



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: Jodie Gibson  
Receiving Lab: Canada-Vancouver  
Received: July 30, 2009  
Report Date: August 08, 2009  
Page: 1 of 3

## CERTIFICATE OF ANALYSIS

VAN09003254.1

### CLIENT JOB INFORMATION

Project: WHITE  
Shipment ID: UW09-03  
P.O. Number  
Number of Samples: 51

### SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days  
DISP-RJT Dispose of Reject After 90 days

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: Rob McLeod  
Adrian Fleming

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	51	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	51	Dry at 60C			VAN
1DX15	51	1:1:1 Aqua Regia digestion ICP-MS analysis	15	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.  
\*\* 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

VAN09003254.1

		Method Analyte Unit MDL	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
YH169	Soil	0.7	31.6	12.0	56	0.2	49.1	15.8	796	3.20	13.3	1.5	1.9	3.8	41	0.1	0.9	0.2	73	0.57	0.067	
YH170	Soil	1.0	19.2	10.2	56	<0.1	37.9	11.1	245	3.31	12.5	0.7	2.1	3.7	16	<0.1	1.0	0.2	68	0.15	0.026	
YH171	Soil	1.0	18.0	10.4	51	<0.1	32.2	10.2	221	3.07	12.1	0.6	2.0	3.6	14	<0.1	1.0	0.2	60	0.13	0.024	
YH172	Soil	0.5	24.9	10.3	48	<0.1	244.4	18.8	290	2.60	8.9	1.1	1.2	2.4	22	<0.1	0.6	0.1	56	0.26	0.020	
YH173	Soil	0.3	43.0	4.3	33	<0.1	917.7	46.1	406	2.67	2.1	0.4	0.9	1.4	13	<0.1	0.1	0.1	44	0.17	0.015	
YH174	Soil	0.1	12.1	2.3	68	<0.1	332.3	41.0	373	4.12	0.7	0.2	0.7	1.2	62	<0.1	<0.1	<0.1	98	0.61	0.118	
YH175	Soil	1.0	20.5	9.1	45	<0.1	36.1	11.9	274	2.97	10.0	0.6	2.3	3.4	13	<0.1	0.6	0.2	59	0.12	0.021	
YH176	Soil	1.2	17.8	11.1	54	<0.1	23.7	12.0	339	3.26	10.1	0.7	3.3	3.1	13	<0.1	0.7	0.2	65	0.13	0.025	
YH177	Soil	0.9	17.7	30.6	41	<0.1	14.1	5.8	209	2.05	5.9	0.8	1.8	1.0	18	<0.1	0.4	0.3	56	0.18	0.033	
YH178	Soil	0.9	23.4	17.9	53	<0.1	22.8	10.0	357	2.70	6.1	1.2	2.3	3.2	21	0.1	0.4	0.3	60	0.27	0.038	
YH179	Soil	0.8	16.2	15.9	45	<0.1	18.6	6.9	192	2.63	7.3	0.5	1.4	2.3	27	<0.1	0.4	0.2	62	0.19	0.019	
YH180	Soil	0.8	20.5	13.0	49	0.1	22.1	10.1	244	3.02	10.1	0.8	2.3	4.0	16	<0.1	0.5	0.2	68	0.15	0.017	
YH181	Soil	0.5	13.0	35.4	43	<0.1	13.5	6.7	289	1.83	4.9	0.7	2.4	2.8	18	<0.1	0.4	0.3	44	0.22	0.028	
YH182	Soil	0.7	10.1	14.7	32	<0.1	9.7	4.3	115	1.93	6.9	0.5	1.2	1.5	14	<0.1	0.3	0.2	66	0.18	0.019	
YC141	Soil	0.8	13.0	6.3	81	<0.1	14.1	12.0	1105	2.43	4.3	0.3	1.8	1.0	14	0.2	0.4	0.1	65	0.17	0.042	
YC142	Soil	0.6	47.3	4.7	70	<0.1	14.2	14.0	1146	2.36	3.9	0.2	1.0	1.3	17	<0.1	0.3	<0.1	71	0.27	0.066	
YC143	Soil	1.2	15.3	23.9	45	<0.1	17.6	8.9	271	2.92	10.5	0.6	2.3	3.1	12	<0.1	0.6	0.4	67	0.12	0.019	
YC144	Soil	0.8	24.3	21.6	58	<0.1	23.4	9.3	305	3.04	9.1	1.1	1.9	3.9	17	<0.1	0.5	0.3	72	0.17	0.020	
YC145	Soil	1.1	22.6	14.2	63	<0.1	40.1	11.3	261	3.30	7.1	0.8	2.1	3.6	15	<0.1	0.4	0.2	92	0.15	0.022	
YC146	Soil	1.1	30.0	16.3	63	0.3	33.6	11.8	330	3.19	12.4	1.4	4.6	4.9	16	<0.1	0.7	0.2	75	0.15	0.023	
YC147	Soil	0.6	17.7	17.4	32	0.1	16.3	6.3	146	1.71	3.0	0.9	1.2	1.0	17	<0.1	0.2	0.3	39	0.23	0.040	
YC148	Soil	0.9	11.2	25.2	17	<0.1	5.0	1.9	55	1.25	3.8	0.5	1.5	0.5	11	<0.1	0.2	0.4	42	0.10	0.024	
YC149	Soil	0.4	25.1	7.6	64	<0.1	110.6	28.0	762	4.42	2.9	1.5	1.1	10.1	28	<0.1	1.0	<0.1	74	0.67	0.111	
YC150	Soil	0.3	83.0	9.5	87	<0.1	87.8	23.7	343	4.85	6.6	0.4	0.6	2.0	14	<0.1	0.6	0.2	154	0.16	0.014	
YC151	Soil	1.3	15.1	12.4	40	0.1	21.9	9.5	261	3.33	8.9	0.6	3.9	4.0	12	0.1	0.6	0.2	82	0.12	0.023	
YC152	Soil	0.6	24.0	43.6	54	0.2	26.2	12.3	302	3.02	19.8	1.4	2.7	5.9	22	<0.1	1.0	0.6	65	0.29	0.046	
YC153	Soil	1.4	16.7	24.0	40	0.1	18.7	8.5	209	3.21	9.8	0.7	2.1	3.6	13	0.1	0.6	0.3	76	0.12	0.026	
YC154	Soil	0.6	23.0	17.7	56	<0.1	22.7	12.9	356	3.24	6.0	0.9	1.8	4.6	23	<0.1	0.4	0.3	66	0.40	0.075	
YC155	Soil	0.6	25.6	55.9	54	0.2	31.3	11.0	458	2.62	6.7	1.4	2.4	5.5	20	<0.1	2.0	0.7	58	0.32	0.055	
YC156	Soil	0.4	28.3	6.8	52	0.1	50.6	18.2	483	3.26	5.1	1.3	1.3	6.8	25	<0.1	0.2	0.1	83	0.41	0.092	



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**Report Date:** August 08, 2009

**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
YH169	Soil	24	58	0.80	850	0.042	1	1.77	0.012	0.07	<0.1	0.05	6.2	0.1	<0.05	6	0.7
YH170	Soil	12	44	0.56	207	0.065	<1	2.17	0.008	0.08	0.1	0.02	2.8	0.1	<0.05	6	0.6
YH171	Soil	11	45	0.51	185	0.053	2	1.92	0.008	0.07	0.1	0.02	2.6	0.1	<0.05	6	<0.5
YH172	Soil	10	223	1.72	426	0.051	<1	1.80	0.009	0.04	0.1	0.02	3.7	0.2	<0.05	5	<0.5
YH173	Soil	5	627	3.94	121	0.048	<1	1.85	0.006	0.02	<0.1	<0.01	2.8	0.2	<0.05	5	<0.5
YH174	Soil	5	394	6.14	1384	0.271	<1	4.12	0.019	2.54	<0.1	<0.01	3.8	1.3	<0.05	10	<0.5
YH175	Soil	9	43	0.51	185	0.059	1	2.10	0.009	0.05	0.2	0.02	2.6	<0.1	<0.05	5	<0.5
YH176	Soil	10	42	0.51	248	0.062	1	2.21	0.008	0.05	0.2	0.02	2.9	<0.1	<0.05	6	<0.5
YH177	Soil	12	29	0.34	291	0.049	<1	1.53	0.009	0.05	0.1	0.01	2.1	0.1	<0.05	6	<0.5
YH178	Soil	14	44	0.62	503	0.059	1	1.75	0.009	0.09	0.1	0.02	3.6	0.1	<0.05	6	<0.5
YH179	Soil	8	32	0.44	381	0.049	1	1.90	0.008	0.04	0.1	<0.01	2.6	<0.1	<0.05	6	<0.5
YH180	Soil	11	42	0.53	282	0.072	2	2.48	0.011	0.04	0.1	0.05	4.2	<0.1	<0.05	6	<0.5
YH181	Soil	11	27	0.39	330	0.048	<1	1.23	0.010	0.04	0.1	0.01	2.3	<0.1	<0.05	4	<0.5
YH182	Soil	9	28	0.36	247	0.060	<1	1.47	0.012	0.04	0.1	<0.01	2.2	0.1	<0.05	7	<0.5
YC141	Soil	7	36	0.56	297	0.070	<1	1.50	0.016	0.05	0.1	<0.01	1.8	<0.1	<0.05	6	<0.5
YC142	Soil	5	22	0.65	389	0.086	<1	1.38	0.013	0.12	0.1	<0.01	2.4	<0.1	<0.05	5	<0.5
YC143	Soil	10	37	0.46	493	0.033	<1	2.38	0.008	0.06	0.1	0.02	2.6	0.1	<0.05	6	<0.5
YC144	Soil	13	39	0.55	550	0.053	<1	2.35	0.010	0.07	0.2	0.01	3.5	0.2	<0.05	7	<0.5
YC145	Soil	10	136	0.95	302	0.129	1	2.31	0.010	0.22	0.1	<0.01	4.2	0.2	<0.05	8	<0.5
YC146	Soil	14	53	0.60	431	0.071	2	2.34	0.011	0.07	0.2	0.05	5.2	0.1	<0.05	6	0.5
YC147	Soil	11	38	0.47	254	0.069	1	1.18	0.016	0.09	<0.1	0.02	1.6	0.2	<0.05	5	<0.5
YC148	Soil	8	18	0.11	159	0.035	1	0.95	0.007	0.04	<0.1	0.01	0.9	<0.1	<0.05	5	<0.5
YC149	Soil	29	289	2.18	1164	0.124	1	2.96	0.015	0.63	<0.1	<0.01	9.6	0.4	<0.05	8	<0.5
YC150	Soil	13	129	2.14	917	0.210	<1	4.35	0.011	0.91	0.1	<0.01	5.0	0.5	<0.05	9	<0.5
YC151	Soil	11	49	0.49	295	0.069	<1	2.22	0.008	0.05	0.1	0.02	2.7	0.2	<0.05	8	<0.5
YC152	Soil	25	49	0.74	570	0.077	<1	2.15	0.011	0.09	0.1	0.03	4.5	0.2	<0.05	7	0.5
YC153	Soil	10	40	0.41	151	0.065	1	2.61	0.009	0.04	0.1	0.02	3.1	0.1	<0.05	7	<0.5
YC154	Soil	18	35	0.84	464	0.113	2	1.97	0.012	0.23	0.1	0.02	3.9	0.2	<0.05	6	0.7
YC155	Soil	24	59	0.72	481	0.077	2	1.76	0.011	0.24	0.1	0.04	4.4	0.2	<0.05	5	<0.5
YC156	Soil	18	123	1.81	1051	0.154	1	2.58	0.014	0.59	0.1	0.02	4.0	0.3	<0.05	8	<0.5



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**Project:** WHITE  
**Report Date:** August 08, 2009

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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 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
YC157	Soil	1.0	26.3	11.3	50	0.2	30.9	12.8	349	3.01	9.0	1.0	2.8	4.6	17	<0.1	0.7	0.2	65	0.23	0.032
YC158	Soil	0.5	43.6	18.4	64	<0.1	101.5	24.0	418	3.91	3.0	0.4	0.6	1.3	25	<0.1	0.2	0.2	112	0.31	0.033
YC159	Soil	0.3	38.5	10.0	67	<0.1	70.9	33.7	865	5.42	2.4	0.4	<0.5	2.7	19	<0.1	<0.1	<0.1	148	0.26	0.035
YC160	Soil	0.8	14.2	15.2	39	0.1	35.2	9.8	202	3.12	6.0	0.5	0.7	2.4	16	<0.1	0.4	0.2	79	0.18	0.025
YC161	Soil	0.9	15.9	15.6	44	0.1	42.7	11.1	219	3.46	6.2	0.5	1.3	2.5	15	0.1	0.5	0.2	88	0.18	0.025
YC162	Soil	1.3	13.9	12.3	50	<0.1	18.7	12.4	658	2.92	8.3	0.5	2.0	3.0	12	<0.1	0.5	0.2	75	0.12	0.021
YC163	Soil	1.0	38.8	12.0	65	<0.1	31.7	12.3	504	3.67	6.1	0.9	1.5	6.7	18	<0.1	0.5	0.2	74	0.17	0.021
YC164	Soil	1.2	10.7	12.0	37	<0.1	14.5	6.6	195	3.47	11.4	0.5	2.4	2.8	12	<0.1	0.7	0.2	72	0.12	0.029
YC165	Soil	0.8	24.4	11.0	52	<0.1	23.1	10.0	267	3.04	8.1	0.8	2.5	4.2	14	<0.1	0.5	0.2	61	0.13	0.035
YC166	Soil	1.1	12.6	11.2	47	<0.1	18.6	9.2	244	3.03	10.6	0.5	2.1	2.5	11	<0.1	0.6	0.2	63	0.11	0.030
YC167	Soil	0.9	23.8	10.2	77	<0.1	35.0	18.1	292	3.80	7.9	0.9	2.6	7.0	18	0.1	0.4	0.1	73	0.12	0.022
YC168	Soil	1.1	38.3	100.9	91	0.1	77.9	22.5	621	4.80	50.5	0.9	1.5	5.1	27	0.2	7.7	0.6	61	0.40	0.133
YC169	Soil	0.8	14.3	11.5	51	<0.1	17.5	7.8	174	3.04	8.7	0.7	2.0	3.8	10	<0.1	0.7	0.2	61	0.10	0.032
YC170	Soil	2.5	49.5	50.0	78	<0.1	33.9	10.3	439	3.58	6.3	1.1	<0.5	5.8	15	0.1	0.9	1.0	120	0.14	0.044
YC171	Soil	0.8	35.8	11.9	79	<0.1	33.8	13.1	271	3.70	32.7	1.2	0.8	10.6	14	<0.1	5.8	0.1	42	0.13	0.027
YC172	Soil	1.0	27.1	11.7	69	<0.1	31.2	14.2	416	4.17	15.8	0.7	0.6	5.1	12	<0.1	0.8	0.2	65	0.11	0.032
YC173	Soil	1.1	17.5	11.3	48	<0.1	21.3	9.5	250	3.12	9.8	0.9	2.7	4.5	15	<0.1	0.5	0.2	62	0.15	0.038
YC174	Soil	1.0	21.4	9.3	65	<0.1	23.2	10.3	268	2.87	5.3	0.6	7.5	2.1	9	0.1	0.4	0.2	61	0.08	0.052
YC175	Soil	0.8	15.7	9.1	38	<0.1	18.0	7.6	165	2.63	26.5	0.4	1.9	1.5	12	<0.1	1.2	0.1	57	0.14	0.019
YC176	Soil	0.8	25.2	13.0	93	<0.1	29.8	20.5	959	3.35	6.3	0.5	3.6	4.1	20	0.1	0.4	0.2	70	0.20	0.045
YC177	Soil	0.6	31.7	10.2	46	<0.1	101.3	18.9	422	2.93	4.4	0.2	<0.5	1.3	25	<0.1	0.2	0.1	66	0.42	0.155



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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
YC157	Soil	16	53	0.65	417	0.077	1	2.08	0.012	0.07	0.2	0.02	3.4	0.2	<0.05	6	<0.5
YC158	Soil	5	296	2.37	1388	0.268	1	2.94	0.015	0.72	<0.1	<0.01	2.4	0.3	<0.05	10	<0.5
YC159	Soil	9	146	2.65	1494	0.342	<1	4.00	0.017	1.13	0.1	<0.01	5.2	0.5	<0.05	10	<0.5
YC160	Soil	8	63	0.69	209	0.122	<1	1.95	0.009	0.15	0.1	<0.01	2.0	0.1	<0.05	8	<0.5
YC161	Soil	8	74	0.79	228	0.133	<1	2.17	0.009	0.19	<0.1	<0.01	2.2	0.1	<0.05	9	<0.5
YC162	Soil	10	38	0.41	176	0.061	1	2.17	0.010	0.04	0.1	0.02	2.7	0.1	<0.05	7	<0.5
YC163	Soil	20	57	0.89	193	0.116	1	2.73	0.009	0.35	<0.1	0.01	3.1	0.3	<0.05	8	<0.5
YC164	Soil	9	40	0.40	160	0.050	<1	2.43	0.008	0.04	0.1	0.01	2.4	<0.1	<0.05	7	<0.5
YC165	Soil	14	35	0.56	184	0.089	<1	1.80	0.010	0.16	0.1	0.02	2.6	0.1	<0.05	6	<0.5
YC166	Soil	9	32	0.43	188	0.051	<1	1.91	0.007	0.04	0.2	0.04	2.2	<0.1	<0.05	6	<0.5
YC167	Soil	14	58	0.85	274	0.121	<1	2.93	0.014	0.35	<0.1	0.01	4.2	0.3	<0.05	8	<0.5
YC168	Soil	24	50	0.56	232	0.034	<1	1.46	0.006	0.18	<0.1	0.05	5.9	0.2	<0.05	6	0.7
YC169	Soil	13	30	0.38	106	0.058	<1	1.53	0.007	0.10	0.2	0.02	2.0	0.1	<0.05	6	<0.5
YC170	Soil	15	67	1.50	155	0.117	<1	2.02	0.008	0.17	0.1	<0.01	5.3	0.2	<0.05	11	0.9
YC171	Soil	37	23	0.29	162	0.015	<1	1.46	0.004	0.08	0.2	<0.01	3.6	<0.1	<0.05	4	0.5
YC172	Soil	13	41	0.55	213	0.088	<1	2.18	0.008	0.20	0.1	0.02	3.5	0.2	<0.05	6	0.5
YC173	Soil	13	34	0.46	190	0.062	<1	1.88	0.008	0.07	0.2	0.03	2.9	<0.1	<0.05	5	0.6
YC174	Soil	12	29	0.44	134	0.085	<1	1.57	0.010	0.12	0.1	0.02	1.9	0.2	<0.05	7	<0.5
YC175	Soil	8	28	0.37	171	0.037	<1	1.59	0.007	0.04	0.2	0.02	2.3	<0.1	<0.05	5	<0.5
YC176	Soil	9	41	0.69	312	0.112	<1	1.97	0.011	0.28	<0.1	0.02	3.1	0.2	<0.05	7	<0.5
YC177	Soil	9	123	1.52	93	0.126	<1	1.88	0.020	0.15	<0.1	0.01	1.5	0.1	<0.05	7	<0.5



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Project: WHITE

Report Date: August 08, 2009

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## QUALITY CONTROL REPORT

VAN09003254.1

	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																					
YC146	Soil	1.1	30.0	16.3	63	0.3	33.6	11.8	330	3.19	12.4	1.4	4.6	4.9	16	<0.1	0.7	0.2	75	0.15	0.023
REP YC146	QC	1.3	29.6	16.8	62	0.3	33.4	11.4	322	3.19	12.2	1.4	3.0	4.7	16	<0.1	0.8	0.3	74	0.15	0.023
YC147	Soil	0.6	17.7	17.4	32	0.1	16.3	6.3	146	1.71	3.0	0.9	1.2	1.0	17	<0.1	0.2	0.3	39	0.23	0.040
REP YC147	QC	0.6	17.3	17.9	31	<0.1	17.4	6.3	152	1.76	3.1	0.9	1.2	1.0	17	<0.1	0.2	0.3	42	0.24	0.042
YC171	Soil	0.8	35.8	11.9	79	<0.1	33.8	13.1	271	3.70	32.7	1.2	0.8	10.6	14	<0.1	5.8	0.1	42	0.13	0.027
REP YC171	QC	0.8	35.7	11.5	79	<0.1	32.6	12.9	274	3.70	31.7	1.2	0.6	10.7	14	<0.1	5.7	0.1	40	0.13	0.027
Reference Materials																					
STD DS7	Standard	20.6	105.1	64.3	384	0.8	54.7	9.5	632	2.42	47.6	5.0	68.6	4.3	79	6.6	5.6	4.5	87	1.00	0.076
STD DS7	Standard	19.8	108.1	66.7	402	0.8	56.9	9.8	642	2.46	48.8	4.7	57.8	4.2	75	6.4	5.7	4.5	90	1.02	0.077
STD DS7	Standard	19.7	105.4	67.8	395	0.8	58.6	9.7	618	2.39	47.6	4.7	61.4	4.0	71	6.0	5.8	4.6	85	0.96	0.077
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



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Report Date: August 08, 2009

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## QUALITY CONTROL REPORT

VAN09003254.1

	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																	
YC146	Soil	14	53	0.60	431	0.071	2	2.34	0.011	0.07	0.2	0.05	5.2	0.1	<0.05	6	0.5
REP YC146	QC	14	52	0.59	422	0.068	<1	2.24	0.011	0.07	0.2	0.03	5.1	0.1	<0.05	6	0.6
YC147	Soil	11	38	0.47	254	0.069	1	1.18	0.016	0.09	<0.1	0.02	1.6	0.2	<0.05	5	<0.5
REP YC147	QC	12	39	0.47	256	0.072	1	1.22	0.012	0.10	<0.1	0.03	1.7	0.2	<0.05	5	<0.5
YC171	Soil	37	23	0.29	162	0.015	<1	1.46	0.004	0.08	0.2	<0.01	3.6	<0.1	<0.05	4	0.5
REP YC171	QC	37	23	0.28	162	0.014	<1	1.44	0.005	0.08	<0.1	0.01	3.5	0.1	<0.05	4	<0.5
Reference Materials																	
STD DS7	Standard	14	226	1.08	396	0.120	41	1.07	0.103	0.45	3.8	0.18	2.5	4.1	0.17	5	3.8
STD DS7	Standard	13	229	1.06	419	0.123	42	1.05	0.100	0.48	3.8	0.18	2.4	4.1	0.17	5	3.3
STD DS7	Standard	12	216	1.03	400	0.115	40	1.02	0.092	0.46	4.0	0.20	2.2	4.0	0.17	5	3.8
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