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Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road.
Whitehorse YT Y1A 5Y9 CANADA

Submitted By: Mike Power
Receiving Lab: Canada-Whitehorse
Received: June 17, 2013
Report Date: June 30, 2013
Page: 1 of 4

CERTIFICATE OF ANALYSIS

WHI13000045.1

CLIENT JOB INFORMATION

Project: PRL-13523-YT
Shipment ID: RC-2013-01
P.O. Number
Number of Samples: 67

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
PICKUP-RJT Client to Pickup Rejects

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

Invoice To: Aurora Geosciences Ltd. (Yellowknife)
3506 McDonald Drive
Yellowknife NT X1A 2H1
CANADA

CC: Mike Wark

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	67	Dry at 60C			WHI
SS80	67	Dry at 60C sieve 100g to -80 mesh			WHI
1F03	64	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	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. Acme 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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Method Analyte	Unit	MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppb	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
K948152	Soil		1.71	12.91	18.28	121.9	62	20.2	9.7	302	2.54	12.0	0.4	3.8	2.4	11.2	1.76	1.36	0.30	47	0.12	0.056
K948154	Soil		2.69	42.21	26.64	142.2	460	38.5	9.2	451	2.39	14.5	0.9	5.2	6.3	61.6	0.97	2.46	0.27	41	1.59	0.102
K948158	Soil		1.26	13.39	15.18	95.6	147	23.7	6.5	171	1.68	8.3	0.6	2.1	3.1	15.8	0.50	0.96	0.17	33	0.20	0.069
K948159	Soil		2.26	32.72	30.55	109.9	429	28.3	6.5	744	2.94	8.5	1.0	3.8	3.7	207.3	1.36	2.63	0.14	25	7.74	0.065
K948160	Soil		3.97	49.38	21.75	160.1	539	49.7	12.0	531	2.59	15.8	3.4	5.3	5.4	139.1	1.37	3.19	0.29	48	3.28	0.105
K948161	Soil		1.30	16.86	10.13	66.0	69	22.1	6.2	211	1.54	7.7	0.5	3.0	2.9	16.5	0.03	1.01	0.15	33	0.23	0.049
K948162	Soil		1.51	17.64	15.74	113.1	154	19.1	7.1	451	1.53	7.8	0.9	4.4	2.4	30.5	0.41	1.18	0.18	33	0.47	0.085
K948163	Soil		0.72	16.54	9.54	101.6	55	9.8	9.8	1606	2.49	5.5	0.6	<0.2	0.4	20.5	1.69	0.53	0.12	25	0.76	0.050
K948164	Soil		1.38	31.35	14.50	85.6	365	24.3	7.4	183	2.00	10.4	1.0	8.0	2.3	62.5	0.33	1.66	0.21	31	0.89	0.057
K948165	Soil		1.30	50.23	22.50	75.1	371	32.1	12.4	263	2.68	17.5	1.4	26.2	2.6	145.1	0.51	2.84	0.36	15	4.42	0.078
K948166	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.
K948167	Soil		1.66	18.22	17.12	237.5	252	23.2	7.6	450	2.24	10.0	1.7	2.6	2.4	41.3	1.50	1.35	0.30	45	0.77	0.062
K948168	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.
K948169	Soil		1.82	34.33	14.72	106.4	212	30.7	7.4	385	1.92	12.0	0.9	3.5	3.6	33.8	0.38	2.15	0.22	37	0.52	0.087
K948170	Soil		1.42	53.81	18.93	76.5	328	35.7	10.8	781	1.91	14.3	0.8	2.2	1.9	43.6	1.12	4.47	0.25	44	0.80	0.038
K948171	Soil		1.25	25.42	11.36	98.5	209	27.3	7.1	258	1.66	7.3	0.8	7.3	4.1	41.1	0.47	1.35	0.17	29	0.68	0.101
K948173	Soil		1.62	36.56	10.27	110.2	603	28.3	7.0	339	1.87	9.0	1.0	5.3	2.2	29.7	0.57	1.20	0.18	29	0.46	0.079
K948174	Soil		1.19	26.90	11.89	65.4	86	34.7	7.2	223	1.87	8.8	0.5	5.3	3.9	9.8	0.16	1.21	0.16	32	0.09	0.025
K948175	Soil		1.69	26.49	12.58	73.0	53	34.3	8.6	275	2.36	10.5	0.5	5.8	4.1	13.7	0.14	1.17	0.20	35	0.13	0.047
K948176	Soil		1.20	20.44	10.61	60.8	41	22.9	7.3	166	1.89	7.7	0.4	2.6	4.0	7.7	0.53	0.96	0.15	30	0.05	0.023
K948177	Soil		1.03	34.24	14.66	100.4	359	33.5	9.9	339	2.16	7.3	0.7	2.9	6.4	30.7	0.62	1.26	0.18	31	0.39	0.083
K948178	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.
K948179	Soil		1.68	36.24	13.60	106.1	432	36.9	8.9	451	1.71	11.7	1.3	5.8	3.8	142.4	1.06	2.44	0.17	41	2.92	0.084
K948180	Soil		1.41	27.33	23.72	77.6	592	36.9	11.0	476	2.35	15.2	0.7	2.9	4.9	27.2	0.61	1.96	0.19	43	0.47	0.055
L859051	Soil		1.35	40.32	12.08	92.6	524	48.7	9.3	416	1.83	11.5	0.8	5.1	3.7	95.8	0.89	2.33	0.24	47	2.68	0.087
L859052	Soil		1.02	13.82	11.02	92.1	157	24.2	8.5	349	1.87	6.6	0.7	2.8	2.9	23.4	0.21	0.79	0.22	41	0.35	0.046
L859055	Soil		1.42	17.51	11.23	78.8	345	26.9	6.5	247	2.07	8.9	1.2	1.8	3.4	30.8	0.22	1.22	0.22	39	0.41	0.042
L859056	Soil		1.71	23.66	11.36	104.3	292	31.1	6.8	574	1.98	9.3	1.1	3.5	4.0	37.8	0.42	1.28	0.22	38	0.46	0.113
L859061	Soil		1.81	16.17	18.57	139.5	114	21.4	11.8	1036	2.54	9.3	0.4	<0.2	2.3	19.8	1.57	1.20	0.29	50	0.27	0.046
L859062	Soil		1.32	10.62	13.09	106.1	55	16.3	7.1	184	2.02	8.2	0.3	0.4	1.0	6.7	0.89	1.21	0.22	42	0.07	0.057

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Project: PRL-13523-YT
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Part: 2 of 1

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Method	Analyte	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
K948152	Soil	13.3	23.9	0.31	356.7	0.012	2	1.13	0.002	0.06	0.3	1.8	0.13	<0.02	<5	<0.1	0.09	4.3
K948154	Soil	19.2	24.4	0.70	477.1	0.015	3	1.18	0.009	0.17	0.2	3.2	0.19	<0.02	147	0.9	0.29	3.0
K948158	Soil	12.6	19.0	0.33	316.2	0.012	<1	0.82	0.002	0.09	0.3	1.9	0.11	<0.02	8	<0.1	0.15	2.5
K948159	Soil	12.9	12.8	2.84	353.4	0.008	3	0.76	0.019	0.09	<0.1	3.1	0.12	0.05	252	0.1	0.08	1.8
K948160	Soil	13.7	31.1	0.98	510.7	0.026	2	1.28	0.029	0.18	0.2	3.4	0.25	0.49	238	<0.1	0.14	3.5
K948161	Soil	13.6	19.9	0.38	308.1	0.008	1	0.96	0.003	0.07	0.2	1.8	0.13	<0.02	26	<0.1	0.11	2.4
K948162	Soil	11.6	17.7	0.34	271.6	0.010	3	0.81	0.007	0.09	0.2	2.2	0.10	<0.02	33	<0.1	0.04	2.5
K948163	Soil	5.0	7.1	0.29	156.1	0.004	2	0.68	0.010	0.02	<0.1	2.9	0.02	0.02	<5	<0.1	0.20	1.8
K948164	Soil	10.3	20.2	0.56	232.1	0.008	3	1.04	0.010	0.08	<0.1	2.8	0.11	0.05	78	1.9	0.18	2.8
K948165	Soil	4.5	19.7	0.62	160.6	0.003	5	1.02	0.008	0.04	<0.1	2.5	0.06	0.10	225	2.4	<0.02	2.5
K948166	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.
K948167	Soil	14.1	22.0	0.51	341.7	0.009	2	1.14	0.003	0.10	0.3	2.6	0.11	0.03	32	2.3	<0.02	3.6
K948168	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.
K948169	Soil	16.8	21.2	0.43	344.5	0.012	2	0.92	0.008	0.11	0.2	2.8	0.11	0.02	69	0.2	0.07	2.8
K948170	Soil	13.6	19.3	0.33	422.2	0.011	3	1.09	0.009	0.08	0.2	3.4	0.20	0.02	26	0.8	0.24	3.0
K948171	Soil	15.0	19.8	0.45	366.3	0.021	2	0.71	0.005	0.06	0.2	2.5	0.10	<0.02	98	1.2	0.06	2.1
K948173	Soil	16.1	20.7	0.39	261.6	0.011	1	0.80	0.004	0.06	0.2	2.5	0.10	<0.02	203	1.1	0.09	2.6
K948174	Soil	17.1	30.6	0.40	381.4	0.011	1	1.11	0.002	0.05	0.1	2.0	0.09	<0.02	49	<0.1	0.05	2.9
K948175	Soil	19.8	30.1	0.54	319.1	0.009	2	1.33	0.001	0.07	0.1	2.2	0.10	<0.02	31	0.3	0.15	3.3
K948176	Soil	19.1	18.6	0.35	365.6	0.007	<1	1.08	0.001	0.09	0.1	1.7	0.09	<0.02	14	<0.1	<0.02	2.7
K948177	Soil	24.9	22.9	0.54	289.7	0.011	2	1.24	0.006	0.16	<0.1	2.7	0.14	<0.02	119	0.2	<0.02	3.6
K948178	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.
K948179	Soil	13.2	18.9	0.82	510.1	0.016	5	0.90	0.010	0.18	0.2	2.7	0.18	0.03	348	0.8	0.06	2.9
K948180	Soil	21.5	22.4	0.54	336.9	0.018	3	1.12	0.012	0.11	0.1	4.9	0.22	<0.02	161	1.6	<0.02	3.2
L859051	Soil	14.6	27.8	0.69	608.4	0.019	3	1.06	0.012	0.21	0.1	3.0	0.17	0.03	234	<0.1	<0.02	3.1
L859052	Soil	17.2	28.2	0.44	402.7	0.014	2	1.17	0.003	0.10	0.2	2.1	0.17	<0.02	21	<0.1	<0.02	3.9
L859055	Soil	19.8	24.8	0.46	647.0	0.012	1	1.19	0.005	0.09	0.1	2.5	0.11	<0.02	51	<0.1	<0.02	3.6
L859056	Soil	19.8	24.0	0.41	380.2	0.015	1	1.08	0.004	0.13	0.2	2.6	0.10	<0.02	76	0.7	<0.02	3.2
L859061	Soil	12.7	25.4	0.33	592.0	0.014	<1	1.33	0.007	0.08	0.2	2.5	0.13	<0.02	25	<0.1	0.06	4.9
L859062	Soil	11.9	19.6	0.23	188.5	0.011	<1	0.99	0.004	0.05	0.2	1.5	0.09	<0.02	49	<0.1	0.02	4.3

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Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
L859063	Soil	0.99	5.48	8.44	80.5	101	8.1	4.0	143	1.39	3.9	0.2	<0.2	0.5	6.0	0.59	0.75	0.14	35	0.07	0.028
L859064	Soil	1.52	17.50	10.84	51.4	56	25.0	6.4	137	1.94	10.0	0.4	0.7	3.4	10.0	0.06	1.43	0.15	37	0.11	0.019
L859065	Soil	1.30	15.59	10.21	57.0	100	22.5	6.1	136	2.03	14.2	0.5	8.9	3.6	16.0	0.19	1.46	0.34	29	0.15	0.077
L859066	Soil	1.22	16.44	10.98	41.6	105	19.4	4.4	97	1.49	9.9	0.3	3.8	2.5	11.0	0.11	1.01	0.20	27	0.13	0.018
L859067	Soil	1.19	13.06	10.34	53.1	97	19.5	5.9	119	1.88	10.8	0.3	3.9	3.1	14.9	0.18	0.99	0.18	37	0.14	0.023
L859071	Soil	1.12	18.69	11.90	82.8	194	26.5	5.7	217	1.88	8.7	0.6	3.5	3.1	19.1	0.21	0.99	0.22	42	0.20	0.083
L859072	Soil	0.34	3.95	4.86	13.4	100	2.6	0.5	22	0.30	1.4	0.3	5.3	<0.1	8.8	0.41	0.14	0.15	13	0.09	0.019
L859073	Soil	1.37	11.04	11.07	47.4	150	11.7	2.9	139	1.40	6.9	0.4	0.6	2.0	10.5	0.33	0.66	0.18	40	0.11	0.030
L859075	Soil	2.21	25.42	18.13	102.7	252	46.5	11.7	396	3.25	12.4	0.7	4.1	3.6	14.2	0.27	1.30	0.23	58	0.14	0.063
L859076	Soil	1.31	12.74	13.50	79.7	179	26.0	7.0	407	1.65	6.6	0.7	1.8	1.1	33.0	0.14	0.65	0.19	36	0.34	0.046
L859077	Soil	1.50	26.20	10.74	65.5	284	26.8	5.8	168	1.99	10.6	3.1	5.9	2.1	68.6	0.25	1.53	0.43	27	0.86	0.044
L859078	Soil	1.90	49.19	13.51	104.0	413	36.9	10.1	504	1.99	14.4	0.9	7.6	3.4	75.1	0.76	2.28	0.26	26	1.78	0.106
L859079	Soil	18.47	57.50	19.51	63.5	284	7.6	1.0	63	3.59	7.3	0.8	24.5	1.9	72.8	0.12	2.83	0.32	60	0.12	0.079
L859080	Soil	1.36	15.14	15.35	79.7	445	16.6	6.7	267	1.62	6.6	0.3	0.3	1.3	24.4	0.64	0.97	0.15	37	0.32	0.041
L859081	Soil	1.72	11.99	10.21	101.1	119	17.8	4.7	205	1.68	5.7	0.3	2.2	1.1	11.2	0.96	1.16	0.14	40	0.12	0.049
L859082	Soil	1.27	10.26	12.18	97.8	66	15.9	5.5	230	1.66	7.6	0.5	1.9	2.5	16.9	0.29	0.91	0.13	33	0.17	0.101
L859083	Soil	2.26	20.69	12.10	63.4	172	25.0	7.2	199	2.10	14.5	0.5	2.3	3.7	20.6	0.15	1.62	0.16	29	0.22	0.037
L859084	Soil	1.88	25.47	15.60	88.3	356	24.8	7.4	270	2.44	9.4	0.5	1.1	2.1	10.0	0.24	1.29	0.40	33	0.05	0.038
L859085	Soil	2.21	25.10	14.23	83.8	356	24.9	8.3	339	2.46	11.5	0.5	3.0	4.1	16.9	0.22	1.66	0.28	33	0.10	0.045
L859086	Soil	1.45	42.66	14.82	94.8	318	42.6	5.5	443	1.59	5.4	0.9	5.7	1.6	24.8	2.27	0.97	0.25	23	0.27	0.047
L859087	Soil	3.99	22.22	12.24	49.9	979	13.4	3.1	146	2.13	17.1	0.8	10.4	4.0	26.7	0.13	2.04	0.20	45	0.05	0.088
L859088	Soil	2.77	21.33	12.45	66.0	801	13.1	5.3	162	1.44	9.4	0.6	4.9	2.7	25.5	0.49	1.62	0.16	24	0.06	0.079
L859089	Soil	0.85	8.17	5.49	77.7	96	12.8	3.3	146	1.23	4.3	0.4	2.3	1.7	14.0	0.34	0.69	0.10	29	0.17	0.052
L859090	Soil	1.62	26.32	16.47	91.2	59	30.0	8.3	369	2.01	10.5	0.8	2.1	3.1	22.4	0.41	1.41	0.20	41	0.25	0.061
L859091	Soil	1.32	8.21	10.97	68.7	419	13.7	4.0	168	1.87	6.9	0.3	0.7	1.8	8.0	0.36	0.53	0.15	49	0.07	0.034
L859092	Soil	0.85	8.33	9.07	70.1	144	12.0	4.5	272	1.22	4.0	0.3	<0.2	0.7	13.5	0.89	0.46	0.13	28	0.17	0.052
L859093	Soil	1.32	12.42	8.35	63.1	104	16.2	5.0	286	1.42	5.4	0.6	2.2	1.0	17.3	0.74	0.60	0.14	34	0.22	0.036
L859094	Soil	0.82	19.38	10.26	55.0	125	18.5	4.2	163	1.53	5.9	0.7	4.0	2.2	18.2	0.22	0.86	0.12	24	0.18	0.084
L859095	Soil	1.20	9.34	8.13	46.4	61	10.1	2.6	85	0.97	6.0	0.4	1.1	1.0	13.5	0.28	0.92	0.14	25	0.12	0.066
L859097	Soil	0.78	6.29	7.93	58.6	135	11.8	4.1	157	1.29	6.0	0.7	2.3	2.6	32.4	0.14	0.63	0.09	24	0.47	0.096

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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Project: PRL-13523-YT
 Report Date: June 30, 2013

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CERTIFICATE OF ANALYSIS

WHI13000045.1

Method	Analyte	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
L859063	Soil	10.6	14.6	0.14	131.1	0.012	<1	0.69	0.003	0.05	0.1	1.0	0.09	<0.02	9	<0.1	<0.02	3.1
L859064	Soil	15.8	27.1	0.37	314.7	0.008	<1	1.20	0.003	0.07	0.1	2.2	0.13	<0.02	48	0.9	0.08	3.4
L859065	Soil	15.0	19.5	0.33	235.0	0.006	1	0.79	0.004	0.06	0.2	1.4	0.07	<0.02	36	0.8	0.07	2.1
L859066	Soil	12.4	17.6	0.30	252.6	0.008	2	0.75	0.004	0.05	0.1	1.4	0.07	<0.02	29	0.4	0.05	2.2
L859067	Soil	12.8	18.8	0.35	392.5	0.006	2	1.04	0.003	0.04	0.2	1.8	0.11	<0.02	17	0.3	0.02	2.8
L859071	Soil	17.1	23.4	0.45	402.8	0.009	2	1.19	0.005	0.11	0.2	1.9	0.13	<0.02	18	0.3	0.03	3.5
L859072	Soil	14.5	6.2	0.07	143.7	0.005	<1	0.36	0.003	0.04	0.1	0.2	0.06	<0.02	12	0.1	<0.02	2.0
L859073	Soil	16.0	16.0	0.25	389.7	0.009	<1	0.80	0.003	0.05	0.2	1.2	0.08	<0.02	22	<0.1	0.06	3.1
L859075	Soil	15.0	41.6	0.52	520.1	0.006	3	2.08	0.004	0.11	0.2	3.2	0.22	<0.02	49	0.5	0.05	4.7
L859076	Soil	14.5	28.5	0.44	478.8	0.007	3	1.00	0.006	0.09	0.1	1.5	0.10	<0.02	33	0.3	0.04	3.4
L859077	Soil	15.3	21.1	0.47	363.1	0.008	2	0.89	0.007	0.05	0.2	2.2	0.07	0.03	141	2.3	0.06	2.3
L859078	Soil	17.1	18.7	0.47	501.1	0.013	3	0.70	0.008	0.10	0.2	2.1	0.14	0.03	193	1.0	0.05	2.2
L859079	Soil	30.5	14.1	0.08	248.8	0.003	<1	0.42	0.009	0.19	<0.1	0.5	0.09	0.37	96	4.0	0.35	3.2
L859080	Soil	8.4	17.8	0.30	406.8	0.011	1	1.06	0.015	0.07	0.1	1.5	0.14	<0.02	52	0.4	0.03	3.8
L859081	Soil	13.7	19.7	0.22	199.2	0.012	1	0.74	0.005	0.08	0.2	1.2	0.11	<0.02	27	0.2	<0.02	3.8
L859082	Soil	14.1	16.1	0.32	248.6	0.009	2	0.73	0.002	0.07	0.1	1.1	0.08	<0.02	15	0.2	<0.02	2.5
L859083	Soil	19.4	19.6	0.37	237.6	0.006	1	0.93	0.004	0.08	0.1	1.5	0.11	<0.02	32	0.5	0.04	2.9
L859084	Soil	26.7	22.8	0.45	264.9	0.006	1	1.08	0.002	0.10	<0.1	1.3	0.05	<0.02	27	0.6	0.07	3.5
L859085	Soil	23.7	21.5	0.46	405.5	0.008	1	1.05	0.003	0.12	<0.1	1.7	0.12	<0.02	65	0.8	0.07	3.4
L859086	Soil	14.5	11.9	0.26	401.4	0.005	<1	0.86	0.011	0.09	<0.1	1.2	0.08	0.03	107	2.7	0.06	2.6
L859087	Soil	24.3	17.4	0.28	301.9	0.006	1	0.97	0.002	0.10	<0.1	1.3	0.12	0.06	87	1.5	0.13	3.0
L859088	Soil	23.5	10.6	0.19	223.6	0.007	2	0.48	0.004	0.10	<0.1	0.6	0.08	0.05	32	1.3	0.12	2.4
L859089	Soil	16.9	14.8	0.32	169.3	0.012	2	0.65	0.003	0.08	0.1	1.1	0.09	<0.02	15	0.1	<0.02	2.6
L859090	Soil	20.2	26.5	0.45	435.5	0.011	2	1.14	0.005	0.12	0.2	2.5	0.11	<0.02	65	0.5	0.02	3.3
L859091	Soil	15.3	18.8	0.31	369.8	0.010	<1	1.19	0.004	0.06	0.2	1.4	0.10	<0.02	17	0.3	0.04	4.4
L859092	Soil	14.2	17.2	0.30	263.3	0.010	2	0.70	0.007	0.09	0.1	0.9	0.07	<0.02	24	0.2	<0.02	2.9
L859093	Soil	15.2	25.1	0.36	495.9	0.010	2	0.89	0.004	0.08	0.2	1.4	0.07	<0.02	37	<0.1	<0.02	3.2
L859094	Soil	23.9	20.6	0.37	261.5	0.007	2	0.83	0.002	0.06	<0.1	1.1	0.08	<0.02	54	0.3	0.02	2.5
L859095	Soil	16.4	9.7	0.13	127.1	0.011	1	0.38	0.002	0.06	0.2	0.6	0.06	<0.02	11	0.3	0.02	2.2
L859097	Soil	13.0	16.3	0.34	168.0	0.012	2	0.58	0.004	0.05	0.1	1.2	0.06	<0.02	42	0.2	<0.02	2.0

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Project: PRL-13523-YT
 Report Date: June 30, 2013

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CERTIFICATE OF ANALYSIS

WHI13000045.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
K948181	Soil	0.15	32.33	9.93	96.1	294	23.8	4.2	316	1.15	3.0	0.9	7.0	1.9	199.6	1.43	0.61	0.14	23	14.75	0.079
K948182	Soil	1.27	38.94	22.08	100.3	304	33.5	9.9	581	3.01	8.9	2.1	3.4	10.1	41.9	0.60	1.24	0.17	56	0.61	0.071
K948184	Soil	1.37	23.08	30.09	100.3	475	31.9	8.5	548	2.29	11.3	1.1	3.6	5.0	53.5	0.60	1.25	0.19	53	0.93	0.042
K948186	Soil	0.79	29.56	17.70	44.0	302	10.5	7.0	222	1.83	14.6	0.7	12.7	4.1	79.4	0.10	1.31	0.21	3	0.82	0.050
K948187	Soil	1.82	52.30	16.35	118.6	367	35.7	12.1	1251	2.10	7.1	1.6	5.2	1.0	55.8	0.81	1.05	0.29	40	0.83	0.065
L859058	Soil	1.07	34.19	12.53	91.0	375	38.0	8.6	311	2.01	8.5	0.9	6.0	4.4	28.4	0.46	1.14	0.21	34	0.50	0.084
L859059	Soil	1.81	53.90	32.64	169.9	791	52.6	16.6	1019	3.03	19.9	0.8	6.0	3.5	61.5	1.58	2.37	0.38	44	1.09	0.098



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Project: PRL-13523-YT

Report Date: June 30, 2013

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CERTIFICATE OF ANALYSIS

WHI1300045.1

Method	Analyte	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	5	0.1	0.02	0.1	
K948181	Soil	7.1	17.7	0.49	247.5	0.017	4	0.79	0.013	0.07	0.1	2.0	0.08	0.14	95	1.1	<0.02	2.0
K948182	Soil	26.5	29.1	0.69	469.2	0.096	7	1.49	0.013	0.18	0.2	6.2	0.20	0.02	109	1.0	0.03	5.5
K948184	Soil	18.2	30.6	0.67	319.8	0.031	4	1.75	0.058	0.09	0.2	5.9	0.16	0.02	77	1.2	<0.02	4.9
K948186	Soil	13.5	3.4	0.24	127.5	<0.001	2	0.44	0.003	0.09	<0.1	1.8	0.04	0.04	78	0.5	<0.02	0.7
K948187	Soil	16.1	32.7	0.37	658.2	0.009	2	1.12	0.007	0.06	0.2	2.4	0.12	0.03	70	1.1	0.04	3.7
L859058	Soil	20.4	29.5	0.48	489.0	0.013	4	1.00	0.004	0.08	0.2	3.3	0.09	<0.02	175	0.4	0.04	2.8
L859059	Soil	21.9	30.8	0.58	521.3	0.030	5	1.23	0.027	0.17	0.2	5.0	0.24	0.04	195	1.0	0.08	4.0

QUALITY CONTROL REPORT

WHI13000045.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
Pulp Duplicates																					
K948173	Soil	1.62	36.56	10.27	110.2	603	28.3	7.0	339	1.87	9.0	1.0	5.3	2.2	29.7	0.57	1.20	0.18	29	0.46	0.079
REP K948173	QC	1.74	37.76	10.19	111.7	631	29.3	7.3	348	1.87	9.5	1.0	10.2	2.3	29.5	0.69	1.21	0.18	29	0.47	0.080
K948174	Soil	1.19	26.90	11.89	65.4	86	34.7	7.2	223	1.87	8.8	0.5	5.3	3.9	9.8	0.16	1.21	0.16	32	0.09	0.025
REP K948174	QC	1.21	26.58	11.36	65.0	80	33.5	7.5	227	1.91	8.2	0.5	1.1	4.0	9.7	0.18	1.13	0.14	34	0.10	0.024
L859086	Soil	1.45	42.66	14.82	94.8	318	42.6	5.5	443	1.59	5.4	0.9	5.7	1.6	24.8	2.27	0.97	0.25	23	0.27	0.047
REP L859086	QC	1.54	43.75	15.16	100.4	321	42.8	5.5	436	1.59	5.3	0.9	1.6	1.9	24.5	2.32	1.10	0.23	23	0.28	0.045
Reference Materials																					
STD DS11	Standard	14.11	151.9	143.0	342.7	1896	77.3	13.3	1012	3.11	44.3	2.5	90.8	7.4	72.4	2.26	9.28	11.31	48	1.04	0.069
STD DS11	Standard	12.49	142.3	132.6	321.9	1659	77.6	13.0	945	2.89	40.3	2.3	72.3	7.2	62.0	2.23	8.71	11.49	44	0.96	0.064
STD DS11	Standard	12.78	145.7	137.2	335.6	1869	75.4	13.5	993	2.90	42.6	2.4	88.0	7.1	58.4	2.27	8.85	12.13	44	0.96	0.070
STD DS11	Standard	14.56	156.1	144.8	345.1	1910	83.5	14.1	1029	3.15	41.5	2.5	99.6	7.2	63.1	2.25	9.08	12.37	48	1.05	0.069
STD DS9	Standard	12.27	106.2	136.5	318.8	1809	38.9	7.4	584	2.32	26.2	2.8	123.0	6.0	76.2	2.40	6.51	6.52	40	0.71	0.081
STD DS9	Standard	12.85	106.0	127.0	301.4	1776	41.0	7.1	586	2.20	24.3	2.7	108.0	6.3	71.1	2.13	6.03	6.74	37	0.70	0.078
STD DS9	Standard	11.86	109.3	133.6	335.7	1940	39.1	7.7	570	2.19	25.5	2.8	128.8	6.2	62.2	2.49	6.05	7.48	36	0.66	0.090
STD DS9	Standard	13.60	114.5	141.0	326.8	1877	41.4	7.7	605	2.38	25.0	2.9	117.4	6.5	68.3	2.46	5.96	7.47	39	0.73	0.085
STD DS9 Expected		12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.03	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

QUALITY CONTROL REPORT

WHI13000045.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
Pulp Duplicates																			
K948173	Soil	16.1	20.7	0.39	261.6	0.011	1	0.80	0.004	0.06	0.2	2.5	0.10	<0.02	203	1.1	0.09	2.6	
REP K948173	QC	16.0	21.5	0.40	279.4	0.012	1	0.80	0.004	0.06	0.2	2.4	0.10	<0.02	193	1.2	0.05	2.6	
K948174	Soil	17.1	30.6	0.40	381.4	0.011	1	1.11	0.002	0.05	0.1	2.0	0.09	<0.02	49	<0.1	0.05	2.9	
REP K948174	QC	17.7	31.0	0.42	385.5	0.012	1	1.15	0.002	0.06	0.1	2.1	0.13	<0.02	55	<0.1	0.05	3.0	
L859086	Soil	14.5	11.9	0.26	401.4	0.005	<1	0.86	0.011	0.09	<0.1	1.2	0.08	0.03	107	2.7	0.06	2.6	
REP L859086	QC	15.2	11.7	0.26	427.8	0.007	4	0.84	0.011	0.11	0.1	1.0	0.09	0.03	108	2.0	0.05	2.8	
Reference Materials																			
STD DS11	Standard	17.6	56.5	0.84	350.2	0.091	8	1.12	0.070	0.39	2.9	2.9	4.90	0.28	297	2.1	4.72	4.7	
STD DS11	Standard	16.9	54.9	0.78	333.4	0.089	7	1.06	0.064	0.37	3.1	3.0	4.37	0.26	246	1.4	4.35	4.8	
STD DS11	Standard	15.7	59.4	0.78	359.3	0.079	7	1.00	0.061	0.37	3.1	2.7	4.61	0.27	262	2.1	4.66	4.4	
STD DS11	Standard	17.5	58.7	0.85	371.0	0.090	5	1.13	0.070	0.41	3.1	3.1	4.58	0.29	279	2.6	5.24	5.0	
STD DS9	Standard	14.0	112.8	0.61	300.0	0.115	4	0.95	0.086	0.39	2.9	2.3	5.37	0.17	200	5.4	5.07	4.6	
STD DS9	Standard	13.9	116.3	0.58	285.1	0.112	2	0.89	0.082	0.38	2.8	2.5	5.26	0.16	195	4.8	5.12	4.5	
STD DS9	Standard	11.5	118.9	0.58	304.5	0.098	3	0.85	0.074	0.38	3.2	2.1	5.51	0.16	217	5.3	5.53	4.2	
STD DS9	Standard	13.7	118.9	0.62	311.4	0.116	3	0.97	0.094	0.42	3.3	2.4	5.38	0.17	226	6.2	5.47	4.7	
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59	
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank	<0.5	0.6	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	10	<0.1	<0.02	<0.1	