



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-serv

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: Kreft, Bernie
1 Locust Place
Whitehorse Yukon Y1A 5G9 Canada

Submitted By: Bernie Kreft
Receiving Lab: Canada-Whitehorse
Received: August 26, 2021
Analysis Start: October 08, 2021
Report Date: November 13, 2021
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI21000437.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 29

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
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: Kreft, Bernie
1 Locust Place
Whitehorse Yukon Y1A 5G9
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	29	Dry at 60C			WHI
SS80	29	Dry at 60C sieve 100g to -80 mesh			WHI
FA430	29	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	29	Environmental disposal charge-Fire assay lead waste			VAN
AQ300	29	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
DISPL	29	Disposal of pulps			VAN
SHP01	29	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS



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 2

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI21000437.1

Method	Analyte	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
MDL		0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1
MSUD-01	Soil	0.026	4	25	13	52	0.8	15	9	616	2.69	101	<2	24	<0.5	4	<3	48	0.12	0.106	9
MSUD-02	Soil	0.057	4	26	21	41	1.5	14	5	242	2.22	74	<2	16	<0.5	4	<3	39	0.09	0.072	9
MSUD-03	Soil	0.016	6	33	16	124	0.7	29	13	713	3.78	111	<2	21	<0.5	4	<3	69	0.16	0.102	7
MSUD-04	Soil	0.027	3	29	13	77	0.8	22	7	194	2.43	29	3	20	<0.5	3	<3	49	0.24	0.087	15
MSUD-05	Soil	0.009	1	36	11	102	0.4	72	13	621	3.20	130	<2	13	0.5	<3	<3	56	0.12	0.068	11
MSUD-06	Soil	0.006	2	42	18	155	0.5	123	17	668	3.96	106	<2	18	<0.5	<3	<3	57	0.22	0.082	13
MSUD-07	Soil	0.011	2	55	14	162	0.7	304	28	818	4.03	230	<2	20	0.9	<3	<3	49	0.23	0.083	12
MSUD-08	Soil	0.014	5	39	17	66	1.0	19	7	289	3.13	92	<2	15	<0.5	<3	<3	46	0.09	0.098	15
MSUD-09	Soil	0.009	4	56	16	131	1.0	81	14	640	3.91	217	2	16	0.8	<3	<3	55	0.21	0.095	18
MSUD-10	Soil	0.017	3	45	13	97	0.3	54	19	1210	3.70	180	<2	15	<0.5	<3	<3	65	0.08	0.075	9
LSXD-01	Soil	0.023	2	19	8	37	<0.3	12	4	199	2.68	94	<2	18	<0.5	3	<3	44	0.12	0.056	13
LSXD-02	Soil	0.008	2	32	11	65	<0.3	28	11	680	2.73	46	<2	13	<0.5	<3	<3	51	0.11	0.061	11
LSXD-03	Soil	0.011	1	37	5	82	0.5	33	14	494	3.28	149	2	17	<0.5	<3	<3	83	0.11	0.049	9
UKSD-01	Soil	0.014	<1	19	33	67	0.3	20	11	427	2.37	8	3	23	<0.5	<3	<3	53	0.33	0.069	12
UKSD-02	Soil	0.013	<1	28	20	78	0.3	21	11	493	2.44	7	2	27	<0.5	<3	<3	52	0.39	0.079	11
UKSD-03	Soil	0.010	<1	26	20	76	<0.3	22	10	583	2.46	8	2	28	<0.5	<3	<3	54	0.39	0.079	13
UXMD-01	Soil	0.015	3	16	14	50	0.4	13	5	212	2.44	24	<2	12	<0.5	<3	<3	46	0.08	0.052	9
UXMD-02	Soil	0.133	7	35	34	64	2.7	18	8	325	5.48	346	<2	20	<0.5	20	<3	85	0.10	0.171	18
UXMD-03	Soil	0.030	2	34	16	40	1.0	8	4	254	2.29	87	<2	13	<0.5	4	<3	41	0.11	0.078	9
UXMD-04	Soil	0.077	3	18	26	27	1.3	8	3	154	2.06	65	3	10	<0.5	6	<3	30	0.07	0.045	10
UXMD-05	Soil	0.016	4	28	23	38	1.9	10	3	100	2.69	42	4	13	<0.5	<3	<3	35	0.05	0.069	14
UXMD-06	Soil	0.031	3	17	72	51	1.2	12	5	182	2.86	59	2	31	<0.5	7	<3	42	0.09	0.092	25
UXMD-07	Soil	0.043	4	33	34	36	2.0	9	4	219	3.15	83	3	25	<0.5	5	<3	41	0.07	0.094	19
UXMD-08	Soil	0.029	6	15	40	51	1.8	10	3	126	2.87	93	<2	41	<0.5	5	<3	36	0.04	0.086	19
UXMD-09	Soil	0.028	4	24	32	44	1.4	12	5	244	2.63	39	<2	13	<0.5	3	<3	38	0.09	0.067	14
UXMD-10	Soil	0.033	2	20	12	49	0.7	15	6	221	2.68	50	<2	10	<0.5	4	<3	54	0.09	0.056	11
UXMD-11	Soil	<0.005	2	11	14	93	<0.3	11	9	1136	3.26	7	<2	7	<0.5	<3	<3	61	0.06	0.076	11
UXMD-12	Soil	<0.005	1	20	14	71	<0.3	26	12	722	3.26	10	2	14	<0.5	<3	<3	60	0.13	0.063	11
UXMD-13	Soil	0.008	2	38	12	111	<0.3	33	14	836	3.26	104	3	23	<0.5	<3	<3	44	0.12	0.063	16



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Client: **Kreft, Bernie**
1 Locust Place
Whitehorse Yukon Y1A 5G9 Canada

Project: None Given
Report Date: November 13, 2021

Page: 2 of 2

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI21000437.1

Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
MSUD-01	Soil	21	0.27	219	0.035	<20	1.35	0.02	0.07	<2	0.11	<1	<5	<5	<5
MSUD-02	Soil	20	0.22	204	0.028	<20	1.31	0.02	0.07	<2	0.09	<1	<5	<5	<5
MSUD-03	Soil	42	0.55	131	0.019	<20	1.24	<0.01	0.08	<2	0.11	<1	<5	<5	<5
MSUD-04	Soil	27	0.39	177	0.052	<20	1.20	0.01	0.06	<2	<0.05	<1	<5	<5	<5
MSUD-05	Soil	39	0.27	110	0.034	<20	1.22	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
MSUD-06	Soil	50	0.31	160	0.026	<20	1.23	0.01	0.06	<2	<0.05	<1	<5	<5	5
MSUD-07	Soil	87	0.34	114	0.024	<20	0.99	<0.01	0.05	<2	<0.05	<1	<5	<5	5
MSUD-08	Soil	25	0.20	111	0.027	<20	0.90	<0.01	0.07	<2	0.07	<1	<5	<5	<5
MSUD-09	Soil	59	0.33	192	0.023	<20	1.05	<0.01	0.08	<2	<0.05	<1	<5	<5	6
MSUD-10	Soil	39	0.26	129	0.029	<20	1.35	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
LSXD-01	Soil	28	0.23	96	0.049	<20	1.22	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
LSXD-02	Soil	30	0.29	86	0.049	<20	1.41	0.02	0.06	<2	<0.05	<1	<5	<5	<5
LSXD-03	Soil	40	0.66	141	0.015	<20	1.25	<0.01	0.09	<2	<0.05	<1	<5	<5	17
UKSD-01	Soil	35	0.65	132	0.065	<20	1.35	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
UKSD-02	Soil	38	0.72	174	0.058	<20	1.40	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
UKSD-03	Soil	36	0.70	240	0.052	<20	1.51	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
UXMD-01	Soil	21	0.25	99	0.042	<20	1.29	0.01	0.08	<2	0.12	<1	<5	<5	<5
UXMD-02	Soil	32	0.29	448	0.040	<20	1.46	<0.01	0.11	<2	0.17	<1	<5	6	<5
UXMD-03	Soil	13	0.16	104	0.040	<20	0.94	0.02	0.06	<2	0.08	<1	<5	<5	<5
UXMD-04	Soil	12	0.15	172	0.027	<20	0.59	<0.01	0.07	<2	0.07	<1	<5	<5	<5
UXMD-05	Soil	15	0.07	199	0.014	<20	0.53	0.01	0.09	<2	0.16	<1	<5	<5	<5
UXMD-06	Soil	23	0.19	315	0.031	<20	0.92	<0.01	0.08	<2	0.09	<1	<5	<5	<5
UXMD-07	Soil	21	0.15	256	0.029	<20	0.79	<0.01	0.10	<2	0.16	<1	<5	<5	<5
UXMD-08	Soil	18	0.09	296	0.014	<20	0.63	<0.01	0.18	<2	0.35	<1	<5	<5	<5
UXMD-09	Soil	17	0.20	222	0.032	<20	0.93	<0.01	0.09	<2	0.13	<1	<5	<5	<5
UXMD-10	Soil	23	0.26	92	0.051	<20	1.39	<0.01	0.06	<2	0.08	<1	<5	<5	<5
UXMD-11	Soil	20	0.09	129	0.010	<20	0.82	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
UXMD-12	Soil	31	0.43	211	0.040	<20	2.31	<0.01	0.08	<2	<0.05	<1	<5	<5	<5
UXMD-13	Soil	26	0.31	118	0.033	<20	1.69	<0.01	0.07	<2	<0.05	<1	<5	<5	<5



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Page: 1 of 1 Part: 1 of 2

QUALITY CONTROL REPORT

WHI21000437.1

Method	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	
Pulp Duplicates																					
MSUD-05	Soil	0.009	1	36	11	102	0.4	72	13	621	3.20	130	<2	13	0.5	<3	<3	56	0.12	0.068	11
REP MSUD-05	QC	0.009																			
UXMD-03	Soil	0.030	2	34	16	40	1.0	8	4	254	2.29	87	<2	13	<0.5	4	<3	41	0.11	0.078	9
REP UXMD-03	QC		2	36	18	43	1.0	9	5	266	2.41	90	<2	14	<0.5	5	<3	44	0.12	0.081	11
UXMD-07	Soil	0.043	4	33	34	36	2.0	9	4	219	3.15	83	3	25	<0.5	5	<3	41	0.07	0.094	19
REP UXMD-07	QC	0.041																			
Reference Materials																					
STD DS11	Standard		15	156	140	364	1.9	83	15	1071	3.17	46	8	70	2.5	7	11	53	1.09	0.072	19
STD OREAS262	Standard		<1	121	56	153	0.6	67	28	557	3.26	37	8	35	0.7	<3	<3	22	2.91	0.040	16
STD OREAS263	Standard	0.207																			
STD OREAS263	Standard	0.211																			
STD OREAS232	Standard	0.908																			
STD OXN155	Standard	7.529																			
STD OXN155	Standard	7.613																			
STD DS11 Expected			13.9	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	7.65	67.3	2.37	7.2	12.2	50	1.063	0.0701	18.6
STD OREAS262 Expected				118	56	154	0.45	62	26.9	530	3.284	35.8	9.33	36	0.61	3.39		22.5	2.98	0.04	15.9
STD OXN155 Expected		7.776																			
STD OREAS263 Expected		0.214																			
STD OREAS232 Expected		0.902																			
BLK	Blank		<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			



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Page: 1 of 1

Part: 2 of 2

QUALITY CONTROL REPORT

WHI21000437.1

Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
Pulp Duplicates															
MSUD-05	Soil	39	0.27	110	0.034	<20	1.22	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
REP MSUD-05	QC														
UXMD-03	Soil	13	0.16	104	0.040	<20	0.94	0.02	0.06	<2	0.08	<1	<5	<5	<5
REP UXMD-03	QC	14	0.18	113	0.045	<20	1.00	0.02	0.07	<2	0.08	<1	<5	<5	<5
UXMD-07	Soil	21	0.15	256	0.029	<20	0.79	<0.01	0.10	<2	0.16	<1	<5	<5	<5
REP UXMD-07	QC														
Reference Materials															
STD DS11	Standard	60	0.88	446	0.096	<20	1.23	0.08	0.41	<2	0.30	<1	6	6	<5
STD OREAS262	Standard	46	1.21	247	0.003	<20	1.27	0.07	0.31	<2	0.27	<1	<5	5	<5
STD OREAS263	Standard														
STD OREAS263	Standard														
STD OREAS232	Standard														
STD OXN155	Standard														
STD OXN155	Standard														
STD DS11 Expected		61.5	0.85	417	0.0976	6	1.129	0.0694	0.4	2.9	0.2835	0.3	4.9	4.7	3.1
STD OREAS262 Expected		41.7	1.17	248	0.003		1.3	0.071	0.312		0.269			3.9	3.24
STD OXN155 Expected															
STD OREAS263 Expected															
STD OREAS232 Expected															
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														