



**BUREAU  
VERITAS**

**MINERAL LABORATORIES**  
Canada

[www.bureauveritas.com/um](http://www.bureauveritas.com/um)

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: September 20, 2019

Report Date: September 30, 2019

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## CERTIFICATE OF ANALYSIS

WHI19000579.1

### CLIENT JOB INFORMATION

Project: None Given

Shipment ID:

P.O. Number

Number of Samples: 67

### 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	67	Dry at 60C			WHI
SS80	67	Dry at 60C sieve 100g to -80 mesh			WHI
FA430	67	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	67	Environmental disposal charge-Fire assay lead waste			VAN
AQ300	67	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
DISPL	67	Disposal of pulps			VAN
SHP01	67	Per sample shipping charges for branch shipments			VAN

### ADDITIONAL COMMENTS

  
MAY LAI  
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.



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**Project:** None Given  
**Report Date:** September 30, 2019

**Page:** 2 of 4 **Part:** 1 of 2

# CERTIFICATE OF ANALYSIS

WHI19000579.1

Method Analyte Unit MDL		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
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.005	1	1	3	1	0.3	1	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001
BGRD19-01	Soil	0.077	<1	40	4	74	<0.3	10	13	903	4.44	5	<2	9	<0.5	<3	<3	50	0.27	0.073	10
BGRD19-02	Soil	0.063	<1	34	4	91	<0.3	11	17	1260	4.89	8	3	10	<0.5	<3	<3	58	0.30	0.089	11
BGRD19-03	Soil	0.012	<1	36	8	84	<0.3	12	31	2245	5.97	13	<2	9	<0.5	<3	<3	103	0.30	0.061	5
BGRD19-04	Soil	0.059	<1	65	<3	77	<0.3	17	12	974	4.48	6	<2	7	<0.5	<3	<3	40	0.24	0.076	8
BGRD19-05	Soil	0.015	2	61	4	71	<0.3	9	18	1363	3.85	6	3	9	<0.5	<3	<3	46	0.32	0.067	11
BGRD19-06	Soil	0.050	<1	39	5	78	<0.3	11	13	942	4.61	5	<2	9	<0.5	<3	<3	55	0.27	0.069	10
RGRS-01	Soil	0.022	<1	25	4	67	<0.3	11	8	558	3.34	5	<2	11	<0.5	<3	<3	44	0.27	0.068	9
RGRS-02	Soil	0.016	<1	26	5	73	<0.3	11	11	578	3.68	5	<2	11	<0.5	<3	<3	60	0.29	0.060	7
RGRS-03	Soil	0.017	<1	32	6	78	<0.3	20	15	1024	4.26	6	<2	11	<0.5	<3	<3	82	0.24	0.054	8
RGRS-04	Soil	0.029	<1	43	6	81	<0.3	27	15	1191	4.37	6	<2	11	<0.5	<3	<3	61	0.33	0.077	9
RGRS-05	Soil	0.032	<1	64	5	80	<0.3	19	16	1191	4.54	6	2	13	<0.5	<3	<3	75	0.38	0.073	10
RGRS-06	Soil	0.018	<1	45	4	71	<0.3	24	14	1176	4.49	6	2	14	<0.5	<3	<3	70	0.27	0.055	10
RGRS-07	Soil	0.015	<1	54	5	76	<0.3	26	14	873	4.34	6	2	16	<0.5	<3	<3	63	0.35	0.067	9
RGRS-08	Soil	0.042	<1	59	<3	74	0.3	30	24	1190	3.89	6	2	14	<0.5	<3	<3	56	0.31	0.047	8
RGRS-09	Soil	0.080	<1	62	5	63	<0.3	21	15	819	4.46	11	3	12	<0.5	<3	<3	57	0.20	0.044	10
RGRS-10	Soil	0.035	<1	32	4	55	<0.3	20	13	727	4.36	8	2	15	<0.5	<3	<3	55	0.29	0.059	10
RGRS-11	Soil	0.075	<1	24	3	41	<0.3	13	13	841	4.71	8	<2	10	<0.5	<3	<3	51	0.24	0.063	12
RGRS-12	Soil	0.023	<1	22	<3	40	<0.3	9	14	768	4.53	3	3	9	<0.5	<3	<3	48	0.24	0.070	13
RGRS-13	Soil	0.085	<1	16	<3	43	<0.3	10	18	1043	5.51	13	3	11	<0.5	<3	<3	60	0.30	0.062	12
RGRS-14	Soil	0.024	<1	10	4	61	<0.3	25	17	1374	6.25	5	2	9	<0.5	<3	<3	66	0.34	0.060	14
RGRS-15	Soil	0.168	<1	12	<3	27	<0.3	10	11	657	4.04	23	3	9	<0.5	<3	<3	35	0.25	0.076	14
RGRS-16	Soil	0.013	<1	13	5	37	<0.3	12	8	476	3.11	6	6	11	<0.5	<3	<3	42	0.22	0.054	22
RGRS-17	Soil	0.054	<1	19	4	40	<0.3	11	10	470	3.93	6	4	11	<0.5	<3	<3	52	0.23	0.057	15
RGRS-18	Soil	0.035	<1	17	4	37	<0.3	10	9	360	3.47	5	4	11	<0.5	<3	<3	45	0.24	0.054	14
RGRS-19	Soil	0.014	<1	26	5	38	<0.3	12	8	304	3.07	6	4	12	<0.5	<3	<3	43	0.21	0.041	15
RGRS-20	Soil	0.016	<1	18	6	42	<0.3	13	10	434	3.34	6	3	15	<0.5	<3	<3	49	0.39	0.043	11
RGRS-21	Soil	0.016	<1	22	4	42	<0.3	11	9	324	3.44	5	3	14	<0.5	<3	<3	50	0.32	0.061	12
RGRS-22	Soil	0.014	<1	31	5	57	<0.3	17	14	569	3.66	6	3	17	<0.5	<3	<3	68	0.36	0.072	12
RGRS-23	Soil	0.011	<1	38	5	68	<0.3	21	12	525	3.61	6	3	17	<0.5	<3	<3	67	0.35	0.056	11
RGRS-24	Soil	0.014	<1	24	6	48	<0.3	17	8	321	2.77	7	4	20	<0.5	<3	<3	47	0.35	0.056	13



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# CERTIFICATE OF ANALYSIS

WHI19000579.1

	Method Analyte Unit MDL	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
		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
BGRD19-01	Soil	9	1.24	164	0.012	<20	2.01	<0.01	0.02	<2	<0.05	<1	<5	5	8
BGRD19-02	Soil	10	1.34	101	0.011	<20	1.98	<0.01	0.03	<2	<0.05	<1	<5	<5	9
BGRD19-03	Soil	30	2.56	43	0.013	<20	3.07	<0.01	0.03	<2	<0.05	<1	<5	8	15
BGRD19-04	Soil	18	1.06	105	0.005	<20	1.81	<0.01	0.02	<2	<0.05	<1	<5	<5	9
BGRD19-05	Soil	12	1.15	107	0.006	<20	1.87	<0.01	0.03	<2	<0.05	<1	<5	<5	7
BGRD19-06	Soil	10	1.34	172	0.012	<20	2.15	<0.01	0.03	<2	<0.05	<1	<5	6	8
RGRS-01	Soil	16	0.93	139	0.024	<20	1.69	<0.01	0.03	<2	<0.05	<1	<5	<5	6
RGRS-02	Soil	18	1.24	174	0.027	<20	2.16	<0.01	0.03	<2	<0.05	<1	<5	5	6
RGRS-03	Soil	43	1.79	166	0.024	<20	2.48	<0.01	0.03	<2	<0.05	<1	<5	5	12
RGRS-04	Soil	42	1.19	219	0.023	<20	2.17	<0.01	0.03	<2	<0.05	<1	<5	5	9
RGRS-05	Soil	23	1.33	168	0.019	<20	2.51	<0.01	0.04	<2	<0.05	<1	<5	7	10
RGRS-06	Soil	40	1.31	218	0.019	<20	2.32	<0.01	0.03	<2	<0.05	<1	<5	6	12
RGRS-07	Soil	38	1.44	238	0.029	<20	2.45	<0.01	0.03	<2	<0.05	<1	<5	6	8
RGRS-08	Soil	41	1.75	162	0.024	<20	2.51	<0.01	0.03	<2	<0.05	<1	<5	<5	7
RGRS-09	Soil	34	1.11	199	0.035	<20	2.17	<0.01	0.03	<2	<0.05	<1	<5	5	8
RGRS-10	Soil	26	1.42	225	0.040	<20	2.43	<0.01	0.03	<2	<0.05	<1	<5	<5	7
RGRS-11	Soil	17	1.29	138	0.013	<20	2.35	<0.01	0.02	<2	<0.05	<1	<5	7	9
RGRS-12	Soil	9	1.38	122	0.009	<20	2.40	<0.01	0.02	<2	<0.05	<1	<5	6	9
RGRS-13	Soil	9	1.29	173	0.003	<20	2.26	<0.01	0.03	<2	<0.05	<1	<5	5	12
RGRS-14	Soil	39	1.86	154	0.015	<20	3.27	<0.01	0.03	<2	<0.05	<1	<5	8	12
RGRS-15	Soil	10	0.47	174	0.009	<20	1.15	<0.01	0.03	<2	<0.05	<1	<5	<5	8
RGRS-16	Soil	15	0.64	227	0.021	<20	1.54	<0.01	0.03	<2	<0.05	<1	<5	<5	7
RGRS-17	Soil	13	0.89	218	0.021	<20	1.94	<0.01	0.03	<2	<0.05	<1	<5	5	9
RGRS-18	Soil	13	0.85	190	0.023	<20	1.86	<0.01	0.03	<2	<0.05	<1	<5	<5	6
RGRS-19	Soil	17	0.69	223	0.031	<20	1.72	<0.01	0.03	<2	<0.05	<1	<5	<5	6
RGRS-20	Soil	20	0.79	199	0.035	<20	2.00	<0.01	0.03	<2	<0.05	<1	<5	<5	6
RGRS-21	Soil	16	0.82	183	0.033	<20	1.84	<0.01	0.03	<2	<0.05	<1	<5	<5	6
RGRS-22	Soil	20	0.94	243	0.029	<20	1.85	<0.01	0.03	<2	<0.05	<1	<5	<5	9
RGRS-23	Soil	28	1.20	233	0.034	<20	2.01	<0.01	0.03	<2	<0.05	<1	<5	<5	7
RGRS-24	Soil	23	0.69	262	0.045	<20	1.57	<0.01	0.04	<2	<0.05	<1	<5	<5	<5



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**Project:** None Given  
**Report Date:** September 30, 2019

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# CERTIFICATE OF ANALYSIS

WHI19000579.1

	Method	FA430	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
RGRS-25	Soil	0.016	<1	23	6	50	<0.3	20	8	300	2.73	6	3	20	<0.5	<3	<3	50	0.37	0.053	13
RGRS-26	Soil	0.009	<1	22	5	49	<0.3	17	7	269	2.58	7	3	21	<0.5	<3	<3	47	0.33	0.053	13
RGRS-27	Soil	0.015	<1	23	7	52	<0.3	17	8	300	2.65	7	3	22	<0.5	<3	<3	49	0.35	0.058	13
RGRS-28	Soil	0.020	<1	18	7	48	<0.3	16	7	252	2.48	6	4	21	<0.5	<3	<3	45	0.34	0.049	13
RGRS-29	Soil	0.024	<1	18	5	56	<0.3	16	7	257	2.49	6	3	19	<0.5	<3	<3	47	0.32	0.049	12
RGRS-30	Soil	0.011	<1	21	6	54	<0.3	17	8	297	2.50	6	3	20	<0.5	<3	<3	46	0.34	0.050	12
RGRS-31	Soil	0.024	<1	26	3	67	<0.3	11	9	556	3.35	5	3	12	<0.5	<3	<3	46	0.29	0.071	10
LGRD-01	Soil	0.019	<1	30	6	66	<0.3	16	11	516	3.53	6	2	16	<0.5	<3	<3	60	0.36	0.064	11
LGRD-02	Soil	0.014	<1	31	5	61	<0.3	18	11	475	3.23	7	2	16	<0.5	<3	<3	57	0.33	0.049	11
LGRD-03	Soil	0.013	<1	23	4	53	<0.3	16	9	349	2.97	5	2	14	<0.5	<3	<3	53	0.28	0.029	11
LGRD-04	Soil	0.014	<1	22	4	49	<0.3	17	8	327	2.78	6	2	17	<0.5	<3	<3	50	0.35	0.041	11
LGRD-05	Soil	0.012	<1	23	4	50	<0.3	20	9	294	2.74	6	3	16	<0.5	<3	<3	48	0.29	0.032	11
LGRD-06	Soil	0.014	<1	34	5	56	<0.3	24	9	328	3.04	6	4	18	<0.5	<3	<3	54	0.27	0.035	11
LGRD-07	Soil	0.013	<1	31	5	53	<0.3	25	10	338	2.83	6	2	15	<0.5	<3	<3	50	0.24	0.044	11
LGRD-08	Soil	0.023	<1	36	4	58	<0.3	19	10	386	3.23	8	3	19	<0.5	<3	<3	55	0.30	0.045	13
LGRD-09	Soil	0.012	<1	24	6	43	<0.3	18	8	315	2.89	7	4	18	<0.5	<3	<3	47	0.26	0.044	14
LGRD-10	Soil	0.041	<1	23	5	41	<0.3	16	8	329	3.00	8	4	19	<0.5	<3	<3	45	0.29	0.050	14
LGRD-11	Soil	0.008	<1	26	7	45	<0.3	19	9	363	3.13	9	4	20	<0.5	<3	<3	50	0.29	0.050	15
LGRD-12	Soil	0.023	<1	20	3	44	<0.3	15	12	570	4.22	7	3	16	<0.5	<3	<3	55	0.32	0.066	11
LGRD-13	Soil	0.011	<1	20	4	39	<0.3	14	7	313	2.97	7	4	14	<0.5	<3	<3	44	0.19	0.024	17
LGRD-14	Soil	0.015	<1	17	5	37	<0.3	13	9	449	3.16	7	4	14	<0.5	<3	<3	44	0.25	0.039	16
LGRD-15	Soil	0.008	<1	12	<3	24	<0.3	8	5	224	2.29	5	8	6	<0.5	<3	<3	17	0.06	0.015	28
LGRD-16	Soil	0.012	<1	17	4	34	<0.3	10	8	298	3.02	7	4	11	<0.5	<3	<3	38	0.16	0.024	19
LGRD-17	Soil	0.007	<1	13	3	37	<0.3	11	8	371	3.20	5	3	12	<0.5	<3	<3	44	0.20	0.037	13
LGRD-18	Soil	0.007	<1	19	5	38	<0.3	13	9	429	3.44	6	3	17	<0.5	<3	<3	51	0.30	0.056	14
LGRD-19	Soil	0.016	<1	15	5	40	<0.3	12	11	578	3.55	4	2	14	<0.5	<3	<3	52	0.27	0.058	13
LGRD-20	Soil	0.010	<1	22	7	45	<0.3	18	9	355	3.15	8	3	20	<0.5	<3	<3	50	0.30	0.056	14
LGRD-21	Soil	0.025	<1	23	6	44	<0.3	18	9	479	3.27	8	3	22	<0.5	<3	<3	48	0.37	0.067	15
LGRD-22	Soil	0.016	<1	76	<3	58	<0.3	18	13	586	3.77	7	2	16	<0.5	<3	<3	56	0.31	0.055	9
LGRD-23	Soil	0.016	<1	57	5	58	<0.3	18	11	453	3.37	5	<2	16	<0.5	<3	<3	54	0.28	0.054	10



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# CERTIFICATE OF ANALYSIS

WHI19000579.1

	Method Analyte Unit MDL	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
		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
RGRS-25	Soil	32	0.80	224	0.042	<20	1.67	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
RGRS-26	Soil	24	0.64	241	0.053	<20	1.57	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
RGRS-27	Soil	25	0.66	249	0.049	<20	1.63	<0.01	0.04	<2	<0.05	<1	<5	<5	<5
RGRS-28	Soil	24	0.62	248	0.048	<20	1.56	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
RGRS-29	Soil	25	0.66	244	0.044	<20	1.64	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
RGRS-30	Soil	25	0.68	240	0.044	<20	1.60	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
RGRS-31	Soil	17	0.90	153	0.027	<20	1.71	<0.01	0.03	<2	<0.05	<1	<5	<5	6
LGRD-01	Soil	25	1.07	214	0.034	<20	2.09	<0.01	0.03	<2	<0.05	<1	<5	<5	7
LGRD-02	Soil	31	0.99	220	0.041	<20	1.91	<0.01	0.03	<2	<0.05	<1	<5	<5	6
LGRD-03	Soil	25	0.82	221	0.046	<20	1.79	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
LGRD-04	Soil	27	0.79	240	0.041	<20	1.72	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
LGRD-05	Soil	34	0.84	221	0.044	<20	1.65	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
LGRD-06	Soil	40	0.96	254	0.055	<20	1.90	<0.01	0.03	<2	<0.05	<1	<5	<5	5
LGRD-07	Soil	44	1.00	202	0.041	<20	1.75	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
LGRD-08	Soil	29	0.95	255	0.047	<20	1.97	<0.01	0.03	<2	<0.05	<1	<5	<5	6
LGRD-09	Soil	25	0.70	323	0.048	<20	1.73	<0.01	0.03	<2	<0.05	<1	<5	<5	6
LGRD-10	Soil	22	0.70	300	0.041	<20	1.72	<0.01	0.04	<2	<0.05	<1	<5	<5	6
LGRD-11	Soil	25	0.70	359	0.045	<20	1.84	<0.01	0.04	<2	<0.05	<1	<5	<5	6
LGRD-12	Soil	17	1.11	257	0.037	<20	2.34	<0.01	0.03	<2	<0.05	<1	<5	5	6
LGRD-13	Soil	19	0.71	305	0.036	<20	1.78	<0.01	0.03	<2	<0.05	<1	<5	<5	6
LGRD-14	Soil	19	0.77	256	0.034	<20	1.90	<0.01	0.03	<2	<0.05	<1	<5	<5	6
LGRD-15	Soil	10	0.57	172	0.014	<20	1.43	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
LGRD-16	Soil	14	0.77	224	0.025	<20	1.61	<0.01	0.03	<2	<0.05	<1	<5	<5	5
LGRD-17	Soil	14	0.96	208	0.032	<20	1.80	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
LGRD-18	Soil	17	0.89	259	0.036	<20	1.98	<0.01	0.03	<2	<0.05	<1	<5	<5	6
LGRD-19	Soil	16	1.02	210	0.036	<20	2.02	<0.01	0.03	<2	<0.05	<1	<5	<5	6
LGRD-20	Soil	22	0.72	286	0.048	<20	1.79	<0.01	0.04	<2	<0.05	<1	<5	<5	5
LGRD-21	Soil	22	0.73	294	0.040	<20	1.89	<0.01	0.04	<2	<0.05	<1	<5	<5	6
LGRD-22	Soil	23	1.29	207	0.037	<20	2.22	<0.01	0.03	<2	<0.05	<1	<5	<5	5
LGRD-23	Soil	23	1.20	195	0.041	<20	1.95	<0.01	0.03	<2	<0.05	<1	<5	<5	<5



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**Client:** **Kreft, Bernie**  
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**Project:** None Given  
**Report Date:** September 30, 2019

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# CERTIFICATE OF ANALYSIS

WHI19000579.1

	Method Analyte Unit MDL	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
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		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
LGRD-24	Soil	0.013	<1	28	4	50	<0.3	33	11	388	3.02	6	2	17	<0.5	<3	<3	51	0.34	0.055	9
LGRD-25	Soil	0.011	<1	31	4	57	<0.3	27	10	302	2.87	5	<2	13	<0.5	<3	<3	51	0.21	0.036	9
LGRD-26	Soil	0.019	<1	47	5	64	<0.3	30	12	420	3.21	7	<2	20	<0.5	<3	<3	57	0.34	0.053	10
LGRD-27	Soil	0.008	<1	28	6	57	<0.3	21	9	318	2.84	7	3	19	<0.5	<3	<3	51	0.28	0.051	11
LGRD-28	Soil	0.033	<1	41	4	69	<0.3	21	11	450	3.73	7	<2	19	<0.5	<3	<3	57	0.31	0.061	10
LGRD-29	Soil	0.010	<1	28	4	65	<0.3	17	9	343	2.93	6	<2	16	<0.5	<3	<3	48	0.32	0.064	10
LGRD-30	Soil	0.014	<1	27	5	65	<0.3	16	8	284	3.12	8	3	19	<0.5	<3	<3	50	0.43	0.072	12



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	Method Analyte Unit MDL	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
		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
LGRD-24	Soil	63	1.16	163	0.041	<20	1.85	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
LGRD-25	Soil	52	1.05	159	0.048	<20	1.92	<0.01	0.02	<2	<0.05	<1	<5	<5	<5
LGRD-26	Soil	46	1.16	202	0.057	<20	1.88	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
LGRD-27	Soil	31	0.83	235	0.061	<20	1.70	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
LGRD-28	Soil	27	1.03	214	0.050	<20	1.95	<0.01	0.03	<2	<0.05	<1	<5	<5	6
LGRD-29	Soil	26	0.91	197	0.044	<20	1.67	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
LGRD-30	Soil	25	0.81	195	0.049	<20	1.65	<0.01	0.04	<2	<0.05	<1	<5	<5	5



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Project:

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## QUALITY CONTROL REPORT

WHI19000579.1

	Method Analyte Unit MDL	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
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		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																					
BGRD19-02	Soil	0.063	<1	34	4	91	<0.3	11	17	1260	4.89	8	3	10	<0.5	<3	<3	58	0.30	0.089	11
REP BGRD19-02	QC		<1	33	5	92	<0.3	11	17	1274	4.99	8	3	10	<0.5	<3	<3	59	0.29	0.083	12
RGRS-09	Soil	0.080	<1	62	5	63	<0.3	21	15	819	4.46	11	3	12	<0.5	<3	<3	57	0.20	0.044	10
REP RGRS-09	QC	0.064																			
RGRS-23	Soil	0.011	<1	38	5	68	<0.3	21	12	525	3.61	6	3	17	<0.5	<3	<3	67	0.35	0.056	11
REP RGRS-23	QC	0.013																			
LGRD-01	Soil	0.019	<1	30	6	66	<0.3	16	11	516	3.53	6	2	16	<0.5	<3	<3	60	0.36	0.064	11
REP LGRD-01	QC		<1	29	4	65	<0.3	16	11	502	3.52	6	2	16	<0.5	<3	<3	59	0.35	0.057	12
LGRD-28	Soil	0.033	<1	41	4	69	<0.3	21	11	450	3.73	7	<2	19	<0.5	<3	<3	57	0.31	0.061	10
REP LGRD-28	QC	0.094																			
Reference Materials																					
STD BVGEO01	Standard		11	4462	189	1728	2.5	166	22	720	3.90	121	14	54	6.1	<3	24	75	1.32	0.074	26
STD DS11	Standard		14	145	132	335	1.6	74	12	993	3.12	42	7	66	2.1	7	11	47	1.03	0.069	17
STD OREAS262	Standard		<1	118	56	150	0.5	63	26	535	3.40	37	8	36	0.6	4	<3	22	3.02	0.039	16
STD OREAS262	Standard		<1	120	55	152	0.5	63	26	543	3.44	36	8	37	0.6	3	<3	22	3.08	0.039	15
STD OXB130	Standard	0.127																			
STD OXB130	Standard	0.124																			
STD OXI138	Standard	1.885																			
STD OXI138	Standard	1.848																			
STD OXN134	Standard	7.845																			
STD OXN134	Standard	7.854																			
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 BVGEO01 Expected			10.8	4415	187	1741	2.53	163	25	733	3.7	121	14.4	55	6.5	2.2	25.6	73	1.3219	0.0727	25.9
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 OXN134 Expected		7.667																			
STD OXI138 Expected		1.86																			
STD OXB130 Expected		0.125																			
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





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# QUALITY CONTROL REPORT

WHI19000579.1

Method Analyte Unit MDL		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
		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
Pulp Duplicates															
BGRD19-02	Soil	10	1.34	101	0.011	<20	1.98	<0.01	0.03	<2	<0.05	<1	<5	<5	9
REP BGRD19-02	QC	10	1.38	104	0.012	<20	2.02	<0.01	0.03	<2	<0.05	<1	<5	<5	9
RGRS-09	Soil	34	1.11	199	0.035	<20	2.17	<0.01	0.03	<2	<0.05	<1	<5	5	8
REP RGRS-09	QC														
RGRS-23	Soil	28	1.20	233	0.034	<20	2.01	<0.01	0.03	<2	<0.05	<1	<5	<5	7
REP RGRS-23	QC														
LGRD-01	Soil	25	1.07	214	0.034	<20	2.09	<0.01	0.03	<2	<0.05	<1	<5	<5	7
REP LGRD-01	QC	24	1.05	214	0.035	<20	2.06	<0.01	0.03	<2	<0.05	<1	<5	<5	7
LGRD-28	Soil	27	1.03	214	0.050	<20	1.95	<0.01	0.03	<2	<0.05	<1	<5	<5	6
REP LGRD-28	QC														
Reference Materials															
STD BVGE001	Standard	162	1.32	343	0.235	<20	2.29	0.19	0.91	4	0.69	<1	<5	<5	6
STD DS11	Standard	55	0.82	423	0.089	<20	1.12	0.07	0.39	3	0.28	<1	<5	<5	<5
STD OREAS262	Standard	42	1.19	252	0.003	<20	1.29	0.07	0.32	<2	0.27	<1	<5	<5	<5
STD OREAS262	Standard	42	1.21	256	0.003	<20	1.31	0.07	0.31	<2	0.27	<1	<5	<5	<5
STD OXB130	Standard														
STD OXB130	Standard														
STD OXI138	Standard														
STD OXI138	Standard														
STD OXN134	Standard														
STD OXN134	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 BVGE001 Expected		171	1.2963	340	0.233		2.347	0.1924	0.89	3.5	0.6655			7.37	5.97
STD OREAS262 Expected		41.7	1.17	248	0.003		1.204	0.071	0.312		0.253			3.73	3.24
STD OXN134 Expected															
STD OXI138 Expected															
STD OXB130 Expected															
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5



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**Project:** None Given  
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## QUALITY CONTROL REPORT

WHI19000579.1

		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
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		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
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																			



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## QUALITY CONTROL REPORT

WHI19000579.1

		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
		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
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														