



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

[www.acmelab.com](http://www.acmelab.com)

**Client:** Underworld Resources, Inc.  
1500 - 409 Granville Street  
Vancouver BC V6C 1T2 Canada

Submitted By: Rob McLeod  
Receiving Lab: Canada-Vancouver  
Received: August 28, 2009  
Report Date: September 15, 2009  
Page: 1 of 3

## CERTIFICATE OF ANALYSIS

VAN09003911.1

### CLIENT JOB INFORMATION

Project: WHT  
Shipment ID:  
P.O. Number  
Number of Samples: 60

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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: Underworld Resources, Inc.  
1500 - 409 Granville Street  
Vancouver BC V6C 1T2  
Canada

CC: Jodie Gibson  
Adrian Fleming

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	60	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	60	Dry at 60C			VAN
1DX2	60	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
Split Reject	60	Reject sample split/packet			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.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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## CERTIFICATE OF ANALYSIS

VAN09003911.1

	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	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	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
48443	Soil																							
51528	Soil																							
51544	Soil																							
51635	Soil																							
51834	Soil																							
53052	Soil																							
53296	Soil																							
53393	Soil																							
53394	Soil																							
53399	Soil																							
53405	Soil																							
53406	Soil																							
53407	Soil																							
53418	Soil																							
53435	Soil																							
53436	Soil																							
53437	Soil																							
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**Page:** 2 of 3 **Part** 2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	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
48443	Soil	14	171	1.50	166	0.065	<1	1.90	0.011	0.09	0.1	0.03	7.2	<0.1	<0.05	5	0.9
51528	Soil	31	55	0.34	655	0.033	2	1.15	0.009	0.18	<0.1	0.09	7.3	0.1	<0.05	4	1.4
51544	Soil	6	73	0.98	218	0.120	1	1.67	0.016	0.10	<0.1	<0.01	3.5	<0.1	<0.05	6	<0.5
51635	Soil	14	27	0.48	399	0.044	2	1.19	0.017	0.06	0.3	0.05	3.2	0.1	<0.05	3	0.7
51834	Soil	13	29	0.56	285	0.062	1	1.05	0.025	0.09	0.3	0.04	3.0	0.1	<0.05	4	1.3
53052	Soil	7	41	1.14	330	0.098	<1	1.91	0.021	0.15	<0.1	0.02	5.6	<0.1	<0.05	6	<0.5
53296	Soil	22	30	0.53	229	0.074	2	1.36	0.024	0.06	0.2	0.04	3.0	<0.1	<0.05	5	0.6
53393	Soil	22	66	0.70	407	0.073	2	1.79	0.015	0.19	<0.1	0.04	7.2	0.1	<0.05	5	<0.5
53394	Soil	15	62	0.66	441	0.101	1	1.81	0.016	0.20	0.1	0.01	5.5	<0.1	<0.05	6	0.9
53399	Soil	13	40	0.75	470	0.091	2	1.37	0.031	0.13	0.2	0.04	3.9	0.2	<0.05	4	0.7
53405	Soil	18	31	0.56	310	0.077	<1	1.10	0.015	0.54	<0.1	0.01	2.6	0.5	0.23	4	1.8
53406	Soil	15	38	0.48	301	0.068	3	1.35	0.013	0.10	0.2	0.04	4.5	<0.1	<0.05	4	1.1
53407	Soil	15	35	0.50	491	0.092	<1	1.47	0.009	0.27	0.1	<0.01	2.3	0.2	<0.05	6	0.6
53418	Soil	12	163	1.65	892	0.215	1	2.50	0.018	1.09	0.1	<0.01	4.5	0.4	<0.05	8	<0.5
53435	Soil	5	114	1.45	363	0.133	<1	1.90	0.014	0.18	<0.1	<0.01	3.3	<0.1	<0.05	6	<0.5
53436	Soil	5	97	0.93	258	0.111	<1	1.91	0.018	0.09	<0.1	0.01	4.1	<0.1	<0.05	5	<0.5
53437	Soil	5	116	1.23	255	0.097	1	1.94	0.014	0.05	0.1	0.01	4.1	<0.1	<0.05	6	<0.5
53439	Soil	9	70	0.81	298	0.111	<1	1.62	0.016	0.06	0.1	0.02	4.4	<0.1	<0.05	5	<0.5
53440	Soil	7	59	0.77	198	0.099	<1	1.66	0.017	0.05	<0.1	0.02	3.8	<0.1	<0.05	5	<0.5
53441	Soil	7	89	0.93	267	0.108	<1	1.61	0.019	0.10	<0.1	0.04	5.2	<0.1	<0.05	5	<0.5
53442	Soil	8	123	1.19	433	0.155	<1	1.87	0.017	0.47	0.1	0.01	3.2	0.2	<0.05	5	<0.5
53443	Soil	12	110	1.20	427	0.152	<1	2.12	0.015	0.44	<0.1	0.03	3.9	0.2	<0.05	7	<0.5
53444	Soil	13	164	1.14	332	0.124	<1	1.84	0.012	0.18	0.2	0.04	3.3	0.1	<0.05	6	<0.5
53445	Soil	14	134	1.20	396	0.156	<1	2.07	0.013	0.39	0.1	0.02	2.7	0.2	<0.05	7	<0.5
53451	Soil	16	92	1.01	502	0.129	<1	1.89	0.016	0.24	0.1	0.03	3.2	0.2	<0.05	6	<0.5
53452	Soil	20	73	0.97	453	0.130	1	1.97	0.015	0.34	0.1	0.03	3.2	0.3	<0.05	6	<0.5
53453	Soil	19	57	0.76	351	0.106	<1	1.66	0.013	0.21	0.1	0.03	2.8	0.2	<0.05	6	<0.5
53454	Soil	17	36	0.53	307	0.066	1	1.68	0.013	0.04	0.2	0.03	2.9	<0.1	<0.05	5	0.5
53455	Soil	23	33	0.50	316	0.083	<1	1.68	0.014	0.11	0.1	0.03	3.2	0.1	<0.05	6	<0.5
53456	Soil	16	51	0.56	331	0.062	1	1.71	0.012	0.17	<0.1	0.03	3.7	0.2	<0.05	6	0.9



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	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	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
53457	Soil	1.1	51.8	4.8	95	<0.1	48.6	20.4	538	3.56	4.6	0.6	4.3	1.6	18	0.3	0.2	0.1	98	0.39	0.085
53458	Soil	0.7	32.9	6.6	60	0.2	47.4	14.0	357	3.09	5.3	0.9	3.3	3.0	22	<0.1	0.3	0.1	71	0.44	0.059
53637	Soil	1.0	24.9	5.7	61	<0.1	30.5	11.2	258	2.92	5.0	0.7	0.8	3.2	21	<0.1	0.2	<0.1	78	0.31	0.060
53981	Soil	0.4	100.1	4.9	61	<0.1	24.8	15.7	353	2.81	3.2	0.5	5.4	2.3	25	<0.1	0.2	<0.1	87	0.40	0.054
53984	Soil	0.9	140.0	6.1	56	<0.1	23.3	14.2	334	3.03	5.5	0.5	4.0	1.5	27	<0.1	0.3	0.1	98	0.36	0.052
53985	Soil	0.6	80.2	4.3	49	<0.1	26.0	13.2	296	2.80	4.4	0.3	6.1	1.7	22	<0.1	0.3	<0.1	91	0.32	0.038
53986	Soil	0.5	83.0	4.2	50	<0.1	25.4	13.4	287	2.76	4.4	0.4	2.5	1.5	22	0.1	0.2	<0.1	90	0.31	0.037
54547	Soil	0.8	24.6	6.5	62	<0.1	23.6	9.0	266	2.64	18.2	0.9	4.6	3.8	25	0.1	0.8	<0.1	54	0.40	0.059
54698	Soil	0.5	97.3	2.4	42	<0.1	36.6	16.7	342	2.74	3.3	0.6	1.4	2.0	19	<0.1	0.2	<0.1	77	0.42	0.058
54699	Soil	0.6	80.5	4.6	40	<0.1	41.5	12.3	396	2.35	4.5	0.7	3.8	2.1	30	<0.1	0.3	<0.1	61	0.61	0.060
54701	Soil	0.9	24.4	5.4	64	<0.1	36.5	13.5	300	2.66	5.1	0.8	0.8	2.9	19	<0.1	0.2	0.1	69	0.31	0.079
54702	Soil	1.0	27.6	7.9	83	0.1	37.0	13.2	381	3.15	4.2	1.0	0.9	3.2	18	0.1	0.1	<0.1	77	0.30	0.081
54703	Soil	1.1	30.3	6.7	79	<0.1	37.5	15.3	523	3.07	6.0	1.2	1.8	3.9	28	0.3	0.3	0.1	72	0.40	0.071
54704	Soil	1.3	23.4	7.5	74	<0.1	29.2	12.5	474	2.90	6.0	0.8	1.1	3.6	19	0.1	0.2	0.1	79	0.28	0.073
54705	Soil	1.2	16.5	13.7	54	<0.1	15.3	10.1	473	2.40	6.7	1.3	1.5	1.6	16	0.1	0.2	0.2	67	0.18	0.056
54706	Soil	0.9	15.3	13.0	61	<0.1	14.9	7.3	227	2.21	5.8	1.5	2.0	3.4	21	0.1	0.3	0.2	50	0.26	0.053
54707	Soil	1.5	27.9	10.1	78	0.1	25.0	14.8	655	2.82	8.8	1.3	0.9	2.3	21	0.4	0.4	0.2	56	0.28	0.065
54708	Soil	2.4	18.6	4.2	65	0.1	17.7	6.0	193	2.08	4.0	0.5	12.1	1.8	15	0.2	0.2	<0.1	43	0.24	0.069
54709	Soil	1.8	17.9	8.9	64	0.1	19.0	8.5	416	2.80	9.7	0.9	1.6	2.5	20	0.2	0.4	0.1	67	0.35	0.076
54710	Soil	1.9	24.5	8.4	97	0.1	34.9	21.0	760	4.00	6.9	1.1	3.9	5.0	21	0.1	0.3	0.3	71	0.49	0.111
54801	Soil	2.0	48.0	4.4	68	0.6	28.7	8.6	654	1.61	2.1	2.0	2.4	1.7	72	0.8	0.3	<0.1	45	1.04	0.091
54821	Soil	1.0	23.7	7.8	58	0.2	23.0	11.6	321	2.86	10.0	1.2	4.8	3.7	33	0.1	0.5	0.1	62	0.44	0.055
54825	Soil	1.5	33.0	6.3	81	0.1	27.7	9.4	245	2.71	7.3	1.0	3.1	1.8	27	0.3	0.3	0.1	75	0.31	0.071
54826	Soil	1.6	24.4	8.7	71	<0.1	26.1	13.3	490	3.25	9.3	0.6	4.3	3.6	18	0.2	0.5	0.1	75	0.24	0.056
54899	Soil	1.0	39.0	6.3	81	<0.1	45.4	16.7	374	3.92	7.5	0.8	1.5	6.3	26	0.1	0.2	<0.1	86	0.41	0.102
54995	Soil	0.4	111.6	3.4	85	<0.1	203.4	39.7	1447	6.51	2.6	0.4	0.6	1.5	24	<0.1	0.2	<0.1	185	0.42	0.039
54999	Soil	0.5	47.7	5.3	46	<0.1	29.5	11.8	215	2.72	4.8	0.5	4.2	1.6	18	<0.1	0.3	<0.1	79	0.29	0.047
59711	Soil	0.9	22.8	8.5	78	<0.1	26.3	11.3	337	3.34	8.1	0.7	<0.5	4.2	23	0.1	0.5	0.1	64	0.29	0.049
59717	Soil	2.6	39.5	17.4	123	1.0	95.4	19.4	2085	4.84	94.2	1.0	33.1	2.6	73	0.5	1.2	0.2	33	4.80	0.163
59718	Soil	1.0	27.7	8.2	66	0.1	32.2	12.4	407	2.96	9.8	0.5	0.9	4.9	24	0.2	0.5	0.2	70	0.38	0.045



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	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
53457	Soil	10	82	1.13	424	0.149	<1	2.09	0.014	0.54	0.1	0.02	4.1	0.3	<0.05	7	<0.5
53458	Soil	13	108	0.72	716	0.068	<1	1.73	0.015	0.07	0.1	0.04	7.0	0.1	<0.05	5	<0.5
53637	Soil	11	73	0.82	313	0.141	<1	1.69	0.013	0.22	<0.1	<0.01	2.5	0.1	<0.05	6	<0.5
53981	Soil	9	34	0.97	268	0.161	<1	2.08	0.019	0.11	<0.1	<0.01	2.8	<0.1	<0.05	6	<0.5
53984	Soil	7	36	0.75	138	0.142	1	2.28	0.024	0.05	0.1	0.03	3.2	<0.1	<0.05	7	<0.5
53985	Soil	6	53	0.87	128	0.139	<1	2.05	0.021	0.04	<0.1	<0.01	2.7	<0.1	<0.05	6	<0.5
53986	Soil	6	54	0.88	125	0.136	1	2.04	0.020	0.04	0.1	0.01	2.7	<0.1	<0.05	7	<0.5
54547	Soil	14	41	0.51	484	0.089	<1	1.46	0.016	0.10	<0.1	0.02	4.6	<0.1	<0.05	5	0.7
54698	Soil	6	72	0.88	254	0.108	<1	1.46	0.019	0.21	<0.1	0.04	5.2	<0.1	<0.05	5	<0.5
54699	Soil	9	72	0.87	360	0.092	2	1.45	0.021	0.12	0.1	0.04	4.3	<0.1	<0.05	5	<0.5
54701	Soil	11	104	0.98	246	0.108	1	1.79	0.013	0.17	0.1	0.04	3.0	0.1	<0.05	6	<0.5
54702	Soil	15	92	1.09	404	0.136	1	1.94	0.012	0.42	0.1	0.02	3.0	0.2	<0.05	7	<0.5
54703	Soil	15	69	0.88	485	0.102	<1	1.74	0.016	0.12	0.1	0.03	3.4	0.1	<0.05	6	<0.5
54704	Soil	19	55	0.76	313	0.107	1	1.70	0.012	0.20	0.1	0.02	2.6	0.2	<0.05	6	0.5
54705	Soil	17	31	0.41	217	0.050	1	1.25	0.012	0.07	0.1	0.05	2.0	<0.1	<0.05	5	<0.5
54706	Soil	19	27	0.43	371	0.045	2	1.33	0.011	0.07	0.1	0.04	2.9	0.1	<0.05	5	<0.5
54707	Soil	17	34	0.44	402	0.037	1	1.41	0.012	0.09	0.1	0.05	3.5	0.1	<0.05	5	<0.5
54708	Soil	8	40	0.50	244	0.070	2	1.07	0.012	0.20	0.1	0.02	2.3	0.1	<0.05	4	<0.5
54709	Soil	12	47	0.52	460	0.049	2	1.15	0.014	0.09	0.1	0.08	3.5	<0.1	<0.05	4	0.8
54710	Soil	10	41	0.93	435	0.131	2	1.74	0.013	0.36	0.1	0.02	5.3	0.2	<0.05	5	<0.5
54801	Soil	37	33	0.55	1059	0.048	3	1.06	0.024	0.20	<0.1	0.10	3.5	0.1	0.08	4	1.6
54821	Soil	19	43	0.58	553	0.088	<1	1.83	0.017	0.07	0.2	0.04	4.1	0.1	<0.05	6	<0.5
54825	Soil	11	42	0.59	334	0.087	<1	1.60	0.013	0.16	0.1	0.02	2.7	0.1	<0.05	6	<0.5
54826	Soil	10	43	0.63	285	0.114	<1	1.77	0.012	0.27	0.1	0.02	3.1	0.2	<0.05	6	<0.5
54899	Soil	14	81	1.15	560	0.142	<1	2.47	0.013	0.44	0.1	0.01	3.7	0.3	<0.05	8	<0.5
54995	Soil	7	501	3.85	362	0.037	5	4.21	0.007	0.10	<0.1	0.05	19.8	0.1	<0.05	12	<0.5
54999	Soil	6	64	0.78	162	0.096	1	1.74	0.019	0.04	<0.1	0.03	3.7	<0.1	<0.05	6	<0.5
59711	Soil	15	37	0.59	690	0.087	<1	1.83	0.012	0.23	0.1	0.02	4.8	0.2	<0.05	6	<0.5
59717	Soil	10	24	0.58	403	0.003	8	0.54	0.007	0.17	<0.1	0.31	5.0	<0.1	<0.05	2	2.4
59718	Soil	15	41	0.57	276	0.086	2	1.45	0.015	0.36	0.1	0.01	5.0	0.1	<0.05	5	<0.5



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Report Date: September 15, 2009

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## QUALITY CONTROL REPORT

VAN09003911.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	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	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
51528	Soil	2.0	46.6	16.7	94	0.3	57.6	13.8	486	3.52	6.3	1.4	6.6	4.1	30	0.2	0.8	0.1	68	0.58	0.044
REP 51528	QC	1.9	49.1	16.3	91	0.3	57.4	14.5	510	3.47	6.9	1.4	6.7	4.1	29	0.3	0.7	0.1	64	0.59	0.045
53441	Soil	0.5	58.6	4.5	54	<0.1	37.2	15.6	415	2.99	3.2	0.5	4.5	1.9	21	<0.1	0.2	<0.1	93	0.49	0.069
REP 53441	QC	0.6	54.5	4.3	55	<0.1	38.1	15.4	404	2.99	3.3	0.4	2.3	1.9	22	<0.1	0.2	<0.1	94	0.48	0.066
53444	Soil	0.8	26.3	5.5	66	0.1	47.7	14.7	309	2.91	4.6	1.1	1.2	2.9	25	0.1	0.2	<0.1	76	0.36	0.059
REP 53444	QC	0.8	26.0	5.2	65	0.1	46.0	14.4	308	2.81	4.5	1.0	1.9	3.1	24	0.1	0.2	<0.1	76	0.37	0.067
54701	Soil	0.9	24.4	5.4	64	<0.1	36.5	13.5	300	2.66	5.1	0.8	0.8	2.9	19	<0.1	0.2	0.1	69	0.31	0.079
REP 54701	QC	0.8	24.7	5.3	62	0.1	35.8	14.0	307	2.69	5.0	0.7	1.1	2.7	20	0.1	0.2	0.1	70	0.32	0.078
59718	Soil	1.0	27.7	8.2	66	0.1	32.2	12.4	407	2.96	9.8	0.5	0.9	4.9	24	0.2	0.5	0.2	70	0.38	0.045
REP 59718	QC	1.0	28.6	8.0	69	0.2	32.0	12.7	413	2.95	9.9	0.5	<0.5	4.7	24	0.2	0.5	0.1	68	0.36	0.046
Reference Materials																					
STD DS7	Standard	20.0	111.4	66.5	385	0.8	56.7	9.4	607	2.30	48.5	4.8	71.5	4.3	62	6.2	5.0	3.9	87	0.91	0.071
STD DS7	Standard	21.2	112.6	66.9	420	0.8	57.7	10.3	631	2.43	54.1	4.9	62.4	4.4	70	6.1	5.9	4.4	88	0.94	0.084
STD DS7	Standard	22.0	122.9	69.6	435	0.9	66.9	10.6	654	2.59	52.1	4.8	62.8	4.3	69	6.1	5.9	4.4	97	1.03	0.083
STD DS7	Standard	21.2	124.6	70.2	418	0.9	63.5	9.9	671	2.50	51.5	5.0	62.7	5.1	79	6.3	6.1	5.0	92	0.99	0.078
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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## QUALITY CONTROL REPORT

VAN09003911.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	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
Pulp Duplicates																	
51528	Soil	31	55	0.34	655	0.033	2	1.15	0.009	0.18	<0.1	0.09	7.3	0.1	<0.05	4	1.4
REP 51528	QC	30	56	0.34	650	0.035	<1	1.17	0.010	0.17	<0.1	0.08	7.3	0.1	0.11	5	1.6
53441	Soil	7	89	0.93	267	0.108	<1	1.61	0.019	0.10	<0.1	0.04	5.2	<0.1	<0.05	5	<0.5
REP 53441	QC	7	86	0.92	273	0.105	<1	1.50	0.019	0.10	<0.1	0.04	5.4	<0.1	<0.05	6	<0.5
53444	Soil	13	164	1.14	332	0.124	<1	1.84	0.012	0.18	0.2	0.04	3.3	0.1	<0.05	6	<0.5
REP 53444	QC	12	165	1.15	322	0.126	1	1.92	0.014	0.18	0.1	0.04	3.2	0.1	<0.05	6	<0.5
54701	Soil	11	104	0.98	246	0.108	1	1.79	0.013	0.17	0.1	0.04	3.0	0.1	<0.05	6	<0.5
REP 54701	QC	11	108	0.99	245	0.109	<1	1.82	0.014	0.17	0.1	0.04	3.3	0.1	<0.05	6	<0.5
59718	Soil	15	41	0.57	276	0.086	2	1.45	0.015	0.36	0.1	0.01	5.0	0.1	<0.05	5	<0.5
REP 59718	QC	15	45	0.55	270	0.086	2	1.50	0.015	0.37	0.2	0.02	5.0	0.1	<0.05	5	<0.5
Reference Materials																	
STD DS7	Standard	12	181	0.97	376	0.124	36	0.84	0.060	0.40	3.9	0.18	2.3	4.0	0.22	4	4.6
STD DS7	Standard	12	185	1.00	396	0.122	43	0.98	0.090	0.42	3.9	0.18	2.2	4.2	0.18	5	3.8
STD DS7	Standard	12	207	1.03	380	0.131	42	1.00	0.082	0.45	4.3	0.18	2.2	4.2	0.20	5	3.9
STD DS7	Standard	14	201	1.10	431	0.138	41	1.11	0.101	0.48	4.2	0.19	2.6	4.3	0.22	5	4.4
STD DS7 Expected		12	179	1.05	370	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5
BLK	Blank	<1	<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
BLK	Blank	<1	<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
BLK	Blank	<1	<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
BLK	Blank	<1	<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