



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Fireweed Zinc Ltd.**
Suite 1020, 800 Pender Street
Vancouver British Columbia V5C 2V6 Canada

Submitted By: Confirmation & Email Distribution List
Receiving Lab: Canada-Whitehorse
Received: October 12, 2020
Analysis Start: January 06, 2021
Report Date: January 17, 2021
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI20000544.1

CLIENT JOB INFORMATION

Project: MacMillan Pass
Shipment ID: FWZ20-BV-017
P.O. Number
Number of Samples: 49

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-500	48	Crush, split and pulverize 500g rock to 200 mesh			WHI
SLBHP	1	Sort, label and box pulps			WHI
CRUBW	48	Extra clean rock wash between samples in crusher			WHI
PULSW	48	Extra Wash with Silica between each sample			VAN
AQ270	49	1:1:1 Aqua Regia digestion ICP-ES/ICP-MS analysis	1	Completed	VAN
LF725	49	Li2B4O7/LiBO2 fusion, analysis by XRF		Completed	VAN
TC000	49	Total C/S Analysis by Leco	0.1	Completed	VAN
TC007	49	Graphite and Organic C by Leco After Ignition	0.1	Completed	VAN
TC006	49	Inorganic Carbon	0.2	Completed	VAN
TC010	49	Analysis by Leco after sodium carbonate leach	0.1	Completed	VAN
SHP01	49	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

V205 from LF725 is Qualitative Data only.

Invoice To: Fireweed Zinc Ltd.
Suite 1020, 800 Pender Street
Vancouver British Columbia V5C 2V6
Canada

CC:



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.



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Page:

2 of 3

Part:

1 of 3

CERTIFICATE OF ANALYSIS

WHI20000544.1

	Method	Analyte	Unit	MDL	WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270			
					Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
					kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.01	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01	0.001
3202527	Drill Core	5.70	17.5	67.1	3805.9	18043	24.4	109.4	9.7	53	25.45	786	2.1	1.1	31	73.1	161.2	<0.5	33	0.03	0.019			
3202528	Drill Core	3.29	13.6	35.0	1070.2	1353	5.7	92.4	11.4	38	6.16	213	2.5	0.8	71	5.2	55.2	<0.5	44	0.03	0.039			
3202529	Drill Core	3.90	10.7	39.1	302.0	304	3.1	59.0	4.6	44	3.16	128	1.3	0.6	59	1.6	45.7	<0.5	33	0.02	0.017			
3202530	Drill Core	3.40	7.5	84.6	1151.5	68431	6.2	56.3	6.3	57	5.64	136	1.5	0.5	53	359.7	64.3	<0.5	24	0.03	0.021			
3202531	Drill Core	4.58	11.2	33.5	822.2	1761	3.7	81.5	7.8	47	4.10	151	1.7	0.7	36	10.3	47.0	<0.5	27	0.02	0.016			
3202532	Drill Core	3.76	17.1	52.5	992.9	1368	4.9	110.8	10.8	53	8.02	199	1.8	0.7	43	9.0	82.3	<0.5	26	0.04	0.028			
3202533	Drill Core	3.15	44.1	59.3	1385.0	6608	6.1	177.1	16.6	89	11.04	377	5.8	0.5	85	44.4	103.1	<0.5	50	0.07	0.062			
3202534	Drill Core	3.74	25.7	58.1	629.5	13172	5.0	118.4	8.1	63	8.36	301	2.6	<0.5	61	96.8	87.5	<0.5	35	0.06	0.046			
3202535	Drill Core	3.73	5.4	75.7	1161.5	8427	8.4	56.4	4.0	58	23.12	341	0.9	<0.5	58	48.4	192.9	<0.5	17	0.08	0.043			
3202536	Drill Core	2.85	5.7	91.7	5367.0	15871	16.0	55.4	5.5	61	22.75	326	2.1	<0.5	63	94.4	343.1	<0.5	20	0.13	0.064			
3202537	Drill Core	3.54	48.3	49.3	530.2	8052	3.2	154.6	10.6	48	4.02	197	14.6	0.5	86	143.1	76.4	<0.5	87	0.02	0.028			
3202538	Drill Core	4.50	30.0	84.0	6019.5	11057	11.0	224.7	26.9	77	8.82	246	29.9	0.7	208	426.5	99.3	<0.5	82	0.09	0.086			
3202539	Drill Core	1.54	22.8	28.9	536.1	420	1.3	80.5	7.3	31	1.48	68	16.0	<0.5	99	302.9	44.0	<0.5	78	0.02	0.038			
3202540	Rock Pulp	0.05	3.7	438.5	34463.3	46671	54.3	16.0	41.4	2109	6.75	143	1.4	5.9	23	167.1	42.9	<0.5	10	4.62	0.057			
3202541	Drill Core	2.75	12.9	36.7	849.1	114	2.3	117.1	17.3	44	2.79	75	6.2	<0.5	91	18.3	29.3	<0.5	44	0.04	0.032			
3202542	Drill Core	2.17	11.1	35.5	1210.5	530	3.4	123.3	15.3	54	3.13	83	4.8	<0.5	120	17.3	29.5	<0.5	44	0.06	0.047			
3202543	Drill Core	3.02	23.4	52.3	1199.4	1673	2.8	167.2	19.5	58	3.42	136	29.2	0.6	161	232.1	51.7	<0.5	86	0.03	0.052			
3202544	Drill Core	3.30	27.7	98.5	4427.9	15629	8.5	322.5	17.3	103	10.97	270	8.7	<0.5	53	118.8	94.8	<0.5	53	0.02	0.018			
3202545	Drill Core	2.40	34.5	42.0	8564.2	347	10.1	125.3	5.5	56	5.09	145	5.9	<0.5	40	12.2	60.2	<0.5	62	0.02	0.023			
3202546	Drill Core	4.01	28.7	44.8	16003.6	1352	18.3	109.6	6.3	64	8.58	155	4.9	<0.5	102	12.7	84.6	<0.5	78	0.07	0.043			
3202547	Drill Core	5.29	28.7	69.3	4136.0	5761	6.5	98.8	3.6	74	13.70	211	3.2	<0.5	113	30.8	129.7	<0.5	81	0.08	0.046			
3202548	Drill Core	3.70	31.9	40.1	5651.7	2972	8.0	104.5	4.1	57	8.21	168	5.8	<0.5	55	26.1	64.4	<0.5	79	0.03	0.030			
3202549	Drill Core	4.60	10.2	77.0	6338.9	3574	11.0	96.7	6.8	69	15.41	255	5.5	<0.5	110	33.7	157.4	<0.5	43	0.06	0.045			
3202550	Drill Core	2.70	29.7	33.1	1563.3	1983	4.1	107.7	6.7	50	5.16	181	3.3	<0.5	97	15.7	47.7	<0.5	51	0.04	0.035			
3202551	Drill Core	5.42	9.2	81.7	1103.2	13261	9.7	92.5	7.8	66	18.12	386	2.4	<0.5	31	102.0	110.3	<0.5	34	0.01	0.017			
3202552	Drill Core	5.06	4.6	170.3	7529.7	79684	20.7	107.1	9.3	128	19.13	383	4.6	<0.5	31	515.1	171.8	<0.5	23	<0.01	0.013			
3202553	Drill Core	5.09	5.1	31.2	316.1	1043	2.9	80.1	10.0	47	7.35	193	2.6	<0.5	37	12.8	49.7	<0.5	22	<0.01	0.014			
3202554	Drill Core	4.25	5.2	52.1	384.5	8857	4.3	136.2	22.3	69	11.09	264	1.5	<0.5	74	50.2	75.8	<0.5	24	0.07	0.061			
3202555	Drill Core	4.54	14.1	42.3	223.7	206	2.8	187.0	21.8	53	7.22	201	1.7	<0.5	113	1.6	55.2	<0.5	30	0.07	0.060			
3202556	Drill Core	3.84	9.6	44.2	266.9	1805	4.3	213.6	21.0	113	9.48	244	2.6	<0.5	49	16.1	66.8	<0.5	27	0.02	0.027			



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Page:

2 of 3

Part:

2 of 3

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WHI20000544.1

Method Analyte Unit MDL		AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
		0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01	0.01	0.01	0.01
3202527	Drill Core	2.2	28.1	<0.01	89	0.001	0.19	<0.01	0.04	<0.5	24.08	1.4	8.4	29.09	<5	6	33.54	2.38	38.05	0.04	0.03
3202528	Drill Core	2.2	26.2	<0.01	247	0.001	0.28	<0.01	0.04	<0.5	4.23	2.4	2.4	6.76	<5	5	59.48	4.88	9.21	0.05	0.06
3202529	Drill Core	1.4	20.5	<0.01	738	0.001	0.23	<0.01	0.05	<0.5	1.97	1.8	2.0	3.16	<5	6	82.76	3.61	4.70	0.03	0.05
3202530	Drill Core	1.1	16.9	<0.01	169	<0.001	0.19	<0.01	0.04	<0.5	101.05	1.9	2.2	9.23	<5	5	70.28	2.70	8.40	0.05	0.04
3202531	Drill Core	1.8	17.0	<0.01	638	<0.001	0.27	<0.01	0.07	<0.5	4.48	1.6	2.4	4.28	<5	2	79.74	4.83	6.14	0.04	0.07
3202532	Drill Core	1.8	18.7	<0.01	589	<0.001	0.27	<0.01	0.07	<0.5	4.17	2.7	4.6	8.58	<5	3	72.37	4.44	11.29	0.06	0.07
3202533	Drill Core	1.6	35.7	<0.01	448	0.002	0.32	<0.01	0.06	<0.5	13.26	2.7	4.6	12.07	<5	4	64.68	4.46	15.77	0.11	0.07
3202534	Drill Core	0.9	35.2	<0.01	569	<0.001	0.22	<0.01	0.04	<0.5	24.50	2.0	3.6	9.38	<5	4	71.94	2.75	11.94	0.10	0.04
3202535	Drill Core	<0.5	18.4	<0.01	96	<0.001	0.10	<0.01	0.02	<0.5	20.61	0.8	6.9	26.07	<5	4	42.63	0.90	34.98	0.11	<0.01
3202536	Drill Core	<0.5	18.9	<0.01	47	<0.001	0.12	<0.01	0.02	<0.5	31.17	1.1	6.2	25.84	<5	4	38.62	0.94	34.17	0.19	<0.01
3202537	Drill Core	2.9	24.9	<0.01	878	<0.001	0.38	<0.01	0.08	<0.5	15.60	2.7	4.1	4.55	<5	4	76.70	5.61	6.03	0.04	0.12
3202538	Drill Core	3.2	40.7	<0.01	598	0.002	0.43	<0.01	0.06	<0.5	22.48	4.2	4.4	10.02	5	6	68.56	4.47	12.80	0.14	0.06
3202539	Drill Core	1.5	25.6	<0.01	573	0.001	0.37	<0.01	0.05	<0.5	0.73	2.5	2.0	1.35	<5	10	86.86	4.12	2.28	0.05	0.06
3202540	Rock Pulp	21.3	12.7	2.60	229	0.017	0.97	0.01	0.61	<0.5	0.95	4.0	41.8	7.46	<5	<2	38.14	7.63	10.86	6.93	4.89
3202541	Drill Core	1.4	23.8	<0.01	866	0.002	0.35	<0.01	0.08	<0.5	1.10	3.3	1.8	2.89	<5	3	82.37	5.99	4.18	0.05	0.09
3202542	Drill Core	1.5	25.9	<0.01	992	0.002	0.39	<0.01	0.08	<0.5	1.89	2.3	1.9	3.25	<5	3	80.91	6.20	4.66	0.10	0.09
3202543	Drill Core	3.6	33.8	0.01	788	0.002	0.41	<0.01	0.07	<0.5	3.34	4.5	2.4	3.66	<5	6	79.81	5.93	5.16	0.06	0.11
3202544	Drill Core	1.8	23.9	<0.01	371	<0.001	0.29	<0.01	0.06	<0.5	29.51	2.9	3.0	12.68	<5	7	62.66	4.78	15.64	0.03	0.08
3202545	Drill Core	1.0	16.3	<0.01	351	0.002	0.16	<0.01	0.03	3.0	2.10	1.8	2.1	5.58	<5	7	81.37	1.92	7.45	0.03	0.04
3202546	Drill Core	0.6	13.4	<0.01	456	0.002	0.15	<0.01	0.03	1.1	4.33	1.8	3.5	9.55	<5	8	72.98	1.72	12.26	0.12	0.02
3202547	Drill Core	1.7	15.6	<0.01	361	0.002	0.12	<0.01	0.02	<0.5	13.25	1.3	8.3	15.25	<5	4	65.07	1.16	19.65	0.12	0.03
3202548	Drill Core	0.7	17.3	<0.01	340	0.002	0.12	<0.01	0.02	0.5	7.05	1.8	4.3	9.02	<5	6	75.83	1.32	11.81	0.04	0.02
3202549	Drill Core	0.9	18.2	<0.01	152	0.001	0.14	<0.01	0.03	<0.5	9.53	1.2	7.8	17.30	<5	4	59.86	1.63	22.79	0.10	0.03
3202550	Drill Core	0.6	15.5	<0.01	364	0.002	0.14	<0.01	0.03	1.3	4.74	2.2	2.5	5.83	<5	3	81.72	1.88	7.95	0.07	0.03
3202551	Drill Core	0.5	22.7	<0.01	112	0.001	0.16	<0.01	0.03	<0.5	30.93	1.6	6.1	20.85	<5	2	53.68	1.58	26.74	0.02	0.02
3202552	Drill Core	0.7	25.4	<0.01	117	<0.001	0.14	<0.01	0.02	<0.5	131.65	0.8	7.2	24.60	12	5	42.00	1.32	27.26	<0.01	0.01
3202553	Drill Core	0.5	21.2	<0.01	440	<0.001	0.17	<0.01	0.03	<0.5	2.77	2.0	2.5	7.98	<5	2	79.61	2.39	10.60	0.01	0.03
3202554	Drill Core	0.6	36.4	<0.01	437	0.002	0.25	<0.01	0.05	<0.5	13.24	2.2	4.5	12.65	<5	2	67.49	3.45	15.69	0.11	0.04
3202555	Drill Core	0.6	34.2	<0.01	677	0.002	0.28	<0.01	0.06	<0.5	1.39	3.0	3.2	8.00	<5	3	75.55	4.37	10.43	0.11	0.06
3202556	Drill Core	0.7	25.8	<0.01	570	0.002	0.22	<0.01	0.05	<0.5	3.72	2.0	2.7	10.57	<5	<2	71.01	3.07	13.22	0.03	0.04



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Page: 2 of 3

Part: 3 of 3

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Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010
Analyte	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	V2O5	TOT/C	TOT/S	C/ORG	C/GRA	CO2	S/S-	SO4
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
MDL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.02	0.15
3202527 Drill Core	0.40	0.01	0.26	0.05	<0.01	0.29	<0.01	0.37	1.73	21.32	99.04	0.03	1.27	31.96	1.24	<0.02	<0.08	18.31	40.90
3202528 Drill Core	0.68	0.01	0.26	0.11	0.01	10.22	<0.01	0.10	0.14	7.46	93.94	0.05	1.23	9.76	1.21	<0.02	<0.08	4.68	15.23
3202529 Drill Core	0.56	<0.01	0.19	0.05	<0.01	1.73	<0.01	0.03	0.03	4.35	98.38	0.03	1.40	3.85	1.34	0.05	<0.08	2.09	5.29
3202530 Drill Core	0.40	<0.01	0.15	0.06	<0.01	0.72	<0.01	0.11	7.02	7.14	98.99	0.02	1.06	10.40	1.03	0.03	<0.08	6.90	10.50
3202531 Drill Core	0.75	0.01	0.26	0.06	<0.01	0.66	<0.01	0.08	0.18	5.29	98.29	0.03	1.63	4.69	1.60	0.03	<0.08	2.94	5.22
3202532 Drill Core	0.71	0.01	0.28	0.07	<0.01	0.60	<0.01	0.09	0.14	8.07	98.37	0.03	1.85	9.07	1.81	0.04	<0.08	6.88	6.55
3202533 Drill Core	0.70	0.02	0.49	0.15	0.02	0.61	<0.01	0.14	0.64	10.85	99.03	0.05	2.34	12.83	2.28	0.05	<0.08	9.29	10.60
3202534 Drill Core	0.44	<0.01	0.19	0.11	<0.01	0.39	<0.01	0.05	1.26	8.45	98.10	0.04	2.02	10.15	1.96	0.06	<0.08	6.82	9.99
3202535 Drill Core	0.14	<0.01	0.08	0.11	<0.01	0.12	<0.01	0.12	0.83	18.64	98.93	0.01	0.92	28.39	0.88	0.03	<0.08	18.68	29.09
3202536 Drill Core	0.13	<0.01	0.08	0.17	<0.01	2.01	<0.01	0.54	1.55	18.76	97.91	0.01	0.91	29.35	0.87	0.04	<0.08	19.33	30.02
3202537 Drill Core	0.92	<0.01	0.29	0.09	0.02	0.68	<0.01	0.05	0.78	7.28	98.94	0.11	3.33	5.03	3.24	0.08	<0.08	4.02	3.02
3202538 Drill Core	0.55	0.01	0.82	0.24	0.03	0.76	<0.01	0.59	1.08	8.95	99.52	0.06	1.69	10.81	1.62	0.06	<0.08	6.89	11.74
3202539 Drill Core	0.56	<0.01	0.31	0.12	0.01	0.56	<0.01	0.05	0.05	3.92	99.09	0.09	2.29	1.50	2.11	0.17	<0.08	0.93	1.71
3202540 Rock Pulp	3.58	0.29	0.25	0.12	<0.01	0.09	0.04	3.57	5.01	14.05	97.19	<0.01	3.43	8.19	0.55	<0.02	10.53	2.26	17.78
3202541 Drill Core	0.88	0.01	0.66	0.13	0.02	0.92	<0.01	0.08	0.01	3.94	99.55	0.06	1.03	3.24	0.96	0.07	<0.08	2.65	1.77
3202542 Drill Core	0.90	<0.01	0.65	0.15	0.03	0.99	<0.01	0.11	0.06	4.05	99.11	0.06	0.91	3.47	0.84	0.06	<0.08	2.57	2.69
3202543 Drill Core	0.83	0.01	0.72	0.16	0.03	0.85	<0.01	0.12	0.17	5.27	99.47	0.10	1.80	4.12	1.65	0.14	<0.08	2.80	3.94
3202544 Drill Core	0.71	0.02	0.44	0.09	0.01	0.72	<0.01	0.42	1.49	11.03	98.69	0.06	2.24	13.67	2.17	0.07	<0.08	9.24	13.28
3202545 Drill Core	0.30	<0.01	0.14	0.07	<0.01	0.23	<0.01	0.83	0.03	6.54	99.11	0.07	2.78	5.94	2.56	0.22	<0.08	4.29	4.93
3202546 Drill Core	0.26	0.01	0.17	0.13	<0.01	0.26	<0.01	1.56	0.14	8.53	98.36	0.07	2.26	10.21	2.04	0.20	<0.08	7.61	7.78
3202547 Drill Core	0.17	0.01	0.08	0.11	<0.01	0.14	<0.01	0.42	0.57	11.65	99.42	0.06	1.91	16.13	1.81	0.09	<0.08	10.43	17.08
3202548 Drill Core	0.19	0.01	0.13	0.09	<0.01	0.18	<0.01	0.53	0.29	8.09	98.70	0.07	2.31	9.55	2.15	0.15	<0.08	6.94	7.81
3202549 Drill Core	0.24	0.01	0.15	0.15	<0.01	0.24	<0.01	0.61	0.36	12.93	99.32	0.04	1.49	18.36	1.44	0.05	<0.08	13.10	15.76
3202550 Drill Core	0.28	0.01	0.18	0.14	<0.01	0.26	<0.01	0.15	0.21	6.09	99.11	0.06	2.20	6.38	2.07	0.12	<0.08	4.79	4.77
3202551 Drill Core	0.21	0.01	0.14	0.05	<0.01	0.25	<0.01	0.11	1.30	14.53	99.06	0.03	0.79	22.24	0.76	0.02	<0.08	13.17	27.17
3202552 Drill Core	0.18	0.02	0.15	0.05	<0.01	0.21	0.01	0.72	7.92	16.33	98.28	0.02	0.44	26.68	0.43	<0.02	<0.08	16.90	29.30
3202553 Drill Core	0.34	<0.01	0.23	0.08	<0.01	0.37	<0.01	0.03	0.11	5.94	99.86	0.02	0.64	8.37	0.60	0.03	<0.08	6.42	5.86
3202554 Drill Core	0.47	<0.01	0.54	0.17	0.02	0.57	<0.01	0.04	0.85	8.95	98.73	0.03	0.58	12.90	0.55	<0.02	<0.08	11.36	4.61
3202555 Drill Core	0.60	0.01	0.62	0.23	0.03	0.70	<0.01	0.02	0.02	6.66	99.55	0.05	1.03	8.26	0.99	0.03	<0.08	6.84	4.25
3202556 Drill Core	0.42	0.02	0.42	0.12	0.02	0.45	<0.01	0.01	0.18	7.84	96.99	0.03	0.85	10.67	0.81	0.03	<0.08	8.85	5.44



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Fireweed Zinc Ltd.**
Suite 1020, 800 Pender Street
Vancouver British Columbia V5C 2V6 Canada

Project: MacMillan Pass

Report Date: January 17, 2021

Page: 3 of 3

Part: 1 of 3

CERTIFICATE OF ANALYSIS

WHI20000544.1

	Method Analyte Unit MDL	WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01	0.001
3202557	Drill Core	4.42	13.0	57.3	296.0	3111	5.2	82.1	8.7	72	9.17	182	7.2	<0.5	39	161.9	65.1	<0.5	27	<0.01	0.014
3202558	Drill Core	1.92	6.3	46.5	390.8	525	5.5	82.4	6.8	49	12.64	428	12.0	<0.5	37	53.2	77.8	<0.5	21	<0.01	0.011
3202559	Drill Core	5.16	5.3	213.0	300.3	137626	10.7	47.4	4.8	115	5.04	122	2.0	<0.5	16	828.3	92.0	<0.5	12	<0.01	0.006
3202560	Rock	0.98	<0.5	1.5	1.6	118	<0.5	0.8	0.6	137	0.09	<5	<0.5	<0.5	71	1.1	<0.5	<0.5	<10	30.64	0.009
3202561	Drill Core	1.69	4.1	42.5	241.9	6710	3.1	63.5	7.9	42	5.83	119	4.1	<0.5	42	56.3	43.8	<0.5	18	0.03	0.012
3202562	Drill Core	1.32	3.9	27.2	193.6	1000	1.8	58.5	7.8	47	4.42	82	5.0	<0.5	41	22.7	29.4	<0.5	20	<0.01	0.011
3202563	Drill Core	4.89	2.4	58.9	674.0	1488	7.8	46.7	5.7	23	21.61	284	1.4	<0.5	29	13.4	98.9	<0.5	18	0.03	0.019
3202564	Drill Core	3.28	4.1	45.2	322.8	14124	3.7	57.1	5.7	42	7.14	288	0.7	<0.5	25	77.1	61.4	<0.5	16	0.02	0.018
3202565	Drill Core	3.58	2.8	46.0	185.1	9721	3.0	92.8	10.3	43	5.08	214	1.2	<0.5	21	58.5	51.2	<0.5	16	0.03	0.021
3202566	Drill Core	3.75	3.3	48.8	587.1	3597	4.9	58.1	5.5	48	14.69	267	0.9	<0.5	17	33.7	85.2	<0.5	19	<0.01	0.009
3202567	Drill Core	3.56	6.8	30.7	199.5	4560	2.3	62.2	6.5	38	4.54	105	2.1	<0.5	22	25.3	38.4	<0.5	19	<0.01	0.009
3202568	Drill Core	4.85	5.8	155.7	234.0	123713	7.8	67.9	6.0	96	4.65	147	5.3	<0.5	46	623.3	81.8	<0.5	25	0.01	0.017
3202569	Drill Core	3.04	8.6	22.9	122.1	1354	1.2	56.5	6.8	21	1.97	101	6.5	<0.5	39	28.3	27.9	<0.5	26	<0.01	0.015
3202570	Drill Core	4.06	19.1	44.3	173.4	272	2.5	118.9	12.2	37	4.43	131	1.5	<0.5	56	1.2	50.4	<0.5	51	0.04	0.035
3202571	Drill Core	3.63	9.2	43.1	232.1	140	2.0	76.4	8.7	29	7.52	121	2.9	<0.5	31	9.1	41.9	<0.5	32	<0.01	0.014
3202572	Drill Core	4.04	12.4	63.0	346.4	36	2.3	87.8	10.9	27	7.99	126	18.6	<0.5	75	33.9	57.0	<0.5	53	0.01	0.027
3202573	Drill Core	3.61	12.7	41.5	197.2	32	1.4	89.6	8.9	31	3.78	64	13.3	<0.5	70	25.0	39.9	<0.5	47	0.01	0.022
3202574	Drill Core	3.42	20.9	58.2	240.5	558	2.7	145.6	10.9	74	8.16	96	6.7	<0.5	97	17.8	60.1	<0.5	69	0.01	0.026
3202575	Drill Core	3.28	8.8	61.1	367.7	31	2.8	126.1	15.4	94	13.59	132	11.9	<0.5	85	31.9	62.3	<0.5	43	0.02	0.027



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Fireweed Zinc Ltd.**
Suite 1020, 800 Pender Street
Vancouver British Columbia V5C 2V6 Canada

Project: MacMillan Pass
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Page: 3 of 3

Part: 2 of 3

CERTIFICATE OF ANALYSIS

WHI20000544.1

	Method Analyte Unit MDL	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
		0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01	0.01	0.01	0.01
3202557	Drill Core	0.5	22.0	<0.01	376	<0.001	0.18	<0.01	0.04	<0.5	5.18	2.5	3.4	10.08	<5	2	74.88	2.28	13.00	0.02	0.04
3202558	Drill Core	1.0	19.1	<0.01	294	<0.001	0.13	<0.01	0.03	<0.5	1.96	1.5	2.7	14.08	<5	<2	68.33	1.77	18.69	<0.01	0.03
3202559	Drill Core	<0.5	12.4	<0.01	212	0.001	0.10	<0.01	0.02	<0.5	159.84	0.8	1.5	12.01	19	6	64.72	1.59	7.12	0.02	0.05
3202560	Rock	1.5	1.2	0.75	15	0.003	0.03	<0.01	0.01	<0.5	0.24	1.7	<0.5	<0.05	<5	<2	12.77	0.17	0.21	46.32	3.86
3202561	Drill Core	0.7	20.6	<0.01	551	0.001	0.21	<0.01	0.06	<0.5	8.89	1.8	1.5	6.81	<5	<2	79.69	3.35	8.57	0.07	0.06
3202562	Drill Core	0.7	17.6	<0.01	509	0.001	0.22	<0.01	0.06	<0.5	1.64	1.7	1.3	4.65	<5	<2	84.36	3.68	6.70	0.03	0.07
3202563	Drill Core	<0.5	13.8	<0.01	178	<0.001	0.10	<0.01	0.03	<0.5	5.69	0.7	4.9	26.03	<5	3	47.26	1.73	32.94	0.06	0.05
3202564	Drill Core	<0.5	15.8	<0.01	297	<0.001	0.15	<0.01	0.05	<0.5	17.71	<0.5	4.3	8.62	<5	<2	77.97	2.55	10.45	0.04	0.07
3202565	Drill Core	<0.5	16.8	<0.01	308	0.001	0.14	<0.01	0.04	<0.5	13.25	0.6	1.3	6.27	<5	<2	80.62	3.42	7.55	0.06	0.06
3202566	Drill Core	<0.5	18.0	<0.01	254	<0.001	0.14	<0.01	0.04	<0.5	6.11	0.7	4.3	17.29	<5	3	62.81	2.01	22.02	0.03	0.05
3202567	Drill Core	<0.5	12.3	<0.01	281	<0.001	0.15	<0.01	0.05	<0.5	7.49	0.5	1.8	5.41	<5	<2	83.08	3.17	6.72	0.03	0.07
3202568	Drill Core	0.5	15.0	<0.01	365	0.001	0.22	<0.01	0.07	<0.5	176.37	1.2	2.2	10.65	11	4	66.01	3.54	6.57	0.04	0.07
3202569	Drill Core	0.7	13.5	<0.01	376	0.001	0.22	<0.01	0.06	<0.5	2.56	1.2	1.1	2.13	<5	3	87.80	4.72	2.92	0.03	0.08
3202570	Drill Core	0.8	17.2	<0.01	511	0.001	0.28	<0.01	0.11	<0.5	1.69	1.2	2.4	4.97	<5	4	79.49	5.87	6.57	0.07	0.11
3202571	Drill Core	<0.5	12.4	<0.01	387	<0.001	0.24	<0.01	0.08	<0.5	0.74	0.7	1.6	8.38	<5	4	74.65	4.28	10.89	0.03	0.08
3202572	Drill Core	1.5	20.1	<0.01	521	0.001	0.38	<0.01	0.14	<0.5	0.82	2.7	2.1	9.18	5	5	69.63	7.72	12.07	0.04	0.15
3202573	Drill Core	1.3	18.9	<0.01	463	<0.001	0.29	<0.01	0.10	<0.5	0.53	2.1	1.6	4.16	<5	5	80.78	6.08	5.64	0.03	0.12
3202574	Drill Core	1.2	23.8	<0.01	380	0.002	0.26	<0.01	0.09	<0.5	1.77	2.0	2.1	9.23	<5	5	71.08	4.79	12.11	0.04	0.11
3202575	Drill Core	1.3	24.3	<0.01	365	<0.001	0.29	<0.01	0.10	<0.5	1.27	2.0	1.8	15.83	<5	4	59.00	5.73	20.30	0.05	0.11



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Fireweed Zinc Ltd.**
Suite 1020, 800 Pender Street
Vancouver British Columbia V5C 2V6 Canada

Project: MacMillan Pass

Report Date: January 17, 2021

Page: 3 of 3

Part: 3 of 3

CERTIFICATE OF ANALYSIS

WHI20000544.1

	Method Analyte Unit MDL	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010
		K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	V2O5	TOT/C	TOT/S	C/ORG	C/GRA	CO2	S/S-
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.02
3202557	Drill Core	0.34	0.02	0.18	0.08	<0.01	0.31	<0.01	0.02	0.30	7.41	99.08	0.03	0.83	10.32	0.79	0.03	<0.08	7.15
3202558	Drill Core	0.27	<0.01	0.13	0.05	0.02	0.23	<0.01	0.03	0.06	9.70	99.42	0.02	0.40	14.64	0.37	0.02	<0.08	9.37
3202559	Drill Core	0.25	0.02	0.11	0.04	<0.01	0.19	0.01	0.05	14.24	7.21	99.21	0.01	0.41	12.63	0.39	<0.02	<0.08	6.28
3202560	Rock	<0.01	0.02	<0.01	0.02	<0.01	0.01	<0.01	<0.01	0.01	35.21	98.64	<0.01	10.40	<0.02	0.69	<0.02	35.63	<0.02
3202561	Drill Core	0.50	<0.01	0.17	0.08	<0.01	0.49	<0.01	0.02	0.65	5.22	99.13	0.03	0.52	6.76	0.47	0.04	<0.08	4.88
3202562	Drill Core	0.56	<0.01	0.20	0.09	<0.01	0.52	<0.01	0.03	0.10	4.15	100.62	0.03	0.45	4.85	0.40	0.04	<0.08	3.57
3202563	Drill Core	0.26	<0.01	0.13	0.06	<0.01	0.21	<0.01	0.08	0.15	17.09	100.11	0.02	0.36	26.03	0.33	<0.02	<0.08	18.48
3202564	Drill Core	0.41	<0.01	0.17	0.08	<0.01	0.31	<0.01	0.04	1.39	6.12	100.00	0.02	0.46	8.81	0.42	0.04	<0.08	6.44
3202565	Drill Core	0.52	0.01	0.55	0.08	<0.01	0.49	<0.01	0.03	0.96	4.81	99.49	0.03	0.52	6.50	0.43	0.08	<0.08	5.00
3202566	Drill Core	0.32	0.01	0.13	0.06	<0.01	0.23	<0.01	0.07	0.35	11.46	99.69	0.02	0.39	17.13	0.37	0.03	<0.08	9.83
3202567	Drill Core	0.53	0.01	0.16	0.06	<0.01	0.38	<0.01	0.02	0.45	4.52	99.40	0.03	0.71	5.53	0.61	0.09	<0.08	3.23
3202568	Drill Core	0.61	0.02	0.19	0.10	<0.01	0.39	<0.01	0.02	12.07	6.95	99.67	0.04	0.60	10.91	0.57	<0.02	<0.08	6.28
3202569	Drill Core	0.80	<0.01	0.27	0.10	<0.01	0.57	<0.01	0.02	0.14	2.82	100.41	0.05	0.76	2.21	0.68	0.06	<0.08	1.44
3202570	Drill Core	1.04	0.01	0.44	0.16	<0.01	0.58	<0.01	0.02	0.03	5.35	99.86	0.09	1.25	5.21	1.19	0.05	<0.08	3.68
3202571	Drill Core	0.76	<0.01	0.23	0.08	<0.01	0.43	<0.01	0.03	0.01	6.73	98.31	0.05	0.72	8.74	0.68	0.03	<0.08	6.02
3202572	Drill Core	1.41	<0.01	0.46	0.15	<0.01	0.67	<0.01	0.03	<0.01	7.68	100.16	0.07	0.67	9.68	0.64	0.03	<0.08	6.37
3202573	Drill Core	1.07	0.01	0.37	0.14	<0.01	0.61	<0.01	0.03	<0.01	4.61	99.61	0.07	1.06	4.32	0.98	0.06	<0.08	2.88
3202574	Drill Core	0.83	0.02	0.32	0.27	<0.01	0.43	<0.01	0.03	0.06	9.01	99.18	0.10	2.28	9.62	2.21	0.07	<0.08	6.60
3202575	Drill Core	1.03	0.01	0.42	0.19	<0.01	0.48	<0.01	0.04	<0.01	11.94	99.42	0.06	0.94	16.11	0.90	0.03	<0.08	11.36



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Fireweed Zinc Ltd.

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Project:

MacMillan Pass

Report Date:

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Page:

1 of 4

Part:

1 of 3

QUALITY CONTROL REPORT

WHI20000544.1

	Method Analyte Unit MDL	WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01	0.001
Pulp Duplicates																					
3202530	Drill Core	3.40	7.5	84.6	1151.5	68431	6.2	56.3	6.3	57	5.64	136	1.5	0.5	53	359.7	64.3	<0.5	24	0.03	0.021
REP 3202530	QC		7.9	74.2	1139.7	68017	6.2	56.9	5.7	55	5.64	132	1.5	<0.5	55	359.7	63.2	<0.5	25	0.03	0.024
3202536	Drill Core	2.85	5.7	91.7	5367.0	15871	16.0	55.4	5.5	61	22.75	326	2.1	<0.5	63	94.4	343.1	<0.5	20	0.13	0.064
REP 3202536	QC																				
3202541	Drill Core	2.75	12.9	36.7	849.1	114	2.3	117.1	17.3	44	2.79	75	6.2	<0.5	91	18.3	29.3	<0.5	44	0.04	0.032
REP 3202541	QC																				
REP 3202545	QC																				
3202550	Drill Core	2.70	29.7	33.1	1563.3	1983	4.1	107.7	6.7	50	5.16	181	3.3	<0.5	97	15.7	47.7	<0.5	51	0.04	0.035
REP 3202550	QC																				
3202554	Drill Core	4.25	5.2	52.1	384.5	8857	4.3	136.2	22.3	69	11.09	264	1.5	<0.5	74	50.2	75.8	<0.5	24	0.07	0.061
REP 3202554	QC																				
3202556	Drill Core	3.84	9.6	44.2	266.9	1805	4.3	213.6	21.0	113	9.48	244	2.6	<0.5	49	16.1	66.8	<0.5	27	0.02	0.027
REP 3202556	QC																				
3202565	Drill Core	3.58	2.8	46.0	185.1	9721	3.0	92.8	10.3	43	5.08	214	1.2	<0.5	21	58.5	51.2	<0.5	16	0.03	0.021
REP 3202565	QC		3.4	46.3	188.9	9717	3.1	95.0	11.0	44	5.17	215	1.1	<0.5	22	58.7	51.3	<0.5	16	0.03	0.024
3202566	Drill Core	3.75	3.3	48.8	587.1	3597	4.9	58.1	5.5	48	14.69	267	0.9	<0.5	17	33.7	85.2	<0.5	19	<0.01	0.009
REP 3202566	QC																				
3202571	Drill Core	3.63	9.2	43.1	232.1	140	2.0	76.4	8.7	29	7.52	121	2.9	<0.5	31	9.1	41.9	<0.5	32	<0.01	0.014
REP 3202571	QC																				
Core Reject Duplicates																					
3202545	Drill Core	2.40	34.5	42.0	8564.2	347	10.1	125.3	5.5	56	5.09	145	5.9	<0.5	40	12.2	60.2	<0.5	62	0.02	0.023
DUP 3202545	QC		33.1	40.9	8542.0	284	9.8	120.0	5.0	63	4.90	143	5.4	<0.5	39	10.7	57.6	<0.5	60	0.02	0.024
Reference Materials																					
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Fireweed Zinc Ltd.

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

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Report Date:

January 17, 2021

Page:

1 of 4

Part:

2 of 3

QUALITY CONTROL REPORT

WHI20000544.1

	Method Analyte Unit MDL	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
		0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01	0.01	0.01	0.01
Pulp Duplicates																					
3202530	Drill Core	1.1	16.9	<0.01	169	<0.001	0.19	<0.01	0.04	<0.5	101.05	1.9	2.2	9.23	<5	5	70.28	2.70	8.40	0.05	0.04
REP 3202530	QC	1.1	15.2	<0.01	214	<0.001	0.18	<0.01	0.04	<0.5	98.13	1.3	2.2	9.21	<5	7					
3202536	Drill Core	<0.5	18.9	<0.01	47	<0.001	0.12	<0.01	0.02	<0.5	31.17	1.1	6.2	25.84	<5	4	38.62	0.94	34.17	0.19	<0.01
REP 3202536	QC																38.53	0.94	34.29	0.20	<0.01
3202541	Drill Core	1.4	23.8	<0.01	866	0.002	0.35	<0.01	0.08	<0.5	1.10	3.3	1.8	2.89	<5	3	82.37	5.99	4.18	0.05	0.09
REP 3202541	QC																82.44	6.01	4.19	0.06	0.09
REP 3202545	QC																				
3202550	Drill Core	0.6	15.5	<0.01	364	0.002	0.14	<0.01	0.03	1.3	4.74	2.2	2.5	5.83	<5	3	81.72	1.88	7.95	0.07	0.03
REP 3202550	QC																				
3202554	Drill Core	0.6	36.4	<0.01	437	0.002	0.25	<0.01	0.05	<0.5	13.24	2.2	4.5	12.65	<5	2	67.49	3.45	15.69	0.11	0.04
REP 3202554	QC																				
3202556	Drill Core	0.7	25.8	<0.01	570	0.002	0.22	<0.01	0.05	<0.5	3.72	2.0	2.7	10.57	<5	<2	71.01	3.07	13.22	0.03	0.04
REP 3202556	QC																				
3202565	Drill Core	<0.5	16.8	<0.01	308	0.001	0.14	<0.01	0.04	<0.5	13.25	0.6	1.3	6.27	<5	<2	80.62	3.42	7.55	0.06	0.06
REP 3202565	QC	<0.5	18.7	<0.01	327	0.001	0.15	<0.01	0.04	<0.5	13.24	1.0	1.4	6.38	<5	2					
3202566	Drill Core	<0.5	18.0	<0.01	254	<0.001	0.14	<0.01	0.04	<0.5	6.11	0.7	4.3	17.29	<5	3	62.81	2.01	22.02	0.03	0.05
REP 3202566	QC																62.64	2.00	22.04	0.03	0.05
3202571	Drill Core	<0.5	12.4	<0.01	387	<0.001	0.24	<0.01	0.08	<0.5	0.74	0.7	1.6	8.38	<5	4	74.65	4.28	10.89	0.03	0.08
REP 3202571	QC																				
Core Reject Duplicates																					
3202545	Drill Core	1.0	16.3	<0.01	351	0.002	0.16	<0.01	0.03	3.0	2.10	1.8	2.1	5.58	<5	7	81.37	1.92	7.45	0.03	0.04
DUP 3202545	QC	0.9	17.2	<0.01	341	0.002	0.15	<0.01	0.03	2.8	1.75	1.2	2.0	5.53	<5	6	81.43	1.92	7.54	0.03	0.04
Reference Materials																					
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				



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PHONE (604) 253-3158

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		Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010	
		Analyte	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	V2O5	TOT/C	TOT/S	C/ORG	C/GRA	CO2	S/S-	SO4
		Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		MDL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.02	0.15
Pulp Duplicates																					
3202530	Drill Core		0.40	<0.01	0.15	0.06	<0.01	0.72	<0.01	0.11	7.02	7.14	98.99	0.02	1.06	10.40	1.03	0.03	<0.08	6.90	10.50
REP 3202530	QC																				
3202536	Drill Core		0.13	<0.01	0.08	0.17	<0.01	2.01	<0.01	0.54	1.55	18.76	97.91	0.01	0.91	29.35	0.87	0.04	<0.08	19.33	30.02
REP 3202536	QC		0.13	0.01	0.08	0.17	<0.01	2.01	<0.01	0.53	1.56	18.76	97.93	<0.01	0.91	29.37					
3202541	Drill Core		0.88	0.01	0.66	0.13	0.02	0.92	<0.01	0.08	0.01	3.94	99.55	0.06	1.03	3.24	0.96	0.07	<0.08	2.65	1.77
REP 3202541	QC		0.88	<0.01	0.66	0.12	0.03	0.94	<0.01	0.09	0.01	3.94	99.66	0.06							
REP 3202545	QC																				4.02
3202550	Drill Core		0.28	0.01	0.18	0.14	<0.01	0.26	<0.01	0.15	0.21	6.09	99.11	0.06	2.20	6.38	2.07	0.12	<0.08	4.79	4.77
REP 3202550	QC																				0.12
3202554	Drill Core		0.47	<0.01	0.54	0.17	0.02	0.57	<0.01	0.04	0.85	8.95	98.73	0.03	0.58	12.90	0.55	<0.02	<0.08	11.36	4.61
REP 3202554	QC																				<0.08
3202556	Drill Core		0.42	0.02	0.42	0.12	0.02	0.45	<0.01	0.01	0.18	7.84	96.99	0.03	0.85	10.67	0.81	0.03	<0.08	8.85	5.44
REP 3202556	QC																				8.36
3202565	Drill Core		0.52	0.01	0.55	0.08	<0.01	0.49	<0.01	0.03	0.96	4.81	99.49	0.03	0.52	6.50	0.43	0.08	<0.08	5.00	4.52
REP 3202565	QC																				
3202566	Drill Core		0.32	0.01	0.13	0.06	<0.01	0.23	<0.01	0.07	0.35	11.46	99.69	0.02	0.39	17.13	0.37	0.03	<0.08	9.83	21.88
REP 3202566	QC		0.32	<0.01	0.11	0.04	<0.01	0.22	<0.01	0.06	0.35	11.46	99.47	0.02							
3202571	Drill Core		0.76	<0.01	0.23	0.08	<0.01	0.43	<0.01	0.03	0.01	6.73	98.31	0.05	0.72	8.74	0.68	0.03	<0.08	6.02	8.16
REP 3202571	QC														0.71	8.71					
Core Reject Duplicates																					
3202545	Drill Core		0.30	<0.01	0.14	0.07	<0.01	0.23	<0.01	0.83	0.03	6.54	99.11	0.07	2.78	5.94	2.56	0.22	<0.08	4.29	4.93
DUP 3202545	QC		0.30	0.01	0.14	0.08	<0.01	0.24	<0.01	0.84	0.03	6.50	99.25	0.07	2.92	5.83	2.61	0.30	<0.08	3.95	5.63
Reference Materials																					
STD COO2	Standard																				3.58
STD COO2	Standard																				3.60
STD COO2	Standard																				3.57
STD COO2	Standard																				3.60
STD COO2	Standard																				3.47



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Fireweed Zinc Ltd.

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

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Report Date:

January 17, 2021

Page:

2 of 4

Part:

1 of 3

QUALITY CONTROL REPORT

WHI20000544.1

		WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01	0.001
STD COO2	Standard																				
STD GGC-09	Standard																				
STD GGC-09	Standard																				
STD GGC-09	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS314-1	Standard																				
STD GS314-1	Standard																				
STD GS314-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS135	Standard		7.8	283.1	16677.8	26799	54.3	33.9	32.6	3904	8.92	901	9.5	10.7	25	68.6	37.5	5.0	32	1.82	0.089
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS605	Standard		4.5	48826.7	852.1	2055	967.2	1528.7	95.6	71	3.52	1615	0.9	2.4	51	14.0	265.2	18.0	<10	0.17	0.012
STD OREAS605	Standard		4.8	48305.3	854.6	2094	968.0	1544.0	96.0	88	3.56	1663	0.9	2.6	47	15.1	278.4	18.5	<10	0.16	0.010
STD OREAS605	Standard		4.4	47447.8	853.2	2140	969.5	1525.8	99.0	75	3.60	1715	0.8	2.3	50	12.8	275.4	18.9	<10	0.18	0.010
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS927-AR	Standard		0.8	10723.8	211.8	691	4.3	27.4	28.0	1026	8.02	14	1.6	11.6	13	1.1	1.2	61.7	32	0.29	0.056
STD OREAS927-AR	Standard		0.9	10704.6	207.0	716	4.0	29.0	30.5	1073	8.10	11	1.5	12.6	12	0.9	1.1	60.9	35	0.30	0.049
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				



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PHONE (604) 253-3158

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Page:

2 of 4

Part:

2 of 3

QUALITY CONTROL REPORT

WHI20000544.1

		AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725	
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
		0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01	0.01	0.01	0.01
STD COO2	Standard																				
STD GGC-09	Standard																				
STD GGC-09	Standard																				
STD GGC-09	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS314-1	Standard																				
STD GS314-1	Standard																				
STD GS314-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS135	Standard	35.9	20.3	0.82	434	0.027	1.12	0.02	0.47	3.0	1.37	3.9	6.2	7.01	<5	<2					
STD OREAS133B(D)	Standard																33.58	6.84	11.58	5.30	3.81
STD OREAS133B(D)	Standard																33.79	6.81	11.56	5.30	3.77
STD OREAS605	Standard	8.1	27.7	0.03	188	0.011	0.75	0.03	0.12	6.6	1.85	1.4	15.6	7.63	7	73					
STD OREAS605	Standard	8.0	28.7	0.03	244	0.011	0.72	0.03	0.15	7.0	1.57	2.4	15.5	7.51	6	76					
STD OREAS605	Standard	6.5	29.0	0.03	257	0.011	0.74	0.03	0.14	7.1	1.61	0.9	15.9	7.70	6	69					
STD OREAS72B	Standard																51.02	8.97	9.89	3.97	16.10
STD OREAS72B	Standard																51.15	8.95	9.90	3.97	16.02
STD OREAS927-AR	Standard	27.0	41.0	1.88	44	0.081	3.19	<0.01	0.25	4.8	0.08	5.6	<0.5	1.60	8	16					
STD OREAS927-AR	Standard	24.7	42.2	1.90	43	0.087	3.22	<0.01	0.26	5.4	0.14	4.3	<0.5	1.82	8	15					
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				



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PHONE (604) 253-3158

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January 17, 2021

Page:

2 of 4

Part:

3 of 3

QUALITY CONTROL REPORT

WHI20000544.1

		LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010	
		K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	V2O5	TOT/C	TOT/S	C/ORG	C/GRA	CO2	S/S-	SO4
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.02	0.15
STD COO2	Standard	3.45																		
STD GGC-09	Standard	2.06																		
STD GGC-09	Standard	2.23																		
STD GGC-09	Standard	2.62																		
STD GGC-10	Standard	4.60																		
STD GGC-10	Standard	4.69																		
STD GGC-10	Standard	4.50																		
STD GS311-1	Standard													0.99	2.41					
STD GS311-1	Standard													1.01	2.31					
STD GS311-1	Standard													0.95	2.43					
STD GS314-1	Standard													1.36	29.38					
STD GS314-1	Standard													1.40	28.53					
STD GS314-1	Standard													1.28	28.54					
STD GS910-4	Standard													2.75	8.37					
STD GS910-4	Standard													2.74	8.21					
STD GS910-4	Standard													2.65	8.49					
STD OREAS135	Standard																			
STD OREAS133B(D)	Standard	3.47	0.16	0.21	0.10	<0.01	0.08	0.03	5.06	11.38	13.03	98.00	<0.01							
STD OREAS133B(D)	Standard	3.46	0.16	0.21	0.10	<0.01	0.08	0.03	5.06	11.35	13.03	98.06	<0.01							
STD OREAS605	Standard																			
STD OREAS605	Standard																			
STD OREAS605	Standard																			
STD OREAS72B	Standard	1.32	0.14	0.34	0.06	0.14	0.03	0.02	<0.01	<0.01	5.15	98.47	0.01							
STD OREAS72B	Standard	1.31	0.13	0.34	0.06	0.14	0.03	0.02	<0.01	<0.01	5.01	98.33	0.01							
STD OREAS927-AR	Standard																			
STD OREAS927-AR	Standard																			
STD RTS-3A	Standard	6.69																		
STD RTS-3A	Standard	6.99																		
STD RTS-3A	Standard	6.84																		



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Fireweed Zinc Ltd.

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Project:

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Report Date:

January 17, 2021

Page:

3 of 4

Part:

1 of 3

QUALITY CONTROL REPORT

WHI20000544.1

		WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01	0.001
STD SY-4(D)	Standard																				
STD SY-4(D)	Standard																				
STD OREAS135 Expected		8.25	294	17000	28000	55.2	36	29.6	3960	8.97	937	9.4	10.4	26.5	67	38	5.1	33.4	1.83	0.086	
STD OREAS605 Expected		4.75	49800	856	2170	984	1568	96	83.44	3.6707	1674	0.9		49	13.6	290	19	7.8	0.182	0.0105	
STD OREAS927-AR Expected		1.06	10715	203	726	4.9	30.9	29.4	1110	8.15	13.5	1.7	12.5	13.1	1.1	1.3	66	34	0.3	0.054	
STD SY-4(D) Expected																					
STD OREAS72B Expected																					
STD OREAS133B(D) Expected																					
STD GGC-10 Expected																					
STD GGC-09 Expected																					
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD GS314-1 Expected																					
STD COO2 Expected																					
STD RTS-3A Expected																					
BLK	Blank	<0.5	<0.5	1.1	8	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01	0.002	
BLK	Blank	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01	0.003	
BLK	Blank	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01	<0.001	
SI BLK	Blank																				
SI BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
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BLK	Blank																				



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Page:

3 of 4

Part:

2 of 3

QUALITY CONTROL REPORT

WHI20000544.1

		AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
		0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01	0.01	0.01	0.01
STD SY-4(D)	Standard																50.10	20.88	6.21	8.02	0.54
STD SY-4(D)	Standard																50.01	20.80	6.22	7.97	0.54
STD OREAS135 Expected		39.8	22	0.833	366	0.026	1.09	0.017	0.487	2.93	1.21	3.51	6.27	7.08	4.8						
STD OREAS605 Expected		7.5	28.8	0.0289	222	0.0103	0.73	0.0328	0.134	7.1	1.7	1.3	15.5	7.86	6.7	77					
STD OREAS927-AR Expected		26.9	41.7	1.94	51.4	0.085	3.25	0.011	0.27	4.9	0.12	4.74		1.77	9.09	15.5					
STD SY-4(D) Expected																	49.9	20.69	6.21	8.05	0.54
STD OREAS72B Expected																	51.17	8.97	9.724	3.96	15.933
STD OREAS133B(D) Expected																	33.83	6.91	11.67	5.4	3.73
STD GGC-10 Expected																					
STD GGC-09 Expected																					
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD GS314-1 Expected																					
STD COO2 Expected																					
STD RTS-3A Expected																					
BLK	Blank	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	0.18	0.5	<0.5	<0.05	<5	<2					
BLK	Blank	<0.5	0.6	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	0.7	<0.5	<0.05	<5	<2					
BLK	Blank	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2					
SI BLK	Blank																99.05	0.31	0.02	<0.01	<0.01
SI BLK	Blank																98.94	0.32	0.01	0.02	0.02
BLK	Blank																				
BLK	Blank																				
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Report Date:

January 17, 2021

Page:

3 of 4

Part:

3 of 3

QUALITY CONTROL REPORT

WHI20000544.1

		LF725 K2O %	LF725 MnO %	LF725 TiO2 %	LF725 P2O5 %	LF725 Cr2O3 %	LF725 Ba %	LF725 Cu %	LF725 Pb %	LF725 Zn %	LF725 LOI %	LF725 SUM_T %	LF725 V2O5 %	TC000 TOT/C %	TC000 TOT/S %	TC005 C/ORG %	TC005 C/GRA %	TC006 CO2 %	TC010 S/S- %	TC010 SO4 %
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.02	0.15
STD SY-4(D)	Standard	1.66	0.11	0.30	0.14	<0.01	0.03	<0.01	0.01	0.01	4.56	99.70	<0.01							
STD SY-4(D)	Standard	1.66	0.11	0.30	0.14	<0.01	0.04	<0.01	0.02	0.01	4.56	99.44	<0.01							
STD OREAS135 Expected																				
STD OREAS605 Expected																				
STD OREAS927-AR Expected																				
STD SY-4(D) Expected		1.66	0.108	0.287	0.131		0.0345				4.56									
STD OREAS72B Expected		1.313	0.13	0.355	0.061	0.142	0.0335	0.0193			5.12									
STD OREAS133B(D) Expected							0.08	0.032	5.06	11.35										
STD GGC-10 Expected																		4.79		
STD GGC-09 Expected																		2.41		
STD GS311-1 Expected														1.02	2.35					
STD GS910-4 Expected														2.65	8.27					
STD GS314-1 Expected														1.41	29.11					
STD COO2 Expected																		3.43		
STD RTS-3A Expected																			7	
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
SI BLK	Blank	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	99.40	<0.01							
SI BLK	Blank	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	99.29	<0.01							
BLK	Blank																	<0.02		
BLK	Blank																		<0.02	
BLK	Blank																	<0.02		
BLK	Blank																	<0.02		
BLK	Blank													<0.02	<0.02					
BLK	Blank													<0.02	<0.02					
BLK	Blank																		0.07	
BLK	Blank													<0.02	<0.02					
BLK	Blank																		<0.08	



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Project:

MacMillan Pass

Report Date:

January 17, 2021

Page:

4 of 4

Part:

1 of 3

QUALITY CONTROL REPORT

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		WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
Prep Wash																				
ROCK-WHI	Prep Blank	0.6	5.2	1.1	30	<0.5	5.4	3.4	402	1.70	<5	<0.5	2.4	24	<0.5	<0.5	<0.5	21	0.63	0.036
ROCK-WHI	Prep Blank	<0.5	3.3	1.1	37	<0.5	<0.5	3.3	390	1.70	<5	<0.5	2.3	24	<0.5	<0.5	<0.5	22	0.56	0.040



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Project:

MacMillan Pass

Report Date:

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Page:

4 of 4

Part:

2 of 3

QUALITY CONTROL REPORT

WHI20000544.1

		AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
		0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01	0.01	0.01	0.01
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank	6.4	4.9	0.41	58	0.092	0.90	0.10	0.09	<0.5	<0.05	3.9	<0.5	<0.05	<5	<2	71.08	13.97	3.02	2.40	0.78
ROCK-WHI	Prep Blank	6.8	4.4	0.43	59	0.092	0.84	0.10	0.09	<0.5	<0.05	4.5	<0.5	<0.05	<5	<2	71.38	13.98	2.97	2.32	0.81



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Page:

4 of 4

Part:

3 of 3

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		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.02	0.15
BLK	Blank																			<0.02
BLK	Blank																			<0.08
BLK	Blank																			<0.08
BLK	Blank																			<0.02
Prep Wash																				
ROCK-WHI	Prep Blank	1.88	0.08	0.33	0.09	<0.01	0.08	<0.01	<0.01	<0.01	0.90	99.17	<0.01	0.07	<0.02	<0.02	<0.02	0.23	<0.02	<0.15
ROCK-WHI	Prep Blank	1.97	0.08	0.32	0.09	<0.01	0.07	<0.01	<0.01	<0.01	0.94	99.44	<0.01	0.06	<0.02	<0.02	<0.02	0.22	<0.02	<0.15