7.3	2.4	<0.05	4.9	5.23	41.6	0.04	1	0.4	8.9	4.81	18.13	2.39			
AERSR223033	Stream	1.9	<0.02	2.6	0.63	<0.1	0.11	0.16	11.4	0.5	<0.05	2.4	8.83	15.7	0.02	7	0.6	16.0	2.13	9.64	2.96			
AERSR223034	Stream	1.7	0.03	3.9	1.31	<0.1	0.06	0.29	17.2	0.4	<0.05	2.7	14.68	20.8	0.03	4	0.4	17.7	3.12	13.94	3.09			
AERSR223035	Stream	1.5	0.04	3.3	1.67	<0.1	0.06	0.10	15.9	0.5	<0.05	1.5	13.17	18.7	0.02	13	0.8	24.5	2.76	13.64	3.50			
AERSR223036	Stream	1.1	0.04	2.6	1.47	<0.1	<0.02	0.08	14.9	0.5	<0.05	1.2	15.56	24.2	0.04	13	0.3	13.4	3.65	17.56	4.45			
AERSR223037	Stream	0.9	<0.02	3.7	0.66	<0.1	0.09	0.26	12.0	0.5	<0.05	3.2	9.90	17.9	0.03	<1	0.8	18.2	2.58	11.15	2.86			
AERSR223038	Stream	0.8	0.03	3.4	1.29	<0.1	0.04	0.13	10.5	0.4	<0.05	1.8	10.04	18.1	0.02	4	0.8	15.3	2.44	10.87	2.73			
AERSR223039	Stream	0.4	0.05	4.0	1.25	<0.1	0.04	0.06	13.2	0.5	<0.05	1.4	9.67	25.7	0.03	<1	0.9	15.7	3.54	15.27	3.44			
AERSR223040	Stream	0.8	<0.02	4.6	0.94	<0.1	0.13	0.12	13.6	0.6	<0.05	2.7	10.34	29.9	0.03	2	0.8	18.3	3.84	16.28	3.49			
AERSR223041	Pulp DUP	0.4	<0.02	3.7	1.41	<0.1	0.02	0.13	13.5	0.4	<0.05	1.3	11.52	21.4	<0.02	<1	0.5	19.7	3.00	14.70	3.59			
AERSR223042	Stream	0.4	0.02	3.7	1.43	<0.1	0.04	0.12	13.2	0.3	<0.05	1.4	11.81	21.9	0.03	1	0.6	20.8	3.05	14.34	3.73			
AERSR223043	Stream	0.4	0.05	3.3	1.42	<0.1	0.02	0.11	13.3	0.4	<0.05	1.3	11.45	20.6	0.03	<1	0.6	20.0	2.89	13.88	3.07			
AERSR223044	Stream	2.1	<0.02	2.2	0.81	<0.1	0.05	0.13	9.8	0.3	<0.05	2.0	8.20	12.5	<0.02	1	0.4	18.4	1.87	7.53	1.64			
AERSR223045	Stream	1.4	0.03	3.2	1.10	<0.1	0.03	0.14	10.8	0.4	<0.05	1.3	11.13	19.3	0.02	4	0.3	12.9	2.80	13.34	2.92			
AERSR223046	Stream	1.1	0.04	2.7	0.58	<0.1	0.04	0.13	8.5	0.3	<0.05	1.6	8.73	14.8	0.02	2	0.7	14.0	2.11	9.28	2.50			
AERSR223047	Stream	2.3	0.03	2.0	0.84	<0.1	0.04	0.14	10.6	0.3	<0.05	1.8	10.25	12.8	0.02	1	0.5	11.3	1.90	8.45	1.95			
AERSR223048	Stream	0.9	<0.02	2.7	1.18	<0.1	0.03	0.08	12.7	0.3	<0.05	2.3	9.98	20.5	<0.02	4	0.6	14.4	2.84	13.47	2.94			
AERSR223049	Stream	0.8	<0.02	2.9	1.17	<0.1	0.03	0.09	11.0	0.4	<0.05	1.9	13.05	20.1	<0.02	4	0.6	12.7	3.01	13.88	3.08			
AERSR223050	Stream	0.4	0.02	4.2	0.62	<0.1	0.08	0.13	10.1	0.4	<0.05	1.9	8.02	18.8	0.03	2	0.3	15.0	2.60	11.62	2.62			
AERSR223051	Stream	0.7	<0.02	2.2	1.05	<0.1	0.03	0.05	10.0	0.4	<0.05	1.1	10.43	17.1	0.02	3	0.9	9.2	2.43	10.40	2.82			
AERSR223052	Stream	1.2	0.07	2.7	2.18	<0.1	0.03	<0.02	15.4	0.5	<0.05	2.4	12.44	12.2	0.04	12	0.9	15.8	1.97	10.12	3.34			
AERSR223053	Stream	0.4	0.03	4.9	1.46	<0.1	0.07	0.06	14.4	0.5	<0.05	1.9	9.10	19.0	0.02	2	0.3	21.7	2.69	12.26	2.93			
AERSR223054	Stream	1.2	0.09	2.1	2.00	<0.1	<0.02	0.05	12.2	0.3	<0.05	0.8	12.51	9.8	0.04	2	0.7	15.1	1.50	7.74	2.61			
AERSR223055	Stream	1.2	0.06	2.3	1.93	<0.1	0.03	0.06	11.4	0.3	<0.05	2.2	11.55	11.5	0.03	3	0.7	15.5	1.68	8.22	2.49			
AERSR223056	Rock Pulp	0.2	<0.02	2.5	1.06	<0.1	0.16	0.46	6.8	2.1	<0.05	5.6	5.31	39.0	0.04	<1	0.2	7.7	4.81	15.59	2.29			
AERSR223057	Stream	0.9	0.07	3.2	1.58	<0.1	0.05	0.07	10.9	0.4	<0.05	1.6	11.62	14.6	0.03	3	0.7	16.9	2.02	9.71	2.70			
AERSR223058	Stream	0.6	0.04	2.8	1.19	<0.1	0.06	0.07	10.3	0.4	<0.05	1.7	8.59	18.0	0.03	<1	0.6	11.7	2.35	10.53	2.56			
AERSR223059	Stream	1.0	0.07	2.4	2.11	<0.1	0.03	0.05	13.2	0.4	<0.05	1.6	12.44	11.9	0.03	5	0.7	13.9	1.76	8.69	2.70			
AERSR223060	Stream	1.1	0.04	2.0	0.82	<0.1	0.05	0.09	9.1	0.3	<0.05	1.6	11.75	15.9	0.02	1	0.5	8.9	2.24	10.08	2.37			



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Page:

3 of 5

Part:

7 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

Method Analyte Unit MDL		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
AERSR223031	Stream	0.75	3.25	0.43	2.36	0.39	0.98	0.11	0.69	0.10	<10	<2
AERSR223032	Rock Pulp	0.60	1.83	0.22	1.21	0.19	0.56	0.07	0.46	0.07	39	23
AERSR223033	Stream	0.54	2.73	0.34	1.91	0.29	0.78	0.09	0.57	0.07	<10	<2
AERSR223034	Stream	0.75	3.75	0.42	2.63	0.45	1.27	0.16	0.93	0.14	<10	<2
AERSR223035	Stream	0.85	4.18	0.50	2.98	0.47	1.22	0.12	0.75	0.11	<10	<2
AERSR223036	Stream	0.90	4.45	0.56	3.48	0.54	1.28	0.14	0.91	0.11	<10	<2
AERSR223037	Stream	0.65	2.85	0.37	2.25	0.34	0.88	0.10	0.71	0.07	<10	2
AERSR223038	Stream	0.62	2.90	0.38	2.03	0.33	0.86	0.11	0.60	0.08	<10	<2
AERSR223039	Stream	0.69	3.36	0.39	2.13	0.32	0.76	0.10	0.63	0.09	<10	<2
AERSR223040	Stream	0.66	3.46	0.41	2.10	0.38	0.96	0.10	0.70	0.09	<10	<2
AERSR223041	Pulp DUP	0.79	3.72	0.41	2.50	0.38	1.06	0.11	0.75	0.09	<10	<2
AERSR223042	Stream	0.75	4.03	0.43	2.63	0.38	1.14	0.12	0.68	0.10	<10	<2
AERSR223043	Stream	0.76	3.64	0.42	2.33	0.40	1.04	0.11	0.69	0.09	<10	<2
AERSR223044	Stream	0.33	1.61	0.24	1.23	0.21	0.59	0.05	0.42	0.04	<10	<2
AERSR223045	Stream	0.58	3.04	0.36	2.05	0.36	0.87	0.11	0.68	0.09	<10	<2
AERSR223046	Stream	0.56	2.73	0.34	1.79	0.28	0.85	0.08	0.60	0.05	<10	3
AERSR223047	Stream	0.44	2.25	0.28	1.59	0.29	0.76	0.09	0.58	0.07	<10	<2
AERSR223048	Stream	0.67	3.03	0.37	2.11	0.33	0.89	0.08	0.58	0.07	<10	<2
AERSR223049	Stream	0.70	3.27	0.39	2.63	0.42	1.17	0.11	0.75	0.09	<10	<2
AERSR223050	Stream	0.59	2.62	0.32	1.81	0.28	0.77	0.08	0.49	0.07	<10	<2
AERSR223051	Stream	0.65	3.14	0.39	2.31	0.33	0.81	0.10	0.65	0.08	<10	<2
AERSR223052	Stream	0.83	4.08	0.52	2.86	0.46	1.25	0.13	0.84	0.10	<10	<2
AERSR223053	Stream	0.67	3.43	0.39	2.10	0.31	0.97	0.10	0.61	0.08	<10	<2
AERSR223054	Stream	0.62	3.34	0.44	2.41	0.39	0.94	0.10	0.55	0.07	<10	<2
AERSR223055	Stream	0.57	3.05	0.41	2.24	0.36	0.89	0.10	0.53	0.07	<10	<2
AERSR223056	Rock Pulp	0.48	1.52	0.18	0.99	0.17	0.48	0.06	0.41	0.05	43	24
AERSR223057	Stream	0.61	2.97	0.39	2.13	0.35	0.89	0.10	0.58	0.08	<10	<2
AERSR223058	Stream	0.51	2.52	0.32	1.68	0.27	0.68	0.08	0.46	0.06	<10	<2
AERSR223059	Stream	0.62	3.24	0.43	2.35	0.38	0.97	0.10	0.57	0.07	<10	<2
AERSR223060	Stream	0.49	2.41	0.32	1.82	0.32	0.85	0.10	0.57	0.08	<10	<2



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Page:

4 of 5

Part:

1 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

	Method Analyte Unit MDL	WGHT	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
		Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
AERSR223061	Pulp DUP		696	<1	6.9	4.2	10.8	15.3	12.3	70.5	1	91.0	0.8	9.3	3.9	127	1.0	628.5	29.0	30.4	56.4
AERSR223062	Stream	1.64	709	4	7.7	4.3	12.5	13.7	11.5	68.9	2	135.8	0.8	9.0	3.4	123	1.6	579.1	27.3	29.9	56.2
AERSR223063	Stream	1.94	872	<1	10.0	4.5	13.6	21.0	12.4	76.8	2	122.4	0.9	11.1	4.4	108	1.5	879.9	30.9	34.4	64.1
AERSR223064	Stream	1.92	674	<1	7.0	3.7	10.3	26.1	12.8	65.5	1	89.9	0.8	11.1	4.5	116	1.3	1065.4	33.2	34.5	64.3
AERSR223065	Rock Pulp	0.06	484	2	51.0	2.0	13.2	3.8	16.0	37.6	6	400.6	0.4	3.7	0.7	59	<0.5	161.1	11.4	29.7	53.2
AERSR223066	Stream	1.55	716	2	7.2	4.3	11.0	16.6	11.7	70.2	1	92.3	0.8	10.0	4.0	128	1.4	687.0	30.0	33.4	58.5
AERSR223067	Stream	1.85	810	<1	7.1	4.5	11.4	17.5	13.1	70.7	2	106.5	1.0	8.9	4.3	131	1.6	699.6	30.5	30.2	55.1
AERSR223068	Stream	1.98	742	<1	9.3	3.6	12.2	17.9	12.1	59.0	1	133.7	0.8	9.0	4.0	116	1.9	738.5	31.8	32.3	59.6
AERSR223069	Stream	1.95	770	5	8.0	4.3	12.3	15.6	12.9	74.8	1	102.1	0.8	10.4	4.2	129	1.3	607.4	29.3	33.3	61.0
AERSR223070	Stream	2.26	658	2	6.8	4.1	11.1	31.5	14.5	71.1	1	99.9	1.1	11.8	5.3	119	1.4	1311.0	36.8	39.2	70.7
AERSR223071	Stream	1.26	709	<1	5.7	3.4	8.7	17.8	11.5	63.2	1	100.3	0.9	9.1	3.7	100	1.1	760.1	27.4	29.5	54.7
AERSR223072	Stream	1.72	913	2	8.0	5.0	12.6	18.9	14.6	89.2	2	102.3	0.9	11.0	4.5	145	1.3	806.2	29.6	36.5	66.8
AERSR223073	Stream	1.61	828	2	9.7	5.4	13.2	11.3	13.2	81.0	2	129.6	0.8	9.2	3.8	139	1.5	464.2	29.9	31.6	58.5
AERSR223074	Stream	1.60	1125	2	11.0	4.3	13.5	12.6	12.6	72.3	1	151.5	0.8	9.4	3.6	112	1.2	513.0	26.9	31.2	57.9
AERSR223075	Stream	1.74	209	3	3.3	1.6	4.3	8.9	5.7	33.3	<1	161.7	0.2	3.8	2.0	49	0.8	369.8	15.4	14.7	24.3
AERSR223076	Stream	1.39	728	7	7.1	4.2	10.5	13.3	11.1	65.6	1	133.6	0.7	8.6	3.4	101	1.0	554.0	27.4	28.7	53.4
AERSR223077	Stream	1.82	710	<1	7.3	4.5	11.8	25.4	13.3	75.0	1	109.4	0.9	10.8	4.3	124	1.6	1048.5	33.2	34.1	62.5
AERSR223078	Stream	1.75	726	4	8.1	3.6	11.5	16.2	10.9	64.3	<1	154.1	0.8	9.0	3.5	116	1.1	668.1	27.8	28.8	53.3
AERSR223079	Stream	2.23	723	2	10.6	3.4	12.0	7.7	8.5	60.1	<1	175.1	0.6	8.1	2.7	85	0.9	327.7	21.5	24.6	46.8
AERSR223080	Stream	1.50	461	<1	6.3	3.5	8.6	14.3	11.4	56.7	2	107.2	0.7	6.8	3.2	88	0.8	617.4	25.0	23.6	42.9
AERSR223081	Pulp DUP		685	2	7.8	3.8	10.6	24.8	12.5	59.4	3	129.8	0.8	9.0	4.2	114	1.3	1015.2	34.3	31.8	57.9
AERSR223082	Stream	2.22	937	2	9.0	5.4	13.0	13.3	13.5	91.7	2	88.1	0.9	9.5	4.1	163	1.4	568.1	29.2	31.4	58.2
AERSR223083	Stream	1.99	1229	8	8.4	6.3	14.2	14.4	15.6	103.5	1	102.2	1.0	11.6	4.8	192	1.3	596.6	30.1	35.1	64.1
AERSR223084	Stream	1.95	868	2	10.4	6.9	14.6	10.6	12.2	89.9	2	119.0	0.7	9.7	4.4	158	1.6	439.8	31.8	32.6	57.2
AERSR223085	Stream	1.52	1064	5	9.8	6.4	14.6	9.9	14.5	101.8	1	123.6	1.0	11.2	4.2	142	1.5	426.8	30.2	32.3	59.5
AERSR223086	Stream	1.64	1002	2	11.4	5.7	15.8	8.9	12.5	83.6	3	144.0	0.7	9.6	3.9	149	1.5	348.3	27.4	31.5	57.8
AERSR223087	Stream	2.54	725	<1	8.0	4.5	12.9	15.4	13.1	78.3	1	102.3	1.1	9.2	4.1	141	1.1	622.5	31.2	30.2	57.5
AERSR223088	Stream	2.23	1051	5	8.5	5.4	12.2	17.8	14.0	84.3	1	97.1	1.0	9.9	4.4	149	1.5	748.6	30.3	31.5	56.0
AERSR223089	Stream	2.54	688	<1	7.6	3.3	10.6	22.5	11.5	58.2	1	130.4	0.8	9.0	4.1	114	1.3	933.3	32.5	30.6	56.2
AERSR223090	Stream	1.95	683	1	8.0	3.4	10.1	23.7	12.3	58.0	1	112.2	0.7	9.6	4.4	118	1.2	961.1	32.1	30.6	52.7



BUREAU MINERAL LABORATORIES
VERITAS Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Page:

4 of 5

Part:

2 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

Method Analyte Unit MDL		LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
AERSR223061	Pulp DUP	7.10	28.0	4.92	1.08	4.73	0.72	4.46	0.99	2.80	0.46	3.11	0.50	1.0	16.0	10.9	109	25.4	6.2	0.7	0.3
AERSR223062	Stream	6.72	26.2	4.90	1.07	4.62	0.72	4.26	0.91	2.86	0.44	2.95	0.47	0.8	21.3	11.1	99	26.6	5.1	0.8	0.4
AERSR223063	Stream	7.87	29.9	5.60	1.13	5.08	0.78	4.90	1.07	3.20	0.53	3.56	0.59	1.0	23.2	13.3	92	29.7	6.6	0.5	0.2
AERSR223064	Stream	7.95	29.6	5.45	1.01	4.95	0.82	4.88	1.07	3.62	0.54	4.10	0.63	0.9	13.2	9.7	100	23.4	5.2	0.6	0.3
AERSR223065	Rock Pulp	6.37	22.7	3.63	0.93	2.72	0.36	1.94	0.36	1.09	0.15	1.08	0.14	12.7	160.0	283.8	218	81.0	9.9	0.5	0.2
AERSR223066	Stream	7.55	29.1	5.44	1.04	4.83	0.74	4.68	0.97	3.23	0.47	3.37	0.52	1.1	16.0	11.1	110	25.7	6.3	0.7	0.3
AERSR223067	Stream	6.79	26.7	4.82	1.08	4.80	0.73	4.77	1.02	3.35	0.50	3.41	0.53	1.0	19.4	11.4	101	25.1	5.7	0.8	0.3
AERSR223068	Stream	7.35	28.5	5.16	1.11	5.10	0.79	4.70	1.05	3.36	0.50	3.41	0.53	0.8	24.9	9.8	85	25.7	4.9	0.6	0.3
AERSR223069	Stream	7.58	29.1	5.25	0.99	4.57	0.73	4.56	0.98	3.00	0.46	3.15	0.50	1.1	18.9	10.8	92	25.2	6.3	0.5	0.2
AERSR223070	Stream	8.65	32.4	5.83	1.07	5.48	0.87	5.57	1.22	4.06	0.60	4.58	0.74	0.7	12.1	9.6	88	20.7	4.9	0.5	0.2
AERSR223071	Stream	6.69	24.8	4.71	0.90	4.24	0.67	4.10	0.90	2.78	0.45	3.02	0.46	0.7	9.8	7.8	63	15.9	5.4	0.3	0.2
AERSR223072	Stream	8.18	30.7	5.48	1.07	4.91	0.78	4.90	1.04	3.10	0.51	3.30	0.52	1.3	16.7	11.9	89	24.0	9.3	0.3	0.3
AERSR223073	Stream	7.23	27.7	5.32	1.14	5.13	0.78	4.59	1.04	3.04	0.45	3.03	0.47	0.8	26.8	12.6	119	29.6	4.6	0.7	0.2
AERSR223074	Stream	7.01	26.2	4.71	1.07	4.65	0.74	4.69	0.95	2.96	0.46	3.19	0.47	0.9	21.3	12.5	91	26.3	7.1	0.4	0.2
AERSR223075	Stream	3.20	12.4	2.20	0.50	2.15	0.34	2.09	0.42	1.36	0.21	1.31	0.23	1.0	6.6	4.2	48	11.2	2.8	0.4	0.2
AERSR223076	Stream	6.70	25.7	4.83	0.94	4.52	0.69	4.12	0.91	2.69	0.43	2.94	0.43	0.8	16.4	9.9	78	19.8	5.1	0.7	0.2
AERSR223077	Stream	7.80	29.5	5.52	1.13	5.32	0.76	4.88	1.04	3.59	0.56	3.80	0.62	1.1	17.2	10.7	141	24.2	5.9	0.6	0.3
AERSR223078	Stream	6.68	26.1	4.30	0.98	4.39	0.65	4.17	0.89	2.83	0.41	3.08	0.48	0.7	19.4	9.5	83	23.0	4.6	0.4	0.2
AERSR223079	Stream	5.61	21.2	4.11	0.95	3.90	0.57	3.56	0.73	2.25	0.30	2.25	0.32	0.3	18.0	9.4	75	24.4	4.1	0.3	0.1
AERSR223080	Stream	5.48	20.6	3.73	0.85	3.92	0.62	3.90	0.80	2.45	0.38	2.61	0.41	0.8	15.5	8.1	78	20.9	4.3	0.6	0.2
AERSR223081	Pulp DUP	7.21	26.4	5.25	1.12	5.07	0.78	5.26	1.07	3.62	0.53	3.89	0.67	0.9	21.3	9.0	97	26.9	5.0	0.7	0.3
AERSR223082	Stream	7.17	26.6	5.12	1.06	4.75	0.75	4.54	1.03	3.03	0.45	3.26	0.51	0.6	16.5	12.1	102	27.1	8.1	0.2	0.1
AERSR223083	Stream	7.98	29.8	5.56	1.16	5.22	0.84	5.08	1.02	3.18	0.52	3.43	0.53	2.5	26.0	17.3	112	31.4	16.9	0.3	0.3
AERSR223084	Stream	7.37	29.3	5.30	1.20	5.38	0.80	4.93	0.97	3.01	0.46	3.04	0.50	1.3	31.7	15.4	140	35.2	5.4	1.7	0.3
AERSR223085	Stream	7.56	29.4	5.65	1.20	5.47	0.82	4.82	1.03	2.87	0.44	3.07	0.48	3.6	36.4	18.1	146	33.2	20.1	0.9	0.3
AERSR223086	Stream	7.15	28.3	5.27	1.23	5.19	0.77	4.71	0.91	2.81	0.42	2.91	0.45	1.5	35.4	13.0	102	32.2	8.3	0.6	0.3
AERSR223087	Stream	7.11	27.3	4.85	1.07	4.71	0.73	4.84	0.96	3.17	0.47	3.31	0.50	0.8	21.0	10.9	110	28.9	5.5	0.7	0.3
AERSR223088	Stream	7.20	27.8	5.18	1.09	4.80	0.76	4.98	1.07	3.20	0.52	3.53	0.53	1.0	19.0	12.3	102	27.1	7.6	0.4	0.2
AERSR223089	Stream	7.03	27.3	4.95	1.09	4.93	0.78	4.88	1.01	3.27	0.52	3.65	0.61	0.8	20.9	8.9	96	26.3	4.5	0.8	0.3
AERSR223090	Stream	7.36	28.4	5.26	1.14	4.82	0.81	4.60	1.17	3.47	0.57	3.66	0.65	0.8	20.1	8.7	92	25.2	5.1	0.7	0.3



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Page:

4 of 5

Part:

3 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

Method Analyte Unit MDL		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
		Bi	Ag	Au	Hg	Tl	Se	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	Ni	Sr
		ppm	ppm	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm
		0.1	0.1	0.5	0.01	0.1	0.5	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	20	2
AERSR223061	Pulp DUP	0.1	0.2	0.8	0.04	0.2	1.1	66.85	9.97	3.25	2.06	3.27	0.60	1.90	0.62	0.22	0.04	0.012	732	23	92
AERSR223062	Stream	0.2	0.2	1.5	0.06	0.2	1.3	63.94	11.43	3.67	1.85	2.91	1.04	1.82	0.64	0.22	0.07	0.011	713	31	132
AERSR223063	Stream	0.2	0.2	1.2	0.05	0.2	0.8	67.00	12.38	3.77	1.44	1.62	0.97	1.89	0.68	0.18	0.07	0.013	890	26	122
AERSR223064	Stream	0.1	0.2	0.8	0.04	0.2	0.8	70.44	9.16	2.83	1.93	2.90	0.63	1.79	0.65	0.21	0.03	0.012	688	25	89
AERSR223065	Rock Pulp	0.1	0.1	38.2	0.01	<0.1	<0.5	71.63	12.15	3.99	1.73	3.32	3.47	1.44	0.39	0.13	0.07	0.015	476	91	401
AERSR223066	Stream	0.1	0.2	0.9	0.04	0.2	1.2	67.32	9.80	3.15	2.05	3.26	0.59	1.87	0.63	0.22	0.04	0.011	726	26	91
AERSR223067	Stream	0.2	0.2	0.8	0.07	0.1	1.1	74.75	9.96	2.82	0.83	0.73	0.53	1.79	0.72	0.24	0.02	0.012	839	22	107
AERSR223068	Stream	0.1	0.2	3.6	0.04	0.1	0.8	64.21	11.06	3.58	2.24	4.48	1.12	1.59	0.73	0.20	0.06	0.013	754	26	136
AERSR223069	Stream	0.1	0.2	1.1	0.05	0.2	1.0	69.98	10.61	3.24	1.46	1.86	0.70	1.93	0.65	0.21	0.03	0.012	773	25	102
AERSR223070	Stream	0.1	0.1	0.8	0.04	0.2	0.8	69.18	9.37	2.81	1.76	3.13	0.57	1.82	0.72	0.21	0.03	0.012	672	<20	97
AERSR223071	Stream	0.1	0.1	<0.5	0.03	0.1	1.1	61.38	7.69	2.40	2.89	7.48	0.48	1.61	0.56	0.19	0.03	0.010	720	<20	98
AERSR223072	Stream	0.2	0.2	0.8	0.05	0.1	0.9	67.27	10.26	3.25	2.02	3.28	0.40	2.21	0.67	0.22	0.02	0.011	909	23	98
AERSR223073	Stream	0.2	0.3	1.7	0.08	0.2	1.9	65.50	12.08	3.47	1.04	1.13	0.75	1.93	0.68	0.23	0.05	0.011	835	27	127
AERSR223074	Stream	0.2	0.2	0.9	0.05	0.1	1.0	67.39	11.33	3.61	1.35	2.15	1.01	1.73	0.67	0.21	0.07	0.012	1142	23	149
AERSR223075	Stream	<0.1	<0.1	<0.5	0.02	0.1	1.2	26.26	3.83	1.36	7.74	27.10	0.19	1.08	0.26	0.12	0.02	0.004	215	<20	160
AERSR223076	Stream	0.1	0.2	1.2	0.05	0.1	1.6	62.97	8.89	2.72	1.56	5.61	0.63	1.55	0.58	0.21	0.04	0.008	736	<20	130
AERSR223077	Stream	0.1	0.2	1.0	0.05	0.2	1.2	63.81	10.13	3.05	2.14	4.60	0.58	1.99	0.68	0.25	0.06	0.012	747	<20	109
AERSR223078	Stream	0.1	0.2	0.9	0.05	0.1	1.0	55.95	10.02	3.27	3.38	8.55	0.73	1.69	0.62	0.18	0.04	0.011	741	20	154
AERSR223079	Stream	0.1	0.1	1.0	0.05	0.1	0.9	58.51	11.22	3.66	2.16	4.93	1.25	1.57	0.57	0.19	0.11	0.011	753	<20	178
AERSR223080	Stream	<0.1	0.2	1.1	0.06	<0.1	1.1	45.95	7.74	2.18	7.34	11.29	0.24	1.49	0.50	0.20	0.04	0.008	457	<20	101
AERSR223081	Pulp DUP	0.1	0.2	1.3	0.05	0.2	1.1	70.23	9.99	3.41	1.44	2.70	0.84	1.61	0.74	0.23	0.05	0.014	706	26	127
AERSR223082	Stream	0.1	0.2	1.0	0.06	0.1	1.1	71.86	11.36	3.48	0.94	0.66	0.59	1.91	0.68	0.18	0.05	0.011	987	23	87
AERSR223083	Stream	0.2	0.3	<0.5	0.07	0.1	1.5	70.31	11.95	4.11	1.46	1.33	0.49	2.34	0.76	0.22	0.01	0.014	1244	28	99
AERSR223084	Stream	0.2	0.6	1.3	0.14	0.2	2.3	62.14	12.56	3.15	0.88	1.00	0.49	2.11	0.66	0.25	0.05	0.012	880	38	118
AERSR223085	Stream	0.3	0.4	1.7	0.13	0.3	2.0	63.71	13.57	4.65	1.23	1.25	0.60	2.83	0.69	0.32	0.04	0.013	1153	33	125
AERSR223086	Stream	0.2	0.3	1.8	0.08	0.2	1.3	64.25	14.12	4.31	1.32	1.20	1.08	2.22	0.73	0.21	0.08	0.013	1055	32	144
AERSR223087	Stream	0.1	0.2	1.2	0.07	0.1	0.9	70.17	11.20	3.27	1.15	1.43	0.62	2.01	0.69	0.22	0.04	0.012	755	28	103
AERSR223088	Stream	0.2	0.3	0.7	0.07	0.2	1.2	71.25	10.95	3.16	1.28	1.45	0.55	2.01	0.71	0.22	0.02	0.014	1111	30	98
AERSR223089	Stream	0.1	0.2	1.2	0.05	0.1	0.9	70.83	10.14	3.29	1.40	2.57	0.86	1.62	0.72	0.22	0.05	0.012	714	<20	130
AERSR223090	Stream	0.1	0.2	1.1	0.07	0.1	0.9	70.39	9.97	3.40	1.42	2.70	0.83	1.60	0.73	0.23	0.05	0.013	691	32	125



BUREAU MINERAL LABORATORIES
VERITAS Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Page:

4 of 5

Part:

4 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

Method	LF300	LF300	LF300	LF300	LF300	LF300	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte	Zr	Y	Nb	Sc	LOI	Sum	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
MDL	5	3	5	1	-5.1	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
AERSR223061	Pulp DUP	634	29	10	9	10.9	99.91	1.22	15.92	10.12	107.3	196	26.0	7.1	264	1.76	6.1	0.8	0.8	26.4
AERSR223062	Stream	610	27	16	10	12.1	99.90	0.92	20.63	9.63	95.3	201	26.8	8.1	467	1.89	4.6	0.6	1.6	36.8
AERSR223063	Stream	878	30	13	10	9.7	99.92	1.13	22.03	12.00	88.6	168	29.3	10.2	512	1.94	6.2	0.7	1.4	32.0
AERSR223064	Stream	1121	32	15	8	9.1	99.90	1.08	12.66	8.31	96.2	139	23.0	6.4	205	1.54	4.9	0.7	0.8	24.3
AERSR223065	Rock Pulp	169	10	21	9	1.4	99.86	12.53	153.16	250.89	210.0	103	80.2	49.7	265	1.58	9.1	0.4	35.9	31.0
AERSR223066	Stream	709	29	10	9	10.8	99.89	1.18	15.52	9.87	106.0	182	25.6	7.0	254	1.72	6.1	0.8	0.8	26.9
AERSR223067	Stream	726	32	17	10	7.3	99.93	1.09	18.12	9.40	92.4	204	23.8	7.0	161	1.52	5.3	1.0	9.6	36.3
AERSR223068	Stream	770	31	15	11	10.4	99.90	0.88	24.18	8.95	82.0	143	25.7	8.9	429	1.90	5.0	0.6	1.9	43.3
AERSR223069	Stream	647	28	10	10	9.0	99.92	1.11	17.85	9.37	86.4	172	24.5	7.4	200	1.69	5.7	0.8	1.2	26.7
AERSR223070	Stream	1327	36	19	9	10.0	99.91	0.78	11.68	8.73	86.4	125	20.7	6.1	181	1.45	4.7	0.7	0.7	30.9
AERSR223071	Stream	786	27	11	7	15.0	99.89	0.81	9.28	7.24	59.8	111	15.7	4.8	170	1.26	5.1	0.6	0.7	44.7
AERSR223072	Stream	829	30	14	9	10.1	99.90	1.49	16.48	11.05	88.0	197	24.3	7.3	120	1.76	8.6	0.9	0.7	40.7
AERSR223073	Stream	496	29	16	11	12.9	99.91	0.83	24.83	10.65	111.3	249	28.5	9.0	322	1.85	4.3	0.6	2.5	51.2
AERSR223074	Stream	530	29	14	10	10.2	99.92	0.93	20.17	11.04	87.7	145	25.7	9.8	473	1.94	6.5	0.5	1.4	62.8
AERSR223075	Stream	382	14	8	4	31.8	99.84	1.13	6.45	3.89	47.2	75	11.3	2.8	169	0.73	3.1	0.5	0.3	122.8
AERSR223076	Stream	560	26	11	8	15.0	99.92	0.80	15.05	8.58	72.9	179	19.0	6.3	316	1.42	4.3	0.6	0.9	65.6
AERSR223077	Stream	1040	34	19	10	12.4	99.89	1.18	16.91	9.90	141.7	178	24.8	7.0	402	1.63	5.7	0.8	1.0	47.3
AERSR223078	Stream	678	28	12	10	15.3	99.88	0.77	18.73	8.76	79.3	148	22.8	7.3	246	1.65	4.7	0.7	1.4	79.5
AERSR223079	Stream	349	21	8	9	15.6	99.91	0.29	16.94	8.35	70.2	103	23.6	9.9	772	1.86	3.8	0.5	1.0	73.3
AERSR223080	Stream	613	25	15	8	22.7	99.83	0.87	15.19	7.57	76.7	211	21.1	5.9	281	1.22	4.0	0.6	1.1	51.6
AERSR223081	Pulp DUP	1036	33	13	10	8.4	99.92	0.92	20.59	8.36	94.3	211	26.8	7.9	326	1.87	4.9	0.8	2.0	45.5
AERSR223082	Stream	579	29	16	11	8.0	99.92	0.60	15.71	10.75	97.4	146	26.7	9.5	406	2.00	7.3	0.7	1.0	23.6
AERSR223083	Stream	627	32	19	12	6.6	99.88	2.62	24.24	15.03	102.5	261	29.8	8.6	104	2.39	15.3	0.9	1.2	33.7
AERSR223084	Stream	444	32	12	12	16.4	99.90	1.26	28.45	13.10	131.2	556	32.4	9.5	342	1.66	4.7	1.2	1.9	45.8
AERSR223085	Stream	472	32	15	13	10.8	99.90	3.73	33.84	15.88	138.1	343	31.6	9.5	270	2.54	17.7	0.7	2.1	54.9
AERSR223086	Stream	367	28	11	14	10.2	99.91	1.60	34.73	11.79	99.7	290	31.8	12.0	604	2.46	7.8	0.8	2.6	54.5
AERSR223087	Stream	669	29	17	10	8.9	99.91	0.81	19.33	8.92	100.4	205	27.4	8.1	296	1.82	5.0	0.6	1.1	28.1
AERSR223088	Stream	775	31	12	10	8.0	99.90	1.00	18.49	10.86	98.0	198	26.9	8.6	155	1.79	7.2	0.7	0.9	30.9
AERSR223089	Stream	1013	31	10	10	8.0	99.91	0.79	19.52	7.90	91.8	176	25.1	7.6	365	1.75	4.1	0.7	1.4	42.2
AERSR223090	Stream	1063	33	19	10	8.4	99.93	0.83	19.65	8.26	90.9	203	24.6	7.4	329	1.86	4.8	0.7	1.5	46.1



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Page:

4 of 5

Part:

5 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

	Method Analyte Unit MDL	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
		0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
AERSR223061	Pulp DUP	0.71	0.55	0.12	32	2.12	0.081	10.4	17.7	0.91	241.4	0.003	4	0.92	0.006	0.12	<0.1	3.1	0.18	0.07	42
AERSR223062	Stream	0.83	0.68	0.13	40	1.72	0.083	13.4	20.9	0.79	233.9	0.005	3	1.33	0.007	0.12	<0.1	3.8	0.17	0.03	50
AERSR223063	Stream	0.57	0.54	0.17	23	0.93	0.068	11.6	16.9	0.50	381.9	0.002	2	1.10	0.008	0.13	<0.1	4.0	0.20	0.06	51
AERSR223064	Stream	0.61	0.48	0.10	28	1.86	0.080	9.9	16.3	0.87	204.1	0.003	3	0.80	0.006	0.10	<0.1	2.6	0.15	0.06	30
AERSR223065	Rock Pulp	0.48	0.21	0.13	23	0.56	0.050	22.5	31.1	0.47	53.4	0.071	1	0.79	0.084	0.11	<0.1	2.8	0.07	0.04	12
AERSR223066	Stream	0.70	0.54	0.12	31	2.07	0.082	10.1	17.4	0.91	231.3	0.003	4	0.90	0.006	0.12	<0.1	3.0	0.17	0.07	43
AERSR223067	Stream	0.77	0.57	0.13	23	0.42	0.084	7.6	12.3	0.25	303.2	0.002	2	0.78	0.005	0.11	<0.1	2.9	0.14	0.04	52
AERSR223068	Stream	0.60	0.59	0.13	29	2.70	0.075	11.5	19.3	1.06	255.6	0.005	2	1.18	0.007	0.10	<0.1	3.7	0.12	0.05	45
AERSR223069	Stream	0.51	0.48	0.13	26	1.16	0.074	10.6	15.8	0.56	236.1	0.002	3	0.91	0.007	0.11	<0.1	3.0	0.16	0.07	47
AERSR223070	Stream	0.44	0.37	0.11	25	2.05	0.077	12.0	15.8	0.76	195.4	0.003	4	0.92	0.007	0.10	<0.1	2.5	0.15	0.05	40
AERSR223071	Stream	0.25	0.33	0.09	19	5.04	0.074	7.6	12.2	1.41	270.4	0.002	4	0.71	0.008	0.10	<0.1	2.0	0.11	0.11	31
AERSR223072	Stream	0.29	0.50	0.15	24	2.15	0.080	8.5	15.1	0.83	315.3	0.001	6	0.80	0.007	0.15	<0.1	2.8	0.16	0.19	38
AERSR223073	Stream	0.75	0.50	0.14	27	0.66	0.084	8.1	16.9	0.35	272.1	0.002	3	1.16	0.006	0.13	<0.1	3.8	0.15	0.06	71
AERSR223074	Stream	0.42	0.46	0.15	23	1.30	0.075	7.6	15.1	0.51	622.4	0.002	3	1.04	0.009	0.14	<0.1	3.6	0.14	0.09	48
AERSR223075	Stream	0.36	0.30	0.05	10	16.96	0.044	5.0	6.7	3.88	78.1	<0.001	4	0.25	0.012	0.08	<0.1	1.4	0.10	0.07	23
AERSR223076	Stream	0.57	0.41	0.12	21	3.71	0.075	8.1	13.0	0.66	293.2	0.003	5	0.99	0.008	0.12	<0.1	2.7	0.13	0.14	46
AERSR223077	Stream	0.72	0.50	0.14	27	3.01	0.093	9.5	17.0	0.96	299.1	0.002	5	1.01	0.007	0.14	<0.1	3.2	0.18	0.08	48
AERSR223078	Stream	0.44	0.46	0.12	28	5.65	0.070	9.9	18.3	1.63	291.5	0.003	3	1.17	0.009	0.13	<0.1	3.4	0.12	0.05	39
AERSR223079	Stream	0.27	0.29	0.11	23	2.94	0.069	8.8	18.2	0.94	278.9	0.002	2	1.29	0.009	0.11	<0.1	3.5	0.11	0.04	39
AERSR223080	Stream	0.70	0.44	0.08	16	7.52	0.078	5.3	9.4	3.84	144.1	<0.001	3	0.59	0.008	0.10	<0.1	2.6	0.09	0.03	63
AERSR223081	Pulp DUP	0.74	0.63	0.11	35	1.69	0.089	13.1	19.8	0.62	279.0	0.006	3	1.13	0.006	0.12	<0.1	3.7	0.15	0.03	54
AERSR223082	Stream	0.22	0.31	0.13	25	0.40	0.067	5.3	15.4	0.28	296.2	0.001	3	1.02	0.006	0.10	<0.1	3.4	0.12	0.04	55
AERSR223083	Stream	0.27	0.63	0.19	20	0.88	0.084	3.1	13.1	0.53	268.3	<0.001	4	0.69	0.007	0.11	<0.1	3.3	0.18	0.42	64
AERSR223084	Stream	1.57	0.73	0.16	28	0.59	0.088	7.4	16.0	0.24	262.5	0.001	2	1.08	0.005	0.12	<0.1	4.1	0.18	0.05	113
AERSR223085	Stream	0.81	0.65	0.26	22	0.82	0.115	7.5	13.2	0.32	398.9	<0.001	4	0.83	0.007	0.16	<0.1	5.3	0.31	0.18	91
AERSR223086	Stream	0.61	0.64	0.17	35	0.69	0.079	9.0	21.8	0.49	281.5	0.002	2	1.47	0.008	0.12	<0.1	5.0	0.17	0.14	66
AERSR223087	Stream	0.63	0.44	0.11	26	0.88	0.083	7.8	15.1	0.41	219.1	0.002	3	0.92	0.005	0.11	<0.1	3.5	0.13	0.05	63
AERSR223088	Stream	0.38	0.37	0.14	22	0.95	0.084	5.2	13.9	0.47	379.2	0.001	4	0.82	0.006	0.11	<0.1	3.2	0.15	0.19	64
AERSR223089	Stream	0.76	0.57	0.10	34	1.49	0.083	11.8	18.6	0.59	271.7	0.005	2	1.09	0.005	0.10	<0.1	3.5	0.14	0.03	41
AERSR223090	Stream	0.71	0.43	0.12	33	1.67	0.091	13.2	18.9	0.63	292.5	0.006	3	1.11	0.006	0.10	<0.1	3.5	0.14	0.03	42



BUREAU MINERAL LABORATORIES
VERITAS Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Page:

4 of 5

Part: 6 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

Method Analyte Unit MDL		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
		0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	0.02	0.02
AERSR223061	Pulp DUP	1.1	0.04	3.0	0.93	<0.1	0.06	0.12	11.3	0.4	<0.05	1.9	12.41	20.5	0.02	1	0.6	12.4	3.19	12.91
AERSR223062	Stream	1.1	0.04	4.2	1.00	<0.1	0.08	0.16	10.0	0.5	<0.05	2.2	11.81	26.7	0.03	1	0.7	13.5	3.64	14.29
AERSR223063	Stream	0.8	0.04	3.4	1.05	<0.1	0.07	0.07	12.6	0.7	<0.05	1.9	11.88	25.3	0.03	<1	0.7	13.3	3.59	14.79
AERSR223064	Stream	0.9	0.04	2.7	0.88	<0.1	0.05	0.08	9.9	0.3	<0.05	1.7	10.98	20.3	0.02	<1	0.5	11.0	2.96	12.15
AERSR223065	Rock Pulp	0.1	<0.02	2.6	1.06	<0.1	0.16	0.42	7.1	2.2	<0.05	5.7	5.54	39.4	0.04	<1	0.2	7.9	4.71	15.66
AERSR223066	Stream	1.1	0.04	3.1	0.97	<0.1	0.06	0.12	11.6	0.4	<0.05	1.9	12.18	20.8	0.02	2	0.6	12.6	3.05	12.61
AERSR223067	Stream	1.0	0.04	2.2	1.20	<0.1	<0.02	0.07	10.0	0.3	<0.05	0.8	11.08	16.1	0.02	2	0.6	11.0	2.35	10.02
AERSR223068	Stream	0.7	0.05	3.4	1.11	<0.1	0.06	0.13	8.5	0.5	<0.05	1.8	10.35	24.3	0.02	<1	0.6	13.2	3.19	12.90
AERSR223069	Stream	0.9	0.05	3.0	1.05	<0.1	0.05	0.08	10.9	0.4	<0.05	1.5	11.05	21.6	0.02	<1	0.6	11.6	3.07	12.69
AERSR223070	Stream	0.7	0.04	2.9	1.04	<0.1	0.06	0.09	11.0	0.7	<0.05	1.8	10.63	24.0	0.02	<1	0.5	11.3	3.36	13.26
AERSR223071	Stream	0.9	0.03	2.1	0.80	<0.1	0.04	0.08	9.3	0.3	<0.05	1.2	9.98	14.6	<0.02	1	0.4	9.6	2.08	9.48
AERSR223072	Stream	0.9	0.06	2.6	1.25	<0.1	0.04	0.06	12.8	0.4	<0.05	2.0	11.52	18.2	0.03	3	0.7	13.8	2.59	11.67
AERSR223073	Stream	1.7	0.05	3.3	1.25	<0.1	0.05	0.15	10.7	0.4	<0.05	1.7	11.61	16.9	0.03	3	0.8	15.6	2.28	10.62
AERSR223074	Stream	0.9	0.04	3.1	1.09	<0.1	0.07	0.10	10.5	0.5	<0.05	2.1	9.87	17.2	0.03	2	0.6	13.0	2.28	10.46
AERSR223075	Stream	1.0	0.02	0.6	0.46	<0.1	<0.02	0.02	4.3	0.2	<0.05	0.6	7.61	7.5	<0.02	2	0.3	4.6	1.15	5.03
AERSR223076	Stream	1.4	0.04	2.7	0.86	<0.1	0.07	0.20	10.1	0.4	<0.05	2.3	10.63	16.2	0.02	3	0.6	12.8	2.21	9.93
AERSR223077	Stream	1.2	0.04	2.8	1.14	<0.1	0.06	0.11	12.4	0.4	<0.05	1.9	12.64	19.9	0.03	2	0.7	14.5	2.81	12.17
AERSR223078	Stream	0.8	0.05	3.3	0.99	<0.1	0.07	0.12	10.4	0.4	<0.05	2.2	10.94	20.0	0.02	1	0.6	13.4	2.82	11.38
AERSR223079	Stream	0.8	0.02	3.7	0.61	<0.1	0.11	0.14	10.6	0.5	<0.05	3.1	8.92	19.0	0.03	<1	0.6	13.0	2.56	10.57
AERSR223080	Stream	1.0	0.03	1.3	0.86	<0.1	0.03	0.05	7.4	0.6	<0.05	1.1	10.08	11.1	0.02	<1	0.5	8.3	1.52	7.15
AERSR223081	Pulp DUP	0.9	0.04	3.4	0.99	<0.1	0.05	0.15	9.6	0.4	<0.05	1.6	12.27	26.1	0.02	1	0.6	15.4	3.54	14.46
AERSR223082	Stream	0.9	0.05	2.9	1.30	<0.1	0.05	0.09	13.4	0.5	<0.05	1.9	10.89	12.4	0.03	2	0.7	17.5	1.69	8.29
AERSR223083	Stream	1.3	0.08	1.9	2.00	<0.1	0.02	0.02	11.4	0.4	<0.05	1.7	11.38	8.0	0.03	8	0.6	13.3	1.31	7.07
AERSR223084	Stream	2.2	0.05	2.9	1.56	<0.1	0.05	0.13	12.7	0.5	<0.05	1.6	14.61	15.6	0.03	2	0.8	14.8	2.16	10.30
AERSR223085	Stream	2.0	0.06	2.0	1.59	<0.1	0.03	0.07	11.7	0.9	<0.05	1.2	14.33	16.9	0.05	9	0.8	11.1	2.59	11.75
AERSR223086	Stream	1.2	0.07	4.2	1.52	<0.1	0.05	0.12	10.4	0.5	<0.05	1.7	13.18	18.9	0.03	4	0.8	18.1	2.75	11.89
AERSR223087	Stream	0.9	0.04	2.6	1.09	<0.1	0.04	0.10	9.9	0.5	<0.05	1.5	11.79	15.6	0.02	2	0.7	14.8	2.11	9.72
AERSR223088	Stream	1.1	0.06	2.3	1.42	<0.1	0.04	0.08	11.4	0.4	<0.05	1.7	11.75	11.7	0.03	3	0.6	14.6	1.65	8.20
AERSR223089	Stream	0.8	0.04	3.2	0.92	<0.1	0.05	0.12	8.5	0.6	<0.05	1.6	11.16	23.1	<0.02	1	0.5	14.8	3.19	12.91
AERSR223090	Stream	0.8	0.03	3.2	0.78	<0.1	0.06	0.20	8.0	0.4	<0.05	1.8	11.84	26.5	0.02	<1	0.6	15.1	3.40	14.64



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Page:

4 of 5

Part:

7 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

Method Analyte Unit MDL		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
AERSR223061	Pulp DUP	0.58	2.78	0.36	1.99	0.34	0.89	0.10	0.59	0.08	<10	<2
AERSR223062	Stream	0.58	2.61	0.33	1.87	0.33	0.87	0.10	0.62	0.08	<10	<2
AERSR223063	Stream	0.63	3.10	0.39	2.13	0.35	0.90	0.10	0.60	0.08	<10	<2
AERSR223064	Stream	0.52	2.51	0.32	1.79	0.30	0.79	0.09	0.52	0.07	<10	<2
AERSR223065	Rock Pulp	0.48	1.53	0.18	1.00	0.17	0.48	0.06	0.41	0.05	46	23
AERSR223066	Stream	0.57	2.71	0.34	1.94	0.33	0.88	0.10	0.58	0.08	<10	<2
AERSR223067	Stream	0.54	2.69	0.35	1.96	0.33	0.85	0.10	0.54	0.07	<10	<2
AERSR223068	Stream	0.59	2.68	0.33	1.86	0.31	0.81	0.09	0.56	0.07	<10	<2
AERSR223069	Stream	0.55	2.62	0.33	1.84	0.31	0.82	0.09	0.56	0.07	<10	<2
AERSR223070	Stream	0.53	2.53	0.32	1.78	0.29	0.79	0.09	0.53	0.07	<10	<2
AERSR223071	Stream	0.44	2.18	0.28	1.57	0.27	0.71	0.08	0.47	0.06	<10	<2
AERSR223072	Stream	0.56	2.74	0.36	2.02	0.34	0.87	0.10	0.53	0.07	<10	<2
AERSR223073	Stream	0.60	2.87	0.36	2.01	0.34	0.88	0.10	0.58	0.08	<10	<2
AERSR223074	Stream	0.54	2.66	0.34	1.85	0.30	0.78	0.09	0.51	0.07	<10	<2
AERSR223075	Stream	0.24	1.23	0.16	0.96	0.17	0.47	0.05	0.33	0.04	<10	<2
AERSR223076	Stream	0.49	2.38	0.30	1.73	0.29	0.77	0.09	0.53	0.07	<10	<2
AERSR223077	Stream	0.58	2.83	0.36	2.07	0.35	0.92	0.10	0.61	0.08	<10	<2
AERSR223078	Stream	0.51	2.37	0.30	1.73	0.30	0.80	0.09	0.57	0.08	<10	<2
AERSR223079	Stream	0.49	2.31	0.29	1.61	0.26	0.68	0.08	0.46	0.06	<10	<2
AERSR223080	Stream	0.42	2.10	0.28	1.60	0.27	0.70	0.08	0.48	0.06	<10	<2
AERSR223081	Pulp DUP	0.60	2.84	0.36	2.04	0.35	0.96	0.11	0.68	0.09	<10	<2
AERSR223082	Stream	0.53	2.77	0.35	1.98	0.33	0.83	0.09	0.52	0.07	<10	<2
AERSR223083	Stream	0.58	3.04	0.40	2.23	0.36	0.88	0.09	0.50	0.06	<10	<2
AERSR223084	Stream	0.65	3.20	0.43	2.44	0.42	1.14	0.13	0.79	0.11	<10	<2
AERSR223085	Stream	0.76	3.68	0.47	2.63	0.43	1.09	0.12	0.72	0.10	<10	<2
AERSR223086	Stream	0.71	3.26	0.42	2.33	0.39	1.00	0.11	0.67	0.09	<10	<2
AERSR223087	Stream	0.55	2.69	0.35	1.99	0.33	0.87	0.10	0.57	0.07	<10	<2
AERSR223088	Stream	0.55	2.86	0.38	2.10	0.35	0.88	0.10	0.54	0.07	<10	<2
AERSR223089	Stream	0.55	2.55	0.32	1.87	0.32	0.87	0.10	0.61	0.08	<10	<2
AERSR223090	Stream	0.67	2.93	0.37	2.10	0.36	0.95	0.11	0.69	0.09	<10	<2



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Page:

5 of 5

Part:

1 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

Method	Analyte	WGHT	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
		Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		MDL	0.01	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
AERSR223091	Rock Pulp	0.06	461	1	48.4	1.8	12.9	3.7	16.4	36.6	6	350.7	0.4	3.9	0.8	58	1.1	150.8	10.4	27.8	49.0



BUREAU MINERAL LABORATORIES
VERITAS Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Page:

5 of 5

Part:

2 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

Method	Analyte	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		MDL	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5
AERSR223091	Rock Pulp	6.25	21.7	3.52	0.97	2.72	0.39	2.00	0.38	1.08	0.16	0.92	0.16	12.1	155.4	272.8	212	78.5	9.8	0.5



BUREAU MINERAL LABORATORIES
VERITAS Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Page:

5 of 5

Part:

3 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

Method	Analyte	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
		Bi	Ag	Au	Hg	Tl	Se	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	Ni	Sr
		ppm	ppm	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm
		MDL	0.1	0.1	0.5	0.01	0.1	0.5	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	20	2
AERSR223091	Rock Pulp	0.1	0.1	37.5	0.02	<0.1	<0.5	71.68	12.16	4.07	1.73	3.32	3.42	1.45	0.39	0.13	0.07	0.015	475	94	398



BUREAU MINERAL LABORATORIES
VERITAS Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Page:

5 of 5

Part:

4 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

	Method Analyte Unit MDL	LF300	LF300	LF300	LF300	LF300	LF300	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Zr	Y	Nb	Sc	LOI	Sum	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
		5	3	5	1	-5.1	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
AERSR223091	Rock Pulp	166	12	20	9	1.3	99.85	12.30	157.25	280.86	214.8	107	79.7	49.7	275	1.59	9.9	0.4	36.0	3.2	32.4



BUREAU MINERAL LABORATORIES
VERITAS Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Page:

5 of 5

Part:

5 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

	Method Analyte Unit MDL	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
		0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
AERSR223091	Rock Pulp	0.49	0.19	0.14	22	0.56	0.056	25.1	31.8	0.49	61.1	0.070	1	0.80	0.094	0.11	<0.1	2.9	0.08	0.04	14



BUREAU MINERAL LABORATORIES
VERITAS Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Page:

5 of 5

Part:

6 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

	Method Analyte Unit MDL	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd	Sm
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	0.02	0.02	0.02
AERSR223091	Rock Pulp	0.2	<0.02	2.6	1.14	<0.1	0.18	0.36	6.8	2.2	<0.05	5.9	5.40	43.0	0.04	<1	0.2	8.5	5.19	17.65	2.59



BUREAU MINERAL LABORATORIES
VERITAS Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Page:

5 of 5

Part:

7 of 7

CERTIFICATE OF ANALYSIS

VAN22003353.1

Method Analyte Unit MDL	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	
	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2	
AERSR223091	Rock Pulp	0.56	1.73	0.20	1.10	0.19	0.53	0.07	0.46	0.06	45	26



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

QUALITY CONTROL REPORT

VAN22003353.1

	Method	WGHT	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
	Analyte	Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
AERSR223035	Stream Sedim	1.42	646	1	8.8	6.7	15.3	10.9	16.4	97.6	2	232.4	0.8	10.4	4.2	128	1.4	422.4	29.4	34.1	65.1
AERSR223073	Stream Sedim	1.61	828	2	9.7	5.4	13.2	11.3	13.2	81.0	2	129.6	0.8	9.2	3.8	139	1.5	464.2	29.9	31.6	58.5
Pulp Duplicates																					
AERSR223005	Stream Sedim	1.55	685	<1	6.7	5.1	11.4	7.7	11.0	75.8	1	193.5	0.7	7.9	2.8	108	1.3	302.1	25.0	26.5	49.3
REP AERSR223005	QC		722	<1	7.3	5.5	11.4	8.2	10.9	76.1	<1	201.6	0.8	8.7	3.2	114	1.1	327.0	24.2	27.0	50.3
AERSR223006	Stream Sedim	1.51	579	6	7.4	3.9	11.0	19.7	11.1	68.1	1	108.4	0.8	10.3	4.2	111	1.7	799.4	28.4	32.4	61.4
REP AERSR223006	QC																				
AERSR223008	Stream Sedim	1.52	473	<1	6.5	3.7	8.3	10.4	7.6	54.0	<1	118.5	0.5	7.5	2.8	76	1.0	421.9	21.2	24.1	41.5
REP AERSR223008	QC																				
AERSR223018	Stream Sedim	1.53	880	6	12.7	4.8	14.3	9.1	9.9	62.2	2	201.9	0.6	7.6	3.4	138	1.3	349.9	26.0	26.7	51.9
REP AERSR223018	QC																				
AERSR223022	Stream Sedim	1.06	519	2	8.6	4.0	9.0	5.5	7.7	51.5	<1	106.6	0.5	5.8	2.8	87	1.1	215.5	20.0	18.8	36.2
REP AERSR223022	QC																				
AERSR223027	Stream Sedim	1.84	898	1	9.1	5.4	13.5	15.5	13.5	78.1	1	185.5	0.8	10.1	4.1	138	1.2	620.7	31.2	33.5	64.8
REP AERSR223027	QC		878	2	8.7	5.1	13.6	15.6	13.1	78.4	1	190.9	0.9	9.6	4.0	132	1.8	614.1	30.4	35.0	64.9
AERSR223040	Stream Sedim	1.88	631	<1	9.8	3.2	11.6	9.5	9.6	61.4	<1	110.3	0.7	8.3	3.0	93	0.9	367.4	21.2	26.4	48.0
REP AERSR223040	QC		677	<1	9.6	3.7	11.9	9.8	9.3	63.8	1	116.9	0.7	7.9	3.4	97	1.3	384.7	21.7	25.0	45.2
AERSR223042	Stream Sedim	2.11	907	<1	8.6	4.8	12.3	14.2	12.6	78.8	1	108.0	0.9	9.4	4.1	138	1.3	557.3	26.3	30.6	58.6
REP AERSR223042	QC																				
AERSR223045	Stream Sedim	1.97	550	<1	6.4	3.1	8.4	11.9	8.6	54.8	1	184.0	0.7	7.2	3.0	92	0.6	486.5	22.1	24.3	43.8
REP AERSR223045	QC		513	2	6.5	3.2	8.1	12.1	8.3	53.8	<1	177.0	0.6	6.9	3.2	84	0.9	491.3	21.5	22.7	44.2
AERSR223054	Stream Sedim	1.41	1693	2	14.2	6.8	12.7	17.4	15.2	95.9	2	124.0	1.0	11.3	4.4	183	2.1	695.2	30.9	34.4	63.1
REP AERSR223054	QC																				
AERSR223057	Stream Sedim	2.00	873	2	8.9	5.8	15.1	9.3	13.2	87.7	1	108.8	0.8	10.2	4.1	150	1.4	357.9	27.5	30.7	55.9
REP AERSR223057	QC																				
AERSR223076	Stream Sedim	1.39	728	7	7.1	4.2	10.5	13.3	11.1	65.6	1	133.6	0.7	8.6	3.4	101	1.0	554.0	27.4	28.7	53.4
REP AERSR223076	QC		724	<1	6.6	3.9	10.0	12.0	11.4	63.9	1	135.7	0.7	8.7	3.2	97	1.3	516.9	28.3	28.2	51.2
AERSR223077	Stream Sedim	1.82	710	<1	7.3	4.5	11.8	25.4	13.3	75.0	1	109.4	0.9	10.8	4.3	124	1.6	1048.5	33.2	34.1	62.5
REP AERSR223077	QC																				



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Client:

Palmer

470 Granville St. - Suite 630
Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

1 of 4

Part:

2 of 7

QUALITY CONTROL REPORT

VAN22003353.1

	Method Analyte Unit MDL	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
AERSR223035	Stream Sedim	7.89	29.1	5.83	1.25	5.51	0.83	4.94	0.99	3.02	0.44	2.92	0.48	3.1	25.9	11.7	111	32.3	5.3	1.1	0.2
AERSR223073	Stream Sedim	7.23	27.7	5.32	1.14	5.13	0.78	4.59	1.04	3.04	0.45	3.03	0.47	0.8	26.8	12.6	119	29.6	4.6	0.7	0.2
Pulp Duplicates																					
AERSR223005	Stream Sedim	6.02	23.4	4.69	0.95	4.35	0.65	3.90	0.83	2.47	0.36	2.36	0.36	1.0	17.4	11.0	79	20.3	4.5	0.5	0.3
REP AERSR223005	QC	6.22	23.7	4.46	0.99	4.30	0.62	3.96	0.76	2.31	0.33	2.35	0.37								
AERSR223006	Stream Sedim	7.41	28.3	5.45	1.01	4.83	0.73	4.30	0.96	2.93	0.42	3.07	0.49	1.0	14.0	10.7	88	22.5	5.2	0.6	0.3
REP AERSR223006	QC																				
AERSR223008	Stream Sedim	5.31	20.2	3.83	0.71	3.54	0.53	3.24	0.66	2.17	0.30	2.11	0.30	0.6	10.7	7.9	68	17.1	4.4	0.5	0.2
REP AERSR223008	QC																				
AERSR223018	Stream Sedim	6.60	25.5	5.04	1.18	4.91	0.77	4.59	0.95	2.86	0.42	2.78	0.46	0.7	39.9	11.6	98	31.3	6.0	0.9	0.3
REP AERSR223018	QC																				
AERSR223022	Stream Sedim	4.48	17.4	3.59	0.79	3.74	0.55	3.29	0.71	2.03	0.30	1.94	0.32	1.7	25.5	10.2	83	27.5	4.5	0.9	0.6
REP AERSR223022	QC													1.9	25.9	10.3	85	28.8	4.5	0.9	0.6
AERSR223027	Stream Sedim	7.69	30.1	5.71	1.19	5.36	0.83	4.93	1.03	3.08	0.47	3.11	0.52	0.9	20.5	10.3	88	24.4	4.7	0.6	0.2
REP AERSR223027	QC	7.65	30.6	5.56	1.18	5.60	0.78	5.02	0.98	3.01	0.45	3.06	0.53								
AERSR223040	Stream Sedim	5.81	21.3	4.02	0.85	3.94	0.60	3.61	0.73	2.28	0.33	2.25	0.34	0.7	19.2	10.2	78	27.3	4.3	0.7	0.2
REP AERSR223040	QC	5.72	21.1	4.16	0.88	3.85	0.59	3.50	0.77	2.42	0.35	2.38	0.39								
AERSR223042	Stream Sedim	7.13	26.7	5.19	1.13	4.96	0.73	4.62	0.93	2.97	0.45	2.95	0.48	0.8	19.1	10.4	86	25.8	6.0	0.4	0.2
REP AERSR223042	QC																				
AERSR223045	Stream Sedim	5.51	21.3	3.94	0.93	4.01	0.59	3.56	0.74	2.30	0.34	2.26	0.37	1.3	18.0	8.2	79	23.9	4.5	0.7	0.3
REP AERSR223045	QC	5.30	21.1	3.96	0.88	3.81	0.56	3.33	0.70	2.22	0.34	2.31	0.33								
AERSR223054	Stream Sedim	7.99	30.2	5.70	1.25	5.71	0.90	5.09	1.05	3.36	0.52	3.44	0.55	1.3	26.3	17.3	124	28.4	13.5	0.2	0.4
REP AERSR223054	QC																				
AERSR223057	Stream Sedim	6.96	25.4	5.20	1.09	4.76	0.77	4.41	0.94	2.85	0.41	2.81	0.46	1.2	26.6	12.8	109	30.3	7.3	0.7	0.3
REP AERSR223057	QC													1.2	26.8	12.9	110	30.5	7.3	0.8	0.3
AERSR223076	Stream Sedim	6.70	25.7	4.83	0.94	4.52	0.69	4.12	0.91	2.69	0.43	2.94	0.43	0.8	16.4	9.9	78	19.8	5.1	0.7	0.2
REP AERSR223076	QC	6.36	23.6	4.67	0.97	4.47	0.71	4.49	0.90	2.69	0.42	2.86	0.47								
AERSR223077	Stream Sedim	7.80	29.5	5.52	1.13	5.32	0.76	4.88	1.04	3.59	0.56	3.80	0.62	1.1	17.2	10.7	141	24.2	5.9	0.6	0.3
REP AERSR223077	QC																				



BUREAU
VERITAS

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Client:

Palmer

470 Granville St. - Suite 630
Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

1 of 4

Part:

3 of 7

QUALITY CONTROL REPORT

VAN22003353.1

	Method Analyte Unit MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
		Bi	Ag	Au	Hg	Tl	Se	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	Ni	Sr
		ppm	ppm	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm
		0.1	0.1	0.5	0.01	0.1	0.5	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	20
AERSR223035	Stream Sedim	0.2	0.3	1.0	0.11	0.3	1.8	63.95	13.20	3.44	1.20	1.03	0.84	2.34	0.67	0.28	0.09	0.011	660	33	221
AERSR223073	Stream Sedim	0.2	0.3	1.7	0.08	0.2	1.9	65.50	12.08	3.47	1.04	1.13	0.75	1.93	0.68	0.23	0.05	0.011	835	27	127
Pulp Duplicates																					
AERSR223005	Stream Sedim	0.2	0.2	1.3	0.06	0.2	1.4	61.84	9.92	2.65	1.42	3.56	0.66	1.70	0.52	0.20	0.06	0.007	743	<20	198
REP AERSR223005	QC																				
AERSR223006	Stream Sedim	0.2	0.2	1.0	0.05	0.2	1.4	69.12	9.93	2.83	1.50	2.19	0.81	1.68	0.58	0.22	0.05	0.011	617	20	106
REP AERSR223006	QC							69.02	9.96	2.89	1.52	2.20	0.81	1.68	0.58	0.21	0.05	0.012	618	22	106
AERSR223008	Stream Sedim	0.1	0.1	0.6	0.05	0.1	0.7	45.36	7.63	2.23	4.75	14.65	0.62	1.34	0.41	0.17	0.04	0.008	475	<20	113
REP AERSR223008	QC																				
AERSR223018	Stream Sedim	0.2	0.3	2.5	0.08	0.1	1.1	65.38	14.18	4.70	1.23	1.28	1.61	1.83	0.74	0.20	0.09	0.012	900	30	203
REP AERSR223018	QC																				
AERSR223022	Stream Sedim	0.1	0.3	1.3	0.11	0.2	4.8	41.68	8.82	2.65	2.26	5.66	0.39	1.42	0.44	0.25	0.05	0.008	557	26	113
REP AERSR223022	QC	0.1	0.3	1.2	0.12	0.2	4.9														
AERSR223027	Stream Sedim	0.1	0.4	1.5	0.07	0.2	1.5	68.16	11.73	3.50	1.21	1.49	0.95	1.87	0.64	0.20	0.07	0.010	885	30	176
REP AERSR223027	QC																				
AERSR223040	Stream Sedim	0.2	0.1	0.7	0.06	0.2	1.1	63.12	11.91	3.59	1.88	3.09	1.05	1.71	0.57	0.19	0.11	0.012	704	26	119
REP AERSR223040	QC																				
AERSR223042	Stream Sedim	0.1	0.1	0.7	0.06	0.1	0.9	73.14	10.77	3.23	1.05	0.82	0.67	1.94	0.63	0.19	0.05	0.011	973	30	110
REP AERSR223042	QC							73.05	10.75	3.27	1.07	0.82	0.68	1.96	0.63	0.20	0.05	0.012	965	29	109
AERSR223045	Stream Sedim	0.1	0.1	1.0	0.05	0.2	1.7	52.45	8.05	2.72	2.64	8.84	0.55	1.56	0.49	0.21	0.07	0.010	594	27	183
REP AERSR223045	QC																				
AERSR223054	Stream Sedim	0.2	0.3	0.8	0.07	0.1	1.2	69.29	11.52	3.95	1.28	1.36	0.46	2.25	0.71	0.24	0.02	0.014	1751	33	128
REP AERSR223054	QC																				
AERSR223057	Stream Sedim	0.2	0.3	1.4	0.07	0.2	0.9	69.32	12.77	3.74	1.07	0.75	0.77	2.17	0.68	0.19	0.07	0.013	914	35	111
REP AERSR223057	QC	0.2	0.3	1.3	0.07	0.2	1.0														
AERSR223076	Stream Sedim	0.1	0.2	1.2	0.05	0.1	1.6	62.97	8.89	2.72	1.56	5.61	0.63	1.55	0.58	0.21	0.04	0.008	736	<20	130
REP AERSR223076	QC																				
AERSR223077	Stream Sedim	0.1	0.2	1.0	0.05	0.2	1.2	63.81	10.13	3.05	2.14	4.60	0.58	1.99	0.68	0.25	0.06	0.012	747	<20	109
REP AERSR223077	QC							63.81	10.18	3.05	2.13	4.59	0.58	1.97	0.69	0.24	0.05	0.012	739	25	110



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Client:

Palmer

470 Granville St. - Suite 630
Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

1 of 4

Part:

4 of 7

QUALITY CONTROL REPORT

VAN22003353.1

Method Analyte Unit MDL		LF300	LF300	LF300	LF300	LF300	LF300	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Zr	Y	Nb	Sc	LOI	Sum	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
		5	3	5	1	-5.1	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
AERSR223035	Stream Sedim	428	30	20	12	12.7	99.92	2.96	24.16	11.85	115.4	332	32.1	8.3	663	1.93	5.3	0.8	1.4	3.4	137.7
AERSR223073	Stream Sedim	496	29	16	11	12.9	99.91	0.83	24.83	10.65	111.3	249	28.5	9.0	322	1.85	4.3	0.6	2.5	2.2	51.2
Pulp Duplicates																					
AERSR223005	Stream Sedim	323	23	11	8	17.2	99.91	0.94	16.81	10.49	78.6	207	20.1	6.0	400	1.36	4.1	0.7	1.4	2.0	116.3
REP AERSR223005	QC																				
AERSR223006	Stream Sedim	840	28	15	8	10.8	99.93	0.98	13.64	10.42	85.8	151	22.3	6.5	335	1.54	4.7	0.8	1.3	3.4	28.5
REP AERSR223006	QC	853	29	16	8	10.8	99.92														
AERSR223008	Stream Sedim	430	22	8	6	22.5	99.88	0.72	11.30	7.55	69.8	128	18.5	5.3	274	1.08	4.0	0.6	0.2	2.4	55.9
REP AERSR223008	QC							0.71	11.32	7.74	69.5	117	18.3	5.3	275	1.08	3.7	0.6	0.7	2.4	54.6
AERSR223018	Stream Sedim	358	26	15	14	8.5	99.92	0.71	33.59	10.59	94.1	288	28.6	11.5	677	2.62	5.9	0.8	2.1	2.7	72.7
REP AERSR223018	QC							0.68	35.94	10.86	95.5	285	30.0	11.8	682	2.67	6.0	0.9	2.2	2.9	75.7
AERSR223022	Stream Sedim	259	22	11	9	36.2	99.91	1.58	23.51	9.78	81.1	286	24.9	7.9	409	1.46	4.4	0.7	1.9	1.2	58.9
REP AERSR223022	QC																				
AERSR223027	Stream Sedim	621	30	19	11	9.9	99.93	0.81	18.84	10.55	84.0	373	23.3	7.4	479	1.91	5.0	0.8	0.9	3.0	57.8
REP AERSR223027	QC																				
AERSR223040	Stream Sedim	436	23	13	10	12.5	99.92	0.74	17.78	10.16	79.8	132	25.3	8.8	849	1.91	4.7	0.7	1.2	3.8	27.0
REP AERSR223040	QC																				
AERSR223042	Stream Sedim	619	28	18	10	7.2	99.92	0.85	18.00	11.23	91.2	173	25.5	7.9	368	1.86	6.7	0.8	0.9	3.9	40.4
REP AERSR223042	QC	607	28	16	10	7.2	99.92														
AERSR223045	Stream Sedim	597	23	11	8	22.2	99.92	1.33	16.72	8.69	76.9	162	22.9	6.2	541	1.60	5.1	0.8	5.9	2.7	138.4
REP AERSR223045	QC																				
AERSR223054	Stream Sedim	728	33	21	12	8.5	99.90	1.34	25.60	15.63	124.2	289	28.3	14.3	149	2.25	12.8	0.7	1.6	3.2	52.7
REP AERSR223054	QC							1.32	25.23	15.33	120.4	287	27.8	13.8	146	2.20	12.7	0.7	1.7	3.1	50.3
AERSR223057	Stream Sedim	356	29	15	12	8.2	99.90	1.22	25.24	11.18	102.6	269	29.3	9.3	509	2.03	6.5	0.6	1.6	2.6	38.8
REP AERSR223057	QC																				
AERSR223076	Stream Sedim	560	26	11	8	15.0	99.92	0.80	15.05	8.58	72.9	179	19.0	6.3	316	1.42	4.3	0.6	0.9	2.2	65.6
REP AERSR223076	QC																				
AERSR223077	Stream Sedim	1040	34	19	10	12.4	99.89	1.18	16.91	9.90	141.7	178	24.8	7.0	402	1.63	5.7	0.8	1.0	3.2	47.3
REP AERSR223077	QC	1038	33	16	10	12.4	99.89														



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Client:

Palmer

470 Granville St. - Suite 630
Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

1 of 4

Part:

5 of 7

QUALITY CONTROL REPORT

VAN22003353.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
	MDL	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
AERSR223035	Stream Sedim	1.27	0.33	0.20	28	0.65	0.116	8.0	14.6	0.35	357.3	0.001	8	1.30	0.017	0.21	<0.1	5.3	0.35	0.06	102
AERSR223073	Stream Sedim	0.75	0.50	0.14	27	0.66	0.084	8.1	16.9	0.35	272.1	0.002	3	1.16	0.006	0.13	<0.1	3.8	0.15	0.06	71
Pulp Duplicates																					
AERSR223005	Stream Sedim	0.47	0.29	0.15	27	2.24	0.072	9.5	14.3	0.57	315.1	0.003	6	1.14	0.011	0.17	<0.1	2.7	0.18	0.06	60
REP AERSR223005	QC																				
AERSR223006	Stream Sedim	0.52	0.35	0.15	33	1.36	0.080	12.5	15.5	0.63	205.2	0.002	4	1.10	0.009	0.16	<0.1	2.8	0.18	0.06	47
REP AERSR223006	QC																				
AERSR223008	Stream Sedim	0.38	0.35	0.20	19	9.17	0.063	9.1	11.5	2.49	162.1	0.002	3	0.74	0.011	0.13	<0.1	2.3	0.11	0.06	32
REP AERSR223008	QC	0.37	0.34	0.13	18	9.15	0.062	9.1	11.1	2.47	164.6	0.002	3	0.73	0.011	0.12	<0.1	2.2	0.13	0.06	35
AERSR223018	Stream Sedim	0.91	0.44	0.21	46	0.56	0.088	16.4	22.8	0.52	300.9	0.011	2	1.88	0.007	0.17	<0.1	5.7	0.13	<0.02	77
REP AERSR223018	QC	0.94	0.42	0.17	48	0.57	0.083	17.2	22.3	0.52	317.1	0.013	4	1.93	0.007	0.17	<0.1	6.1	0.14	0.02	91
AERSR223022	Stream Sedim	0.97	0.58	0.13	28	3.96	0.110	7.4	18.2	1.15	288.4	0.003	7	1.01	0.010	0.19	<0.1	3.1	0.15	0.09	115
REP AERSR223022	QC																				
AERSR223027	Stream Sedim	0.66	0.28	0.14	36	0.83	0.088	14.9	18.2	0.47	392.5	0.007	4	1.54	0.008	0.17	<0.1	4.5	0.17	0.04	80
REP AERSR223027	QC																				
AERSR223040	Stream Sedim	0.72	0.22	0.15	30	1.97	0.074	13.8	19.9	0.83	298.3	0.003	4	1.45	0.010	0.14	<0.1	4.1	0.18	0.04	38
REP AERSR223040	QC																				
AERSR223042	Stream Sedim	0.39	0.25	0.14	32	0.50	0.073	10.1	17.0	0.38	471.2	0.003	4	1.20	0.008	0.16	<0.1	3.9	0.16	0.05	64
REP AERSR223042	QC																				
AERSR223045	Stream Sedim	0.72	0.44	0.10	28	6.68	0.087	9.8	19.7	1.49	297.9	0.004	6	1.05	0.009	0.17	<0.1	3.7	0.17	0.12	40
REP AERSR223045	QC																				
AERSR223054	Stream Sedim	0.23	0.71	0.17	21	0.89	0.088	3.7	14.7	0.44	477.8	<0.001	4	0.74	0.007	0.12	<0.1	3.2	0.14	0.24	67
REP AERSR223054	QC	0.22	0.70	0.16	21	0.88	0.087	3.7	14.6	0.43	478.9	<0.001	4	0.74	0.007	0.12	<0.1	3.2	0.14	0.24	61
AERSR223057	Stream Sedim	0.73	0.57	0.16	25	0.44	0.068	6.3	16.9	0.33	226.2	0.001	2	1.12	0.006	0.11	<0.1	4.0	0.16	0.04	62
REP AERSR223057	QC																				
AERSR223076	Stream Sedim	0.57	0.41	0.12	21	3.71	0.075	8.1	13.0	0.66	293.2	0.003	5	0.99	0.008	0.12	<0.1	2.7	0.13	0.14	46
REP AERSR223076	QC																				
AERSR223077	Stream Sedim	0.72	0.50	0.14	27	3.01	0.093	9.5	17.0	0.96	299.1	0.002	5	1.01	0.007	0.14	<0.1	3.2	0.18	0.08	48
REP AERSR223077	QC																				



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Client:

Palmer

470 Granville St. - Suite 630
Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

1 of 4

Part:

6 of 7

QUALITY CONTROL REPORT

VAN22003353.1

	Method Analyte Unit MDL	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd	Sm
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	0.02	0.02	0.02
AERSR223035	Stream Sedim	1.5	0.04	3.3	1.67	<0.1	0.06	0.10	15.9	0.5	<0.05	1.5	13.17	18.7	0.02	13	0.8	24.5	2.76	13.64	3.50
AERSR223073	Stream Sedim	1.7	0.05	3.3	1.25	<0.1	0.05	0.15	10.7	0.4	<0.05	1.7	11.61	16.9	0.03	3	0.8	15.6	2.28	10.62	2.70
Pulp Duplicates																					
AERSR223005	Stream Sedim	1.4	0.04	3.2	1.28	<0.1	0.05	0.32	13.9	0.4	<0.05	2.1	11.47	18.7	0.02	4	0.7	15.3	2.49	11.26	2.76
REP AERSR223005	QC																				
AERSR223006	Stream Sedim	1.4	0.03	3.2	0.96	<0.1	0.06	0.13	12.5	0.4	<0.05	2.0	11.57	24.6	0.02	2	0.6	13.3	3.28	14.40	3.18
REP AERSR223006	QC																				
AERSR223008	Stream Sedim	1.1	0.03	2.2	0.68	<0.1	0.05	0.10	8.2	0.3	<0.05	1.6	10.09	15.1	<0.02	<1	0.4	8.6	2.34	9.40	2.07
REP AERSR223008	QC	1.2	0.03	2.1	0.70	<0.1	0.05	0.10	8.0	0.3	<0.05	1.6	9.97	15.2	<0.02	1	0.4	8.4	2.35	9.38	2.08
AERSR223018	Stream Sedim	0.6	0.03	5.1	1.49	<0.1	0.05	0.29	9.5	0.6	<0.05	1.3	9.95	32.6	0.03	<1	0.7	19.5	4.26	17.49	3.52
REP AERSR223018	QC	0.6	0.03	5.4	1.49	<0.1	0.05	0.36	10.2	0.6	<0.05	1.4	10.18	33.7	0.04	<1	0.5	20.1	4.29	17.10	3.37
AERSR223022	Stream Sedim	3.9	<0.02	2.8	0.87	<0.1	0.04	0.30	9.9	0.5	<0.05	1.5	10.21	15.5	0.04	5	0.8	11.9	2.12	9.96	2.54
REP AERSR223022	QC																				
AERSR223027	Stream Sedim	1.2	<0.02	4.4	1.23	<0.1	0.05	0.37	13.6	0.5	<0.05	1.8	12.50	29.4	0.02	2	0.4	20.5	4.00	16.37	3.71
REP AERSR223027	QC																				
AERSR223040	Stream Sedim	0.8	<0.02	4.6	0.94	<0.1	0.13	0.12	13.6	0.6	<0.05	2.7	10.34	29.9	0.03	2	0.8	18.3	3.84	16.28	3.49
REP AERSR223040	QC																				
AERSR223042	Stream Sedim	0.4	0.02	3.7	1.43	<0.1	0.04	0.12	13.2	0.3	<0.05	1.4	11.81	21.9	0.03	1	0.6	20.8	3.05	14.34	3.73
REP AERSR223042	QC																				
AERSR223045	Stream Sedim	1.4	0.03	3.2	1.10	<0.1	0.03	0.14	10.8	0.4	<0.05	1.3	11.13	19.3	0.02	4	0.3	12.9	2.80	13.34	2.92
REP AERSR223045	QC																				
AERSR223054	Stream Sedim	1.2	0.09	2.1	2.00	<0.1	<0.02	0.05	12.2	0.3	<0.05	0.8	12.51	9.8	0.04	2	0.7	15.1	1.50	7.74	2.61
REP AERSR223054	QC	1.2	0.06	2.1	1.96	<0.1	<0.02	0.04	11.8	0.3	<0.05	0.8	12.27	9.2	0.04	2	0.7	14.9	1.45	7.58	2.53
AERSR223057	Stream Sedim	0.9	0.07	3.2	1.58	<0.1	0.05	0.07	10.9	0.4	<0.05	1.6	11.62	14.6	0.03	3	0.7	16.9	2.02	9.71	2.70
REP AERSR223057	QC																				
AERSR223076	Stream Sedim	1.4	0.04	2.7	0.86	<0.1	0.07	0.20	10.1	0.4	<0.05	2.3	10.63	16.2	0.02	3	0.6	12.8	2.21	9.93	2.38
REP AERSR223076	QC																				
AERSR223077	Stream Sedim	1.2	0.04	2.8	1.14	<0.1	0.06	0.11	12.4	0.4	<0.05	1.9	12.64	19.9	0.03	2	0.7	14.5	2.81	12.17	2.91
REP AERSR223077	QC																				



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Client:

Palmer

470 Granville St. - Suite 630
Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

1 of 4

Part: 7 of 7

QUALITY CONTROL REPORT

VAN22003353.1

Method Analyte Unit MDL		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
AERSR223035	Stream Sedim	0.85	4.18	0.50	2.98	0.47	1.22	0.12	0.75	0.11	<10	<2
AERSR223073	Stream Sedim	0.60	2.87	0.36	2.01	0.34	0.88	0.10	0.58	0.08	<10	<2
Pulp Duplicates												
AERSR223005	Stream Sedim	0.62	2.86	0.36	2.04	0.34	0.86	0.10	0.58	0.08	<10	<2
REP AERSR223005	QC											
AERSR223006	Stream Sedim	0.63	2.96	0.36	2.06	0.35	0.86	0.10	0.62	0.08	<10	<2
REP AERSR223006	QC											
AERSR223008	Stream Sedim	0.42	1.98	0.29	1.47	0.26	0.68	0.07	0.46	0.05	<10	<2
REP AERSR223008	QC	0.41	1.95	0.29	1.46	0.25	0.68	0.06	0.48	0.04	<10	<2
AERSR223018	Stream Sedim	0.74	2.84	0.40	1.96	0.35	0.98	0.12	0.84	0.11	<10	<2
REP AERSR223018	QC	0.71	3.03	0.39	2.29	0.37	0.90	0.12	0.86	0.10	<10	<2
AERSR223022	Stream Sedim	0.51	2.52	0.34	1.90	0.36	0.98	0.08	0.59	0.09	<10	<2
REP AERSR223022	QC											
AERSR223027	Stream Sedim	0.78	3.50	0.43	2.36	0.38	1.11	0.13	0.79	0.11	<10	2
REP AERSR223027	QC											
AERSR223040	Stream Sedim	0.66	3.46	0.41	2.10	0.38	0.96	0.10	0.70	0.09	<10	<2
REP AERSR223040	QC											
AERSR223042	Stream Sedim	0.75	4.03	0.43	2.63	0.38	1.14	0.12	0.68	0.10	<10	<2
REP AERSR223042	QC											
AERSR223045	Stream Sedim	0.58	3.04	0.36	2.05	0.36	0.87	0.11	0.68	0.09	<10	<2
REP AERSR223045	QC											
AERSR223054	Stream Sedim	0.62	3.34	0.44	2.41	0.39	0.94	0.10	0.55	0.07	<10	<2
REP AERSR223054	QC	0.60	3.26	0.44	2.35	0.38	0.90	0.10	0.53	0.07	<10	<2
AERSR223057	Stream Sedim	0.61	2.97	0.39	2.13	0.35	0.89	0.10	0.58	0.08	<10	<2
REP AERSR223057	QC											
AERSR223076	Stream Sedim	0.49	2.38	0.30	1.73	0.29	0.77	0.09	0.53	0.07	<10	<2
REP AERSR223076	QC											
AERSR223077	Stream Sedim	0.58	2.83	0.36	2.07	0.35	0.92	0.10	0.61	0.08	<10	<2
REP AERSR223077	QC											



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Client:

Palmer

470 Granville St. - Suite 630
Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

2 of 4

Part:

1 of 7

QUALITY CONTROL REPORT

VAN22003353.1

		WGHT	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
		Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
AERSR223090	Stream Sedim	1.95	683	1	8.0	3.4	10.1	23.7	12.3	58.0	1	112.2	0.7	9.6	4.4	118	1.2	961.1	32.1	30.6	52.7
REP AERSR223090	QC																				
Reference Materials																					
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD DS11	Standard																				
STD DS11	Standard																				
STD DS11	Standard																				
STD DS11	Standard																				
STD DS11	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD SO-19	Standard		431	13	20.5	4.5	15.9	3.0	65.7	19.1	18	285.0	4.8	12.7	19.3	149	10.0	108.2	33.4	66.9	146.6
STD SO-19	Standard		486	25	23.0	4.3	16.8	3.1	71.6	20.6	20	316.8	5.0	14.2	19.8	160	9.8	115.1	36.3	70.2	155.5
STD SO-19	Standard																				
STD SO-19	Standard																				



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Client:

Palmer

470 Granville St. - Suite 630
Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

2 of 4

Part:

2 of 7

QUALITY CONTROL REPORT

VAN22003353.1

		LF100 Pr ppm 0.02	LF100 Nd ppm 0.3	LF100 Sm ppm 0.05	LF100 Eu ppm 0.02	LF100 Gd ppm 0.05	LF100 Tb ppm 0.01	LF100 Dy ppm 0.05	LF100 Ho ppm 0.02	LF100 Er ppm 0.03	LF100 Tm ppm 0.01	LF100 Yb ppm 0.05	LF100 Lu ppm 0.01	AQ200 Mo ppm 0.1	AQ200 Cu ppm 0.1	AQ200 Pb ppm 0.1	AQ200 Zn ppm 1	AQ200 Ni ppm 0.1	AQ200 As ppm 0.5	AQ200 Cd ppm 0.1	AQ200 Sb ppm 0.1
AERSR223090	Stream Sedim	7.36	28.4	5.26	1.14	4.82	0.81	4.60	1.17	3.47	0.57	3.66	0.65	0.8	20.1	8.7	92	25.2	5.1	0.7	0.3
REP AERSR223090	QC																				
Reference Materials																					
STD BVGEO01	Standard													10.2	4390.4	178.4	1749	162.8	121.5	6.2	2.6
STD BVGEO01	Standard													10.1	4463.1	177.6	1728	162.1	119.8	6.0	2.4
STD BVGEO01	Standard													9.8	4310.8	174.6	1718	147.7	116.9	5.7	2.3
STD BVGEO01	Standard													10.3	4538.7	181.4	1800	166.9	125.0	5.9	2.4
STD BVGEO01	Standard													10.8	4336.1	194.4	1677	151.6	121.9	6.6	2.6
STD DS11	Standard																				
STD DS11	Standard																				
STD DS11	Standard																				
STD DS11	Standard																				
STD DS11	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard													0.6	112.5	53.7	151	61.9	35.1	0.6	3.4
STD OREAS262	Standard													0.6	115.5	54.7	154	63.9	37.5	0.6	2.9
STD OREAS262	Standard																				
STD OREAS262	Standard													0.6	110.4	53.3	148	61.6	35.7	0.6	2.8
STD OREAS262	Standard													0.6	119.0	52.9	157	65.3	37.2	0.6	2.5
STD OREAS262	Standard																				
STD OREAS262	Standard													0.6	112.8	58.6	149	63.0	38.5	0.7	3.2
STD SO-19	Standard	18.51	70.4	12.37	3.36	9.17	1.27	6.97	1.27	3.53	0.49	3.33	0.47								
STD SO-19	Standard	19.65	74.3	13.08	3.59	10.18	1.35	7.32	1.39	3.74	0.50	3.49	0.48								
STD SO-19	Standard																				
STD SO-19	Standard																				



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Client:

Palmer

470 Granville St. - Suite 630
Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

2 of 4

Part:

3 of 7

QUALITY CONTROL REPORT

VAN22003353.1

		AQ200 Bi ppm	AQ200 Ag ppm	AQ200 Au ppb	AQ200 Hg ppm	AQ200 Tl ppm	AQ200 Se ppm	LF300 SiO2 %	LF300 Al2O3 %	LF300 Fe2O3 %	LF300 MgO %	LF300 CaO %	LF300 Na2O %	LF300 K2O %	LF300 TiO2 %	LF300 P2O5 %	LF300 MnO %	LF300 Cr2O3 %	LF300 Ba ppm	LF300 Ni ppm	LF300 Sr ppm
		0.1	0.1	0.5	0.01	0.1	0.5	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	20	2
AERSR223090	Stream Sedim	0.1	0.2	1.1	0.07	0.1	0.9	70.39	9.97	3.40	1.42	2.70	0.83	1.60	0.73	0.23	0.05	0.013	691	32	125
REP AERSR223090	QC																				
Reference Materials																					
STD BVGEO01	Standard	23.3	2.5	205.8	0.10	0.6	4.9														
STD BVGEO01	Standard	23.3	2.6	213.8	0.10	0.6	5.2														
STD BVGEO01	Standard	22.8	2.4	203.2	0.09	0.6	4.9														
STD BVGEO01	Standard	24.0	2.6	216.5	0.09	0.6	5.5														
STD BVGEO01	Standard	25.3	2.7	220.1	0.09	0.6	4.3														
STD DS11	Standard																				
STD DS11	Standard																				
STD DS11	Standard																				
STD DS11	Standard																				
STD DS11	Standard																				
STD DS11	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard	0.9	0.5	57.2	0.16	0.4	0.5														
STD OREAS262	Standard	0.9	0.5	59.6	0.17	0.5	0.7														
STD OREAS262	Standard																				
STD OREAS262	Standard	0.9	0.5	55.0	0.18	0.4	0.8														
STD OREAS262	Standard	0.9	0.5	54.8	0.16	0.5	0.7														
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard	1.0	0.5	58.4	0.16	0.4	<0.5														
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard							60.52	13.94	7.42	2.91	5.94	4.06	1.29	0.70	0.32	0.13	0.500	477	462	314
STD SO-19	Standard							60.60	13.95	7.38	2.91	5.95	4.04	1.26	0.70	0.32	0.13	0.497	476	456	311



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Client:

Palmer

470 Granville St. - Suite 630
Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

2 of 4

Part:

4 of 7

QUALITY CONTROL REPORT

VAN22003353.1

		LF300	LF300	LF300	LF300	LF300	LF300	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Zr	Y	Nb	Sc	LOI	Sum	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
		5	3	5	1	-5.1	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
AERSR223090	Stream Sedim	1063	33	19	10	8.4	99.93	0.83	19.65	8.26	90.9	203	24.6	7.4	329	1.86	4.8	0.7	1.5	3.0	46.1
REP AERSR223090	QC							0.83	19.95	8.38	92.3	209	25.2	7.5	330	1.86	4.8	0.8	2.3	3.1	46.0
Reference Materials																					
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD DS11	Standard							14.33	153.16	138.87	359.4	1770	83.7	14.3	1068	3.20	45.8	2.5	69.6	7.5	67.5
STD DS11	Standard							14.46	143.05	131.37	339.0	1702	76.5	13.6	1022	3.15	43.2	2.5	95.8	7.6	70.5
STD DS11	Standard							14.83	142.22	121.24	338.1	1629	80.3	13.8	1002	3.02	41.7	2.2	60.2	6.7	62.4
STD DS11	Standard							14.12	139.81	136.39	333.4	1728	73.9	13.6	1054	3.18	44.2	2.5	74.4	8.8	67.5
STD DS11	Standard							14.35	147.75	133.52	347.4	1650	79.8	13.8	1050	3.14	43.8	2.4	68.2	7.4	67.3
STD DS11	Standard							14.93	140.86	133.30	322.1	1730	82.4	14.2	1013	3.08	42.8	2.6	71.1	7.8	65.1
STD OREAS262	Standard							0.61	115.09	54.71	155.6	460	62.6	27.6	539	3.26	36.7	1.1	49.7	8.9	34.4
STD OREAS262	Standard							0.60	116.86	55.25	150.8	463	62.7	27.3	542	3.33	35.5	1.2	56.1	9.0	35.4
STD OREAS262	Standard							0.68	110.55	52.00	148.7	430	63.3	27.4	523	3.06	34.1	1.0	60.2	7.8	32.5
STD OREAS262	Standard																				
STD OREAS262	Standard							0.63	105.91	54.20	148.8	470	60.1	26.0	550	3.28	37.1	1.1	44.9	9.6	34.4
STD OREAS262	Standard																				
STD OREAS262	Standard							0.62	114.26	54.66	158.0	455	65.3	27.5	546	3.28	36.2	1.1	56.2	8.8	34.3
STD OREAS262	Standard							0.69	110.23	56.55	150.9	464	67.0	28.6	532	3.24	36.2	1.2	60.1	9.4	34.1
STD OREAS262	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard	121	35	76	27	1.9	99.86														
STD SO-19	Standard	120	35	69	27	1.9	99.87														



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Client:

Palmer

470 Granville St. - Suite 630
Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

2 of 4

Part: 5 of 7

QUALITY CONTROL REPORT

VAN22003353.1

		AQ251 Cd ppm 0.01	AQ251 Sb ppm 0.02	AQ251 Bi ppm 0.02	AQ251 V ppm 1	AQ251 Ca % 0.01	AQ251 P % 0.001	AQ251 La ppm 0.5	AQ251 Cr ppm 0.5	AQ251 Mg % 0.01	AQ251 Ba ppm 0.5	AQ251 Ti % 0.001	AQ251 B ppm 1	AQ251 Al % 0.01	AQ251 Na % 0.001	AQ251 K % 0.01	AQ251 W ppm 0.1	AQ251 Sc ppm 0.1	AQ251 Ti ppm 0.02	AQ251 S % 0.02	AQ251 Hg ppb 5
AERSR223090	Stream Sedim	0.71	0.43	0.12	33	1.67	0.091	13.2	18.9	0.63	292.5	0.006	3	1.11	0.006	0.10	<0.1	3.5	0.14	0.03	42
REP AERSR223090	QC	0.73	0.44	0.11	33	1.63	0.093	13.3	19.1	0.63	298.9	0.006	3	1.11	0.006	0.11	<0.1	3.6	0.14	0.03	48
Reference Materials																					
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD DS11	Standard	2.31	7.35	11.41	47	1.10	0.073	17.9	61.3	0.88	371.0	0.096	7	1.17	0.078	0.41	3.0	3.2	4.94	0.29	249
STD DS11	Standard	2.17	7.30	10.76	52	1.10	0.072	19.7	59.8	0.84	372.3	0.098	8	1.22	0.082	0.41	2.8	3.3	4.81	0.29	287
STD DS11	Standard	2.26	8.55	10.09	47	1.02	0.065	15.3	58.2	0.81	306.9	0.088	7	1.10	0.071	0.39	2.6	3.0	4.38	0.27	251
STD DS11	Standard	2.31	6.34	11.11	51	1.11	0.068	18.9	52.7	0.87	376.6	0.092	10	1.25	0.082	0.41	2.5	3.5	5.01	0.28	264
STD DS11	Standard	2.33	8.29	11.16	49	1.07	0.070	17.9	59.3	0.85	369.4	0.094	7	1.16	0.080	0.41	3.0	3.2	4.69	0.28	272
STD DS11	Standard	2.34	7.63	10.84	46	1.03	0.063	18.3	59.2	0.84	341.4	0.095	7	1.18	0.082	0.40	2.8	3.2	4.97	0.28	325
STD OREAS262	Standard	0.60	3.62	0.91	20	2.97	0.038	15.3	43.2	1.18	241.2	0.003	4	1.25	0.069	0.30	0.2	3.1	0.45	0.27	169
STD OREAS262	Standard	0.60	3.51	0.91	23	2.92	0.038	18.5	47.0	1.19	253.4	0.003	5	1.55	0.070	0.35	0.1	3.3	0.49	0.27	169
STD OREAS262	Standard	0.60	5.81	0.85	20	2.80	0.035	13.5	42.1	1.13	219.7	0.002	3	1.28	0.064	0.29	0.2	2.9	0.42	0.25	154
STD OREAS262	Standard																				
STD OREAS262	Standard	0.59	2.87	0.93	23	3.05	0.040	18.7	42.3	1.19	259.3	0.003	5	1.45	0.071	0.34	0.1	3.5	0.47	0.27	177
STD OREAS262	Standard																				
STD OREAS262	Standard	0.62	4.65	0.92	22	3.01	0.040	18.2	42.5	1.16	237.2	0.003	4	1.29	0.069	0.33	0.2	3.1	0.44	0.26	170
STD OREAS262	Standard	0.65	4.85	1.00	21	2.87	0.037	17.5	45.9	1.17	241.9	0.003	4	1.35	0.069	0.32	0.2	3.2	0.49	0.27	157
STD OREAS262	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Client:

Palmer

470 Granville St. - Suite 630
Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

2 of 4

Part:

6 of 7

QUALITY CONTROL REPORT

VAN22003353.1

		AQ251 Se ppm 0.1	AQ251 Te ppm 0.02	AQ251 Ga ppm 0.1	AQ251 Cs ppm 0.02	AQ251 Ge ppm 0.1	AQ251 Hf ppm 0.02	AQ251 Nb ppm 0.02	AQ251 Rb ppm 0.1	AQ251 Sn ppm 0.1	AQ251 Ta ppm 0.05	AQ251 Zr ppm 0.1	AQ251 Y ppm 0.01	AQ251 Ce ppm 0.1	AQ251 In ppm 0.02	AQ251 Re ppb 1	AQ251 Be ppm 0.1	AQ251 Li ppm 0.1	AQ251 Pr ppm 0.02	AQ251 Nd ppm 0.02	AQ251 Sm ppm 0.02
AERSR223090	Stream Sedim	0.8	0.03	3.2	0.78	<0.1	0.06	0.20	8.0	0.4	<0.05	1.8	11.84	26.5	0.02	<1	0.6	15.1	3.40	14.64	3.19
REP AERSR223090	QC	0.9	0.04	3.3	0.81	<0.1	0.06	0.19	8.3	0.4	<0.05	1.7	12.22	26.9	0.02	1	0.6	15.3	3.47	14.98	3.26
Reference Materials																					
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD DS11	Standard	2.6	4.92	5.0	2.82	<0.1	0.07	1.63	34.8	1.7	<0.05	3.3	8.30	37.0	0.23	48	0.7	22.7	3.77	14.80	2.65
STD DS11	Standard	2.4	4.77	5.0	2.86	<0.1	0.07	1.61	33.7	1.7	<0.05	3.4	8.71	38.9	0.22	45	0.7	22.8	4.03	15.82	2.77
STD DS11	Standard	2.5	4.97	4.8	2.57	<0.1	0.05	1.37	33.0	1.6	<0.05	2.7	8.03	30.9	0.23	42	0.7	21.7	3.38	12.30	2.23
STD DS11	Standard	2.2	4.82	5.3	2.85	<0.1	0.07	1.58	35.2	1.8	<0.05	3.1	8.36	39.1	0.24	46	0.7	23.2	4.21	16.07	2.94
STD DS11	Standard	2.3	4.74	4.7	2.71	<0.1	0.08	1.83	33.3	1.8	<0.05	3.4	8.28	36.7	0.23	45	0.7	21.6	4.08	14.65	2.64
STD DS11	Standard	2.3	4.62	5.1	2.86	<0.1	0.07	1.54	32.6	1.7	<0.05	3.4	8.06	35.3	0.23	46	0.7	21.6	3.89	14.12	2.53
STD OREAS262	Standard	0.7	0.27	3.8	2.30	<0.1	0.30	<0.02	17.7	0.5	<0.05	12.5	11.04	30.5	0.03	<1	1.2	17.3	3.49	14.42	3.16
STD OREAS262	Standard	0.6	0.24	4.2	2.81	<0.1	0.25	<0.02	22.5	0.6	<0.05	11.3	11.23	37.0	0.03	1	1.2	17.6	4.16	16.99	3.53
STD OREAS262	Standard	0.7	0.26	3.8	2.57	<0.1	0.28	<0.02	18.8	0.5	<0.05	13.7	10.91	27.1	0.03	<1	1.1	15.6	3.37	12.53	2.75
STD OREAS262	Standard																				
STD OREAS262	Standard	0.2	0.23	4.5	2.63	<0.1	0.22	<0.02	21.1	0.6	<0.05	8.7	10.51	36.4	0.02	<1	0.8	17.9	4.25	17.03	3.50
STD OREAS262	Standard																				
STD OREAS262	Standard	0.6	0.24	3.8	2.56	<0.1	0.30	<0.02	19.5	0.5	<0.05	13.3	10.88	34.4	0.03	1	1.1	16.5	4.24	15.77	3.33
STD OREAS262	Standard	0.6	0.26	4.1	2.79	<0.1	0.33	<0.02	19.2	0.5	<0.05	14.2	10.94	33.2	0.03	<1	1.1	16.7	4.04	15.10	3.23
STD OREAS262	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Client:

Palmer

470 Granville St. - Suite 630
Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

2 of 4

Part: 7 of 7

QUALITY CONTROL REPORT

VAN22003353.1

		AQ251 Eu ppm 0.02	AQ251 Gd ppm 0.02	AQ251 Tb ppm 0.02	AQ251 Dy ppm 0.02	AQ251 Ho ppm 0.02	AQ251 Er ppm 0.02	AQ251 Tm ppm 0.02	AQ251 Yb ppm 0.02	AQ251 Lu ppm 0.02	AQ251 Pd ppb 10	AQ251 Pt ppb 2
AERSR223090	Stream Sedim	0.67	2.93	0.37	2.10	0.36	0.95	0.11	0.69	0.09	<10	<2
REP AERSR223090	QC	0.67	3.00	0.38	2.14	0.37	0.99	0.11	0.71	0.09	<10	<2
Reference Materials												
STD BVGEO01	Standard											
STD BVGEO01	Standard											
STD BVGEO01	Standard											
STD BVGEO01	Standard											
STD BVGEO01	Standard											
STD DS11	Standard	0.49	2.12	0.27	1.58	0.28	0.81	0.11	0.74	0.10	103	175
STD DS11	Standard	0.52	2.28	0.28	1.67	0.30	0.85	0.11	0.78	0.11	98	172
STD DS11	Standard	0.39	1.80	0.23	1.34	0.24	0.70	0.09	0.63	0.09	99	153
STD DS11	Standard	0.51	2.03	0.28	1.78	0.30	0.89	0.13	0.82	0.11	85	172
STD DS11	Standard	0.49	2.11	0.29	1.57	0.29	0.81	0.12	0.75	0.12	97	166
STD DS11	Standard	0.45	2.00	0.28	1.50	0.26	0.77	0.09	0.68	0.08	97	166
STD OREAS262	Standard	0.61	2.86	0.36	2.11	0.37	1.04	0.13	0.84	0.12	<10	<2
STD OREAS262	Standard	0.65	3.07	0.38	2.23	0.39	1.06	0.14	0.87	0.12	<10	<2
STD OREAS262	Standard	0.51	2.51	0.33	1.88	0.33	0.94	0.12	0.75	0.10	<10	<2
STD OREAS262	Standard											
STD OREAS262	Standard											
STD OREAS262	Standard	0.65	3.34	0.39	2.13	0.39	1.05	0.15	0.95	0.12	<10	<2
STD OREAS262	Standard											
STD OREAS262	Standard											
STD OREAS262	Standard	0.63	2.89	0.39	2.13	0.39	1.04	0.14	0.85	0.12	<10	<2
STD OREAS262	Standard	0.60	2.85	0.43	2.12	0.39	1.05	0.13	0.82	0.11	<10	<2
STD OREAS262	Standard											
STD SO-19	Standard											
STD SO-19	Standard											
STD SO-19	Standard											
STD SO-19	Standard											



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

QUALITY CONTROL REPORT

VAN22003353.1

		WGHT	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
		Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
STD SO-19	Standard		476	23	24.3	4.5	16.4	3.1	66.5	19.4	19	306.7	4.8	12.9	18.9	153	9.6	109.4	34.3	68.4	149.8
STD SO-19	Standard		470	17	23.0	4.4	16.9	3.1	68.2	19.3	19	312.1	4.6	13.0	19.0	151	9.4	112.4	34.8	67.1	150.9
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard		481	23	23.7	4.7	16.1	2.9	67.6	19.5	19	308.8	4.8	12.7	18.8	150	8.5	113.6	35.9	69.7	150.5
STD SO-19	Standard		476	25	21.1	4.6	16.9	3.0	64.3	19.4	19	311.9	4.2	12.3	18.5	152	11.1	111.9	34.7	67.6	149.5
STD SO-19	Standard		454	16	22.4	4.2	15.2	3.1	64.4	19.0	18	274.0	4.5	13.1	17.6	151	9.6	107.6	34.3	63.8	142.9
STD SO-19	Standard		455	23	23.6	4.3	15.8	3.1	65.8	19.4	18	280.4	4.6	12.9	17.8	151	8.5	108.2	32.8	64.8	140.2
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard		468	25	22.5	4.4	17.2	3.4	66.3	19.7	19	327.0	4.7	14.1	18.8	163	10.0	117.6	34.2	70.5	161.6
STD SO-19	Standard		454	17	22.8	4.4	16.7	3.0	65.0	19.7	19	318.3	4.6	13.4	19.3	157	10.1	112.5	34.1	70.5	154.8
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard		428	20	22.5	4.1	15.0	3.0	62.4	18.6	17	287.2	4.5	13.1	18.1	152	9.8	105.7	33.0	67.0	148.1
STD SO-19	Standard		445	17	23.2	4.1	16.5	2.8	64.2	18.7	17	289.4	4.5	12.8	18.1	163	9.7	105.8	34.0	67.9	151.0
STD DS11 Expected																					
STD BVGEO01 Expected																					
STD OREAS262 Expected																					
STD SO-19 Expected			486	20	24	4.5	17.5	3.1	68.5	19.5	19	317.1	4.9	13	19.4	165	9.8	112	35.5	71.3	161
BLK	Blank		3	<1	<0.2	<0.1	<0.5	<0.1	<0.1	0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.3	<0.1	<0.1	<0.1
BLK	Blank																				
BLK	Blank		<1	<1	<0.2	<0.1	<0.5	<0.1	<0.1	0.2	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.5	<0.1	<0.1	<0.1
BLK	Blank																				
BLK	Blank		<1	<1	<0.2	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.5	<0.1	<0.1	<0.1
BLK	Blank		1	<1	0.3	<0.1	<0.5	<0.1	<0.1	0.5	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.3	<0.1	<0.1	<0.1
BLK	Blank																				



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Project: AER
Report Date: February 07, 2023

Page: 3 of 4

Part: 2 of 7

QUALITY CONTROL REPORT

VAN22003353.1

		LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
STD SO-19	Standard	19.11	77.9	12.86	3.66	10.13	1.34	6.95	1.36	3.82	0.54	3.49	0.52								
STD SO-19	Standard	19.09	78.1	13.20	3.59	10.40	1.37	7.39	1.35	3.85	0.54	3.46	0.53								
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard	19.21	73.3	13.09	3.52	10.42	1.33	7.23	1.32	3.69	0.51	3.22	0.47								
STD SO-19	Standard	18.48	72.6	12.80	3.40	9.98	1.31	6.93	1.28	3.67	0.51	3.36	0.47								
STD SO-19	Standard	18.65	72.8	12.65	3.45	9.85	1.35	6.83	1.27	3.63	0.49	3.33	0.49								
STD SO-19	Standard	18.59	72.4	12.71	3.50	10.60	1.35	6.76	1.31	3.82	0.51	3.18	0.47								
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard	19.01	73.9	12.65	3.58	10.40	1.35	7.30	1.30	3.71	0.53	3.31	0.50								
STD SO-19	Standard	18.75	73.9	13.05	3.52	10.41	1.33	7.20	1.37	3.86	0.52	3.48	0.50								
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard	18.08	70.9	12.17	3.44	10.09	1.30	6.91	1.33	3.67	0.51	3.17	0.47								
STD SO-19	Standard	18.22	70.7	12.29	3.54	9.98	1.29	7.05	1.34	3.57	0.48	3.27	0.48								
STD DS11 Expected																					
STD BVGE001 Expected														10.8	4415	187	1741	163	121	6.5	2.2
STD OREAS262 Expected														0.68	118	56	154	62	35.8	0.61	3.39
STD SO-19 Expected		19.4	75.7	13.7	3.81	10.53	1.41	7.5	1.39	3.78	0.55	3.55	0.53								
BLK	Blank	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01								
BLK	Blank																				
BLK	Blank	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01								
BLK	Blank																				
BLK	Blank	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01								
BLK	Blank	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01								
BLK	Blank																				



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Client:

Palmer

470 Granville St. - Suite 630
Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

3 of 4

Part:

3 of 7

QUALITY CONTROL REPORT

VAN22003353.1

		AQ200 Bi ppm 0.1	AQ200 Ag ppm 0.1	AQ200 Au ppb 0.5	AQ200 Hg ppm 0.01	AQ200 Tl ppm 0.1	AQ200 Se ppm 0.5	LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01	LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Ba ppm 5	LF300 Ni ppm 20	LF300 Sr ppm 2
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard							60.66	13.88	7.42	2.90	5.89	4.03	1.30	0.69	0.32	0.13	0.498	478	471	311
STD SO-19	Standard							60.53	13.99	7.44	2.92	5.90	4.02	1.29	0.69	0.32	0.13	0.497	479	463	314
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard							60.66	13.82	7.50	2.91	5.91	3.99	1.28	0.71	0.33	0.13	0.497	478	479	311
STD SO-19	Standard							60.68	13.76	7.58	2.90	5.86	3.99	1.29	0.70	0.33	0.13	0.496	487	494	314
STD SO-19	Standard							60.34	13.95	7.50	2.92	5.98	4.07	1.31	0.70	0.32	0.13	0.503	483	481	315
STD SO-19	Standard							60.80	13.79	7.45	2.89	5.94	3.93	1.27	0.70	0.32	0.13	0.498	479	473	313
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard							60.37	13.99	7.46	2.91	5.93	4.12	1.31	0.70	0.33	0.13	0.495	481	472	313
STD SO-19	Standard							60.53	13.92	7.46	2.91	5.92	4.04	1.30	0.70	0.33	0.13	0.498	481	478	312
STD SO-19	Standard																				
STD SO-19	Standard																				
STD DS11 Expected																					
STD BVGE001 Expected		25.6	2.53	219	0.1	0.62	4.84														
STD OREAS262 Expected		1.03	0.45	65	0.17	0.47	0.4														
STD SO-19 Expected								61.13	13.95	7.47	2.88	6	4.11	1.29	0.69	0.32	0.13	0.5	486	470	317.1
BLK	Blank																				
BLK	Blank							0.03	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<20	<2
BLK	Blank																				
BLK	Blank							0.03	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<20	<2
BLK	Blank																				
BLK	Blank																				
BLK	Blank							<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<20	<2



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Client:

Palmer

470 Granville St. - Suite 630
Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

3 of 4

Part:

4 of 7

QUALITY CONTROL REPORT

VAN22003353.1

		LF300	LF300	LF300	LF300	LF300	LF300	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Zr	Y	Nb	Sc	LOI	Sum	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
		5	3	5	1	-5.1	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard	124	35	78	27	1.9	99.86														
STD SO-19	Standard	123	35	77	27	1.9	99.86														
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard	124	35	77	27	1.9	99.85														
STD SO-19	Standard	122	36	75	27	1.9	99.85														
STD SO-19	Standard	124	35	71	27	1.9	99.84														
STD SO-19	Standard	120	35	70	27	1.9	99.84														
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard	126	35	78	27	1.9	99.87														
STD SO-19	Standard	125	36	79	27	1.9	99.85														
STD SO-19	Standard																				
STD SO-19	Standard																				
STD DS11 Expected								14.6	149	138	345	1710	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3
STD BVGEO01 Expected																					
STD OREAS262 Expected								0.68	118	56	154	450	62	26.9	530	3.284	35.8	1.22	65	9.33	36
STD SO-19 Expected		112	35.5	68.5	27																
BLK	Blank																				
BLK	Blank	<5	<3	<5	<1	0.0	<0.01														
BLK	Blank																				
BLK	Blank	<5	<3	<5	<1	0.0	0.04														
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<5	<3	<5	<1	0.0	<0.01														



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Client:

Palmer

470 Granville St. - Suite 630
Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

3 of 4

Part:

5 of 7

QUALITY CONTROL REPORT

VAN22003353.1

		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
		Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
		0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD DS11 Expected		2.37	8.74	12.2	50	1.063	0.0701	18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	3.4	4.9	0.2835	260
STD BVGEO01 Expected																					
STD OREAS262 Expected		0.61	5.06	1.03	22.5	2.98	0.04	15.9	41.7	1.17	248	0.0027	4	1.3	0.071	0.312	0.2	3.24	0.47	0.253	170
STD SO-19 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Client:

Palmer

470 Granville St. - Suite 630
Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

3 of 4

Part:

6 of 7

QUALITY CONTROL REPORT

VAN22003353.1

		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
		Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd	Sm
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	0.02	0.02	0.02
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD DS11 Expected		2.2	4.56	5.1	2.88	0.08	0.06	1.53	33.6	1.8		3.1	7.82	37	0.24	50	0.67	23.3	4	14.9	2.68
STD BVGEO01 Expected																					
STD OREAS262 Expected		0.4	0.23	4.1	2.8		0.27		18.6	0.5		11.7	11.2	32	0.033		1.14	17.8	4	15	3.3
STD SO-19 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Page:

3 of 4

Part: 7 of 7

QUALITY CONTROL REPORT

VAN22003353.1

		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
STD SO-19	Standard											
STD SO-19	Standard											
STD SO-19	Standard											
STD SO-19	Standard											
STD SO-19	Standard											
STD SO-19	Standard											
STD SO-19	Standard											
STD SO-19	Standard											
STD SO-19	Standard											
STD SO-19	Standard											
STD SO-19	Standard											
STD SO-19	Standard											
STD SO-19	Standard											
STD SO-19	Standard											
STD SO-19	Standard											
STD SO-19	Standard											
STD DS11 Expected		0.54	2.22	0.29	1.57	0.29	0.81	0.11	0.75	0.11	100	172
STD BVGEO01 Expected												
STD OREAS262 Expected		0.72	2.93	0.43	2.29	0.41	1.07	0.14	0.9	0.13		
STD SO-19 Expected												
BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank											



www.bvna.com/mining-laboratory-services

Palmer

470 Granville St. - Suite 630
Vancouver British Columbia V6C 1V5 Canada

AER

February 07, 2023

PHONE (604) 253-3158

4 of 4

Part: 1 of 7

VAN22003353.1

		WGHT	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	
		Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
BLK	Blank																				
BLK	Blank		1	<1	<0.2	<0.1	<0.5	<0.1	0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.3	<0.1	<0.1	<0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank		2	<1	<0.2	<0.1	<0.5	<0.1	0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	2.3	<0.1	0.1	<0.1



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

4 of 4

Part:

2 of 7

QUALITY CONTROL REPORT

VAN22003353.1

		LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
BLK	Blank																				
BLK	Blank	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01								
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank													<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1
BLK	Blank													<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1
BLK	Blank																				
BLK	Blank													<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1
BLK	Blank													<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank													<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1
BLK	Blank	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01								



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

4 of 4

Part:

3 of 7

QUALITY CONTROL REPORT

VAN22003353.1

		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
		Bi	Ag	Au	Hg	Tl	Se	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	MgO	CaO	Na ₂ O	K ₂ O	TiO ₂	P ₂ O ₅	MnO	Cr ₂ O ₃	Ba	Ni	Sr
		ppm	ppm	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm
		0.1	0.1	0.5	0.01	0.1	0.5	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	20	2
BLK	Blank							0.04	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<20	<2
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank							<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<20	<2
BLK	Blank																				
BLK	Blank	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5														
BLK	Blank	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5														
BLK	Blank																				
BLK	Blank	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5														
BLK	Blank	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5														
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5														
BLK	Blank																				



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Client:

Palmer

470 Granville St. - Suite 630
Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

4 of 4

Part:

4 of 7

QUALITY CONTROL REPORT

VAN22003353.1

		LF300	LF300	LF300	LF300	LF300	LF300	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Zr	Y	Nb	Sc	LOI	Sum	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
		5	3	5	1	-5.1	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
BLK	Blank	<5	<3	<5	<1	0.0	0.05														
BLK	Blank																				
BLK	Blank							<0.01	0.03	0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank							<0.01	<0.01	0.08	0.2	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank	<5	<3	<5	<1	0.0	<0.01														
BLK	Blank							<0.01	0.03	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank																				
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.3	<0.1	<0.2	<0.1	<0.5
BLK	Blank																				
BLK	Blank							<0.01	<0.01	0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank																				
BLK	Blank																				



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Client:

Palmer

470 Granville St. - Suite 630
Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

4 of 4

Part:

5 of 7

QUALITY CONTROL REPORT

VAN22003353.1

		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
		Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
		0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5
BLK	Blank																				
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5
BLK	Blank																				
BLK	Blank																				



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Client:

Palmer

470 Granville St. - Suite 630
Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

4 of 4

Part:

6 of 7

QUALITY CONTROL REPORT

VAN22003353.1

		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd	Sm
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	0.02	0.02	0.02
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<0.02	<0.02	<0.02
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<0.02	<0.02	<0.02
BLK	Blank																				
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<0.02	<0.02	<0.02
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	3	<0.1	<0.1	<0.02	<0.02	<0.02
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<0.02	<0.02	<0.02
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<0.02	<0.02	<0.02
BLK	Blank																				
BLK	Blank																				



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Project:

AER

Report Date:

February 07, 2023

Page:

4 of 4

Part:

7 of 7

QUALITY CONTROL REPORT

VAN22003353.1

		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
BLK	Blank											
BLK	Blank											
BLK	Blank	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<10	<2
BLK	Blank	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<10	<2
BLK	Blank											
BLK	Blank	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<10	<2
BLK	Blank											
BLK	Blank											
BLK	Blank	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<10	<2
BLK	Blank											
BLK	Blank											
BLK	Blank	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<10	<2
BLK	Blank	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<10	<2
BLK	Blank											
BLK	Blank											