



BUREAU VERITAS MINERAL LABORATORIES
Canada

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

Client: **Bill Mann**
19 Hayes Cres.
Whitehorse Yukon Y1A 0E1 Canada

Submitted By: Bill Mann
Receiving Lab: Canada-Whitehorse
Received: September 11, 2017
Report Date: October 05, 2017
Page: 1 of 7

CERTIFICATE OF ANALYSIS

WHI17000824.1

CLIENT JOB INFORMATION

Project: GLADMAN FA
Shipment ID:
P.O. Number
Number of Samples: 171

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: Bill Mann
19 Hayes Cres.
Whitehorse Yukon Y1A 0E1
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	171	Dry at 60C			WHI
SS80	171	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	170	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	171	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 7

Part: 1 of 2

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Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
17501	Soil	1.5	8.4	20.4	59	<0.1	7.7	7.3	687	3.11	3.6	3.7	21.5	21	<0.1	0.3	0.5	38	0.16	0.039	25
17502	Soil	4.9	7.5	20.2	52	0.1	8.3	4.0	216	1.89	12.3	1.9	8.7	16	0.2	0.4	0.4	34	0.21	0.049	19
17503	Soil	0.6	0.7	8.4	37	<0.1	1.1	2.6	695	1.94	<0.5	1.1	22.9	30	<0.1	<0.1	0.1	20	0.35	0.047	25
17504	Soil	1.0	2.5	18.1	65	<0.1	1.8	5.6	1332	2.69	1.3	1.3	19.8	7	<0.1	0.1	0.2	30	0.11	0.067	29
17505	Soil	0.5	2.6	12.4	47	<0.1	2.2	3.1	598	2.42	<0.5	1.1	31.4	30	<0.1	0.1	<0.1	23	0.44	0.058	35
17506	Soil	0.6	4.7	14.2	62	<0.1	3.0	5.0	812	3.22	1.6	1.9	36.3	22	<0.1	<0.1	0.6	32	0.39	0.090	44
17507	Soil	0.7	7.4	15.2	70	<0.1	1.2	3.2	706	2.38	0.6	1.3	29.7	16	<0.1	<0.1	2.6	25	0.29	0.057	34
17508	Soil	1.7	29.3	22.6	76	0.2	15.5	6.3	254	1.85	10.3	2.3	2.6	16	0.4	0.6	0.8	40	0.18	0.042	14
17509	Soil	1.3	26.8	20.1	88	0.2	16.6	6.2	272	1.84	7.9	5.4	3.1	17	0.4	0.5	0.4	37	0.19	0.039	16
17510	Soil	1.0	21.2	24.9	70	0.2	15.5	6.4	194	1.76	6.4	1.8	2.4	17	0.3	0.5	0.3	39	0.20	0.045	14
17511	Soil	1.0	26.6	42.6	70	0.2	15.6	5.0	142	1.54	6.1	3.8	1.2	15	1.1	0.5	0.3	35	0.14	0.044	13
17512	Soil	0.8	19.8	12.1	61	0.2	16.5	5.6	173	1.74	6.9	2.1	2.4	18	0.3	0.5	0.3	40	0.20	0.044	14
17513	Soil	0.9	16.8	9.8	53	0.2	15.2	5.8	180	1.67	5.7	1.7	2.0	19	0.4	0.5	0.3	39	0.23	0.044	13
17514	Soil	0.7	22.1	12.4	69	0.2	17.0	5.2	183	1.72	7.0	2.5	3.5	22	0.3	0.5	0.4	42	0.29	0.048	14
17515	Soil	1.2	30.0	25.6	87	0.3	18.6	5.9	200	1.95	9.4	3.8	3.0	21	0.6	0.5	0.6	45	0.25	0.045	15
17516	Soil	1.2	40.1	70.5	98	0.5	14.5	5.0	199	1.82	28.4	4.2	3.8	23	0.5	1.0	1.8	40	0.33	0.046	14
17517	Soil	0.9	38.7	41.7	253	1.1	10.8	3.5	356	1.43	7.1	2.5	1.6	24	2.2	0.4	1.6	34	0.38	0.038	9
17518	Soil	0.5	81.7	60.1	739	1.5	28.0	4.6	636	1.72	7.5	4.0	2.0	64	6.2	0.8	2.3	43	1.32	0.087	14
17519	Soil	0.3	31.8	32.6	234	0.6	22.6	5.9	857	1.45	7.9	3.7	1.7	72	2.3	1.0	1.9	35	1.83	0.090	11
17520	Soil	0.4	42.7	49.5	1044	1.5	35.3	6.6	1208	1.56	16.5	3.9	1.4	104	13.7	1.1	1.9	37	2.45	0.155	11
17521	Soil	0.8	48.2	76.5	286	1.9	23.6	4.7	2080	1.41	66.7	2.2	1.4	79	3.8	2.3	3.0	31	2.47	0.153	10
17522	Soil	0.4	129.5	27.4	713	0.9	29.4	5.2	506	1.43	15.8	7.6	2.4	117	5.5	1.2	3.9	32	1.42	0.102	13
17523	Soil	0.4	290.2	22.0	1140	0.9	28.9	3.9	474	1.52	8.1	6.9	1.5	38	7.1	0.6	2.9	28	1.39	0.075	10
17524	Soil	0.5	176.0	21.7	801	1.4	25.5	3.5	398	1.41	6.9	4.0	1.3	72	8.6	0.7	2.5	28	2.22	0.138	11
17525	Soil	1.7	113.2	22.9	216	1.1	26.9	8.1	542	1.82	16.7	10.8	1.3	44	2.5	1.6	1.7	47	0.55	0.088	15
17526	Soil	5.7	53.1	57.0	199	1.4	28.1	7.5	186	3.20	30.0	3.6	2.8	22	0.5	1.8	2.5	65	0.17	0.058	16
17527	Soil	10.4	117.9	28.9	330	0.7	92.3	19.1	586	3.90	40.1	8.3	4.7	56	1.6	2.4	0.8	91	0.48	0.071	18
17528	Soil	5.1	23.7	26.7	85	1.1	20.6	3.8	119	1.79	11.2	2.3	1.0	22	0.3	1.1	0.3	32	0.15	0.073	17
17529	Soil	1.6	25.1	20.3	88	1.2	26.3	5.3	162	1.64	11.3	3.6	0.7	21	0.5	0.8	0.2	38	0.19	0.073	16
17530	Soil	3.9	35.5	18.6	114	0.6	31.2	13.2	870	2.09	15.7	4.0	1.0	17	0.7	1.6	0.2	37	0.15	0.073	18



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Page: 2 of 7

Part: 2 of 2

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Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2		
17501	Soil	15	0.50	222	0.032	<1	1.83	0.009	0.12	0.2	0.02	5.3	0.1	<0.05	8	<0.5	<0.2	
17502	Soil	13	0.25	139	0.029	1	0.85	0.009	0.06	0.8	0.03	2.1	0.1	<0.05	3	<0.5	<0.2	
17503	Soil	2	0.37	352	0.030	<1	1.03	0.007	0.24	<0.1	<0.01	3.1	0.1	<0.05	5	<0.5	<0.2	
17504	Soil	5	0.38	337	0.060	<1	1.49	0.010	0.38	0.7	0.01	5.3	0.3	<0.05	8	<0.5	<0.2	
17505	Soil	5	0.46	424	0.034	<1	1.67	0.010	0.33	0.1	0.03	5.4	0.2	<0.05	7	<0.5	<0.2	
17506	Soil	6	0.48	609	0.096	<1	1.74	0.013	0.48	0.3	0.01	6.8	0.4	<0.05	8	<0.5	<0.2	
17507	Soil	3	0.38	395	0.055	<1	1.24	0.009	0.40	0.1	<0.01	5.1	0.2	<0.05	7	<0.5	<0.2	
17508	Soil	23	0.34	184	0.028	<1	1.20	0.007	0.04	0.3	0.04	2.5	0.2	<0.05	3	<0.5	<0.2	
17509	Soil	22	0.29	241	0.027	<1	1.11	0.007	0.06	0.3	0.03	2.8	0.2	<0.05	4	<0.5	<0.2	
17510	Soil	23	0.31	198	0.032	<1	1.12	0.008	0.04	0.3	0.04	2.8	0.2	<0.05	3	<0.5	<0.2	
17511	Soil	21	0.28	198	0.024	1	1.17	0.009	0.04	0.2	0.03	2.0	0.2	<0.05	4	<0.5	<0.2	
17512	Soil	23	0.35	222	0.035	<1	1.20	0.008	0.04	0.3	0.03	2.9	0.1	<0.05	4	<0.5	<0.2	
17513	Soil	22	0.34	204	0.034	<1	1.09	0.009	0.04	0.3	0.03	2.5	0.1	<0.05	3	<0.5	<0.2	
17514	Soil	24	0.37	247	0.042	<1	1.13	0.009	0.04	0.4	0.03	3.2	0.1	<0.05	3	<0.5	<0.2	
17515	Soil	28	0.40	258	0.041	<1	1.33	0.009	0.05	0.3	0.03	2.9	0.2	<0.05	4	<0.5	<0.2	
17516	Soil	23	0.35	236	0.036	<1	1.15	0.009	0.05	0.5	0.04	2.5	0.2	<0.05	3	0.6	<0.2	
17517	Soil	16	0.22	238	0.032	<1	0.98	0.016	0.04	0.9	0.04	2.1	0.2	<0.05	4	<0.5	<0.2	
17518	Soil	26	0.43	334	0.034	1	1.31	0.018	0.03	0.4	0.04	3.7	0.2	0.10	3	0.7	<0.2	
17519	Soil	21	0.33	230	0.029	2	0.98	0.017	0.03	0.5	0.05	2.6	<0.1	0.06	3	<0.5	<0.2	
17520	Soil	23	0.37	218	0.026	6	1.02	0.016	0.03	0.9	0.05	2.5	0.1	0.05	3	1.3	<0.2	
17521	Soil	21	0.35	145	0.020	5	0.98	0.015	0.04	30.3	0.03	2.3	0.2	0.06	3	1.1	<0.2	
17522	Soil	25	0.35	184	0.032	2	1.02	0.020	0.03	0.2	0.04	2.7	0.1	<0.05	3	1.3	<0.2	
17523	Soil	21	0.28	233	0.030	2	1.09	0.013	0.02	0.3	0.04	2.5	0.2	0.06	3	0.7	<0.2	
17524	Soil	22	0.35	306	0.027	4	1.23	0.014	0.03	0.2	0.05	2.9	0.1	0.06	3	<0.5	<0.2	
17525	Soil	28	0.35	349	0.019	<1	1.27	0.010	0.04	0.3	0.05	3.5	0.5	0.06	4	0.9	<0.2	
17526	Soil	39	0.62	191	0.021	1	1.60	0.007	0.07	0.2	0.08	3.3	0.3	<0.05	5	3.1	<0.2	
17527	Soil	54	1.01	316	0.027	<1	2.25	0.012	0.10	0.2	0.07	5.8	0.4	<0.05	6	5.6	<0.2	
17528	Soil	26	0.46	235	0.009	1	1.20	0.006	0.07	<0.1	0.15	1.7	0.2	<0.05	4	0.8	<0.2	
17529	Soil	30	0.42	345	0.013	1	1.43	0.009	0.07	0.1	0.15	2.4	0.2	<0.05	4	0.7	<0.2	
17530	Soil	23	0.40	260	0.017	<1	1.18	0.009	0.07	<0.1	0.07	2.2	0.2	<0.05	4	0.8	<0.2	



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Page: 3 of 7

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Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
17531	Soil	4.6	25.6	18.9	87	0.1	9.3	7.3	607	3.60	8.8	1.8	11.3	37	0.1	0.4	0.7	54	0.32	0.181	15
17532	Soil	4.0	38.6	15.6	92	0.2	3.2	4.3	717	3.51	6.8	1.4	17.1	21	0.3	0.2	0.7	34	0.28	0.061	31
17533	Soil	7.1	27.1	15.9	84	<0.1	2.7	4.2	547	3.00	8.4	1.0	10.1	15	0.3	0.2	0.7	41	0.08	0.072	15
17534	Soil	8.7	23.7	16.1	60	<0.1	7.8	8.2	647	2.78	10.6	0.5	3.8	9	0.3	0.5	1.1	44	0.08	0.064	17
17535	Soil	2.4	18.6	10.5	62	<0.1	5.5	4.2	438	2.57	16.2	2.0	16.5	16	0.3	0.4	1.1	32	0.27	0.060	28
17536	Soil	1.6	15.5	17.2	49	<0.1	18.6	8.5	340	2.20	12.1	3.8	3.1	18	0.2	0.6	1.0	48	0.19	0.027	14
17537	Soil	1.1	8.9	12.2	36	<0.1	12.4	6.1	197	2.24	10.2	1.5	0.7	13	0.7	0.4	0.6	50	0.11	0.029	10
17538	Soil	6.6	43.2	7.5	48	0.2	30.0	6.7	161	2.43	8.3	1.2	3.0	36	0.1	0.3	0.2	100	0.30	0.026	15
17539	Soil	17.8	108.1	12.1	81	<0.1	49.2	10.0	184	3.51	23.4	5.9	6.2	68	0.4	0.8	0.7	142	0.45	0.034	19
17540	Soil	1.4	55.6	20.3	61	0.6	30.6	5.5	126	2.13	12.7	8.6	0.8	17	0.1	0.5	1.6	67	0.14	0.058	14
17541	Soil	1.2	51.7	298.5	347	0.9	24.6	9.2	466	2.18	8.5	10.6	3.0	34	1.6	0.7	0.7	61	0.31	0.056	17
17542	Soil	1.0	25.5	128.0	140	0.2	18.5	6.6	275	2.17	8.6	2.4	4.4	22	0.8	0.6	0.2	50	0.22	0.029	13
17543	Soil	1.2	28.5	74.6	93	0.4	15.0	5.2	194	1.95	19.7	2.1	5.5	18	0.3	0.8	0.2	46	0.17	0.026	13
17544	Soil	0.9	14.1	29.4	76	<0.1	12.1	5.9	296	1.71	9.9	0.9	4.0	18	0.5	0.6	0.2	39	0.20	0.045	17
17545	Soil	1.2	25.4	12.1	62	0.1	21.6	6.8	257	2.07	17.9	10.5	3.6	15	0.1	1.4	0.1	42	0.13	0.036	18
17546	Soil	1.9	18.0	17.4	62	0.2	17.0	5.8	238	2.21	9.7	2.2	1.4	11	0.6	0.7	0.4	61	0.11	0.078	14
17547	Soil	1.1	29.5	90.0	65	0.2	18.3	6.0	286	2.19	12.0	3.6	4.7	11	0.1	0.7	0.7	37	0.10	0.043	22
17548	Soil	1.5	51.4	32.2	71	0.3	24.7	22.4	1504	3.56	29.2	1.7	4.8	18	0.2	1.0	0.3	34	0.06	0.106	27
17549	Soil	1.4	65.6	13.2	62	0.3	22.3	6.4	481	2.35	27.5	2.1	11.2	23	<0.1	1.1	2.2	36	0.23	0.016	25
17550	Soil	2.8	144.9	14.7	230	0.3	34.7	7.8	1556	4.95	30.4	3.9	7.2	67	0.4	1.9	3.8	82	0.81	0.112	16
17551	Soil	1.5	59.5	17.1	216	0.4	28.3	10.6	879	2.93	11.5	3.2	4.2	47	1.1	0.8	2.0	64	0.67	0.046	16
17552	Soil	1.3	44.2	25.4	161	0.3	33.7	11.5	790	2.54	11.9	2.6	3.6	83	1.2	1.0	1.0	58	1.01	0.078	16
17553	Soil	0.2	28.2	14.6	91	0.2	17.7	6.1	741	1.68	4.9	1.1	2.0	109	1.0	0.6	0.4	40	1.43	0.067	12
17554	Soil	0.3	38.0	21.6	121	0.2	23.1	7.4	655	1.92	6.6	3.6	3.4	92	0.6	0.7	0.5	47	1.16	0.089	14
17555	Soil	0.9	37.3	18.8	93	0.2	26.9	8.8	513	2.08	12.0	2.2	3.9	80	0.9	1.1	0.5	48	1.92	0.075	14
17556	Soil	0.6	53.0	44.7	206	0.3	26.7	7.6	629	2.13	12.3	3.9	10.5	47	1.0	1.1	1.1	56	0.57	0.071	16
17557	Soil	1.5	7.6	34.8	108	<0.1	18.4	5.7	528	2.03	2.2	<0.5	12.3	10	0.5	0.2	0.2	47	0.20	0.016	25
17558	Soil	15.2	13.4	60.2	82	0.2	17.0	4.5	312	1.93	17.3	1.8	11.7	12	0.2	0.5	1.8	38	0.25	0.018	26
17559	Soil	7.9	20.6	33.2	150	0.3	14.7	4.9	368	1.74	9.9	1.6	6.1	21	0.4	0.6	1.0	35	0.35	0.037	23
17560	Soil	3.8	40.6	65.2	114	0.5	23.2	11.1	656	2.27	14.1	2.9	5.6	28	0.5	1.1	1.1	54	0.23	0.049	20



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Project: GLADMAN FA
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Page: 3 of 7

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000824.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
17531	Soil	17	0.50	322	0.094	<1	1.77	0.010	0.32	1.2	0.02	4.1	0.4	<0.05	8	<0.5	<0.2
17532	Soil	5	0.50	514	0.121	<1	1.83	0.010	0.62	1.6	0.02	5.9	0.6	<0.05	9	<0.5	<0.2
17533	Soil	8	0.35	221	0.106	<1	1.86	0.007	0.35	2.7	0.01	4.0	0.4	<0.05	9	<0.5	<0.2
17534	Soil	17	0.27	140	0.026	<1	1.48	0.005	0.09	8.0	0.02	2.3	0.2	<0.05	6	<0.5	<0.2
17535	Soil	8	0.33	268	0.068	<1	1.44	0.008	0.32	1.3	0.01	5.5	0.3	<0.05	7	<0.5	<0.2
17536	Soil	28	0.33	194	0.028	<1	1.52	0.008	0.07	0.3	0.01	3.1	0.2	<0.05	5	<0.5	<0.2
17537	Soil	20	0.27	136	0.020	<1	1.36	0.007	0.05	0.3	0.02	1.3	0.1	<0.05	4	<0.5	<0.2
17538	Soil	42	0.62	132	0.063	1	2.64	0.008	0.12	0.1	0.02	4.0	0.3	<0.05	9	1.5	<0.2
17539	Soil	73	0.86	196	0.087	<1	2.67	0.021	0.08	0.2	0.02	8.7	0.6	<0.05	8	3.6	<0.2
17540	Soil	50	0.42	267	0.039	1	1.82	0.014	0.06	0.1	0.03	3.1	0.3	<0.05	6	1.0	0.3
17541	Soil	40	0.58	257	0.045	1	1.71	0.008	0.06	0.3	0.04	3.9	0.3	<0.05	5	0.8	<0.2
17542	Soil	30	0.45	168	0.045	1	1.41	0.007	0.04	0.2	0.04	2.8	0.2	<0.05	4	<0.5	<0.2
17543	Soil	27	0.39	168	0.043	<1	1.34	0.006	0.06	0.2	0.02	2.7	0.2	<0.05	4	<0.5	<0.2
17544	Soil	20	0.37	186	0.050	1	1.13	0.006	0.08	0.2	0.01	1.9	0.2	<0.05	4	<0.5	<0.2
17545	Soil	25	0.43	235	0.036	<1	1.21	0.007	0.05	0.1	0.04	2.7	0.1	<0.05	3	<0.5	<0.2
17546	Soil	23	0.27	209	0.026	<1	1.39	0.007	0.05	0.2	0.03	1.9	0.2	<0.05	6	<0.5	<0.2
17547	Soil	24	0.24	189	0.022	<1	1.05	0.005	0.05	0.1	0.06	2.5	0.1	<0.05	3	0.5	<0.2
17548	Soil	23	0.20	191	0.020	<1	1.09	0.004	0.09	<0.1	0.05	3.7	0.3	<0.05	3	<0.5	<0.2
17549	Soil	26	0.26	174	0.013	<1	1.47	0.007	0.11	1.2	0.03	4.1	0.4	<0.05	4	<0.5	<0.2
17550	Soil	51	0.45	220	0.017	<1	2.12	0.016	0.03	3.7	0.04	5.5	0.3	<0.05	7	<0.5	<0.2
17551	Soil	36	0.50	324	0.046	1	1.77	0.020	0.05	2.0	0.06	5.2	0.1	<0.05	5	<0.5	<0.2
17552	Soil	31	0.58	251	0.049	2	1.47	0.032	0.07	0.6	0.04	4.2	0.1	<0.05	4	0.5	<0.2
17553	Soil	21	0.36	222	0.039	2	1.23	0.028	0.03	0.3	0.04	2.9	<0.1	0.07	3	<0.5	<0.2
17554	Soil	27	0.48	251	0.046	2	1.46	0.027	0.05	0.3	0.04	3.7	0.2	0.05	4	<0.5	<0.2
17555	Soil	26	0.53	237	0.046	2	1.11	0.024	0.06	0.2	0.02	3.4	0.2	<0.05	3	<0.5	<0.2
17556	Soil	34	0.44	290	0.039	1	1.61	0.017	0.09	0.4	0.05	4.6	0.4	<0.05	5	<0.5	<0.2
17557	Soil	31	0.28	154	0.037	<1	1.08	0.005	0.24	0.2	0.02	5.1	0.2	<0.05	5	<0.5	<0.2
17558	Soil	24	0.21	80	0.015	<1	0.96	0.005	0.14	0.2	<0.01	3.3	0.2	<0.05	4	<0.5	<0.2
17559	Soil	22	0.24	105	0.012	1	1.04	0.006	0.07	0.2	0.03	2.7	0.2	<0.05	3	0.7	<0.2
17560	Soil	31	0.38	204	0.036	<1	1.46	0.009	0.07	0.2	0.04	3.3	0.4	<0.05	5	1.1	<0.2



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Page: 4 of 7

Part: 1 of 2

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Method Analyte	Unit	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
17561	Soil	2.8	33.2	33.5	97	0.3	24.8	9.7	477	2.27	15.0	18.0	5.2	30	0.6	0.8	0.7	53	0.36	0.046	20
17562	Soil	6.6	27.2	37.3	91	0.2	18.5	4.3	314	1.89	20.0	2.3	7.3	51	0.2	1.0	0.8	35	0.37	0.043	23
17563	Soil	1.1	51.4	40.5	141	0.3	19.9	5.7	363	2.09	30.3	1.3	5.8	58	0.6	0.8	1.7	44	0.42	0.049	18
17564	Soil	1.6	74.3	35.4	118	0.6	23.5	6.8	384	2.33	103.2	14.1	5.5	33	0.8	1.2	2.4	48	0.49	0.057	17
17565	Soil	1.7	91.7	42.8	150	0.7	21.3	6.5	517	2.41	32.1	5.4	5.2	41	1.4	1.2	2.2	43	0.57	0.059	20
17566	Soil	1.5	119.2	52.4	362	1.6	26.8	9.2	589	2.82	31.9	4.4	4.2	35	2.3	1.1	2.4	58	0.75	0.067	19
17567	Soil	1.9	98.7	55.2	274	1.0	27.9	7.7	523	2.77	31.4	7.6	5.4	34	1.3	1.1	4.6	50	0.72	0.078	17
17568	Soil	1.2	235.7	34.5	378	0.7	21.7	6.6	562	2.59	65.1	5.8	4.2	39	2.3	0.8	3.2	50	0.48	0.063	17
17569	Soil	1.1	537.8	71.6	927	4.6	26.0	6.7	1508	4.23	418.5	37.8	2.7	77	7.4	2.2	14.4	40	1.25	0.152	14
17570	Soil	0.5	82.4	26.9	321	0.9	34.5	9.4	1261	2.27	18.6	3.1	3.8	59	4.0	1.1	2.2	55	1.03	0.092	15
17571	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
17572	Soil	0.8	21.5	18.1	107	0.4	18.6	6.1	894	1.86	16.8	2.0	2.8	41	1.4	0.5	0.8	49	0.67	0.059	13
17573	Soil	3.6	34.8	33.1	187	0.7	26.9	8.1	3808	2.40	60.2	3.4	2.8	49	1.7	2.4	1.5	49	1.31	0.146	15
17574	Soil	0.5	9.5	19.1	147	0.2	6.8	3.7	1869	0.79	3.8	<0.5	0.3	102	2.6	0.3	1.5	17	1.01	0.101	7
17575	Soil	0.4	33.0	53.4	1116	1.8	20.4	5.7	740	1.83	9.0	3.6	1.9	56	18.1	0.5	3.2	40	1.34	0.148	12
17576	Soil	0.3	963.1	44.7	2571	1.5	50.8	4.0	1459	1.42	8.4	6.2	3.5	201	18.1	1.1	8.4	27	2.66	0.965	19
17577	Soil	1.2	876.6	45.3	840	0.8	42.0	6.7	1511	2.33	21.1	6.5	4.1	61	6.6	2.2	21.5	57	0.71	0.280	28
17578	Soil	2.9	39.0	16.9	127	0.3	27.8	6.9	257	2.29	17.4	2.3	4.9	29	1.2	1.2	0.8	49	0.34	0.071	17
17579	Soil	3.2	35.3	32.0	73	0.3	27.2	9.7	438	2.91	20.5	6.2	4.3	25	0.1	1.7	0.4	57	0.10	0.062	18
65801	Soil	1.7	3.3	20.4	31	<0.1	2.0	2.6	458	1.65	18.2	0.9	10.9	5	<0.1	0.3	0.1	14	0.03	0.023	34
65802	Soil	0.3	4.9	16.1	40	<0.1	5.7	5.7	589	2.28	3.2	<0.5	22.3	27	<0.1	0.2	0.1	28	0.34	0.030	23
65803	Soil	1.1	8.5	15.1	84	<0.1	8.6	7.2	1289	3.78	2.3	<0.5	24.4	36	<0.1	0.3	0.2	38	0.44	0.101	32
65804	Soil	1.2	30.2	11.9	65	<0.1	23.5	8.9	292	2.20	9.2	1.9	4.8	28	0.4	1.0	0.2	43	0.38	0.083	16
65805	Soil	1.7	30.5	14.7	79	0.2	28.1	9.7	294	2.56	11.8	4.6	5.5	27	0.4	1.2	0.3	52	0.40	0.070	20
65806	Soil	2.2	29.3	29.6	82	0.1	29.2	9.2	353	2.93	15.5	2.7	8.1	18	0.3	1.4	0.2	38	0.23	0.047	27
65807	Soil	2.1	29.2	22.7	74	0.1	29.4	8.9	196	2.84	18.6	2.2	7.1	22	0.1	1.3	0.3	49	0.27	0.049	24
65808	Soil	1.6	32.0	23.0	86	0.2	31.0	10.1	268	3.00	15.6	2.4	7.5	27	0.2	1.1	0.3	49	0.33	0.058	23
65809	Soil	1.8	25.1	23.7	69	0.1	24.6	6.7	174	2.71	17.8	1.8	8.9	20	0.1	1.0	0.2	37	0.23	0.045	29
65810	Soil	2.1	33.5	27.2	85	0.1	34.3	11.2	245	3.01	16.3	2.5	8.3	24	0.4	1.4	0.3	48	0.27	0.052	26
65811	Soil	2.4	30.1	26.7	84	0.1	26.6	7.0	216	2.36	9.6	1.2	9.1	22	0.2	1.3	0.3	41	0.23	0.028	30



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Page: 4 of 7

Part: 2 of 2

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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
17561	Soil	31	0.43	243	0.035	<1	1.55	0.010	0.06	0.3	0.03	4.0	0.2	<0.05	4	0.7	<0.2
17562	Soil	21	0.28	151	0.024	<1	1.00	0.010	0.06	0.2	0.02	2.7	0.2	<0.05	3	<0.5	<0.2
17563	Soil	27	0.39	218	0.036	<1	1.30	0.013	0.08	0.4	0.02	3.3	0.2	<0.05	4	<0.5	<0.2
17564	Soil	31	0.38	220	0.032	<1	1.47	0.010	0.11	0.6	0.04	3.5	0.5	<0.05	5	0.6	<0.2
17565	Soil	27	0.35	244	0.029	<1	1.35	0.011	0.06	1.5	0.04	3.8	0.3	<0.05	4	0.6	<0.2
17566	Soil	35	0.42	304	0.033	1	1.91	0.012	0.07	1.1	0.09	4.3	0.5	<0.05	5	0.7	<0.2
17567	Soil	32	0.41	234	0.052	1	1.39	0.013	0.11	2.3	0.05	4.1	0.3	<0.05	4	0.7	<0.2
17568	Soil	29	0.44	331	0.039	<1	1.44	0.012	0.05	1.1	0.03	4.0	0.2	<0.05	4	0.5	<0.2
17569	Soil	28	0.49	570	0.034	2	1.29	0.016	0.06	24.3	0.04	3.4	0.4	0.07	5	3.0	1.8
17570	Soil	31	0.56	325	0.044	2	1.49	0.022	0.05	2.5	0.04	4.6	0.2	0.08	4	0.6	<0.2
17571	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
17572	Soil	25	0.40	254	0.037	1	1.40	0.016	0.04	1.1	0.03	3.7	0.1	<0.05	4	0.6	<0.2
17573	Soil	28	0.56	332	0.031	2	1.52	0.012	0.04	16.6	0.04	4.1	0.2	<0.05	4	<0.5	<0.2
17574	Soil	10	0.27	253	0.017	2	0.78	0.014	0.03	0.3	0.03	0.9	0.2	<0.05	3	<0.5	<0.2
17575	Soil	24	0.44	272	0.032	1	1.31	0.017	0.03	0.2	0.05	3.2	0.1	<0.05	4	<0.5	0.3
17576	Soil	31	0.26	309	0.040	2	1.19	0.005	0.04	1.1	0.02	4.4	0.3	<0.05	3	<0.5	0.6
17577	Soil	41	0.35	485	0.051	1	1.62	0.006	0.04	0.4	0.05	5.8	0.8	<0.05	5	<0.5	1.1
17578	Soil	30	0.49	285	0.036	<1	1.14	0.009	0.05	0.2	0.02	3.7	0.2	<0.05	4	0.9	<0.2
17579	Soil	41	0.45	238	0.032	1	1.59	0.006	0.06	0.2	0.04	3.2	0.2	<0.05	4	1.4	<0.2
65801	Soil	4	0.04	60	0.002	<1	0.75	0.004	0.11	0.3	<0.01	0.8	0.3	<0.05	2	<0.5	<0.2
65802	Soil	9	0.46	200	0.012	<1	1.79	0.007	0.06	<0.1	<0.01	3.2	0.1	<0.05	6	<0.5	<0.2
65803	Soil	7	0.55	685	0.052	<1	1.74	0.011	0.32	0.8	<0.01	6.7	0.3	<0.05	9	<0.5	<0.2
65804	Soil	26	0.40	237	0.041	1	0.98	0.014	0.06	0.3	0.03	3.7	0.1	<0.05	3	<0.5	<0.2
65805	Soil	33	0.43	313	0.048	1	1.29	0.013	0.07	0.2	0.03	4.2	<0.1	<0.05	4	<0.5	<0.2
65806	Soil	30	0.28	305	0.026	<1	1.11	0.006	0.08	<0.1	0.05	2.7	<0.1	<0.05	3	<0.5	<0.2
65807	Soil	35	0.36	364	0.032	<1	1.42	0.007	0.07	0.1	0.04	4.3	0.1	<0.05	4	<0.5	<0.2
65808	Soil	35	0.40	363	0.042	<1	1.40	0.011	0.08	<0.1	0.05	4.3	0.1	<0.05	4	<0.5	<0.2
65809	Soil	29	0.29	304	0.023	<1	1.18	0.006	0.07	0.1	0.04	3.2	0.1	<0.05	3	<0.5	<0.2
65810	Soil	35	0.34	309	0.033	<1	1.30	0.007	0.07	<0.1	0.03	4.1	<0.1	<0.05	4	<0.5	<0.2
65811	Soil	34	0.34	286	0.026	1	1.35	0.005	0.08	<0.1	0.04	3.3	0.1	<0.05	4	<0.5	<0.2



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Page: 5 of 7

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
65812	Soil	2.6	34.3	25.8	90	0.2	30.0	9.0	168	2.89	17.2	5.3	6.3	26	0.3	1.3	0.3	49	0.29	0.051	27
65813	Soil	2.1	33.7	22.0	84	0.2	31.9	9.6	273	2.61	12.8	4.0	5.9	30	0.3	1.3	0.3	48	0.35	0.059	23
65814	Soil	1.4	22.9	15.7	61	0.1	21.5	6.1	143	2.13	10.2	2.0	3.3	35	0.2	1.1	0.3	48	0.33	0.047	17
65815	Soil	1.4	26.9	16.4	70	0.1	25.1	8.9	211	2.25	11.8	3.9	3.7	45	0.3	0.9	0.4	53	0.41	0.061	16
65816	Soil	1.2	32.9	44.0	90	0.2	23.1	7.2	248	2.14	22.2	3.9	3.3	34	0.6	1.3	0.8	50	0.33	0.055	15
65817	Soil	1.6	81.0	268.0	412	0.2	43.4	3.3	155	2.77	108.3	2.5	4.0	54	1.8	3.3	1.3	31	0.12	0.082	19
65818	Soil	0.7	12.3	139.2	48	<0.1	9.9	2.7	77	0.70	4.8	1.4	2.3	37	0.1	1.0	6.1	18	0.08	0.032	24
65819	Soil	4.1	42.3	65.4	143	0.9	35.4	6.4	156	2.86	36.3	2.7	2.9	25	0.6	2.6	1.1	54	0.26	0.062	25
65820	Soil	7.6	38.2	16.3	132	0.5	35.4	8.0	242	3.24	27.2	3.1	7.3	30	0.7	2.5	1.7	48	0.23	0.055	25
65821	Soil	3.8	24.9	8.9	88	0.2	25.3	9.8	285	2.24	9.1	1.1	3.6	19	0.4	1.3	0.2	47	0.21	0.058	17
65822	Soil	7.6	51.7	8.6	222	0.2	68.9	28.3	673	4.11	17.5	2.7	9.1	23	1.7	3.2	0.5	57	0.25	0.075	26
65823	Soil	8.2	41.8	12.3	109	0.3	36.3	9.6	275	2.94	14.3	3.1	6.1	34	0.9	4.4	0.4	63	0.32	0.073	24
65824	Soil	3.0	24.6	11.2	76	0.1	26.3	9.4	376	2.70	11.1	3.5	4.2	18	0.2	1.3	0.2	55	0.18	0.051	18
65825	Soil	20.4	54.0	32.9	238	0.9	52.2	8.2	319	4.46	45.5	4.7	9.0	100	0.5	6.1	0.4	61	0.21	0.099	31
65826	Soil	2.4	21.4	25.7	64	0.3	20.8	5.7	156	2.08	10.7	1.6	3.3	16	0.2	1.4	0.3	45	0.14	0.046	18
65827	Soil	3.3	22.0	20.1	66	0.2	18.0	9.2	360	2.25	11.0	3.6	3.0	14	0.2	1.1	0.2	52	0.13	0.030	18
65828	Soil	3.5	33.5	17.1	75	0.4	22.9	7.6	178	2.02	7.9	2.2	3.5	21	0.3	1.3	0.2	41	0.22	0.053	19
65829	Soil	2.4	23.8	13.4	71	0.3	20.4	6.7	198	2.17	8.5	3.0	1.1	16	0.3	1.0	0.2	43	0.17	0.059	17
65830	Soil	2.6	21.7	11.9	78	0.3	21.7	9.9	268	2.21	7.0	5.7	3.5	17	0.4	0.9	0.2	44	0.20	0.051	17
65831	Soil	2.5	22.6	14.3	77	0.3	23.4	7.9	215	2.25	9.0	5.4	4.5	19	0.3	1.0	0.2	47	0.20	0.057	19
65832	Soil	0.8	19.4	13.2	71	0.1	21.6	8.9	225	2.22	7.6	3.2	3.7	16	0.2	0.5	0.2	44	0.20	0.049	18
65833	Soil	1.3	20.9	13.7	68	0.1	19.0	6.9	190	2.49	10.7	4.3	4.0	19	0.2	0.7	0.2	39	0.24	0.057	18
65834	Soil	1.6	27.0	23.5	65	0.1	25.3	9.4	252	2.55	11.2	4.9	7.6	23	0.2	0.9	0.3	41	0.26	0.055	25
65835	Soil	1.1	23.2	16.9	56	0.1	21.6	7.7	209	2.14	8.8	2.8	3.2	25	0.3	0.7	0.2	41	0.33	0.053	22
65836	Soil	1.3	24.5	20.9	62	0.1	21.9	7.5	206	2.35	10.3	5.0	6.5	23	0.2	0.9	0.2	40	0.26	0.048	25
65837	Soil	1.0	24.0	16.6	57	0.1	20.3	6.9	182	2.07	9.3	5.1	7.0	23	0.1	0.7	0.2	39	0.29	0.055	23
65838	Soil	0.7	18.8	9.9	46	0.1	16.1	6.9	161	1.79	8.4	6.1	2.1	24	0.3	0.6	0.2	49	0.33	0.057	15
65839	Soil	0.9	9.2	11.7	60	<0.1	10.6	8.2	461	2.39	5.7	5.4	21.8	16	0.1	0.4	0.1	50	0.24	0.062	23
65840	Soil	1.1	19.0	10.1	51	0.1	17.6	7.6	237	2.21	10.2	2.5	2.7	26	0.2	0.6	0.1	54	0.33	0.062	15
65841	Soil	0.7	18.0	8.8	50	<0.1	17.0	6.9	150	2.11	7.3	3.0	1.8	21	0.2	0.5	0.2	51	0.26	0.058	15



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Page: 5 of 7

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000824.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
65812	Soil	39	0.40	316	0.038	<1	1.59	0.008	0.08	<0.1	0.07	4.4	0.1	<0.05	5	<0.5	<0.2
65813	Soil	35	0.44	297	0.044	1	1.40	0.012	0.08	0.1	0.04	4.4	<0.1	<0.05	4	<0.5	<0.2
65814	Soil	28	0.42	246	0.037	<1	1.27	0.009	0.04	<0.1	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
65815	Soil	30	0.42	240	0.048	1	1.22	0.012	0.05	0.2	0.02	3.9	0.1	<0.05	4	1.3	<0.2
65816	Soil	28	0.39	223	0.049	<1	1.14	0.011	0.04	0.3	0.04	4.4	0.2	<0.05	3	<0.5	<0.2
65817	Soil	27	0.12	307	0.023	<1	1.11	0.003	0.03	0.2	0.02	4.9	0.2	<0.05	3	<0.5	<0.2
65818	Soil	12	0.11	214	0.010	<1	0.61	0.002	0.02	0.1	0.01	2.2	<0.1	<0.05	2	<0.5	<0.2
65819	Soil	33	0.45	223	0.026	<1	1.64	0.013	0.05	<0.1	0.06	4.0	0.2	<0.05	5	1.3	<0.2
65820	Soil	30	0.60	188	0.026	<1	1.47	0.007	0.05	0.1	0.02	3.6	0.2	<0.05	4	6.6	<0.2
65821	Soil	29	0.48	163	0.045	<1	1.29	0.007	0.04	0.1	0.02	3.5	0.1	<0.05	4	0.9	<0.2
65822	Soil	43	0.97	247	0.040	<1	2.50	0.005	0.07	<0.1	0.02	3.5	0.2	<0.05	7	2.7	<0.2
65823	Soil	39	0.65	283	0.069	<1	1.60	0.008	0.05	0.1	0.04	5.4	0.1	<0.05	5	2.4	<0.2
65824	Soil	32	0.55	190	0.038	<1	1.65	0.008	0.05	<0.1	0.02	3.5	0.1	<0.05	4	<0.5	<0.2
65825	Soil	40	0.87	315	0.008	<1	1.98	0.009	0.07	<0.1	0.04	4.4	0.7	0.08	5	2.9	<0.2
65826	Soil	28	0.46	158	0.035	<1	1.32	0.007	0.04	0.2	0.05	2.6	0.1	<0.05	4	<0.5	<0.2
65827	Soil	27	0.37	192	0.035	<1	1.36	0.007	0.04	0.2	0.02	2.8	0.2	<0.05	4	<0.5	<0.2
65828	Soil	27	0.47	262	0.034	<1	1.22	0.009	0.04	0.1	0.06	3.2	0.1	<0.05	4	0.9	<0.2
65829	Soil	27	0.46	224	0.027	<1	1.39	0.008	0.05	0.1	0.06	2.5	0.1	<0.05	5	0.5	<0.2
65830	Soil	27	0.47	237	0.036	2	1.36	0.007	0.05	0.1	0.04	3.3	0.1	<0.05	4	<0.5	<0.2
65831	Soil	28	0.46	289	0.037	<1	1.34	0.007	0.05	0.2	0.06	3.6	<0.1	<0.05	4	0.6	<0.2
65832	Soil	29	0.47	267	0.030	<1	1.40	0.006	0.05	0.2	0.04	3.0	<0.1	<0.05	4	0.6	<0.2
65833	Soil	24	0.40	685	0.027	1	1.19	0.006	0.09	0.1	0.04	2.6	0.1	<0.05	4	<0.5	<0.2
65834	Soil	29	0.32	308	0.028	<1	1.31	0.007	0.07	<0.1	0.06	3.8	<0.1	<0.05	4	<0.5	<0.2
65835	Soil	27	0.32	290	0.030	1	1.24	0.011	0.06	0.1	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
65836	Soil	28	0.33	270	0.031	1	1.20	0.007	0.08	<0.1	0.05	3.5	<0.1	<0.05	4	<0.5	<0.2
65837	Soil	26	0.33	261	0.038	1	1.04	0.008	0.07	<0.1	0.04	3.3	<0.1	<0.05	3	<0.5	<0.2
65838	Soil	24	0.36	206	0.041	1	1.12	0.012	0.04	0.2	0.03	2.9	<0.1	0.06	3	<0.5	<0.2
65839	Soil	18	0.39	183	0.094	1	1.49	0.010	0.25	0.2	0.01	4.3	0.2	<0.05	6	<0.5	<0.2
65840	Soil	26	0.38	224	0.041	2	1.26	0.012	0.05	0.2	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
65841	Soil	26	0.38	215	0.042	<1	1.40	0.011	0.04	0.2	0.03	2.9	0.1	<0.05	4	<0.5	<0.2



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Page: 6 of 7

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000824.1

Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	
65842	Soil	0.7	2.5	13.0	60	<0.1	3.9	5.0	643	3.41	3.5	2.0	29.9	20	<0.1	0.1	<0.1	30	0.33	0.063	27
65843	Soil	0.4	4.9	15.6	100	<0.1	5.6	8.5	759	2.95	1.8	1.0	32.3	17	<0.1	0.2	<0.1	33	0.18	0.008	30
65844	Soil	0.7	20.0	11.7	55	<0.1	17.3	6.7	216	2.08	7.6	5.0	6.9	21	0.1	0.6	0.1	46	0.25	0.042	19
65845	Soil	0.4	15.0	17.8	69	<0.1	12.3	5.2	203	1.81	3.6	2.2	27.8	21	<0.1	0.4	0.1	31	0.24	0.020	48
65846	Soil	0.7	6.4	22.2	86	<0.1	10.5	6.4	509	3.24	3.5	2.6	29.4	17	0.1	0.3	<0.1	42	0.16	0.017	35
65847	Soil	1.1	18.3	13.6	60	0.1	17.6	7.5	232	2.27	8.1	3.7	5.7	19	0.3	0.7	0.2	51	0.23	0.054	19
65848	Soil	0.8	5.6	15.0	59	<0.1	7.8	6.7	880	3.09	4.7	<0.5	34.8	18	<0.1	0.1	<0.1	36	0.22	0.047	35
65849	Soil	0.8	4.3	20.6	74	<0.1	2.7	5.5	913	3.29	2.1	1.1	32.4	42	<0.1	<0.1	0.2	31	0.28	0.045	34
65850	Soil	1.1	19.7	12.2	55	<0.1	18.2	7.4	211	2.50	9.0	4.4	4.1	20	0.1	0.5	0.2	58	0.22	0.056	19
65851	Soil	1.6	16.7	13.4	58	0.1	16.9	6.3	238	2.86	9.1	3.5	4.4	23	0.2	0.5	0.2	51	0.26	0.056	20
65852	Soil	0.7	5.8	19.1	70	<0.1	5.3	8.7	886	3.62	4.4	2.1	33.1	25	0.1	0.2	<0.1	39	0.36	0.084	34
65853	Soil	0.8	3.9	17.8	60	<0.1	5.3	8.0	1080	2.87	2.0	1.4	38.7	19	0.3	0.2	<0.1	33	0.30	0.081	55
65854	Soil	8.0	4.3	8.3	69	<0.1	2.0	5.1	962	3.78	2.4	1.8	28.8	14	<0.1	0.1	0.1	28	0.25	0.065	15
65855	Soil	2.7	26.0	16.5	69	0.3	23.5	12.1	1010	2.46	22.1	4.0	0.5	16	0.6	1.1	0.7	44	0.14	0.048	16
65856	Soil	2.0	104.3	14.9	335	0.3	41.8	12.8	907	5.41	37.6	35.3	7.7	18	1.1	2.6	0.6	84	0.23	0.064	20
65857	Soil	1.0	23.8	12.8	54	0.1	17.0	8.2	307	2.09	9.2	5.2	3.1	16	0.1	0.7	0.2	47	0.17	0.039	16
65858	Soil	1.5	31.1	23.4	90	1.1	26.9	15.9	723	2.49	9.8	6.8	2.0	21	0.4	1.3	0.2	48	0.24	0.071	18
65859	Soil	1.1	18.7	19.1	70	0.1	18.3	18.9	871	2.51	11.1	2.4	3.7	15	0.3	1.2	0.2	48	0.15	0.046	18
65860	Soil	0.8	18.9	29.0	70	0.2	18.7	7.5	296	2.15	9.7	9.8	7.1	17	0.2	1.9	0.2	41	0.19	0.059	23
65861	Soil	0.8	26.0	19.0	81	0.1	24.1	7.2	248	2.19	7.6	7.8	8.5	23	0.3	1.6	0.2	45	0.27	0.059	25
65862	Soil	0.9	18.4	19.0	60	0.2	20.5	7.7	172	2.17	6.7	6.2	1.5	18	0.2	0.5	0.2	52	0.21	0.053	20
65863	Soil	0.7	16.9	16.2	63	0.1	19.4	9.0	225	2.24	7.1	3.7	4.1	17	0.3	0.6	0.2	49	0.21	0.057	19
65864	Soil	1.1	23.7	13.3	74	<0.1	25.0	11.8	374	2.69	9.0	9.0	5.7	21	0.2	0.6	0.2	56	0.27	0.070	21
65865	Soil	1.1	12.2	24.4	62	<0.1	6.9	3.8	408	1.69	1.0	3.1	23.0	11	0.1	0.2	0.3	26	0.12	0.012	32
65866	Soil	1.2	6.1	23.5	25	<0.1	3.1	2.2	57	0.46	1.4	0.8	10.9	8	<0.1	0.1	0.5	11	0.05	0.008	26
65867	Soil	0.5	8.8	37.1	79	<0.1	13.1	31.5	1290	1.17	<0.5	1.1	49.4	18	0.6	0.2	0.1	15	0.27	0.012	61
65868	Soil	0.5	5.5	14.1	29	<0.1	4.3	3.5	221	1.29	<0.5	1.7	46.8	16	<0.1	<0.1	<0.1	21	0.16	0.009	36
65869	Soil	1.1	15.3	15.2	62	<0.1	20.0	11.0	457	2.66	8.2	2.9	16.2	15	0.3	0.4	0.2	53	0.14	0.034	20
65870	Soil	0.8	34.3	26.6	79	<0.1	4.3	3.3	675	1.94	0.8	1.3	25.5	25	0.1	0.1	1.6	25	0.21	0.013	52
65871	Soil	6.5	8.2	12.6	56	<0.1	8.4	7.8	565	2.54	4.0	1.8	14.3	17	<0.1	0.2	0.2	43	0.17	0.041	24

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.



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Page: 6 of 7

Part: 2 of 2

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Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.2
65842	Soil	5	0.48	413	0.097	<1	1.63	0.011	0.58	<0.1	<0.01	6.0	0.3	<0.05	9	<0.5	<0.2	<0.2
65843	Soil	7	0.60	459	0.187	<1	2.11	0.012	0.88	<0.1	0.01	9.0	0.5	<0.05	10	<0.5	<0.2	<0.2
65844	Soil	27	0.40	214	0.059	1	1.32	0.009	0.10	<0.1	0.04	3.7	0.2	0.08	4	<0.5	<0.2	<0.2
65845	Soil	16	0.28	225	0.017	<1	1.60	0.007	0.17	<0.1	0.02	4.8	0.2	0.06	5	<0.5	<0.2	<0.2
65846	Soil	12	0.42	259	0.050	<1	1.77	0.010	0.46	0.2	<0.01	4.9	0.3	0.06	8	<0.5	<0.2	<0.2
65847	Soil	27	0.38	210	0.043	1	1.30	0.009	0.06	0.2	0.05	3.2	<0.1	0.07	4	<0.5	<0.2	<0.2
65848	Soil	11	0.49	295	0.095	<1	2.13	0.011	0.48	<0.1	0.01	6.1	0.3	0.05	8	<0.5	<0.2	<0.2
65849	Soil	5	0.44	405	0.026	<1	1.54	0.011	0.46	<0.1	<0.01	4.2	0.1	0.06	9	<0.5	<0.2	<0.2
65850	Soil	30	0.41	256	0.047	1	1.62	0.010	0.06	0.2	0.05	3.8	0.1	0.06	5	<0.5	<0.2	<0.2
65851	Soil	25	0.36	275	0.035	1	1.55	0.009	0.07	0.1	0.06	3.4	0.2	0.06	5	0.6	<0.2	<0.2
65852	Soil	9	0.55	481	0.108	<1	1.83	0.011	0.60	<0.1	<0.01	7.2	0.4	0.07	9	<0.5	<0.2	<0.2
65853	Soil	5	0.35	412	0.048	<1	1.30	0.008	0.31	0.1	<0.01	4.8	0.4	0.06	6	<0.5	<0.2	<0.2
65854	Soil	4	0.45	489	0.155	<1	1.61	0.009	0.60	<0.1	0.02	5.9	0.9	0.06	7	<0.5	<0.2	<0.2
65855	Soil	23	0.24	217	0.018	1	0.93	0.009	0.06	0.3	0.03	1.1	0.2	<0.05	3	<0.5	<0.2	<0.2
65856	Soil	38	0.83	397	0.065	<1	2.16	0.007	0.52	0.2	0.04	14.0	0.9	<0.05	7	1.6	<0.2	<0.2
65857	Soil	26	0.37	187	0.036	<1	1.28	0.008	0.05	0.2	0.04	2.5	0.1	<0.05	4	<0.5	<0.2	<0.2
65858	Soil	33	0.54	360	0.027	<1	1.68	0.010	0.18	0.2	0.20	3.4	0.2	<0.05	5	<0.5	<0.2	<0.2
65859	Soil	28	0.45	198	0.037	1	1.34	0.007	0.07	0.2	0.08	2.4	0.1	<0.05	4	<0.5	<0.2	<0.2
65860	Soil	31	0.50	191	0.035	<1	1.27	0.007	0.04	0.2	0.20	2.7	0.1	<0.05	3	<0.5	<0.2	<0.2
65861	Soil	33	0.60	197	0.039	<1	1.24	0.007	0.05	0.3	0.15	2.8	<0.1	0.05	4	<0.5	<0.2	<0.2
65862	Soil	49	0.47	247	0.032	1	1.56	0.011	0.06	0.2	0.09	2.9	0.1	<0.05	5	<0.5	<0.2	<0.2
65863	Soil	41	0.44	204	0.036	1	1.35	0.008	0.06	0.2	0.03	2.8	0.1	0.05	4	<0.5	<0.2	<0.2
65864	Soil	52	0.55	258	0.051	<1	1.38	0.009	0.05	0.2	0.02	4.0	<0.1	<0.05	4	<0.5	<0.2	<0.2
65865	Soil	13	0.31	290	0.087	<1	1.29	0.006	0.30	0.4	<0.01	5.2	0.5	<0.05	6	<0.5	<0.2	<0.2
65866	Soil	5	0.04	135	0.006	<1	0.43	0.002	0.04	0.4	<0.01	1.2	0.2	<0.05	2	<0.5	<0.2	<0.2
65867	Soil	5	0.20	382	0.008	<1	0.79	0.006	0.09	<0.1	0.04	3.9	0.6	<0.05	3	<0.5	<0.2	<0.2
65868	Soil	7	0.19	161	0.024	<1	1.08	0.006	0.13	0.5	<0.01	5.1	0.2	<0.05	4	<0.5	<0.2	<0.2
65869	Soil	29	0.42	175	0.058	<1	1.73	0.010	0.11	0.4	0.01	4.4	0.2	<0.05	5	<0.5	<0.2	<0.2
65870	Soil	5	0.28	492	0.064	<1	1.24	0.009	0.22	<0.1	<0.01	4.8	0.5	<0.05	5	<0.5	<0.2	<0.2
65871	Soil	15	0.38	252	0.066	<1	1.65	0.007	0.20	0.3	0.01	4.2	0.3	<0.05	6	<0.5	<0.2	<0.2



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Page: 7 of 7

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000824.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL
65872	Soil	2.4	5.9	22.7	37	<0.1	5.0	5.0	378	2.71	3.7	1.2	27.5	9	<0.1	0.2	0.1	34	0.06	0.033	37
65873	Soil	0.6	5.0	16.5	50	<0.1	6.5	8.3	720	2.74	3.1	1.6	26.8	40	<0.1	0.2	<0.1	39	0.24	0.070	38
65874	Soil	0.5	3.8	18.4	51	<0.1	2.5	4.3	387	2.66	0.7	<0.5	36.3	19	<0.1	<0.1	0.3	27	0.29	0.072	42
65875	Soil	0.8	10.9	24.9	69	<0.1	2.8	3.9	460	2.30	1.3	0.6	37.8	25	0.3	<0.1	4.9	20	0.33	0.014	52
65876	Soil	0.9	15.1	26.9	52	<0.1	2.3	3.5	478	2.54	2.0	0.8	41.9	15	0.2	0.1	0.6	28	0.16	0.012	41
65877	Soil	1.5	34.0	24.8	65	<0.1	23.6	7.8	210	2.20	7.4	4.0	8.2	11	0.2	1.1	0.4	60	0.11	0.030	31
65878	Soil	1.5	22.2	21.5	53	<0.1	20.2	7.5	197	2.31	10.6	1.2	4.3	14	0.2	0.8	0.3	61	0.12	0.021	15
65879	Soil	1.2	28.4	18.7	56	<0.1	21.8	9.9	276	2.41	8.7	3.1	6.4	17	<0.1	0.7	0.2	63	0.16	0.022	20
65880	Soil	1.9	12.3	28.9	125	<0.1	10.7	8.1	575	3.00	1.9	2.1	43.8	19	<0.1	0.5	0.2	41	0.23	0.038	49
65881	Soil	21.3	1726.8	192.8	575	3.5	43.0	32.8	2831	9.62	35.0	23.7	4.2	43	5.5	1.4	36.4	68	1.10	0.125	17
65882	Soil	2.7	141.9	20.4	84	3.7	27.9	10.0	454	2.94	29.9	3.9	4.0	12	0.4	0.8	2.3	63	0.10	0.035	12
65883	Soil	1.4	14.8	6.5	26	1.4	2.9	2.5	114	1.01	19.0	1.0	<0.1	10	0.2	0.3	1.2	29	0.07	0.019	2
65884	Soil	8.8	159.3	28.7	105	1.2	31.6	12.6	2022	2.74	28.2	6.2	5.9	20	1.2	1.2	2.9	57	0.18	0.042	20
65885	Soil	10.3	197.9	42.9	182	1.6	32.0	10.9	746	2.80	45.4	5.0	4.4	15	0.6	1.0	3.1	60	0.16	0.041	16
65886	Soil	11.7	53.0	44.9	147	0.3	23.7	12.5	1193	2.87	106.1	7.3	5.6	22	0.5	1.3	1.7	63	0.17	0.050	19
65887	Soil	26.9	36.2	92.1	239	1.7	21.9	9.4	1230	2.74	22.0	3.5	4.6	19	1.2	0.9	1.5	57	0.15	0.052	15
65888	Soil	2.7	7.8	9.4	17	0.7	2.8	1.3	36	0.69	1.3	1.1	0.6	6	0.5	<0.1	0.1	21	0.03	0.020	3
65889	Soil	27.5	32.1	99.5	237	0.5	21.5	8.6	1004	2.42	51.0	3.7	5.9	23	1.2	0.8	1.1	53	0.16	0.043	20
65890	Soil	31.6	27.7	119.2	147	1.4	13.4	6.8	794	2.28	32.2	0.9	4.3	11	0.6	0.7	1.8	51	0.09	0.029	16
65891	Soil	29.1	36.6	158.0	170	0.2	18.8	7.0	910	2.26	19.6	4.0	7.4	13	1.2	1.0	0.8	43	0.10	0.026	20
65892	Soil	32.9	24.7	94.9	152	0.8	18.8	8.6	792	2.31	21.3	<0.5	4.2	23	1.1	0.7	0.6	53	0.14	0.028	16



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Page: 7 of 7

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000824.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
65872	Soil	11	0.16	131	0.023	<1	1.24	0.007	0.10	0.1	<0.01	3.5	0.2	<0.05	5	<0.5	<0.2
65873	Soil	12	0.38	431	0.066	<1	1.54	0.009	0.28	0.3	0.01	5.1	0.3	<0.05	6	<0.5	<0.2
65874	Soil	5	0.35	403	0.053	<1	1.47	0.009	0.31	0.3	<0.01	4.9	0.2	<0.05	6	<0.5	<0.2
65875	Soil	3	0.25	361	0.011	<1	1.49	0.009	0.18	<0.1	<0.01	5.0	0.2	<0.05	5	<0.5	<0.2
65876	Soil	3	0.32	411	0.073	<1	1.32	0.010	0.39	0.4	0.01	6.2	0.3	<0.05	7	<0.5	<0.2
65877	Soil	32	0.31	179	0.033	<1	1.23	0.005	0.06	0.4	0.02	4.3	0.1	<0.05	3	<0.5	<0.2
65878	Soil	35	0.36	202	0.035	<1	1.55	0.007	0.05	0.2	0.03	3.4	0.1	<0.05	5	0.5	<0.2
65879	Soil	35	0.38	293	0.047	<1	1.63	0.007	0.05	0.2	0.03	5.5	0.1	<0.05	5	0.6	<0.2
65880	Soil	12	0.43	400	0.166	<1	1.99	0.010	0.63	0.2	<0.01	9.8	1.1	0.06	9	<0.5	<0.2
65881	Soil	40	0.32	130	0.050	<1	1.47	0.015	0.05	8.8	0.04	4.1	0.2	0.12	5	10.0	5.0
65882	Soil	33	0.39	151	0.046	1	2.05	0.008	0.05	0.3	0.10	3.1	0.2	<0.05	5	<0.5	<0.2
65883	Soil	5	0.04	42	0.028	<1	0.38	0.023	0.02	<0.1	0.03	0.2	<0.1	<0.05	3	<0.5	<0.2
65884	Soil	33	0.40	227	0.056	1	1.55	0.009	0.06	0.7	0.08	4.3	0.2	<0.05	4	<0.5	<0.2
65885	Soil	34	0.40	188	0.043	1	1.83	0.008	0.07	0.5	0.08	3.4	0.3	<0.05	4	0.7	<0.2
65886	Soil	31	0.38	125	0.063	1	1.52	0.011	0.08	0.3	0.02	2.7	0.2	<0.05	5	0.6	0.3
65887	Soil	30	0.37	128	0.046	<1	1.51	0.008	0.07	0.7	0.05	2.9	0.2	<0.05	5	0.6	<0.2
65888	Soil	6	0.03	38	0.031	<1	0.46	0.019	0.02	<0.1	0.04	0.6	<0.1	<0.05	2	<0.5	<0.2
65889	Soil	30	0.37	138	0.045	<1	1.44	0.008	0.09	0.5	0.04	3.4	0.2	<0.05	4	0.8	<0.2
65890	Soil	24	0.24	88	0.041	<1	1.27	0.008	0.05	0.2	0.05	2.2	0.2	<0.05	4	<0.5	<0.2
65891	Soil	25	0.27	109	0.049	<1	0.88	0.006	0.07	0.3	0.01	2.5	0.2	<0.05	3	0.6	<0.2
65892	Soil	29	0.34	168	0.050	<1	1.52	0.009	0.09	0.3	0.03	2.8	0.2	<0.05	5	<0.5	<0.2



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Page: 1 of 2 Part: 1 of 2

QUALITY CONTROL REPORT

WHI17000824.1

Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
Pulp Duplicates																					
17535	Soil	2.4	18.6	10.5	62	<0.1	5.5	4.2	438	2.57	16.2	2.0	16.5	16	0.3	0.4	1.1	32	0.27	0.060	28
REP 17535	QC	2.1	18.5	10.7	60	<0.1	5.2	4.3	427	2.65	16.3	1.1	16.0	15	0.3	0.4	1.1	32	0.26	0.059	27
65828	Soil	3.5	33.5	17.1	75	0.4	22.9	7.6	178	2.02	7.9	2.2	3.5	21	0.3	1.3	0.2	41	0.22	0.053	19
REP 65828	QC	3.2	31.8	16.7	72	0.4	21.3	6.9	168	1.87	6.4	3.4	3.4	20	0.2	1.3	0.2	40	0.21	0.054	18
65864	Soil	1.1	23.7	13.3	74	<0.1	25.0	11.8	374	2.69	9.0	9.0	5.7	21	0.2	0.6	0.2	56	0.27	0.070	21
REP 65864	QC	1.1	24.7	13.6	76	<0.1	24.5	11.5	368	2.73	9.1	7.3	5.6	22	0.4	0.7	0.2	56	0.26	0.073	22
65892	Soil	32.9	24.7	94.9	152	0.8	18.8	8.6	792	2.31	21.3	<0.5	4.2	23	1.1	0.7	0.6	53	0.14	0.028	16
REP 65892	QC	32.2	24.3	95.2	150	0.8	18.3	8.7	800	2.32	21.0	0.9	3.8	22	1.1	0.7	0.6	52	0.13	0.025	15
Reference Materials																					
STD DS11	Standard	14.9	156.3	138.1	334	1.6	82.8	14.3	1022	3.07	42.0	79.5	7.6	64	2.5	8.9	11.7	56	1.02	0.067	19
STD DS11	Standard	15.8	159.6	140.9	343	1.7	80.0	14.6	1027	3.13	40.2	84.5	7.6	65	2.5	9.2	11.9	53	1.05	0.069	19
STD DS11	Standard	15.2	160.5	145.0	351	1.6	86.3	15.4	1040	3.18	41.8	81.0	8.0	63	2.3	7.9	11.8	60	1.03	0.067	20
STD DS11	Standard	14.4	153.6	138.8	345	1.7	81.7	13.9	1025	3.13	41.7	91.7	7.6	64	2.2	8.4	11.6	51	1.02	0.068	18
STD DS11	Standard	14.1	147.4	142.8	343	1.7	79.0	14.3	999	3.17	42.5	93.6	7.6	65	2.3	8.4	11.9	49	1.03	0.068	17
STD DS11	Standard	13.9	146.3	134.7	338	1.7	76.0	13.5	995	3.11	42.6	111.5	7.3	63	2.5	8.5	11.6	49	1.03	0.071	18
STD OXC129	Standard	1.2	29.8	6.1	43	<0.1	87.3	21.6	434	3.10	<0.5	194.1	1.8	176	<0.1	<0.1	<0.1	59	0.66	0.099	13
STD OXC129	Standard	1.3	28.9	5.8	45	<0.1	81.6	21.3	426	3.19	<0.5	197.3	1.6	180	<0.1	<0.1	<0.1	58	0.65	0.102	12
STD OXC129	Standard	1.4	31.6	6.4	46	<0.1	90.6	23.3	445	3.25	0.5	199.7	1.9	185	<0.1	<0.1	<0.1	58	0.72	0.103	13
STD OXC129	Standard	1.3	29.5	6.2	44	<0.1	86.1	22.5	431	3.16	0.5	203.4	1.8	187	<0.1	<0.1	<0.1	58	0.71	0.104	13
STD OXC129	Standard	1.2	30.0	6.3	45	<0.1	89.0	22.5	455	3.33	<0.5	213.6	1.7	192	<0.1	<0.1	<0.1	62	0.65	0.107	13
STD OXC129	Standard	1.2	24.9	6.0	39	<0.1	75.7	20.2	401	3.03	0.6	198.0	1.7	187	<0.1	<0.1	<0.1	50	0.64	0.099	12
STD OXC129 Expected		1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102	13
STD DS11 Expected		14.6	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701	18.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	3	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	3	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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Page: 1 of 2

Part: 2 of 2

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WHI17000824.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																	
17535	Soil	8	0.33	268	0.068	<1	1.44	0.008	0.32	1.3	0.01	5.5	0.3	<0.05	7	<0.5	<0.2
REP 17535	QC	8	0.32	266	0.070	<1	1.51	0.008	0.32	1.5	<0.01	5.6	0.3	<0.05	7	<0.5	<0.2
65828	Soil	27	0.47	262	0.034	<1	1.22	0.009	0.04	0.1	0.06	3.2	0.1	<0.05	4	0.9	<0.2
REP 65828	QC	26	0.47	247	0.031	<1	1.22	0.007	0.04	0.1	0.05	3.1	0.1	<0.05	3	0.9	<0.2
65864	Soil	52	0.55	258	0.051	<1	1.38	0.009	0.05	0.2	0.02	4.0	<0.1	<0.05	4	<0.5	<0.2
REP 65864	QC	51	0.56	263	0.053	<1	1.45	0.010	0.06	0.2	0.04	4.0	<0.1	<0.05	4	<0.5	<0.2
65892	Soil	29	0.34	168	0.050	<1	1.52	0.009	0.09	0.3	0.03	2.8	0.2	<0.05	5	<0.5	<0.2
REP 65892	QC	27	0.33	155	0.044	<1	1.38	0.008	0.09	0.2	0.03	2.8	0.2	<0.05	4	0.5	<0.2
Reference Materials																	
STD DS11	Standard	63	0.82	366	0.098	8	1.09	0.067	0.39	3.1	0.26	3.1	4.8	0.31	5	2.2	5.3
STD DS11	Standard	63	0.85	367	0.097	7	1.15	0.069	0.38	3.0	0.24	3.2	5.0	0.30	5	1.8	4.8
STD DS11	Standard	65	0.83	362	0.102	6	1.13	0.070	0.37	3.0	0.22	3.3	4.8	0.28	5	2.3	4.6
STD DS11	Standard	61	0.85	363	0.091	8	1.10	0.070	0.38	3.0	0.23	3.0	4.9	0.31	5	1.7	5.1
STD DS11	Standard	59	0.85	358	0.091	8	1.12	0.070	0.39	3.1	0.22	3.0	5.2	0.28	5	2.1	4.4
STD DS11	Standard	58	0.84	363	0.083	7	1.12	0.073	0.39	3.0	0.28	3.1	4.8	0.27	5	1.7	4.4
STD OXC129	Standard	57	1.54	48	0.422	1	1.50	0.532	0.35	<0.1	<0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	54	1.55	45	0.421	2	1.55	0.574	0.38	<0.1	<0.01	1.0	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	61	1.68	48	0.471	1	1.65	0.618	0.34	<0.1	<0.01	1.1	<0.1	0.05	6	<0.5	<0.2
STD OXC129	Standard	60	1.64	48	0.431	1	1.60	0.596	0.35	<0.1	<0.01	1.0	<0.1	0.05	6	<0.5	<0.2
STD OXC129	Standard	58	1.65	52	0.432	1	1.56	0.607	0.37	<0.1	<0.01	0.8	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	50	1.49	50	0.384	<1	1.47	0.575	0.36	<0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
STD OXC129 Expected		52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
STD DS11 Expected		61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Project: GLADMAN FA
Report Date: October 05, 2017

Page: 2 of 2

Part: 1 of 2

QUALITY CONTROL REPORT

WHI17000824.1

	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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Page: 2 of 2

Part: 2 of 2

QUALITY CONTROL REPORT

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	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<1	<0.5	<0.2