



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

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

Submitted By: Rob McLeod
Receiving Lab: Canada-Vancouver
Received: July 22, 2009
Report Date: July 31, 2009
Page: 1 of 5

CERTIFICATE OF ANALYSIS

VAN09003105.1

CLIENT JOB INFORMATION

Project: WHITE
Shipment ID: UW09-02
P.O. Number
Number of Samples: 108

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:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	108	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	108	Dry at 60C			VAN
1DX15	108	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

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	Method Analyte	Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
			Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
			kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%
			0.01	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
YH 101	Soil			0.3	53.3	7.2	93	<0.1	64.7	39.8	833	6.45	1.4	0.5	0.5	0.6	19	<0.1	0.2	0.1	170
YH 102	Soil			0.9	18.2	33.5	53	<0.1	17.2	8.3	271	2.56	6.5	0.8	1.3	1.7	15	0.2	0.6	0.4	51
YH 103	Soil			0.8	11.4	50.7	46	<0.1	11.2	4.5	198	1.83	6.1	0.7	2.3	1.0	15	0.2	0.5	0.7	50
YH 104	Soil			0.5	16.9	29.4	57	<0.1	14.8	5.7	172	1.66	4.6	1.5	2.6	3.9	17	0.1	0.4	0.5	41
YH 105	Soil			0.6	10.3	36.0	45	<0.1	11.1	5.4	238	1.65	7.1	0.6	1.8	1.9	10	0.2	0.5	0.4	39
YH 106	Soil			0.9	21.2	22.6	72	<0.1	20.4	7.6	534	2.26	6.6	1.0	3.2	6.2	18	0.1	0.6	0.4	40
YH 107	Soil			0.6	23.9	14.3	67	0.1	42.1	10.1	284	2.71	7.4	0.9	4.4	4.0	17	<0.1	0.5	0.2	71
YH 108	Soil			0.7	15.6	12.8	35	<0.1	14.5	4.5	98	2.04	10.4	0.9	5.4	2.3	13	0.1	0.8	0.2	53
YH 109	Soil			1.4	12.9	12.1	38	0.1	9.8	4.1	147	2.47	7.3	0.4	1.7	1.6	9	0.3	0.6	0.2	69
YH 110	Soil			1.8	45.6	36.6	93	0.4	42.5	14.9	760	4.56	49.5	2.1	8.0	2.1	36	0.2	2.0	0.5	91
YH 111	Soil			0.9	11.9	17.3	31	<0.1	8.9	3.3	144	1.33	19.4	0.5	2.5	0.5	10	0.3	0.8	0.3	49
YH 112	Soil			1.3	16.6	20.4	46	0.1	18.1	6.0	152	2.51	55.0	0.6	4.1	1.5	16	0.2	1.6	0.3	60
YH 113	Soil			1.4	27.9	53.5	67	<0.1	24.3	9.4	303	3.05	24.8	0.9	0.6	6.6	11	<0.1	2.4	0.5	43
YH 114	Soil			0.8	34.4	27.5	77	<0.1	52.5	16.5	439	3.84	9.5	1.2	1.5	10.5	17	<0.1	1.1	0.3	60
YH 115	Soil			0.9	24.9	14.8	68	0.2	31.6	12.9	369	3.20	10.1	0.6	0.9	4.3	14	0.2	0.6	0.2	69
YH 116	Soil			0.8	19.0	19.4	46	<0.1	17.1	7.3	262	2.95	8.7	0.6	1.2	3.2	9	0.1	0.5	0.2	60
YH 117	Soil			1.0	46.6	13.6	85	<0.1	26.3	15.6	495	3.85	20.3	0.7	0.8	6.7	16	<0.1	0.4	0.1	56
YH 118	Soil			0.6	19.7	8.9	43	<0.1	17.8	8.0	198	2.21	8.7	0.9	2.2	4.1	17	<0.1	0.6	0.2	52
YH 119	Soil			1.0	19.3	11.2	47	<0.1	21.4	10.1	217	2.68	13.8	0.5	1.6	3.4	17	<0.1	0.7	0.2	59
YH 120	Soil			1.0	18.7	11.5	48	<0.1	21.1	7.8	303	2.43	15.5	0.4	1.2	3.0	16	<0.1	1.0	0.2	56
YH 121	Soil			0.5	29.4	10.6	58	<0.1	44.0	16.1	370	3.68	18.9	0.8	0.7	10.5	18	<0.1	0.7	0.1	61
YH 122	Soil			1.1	15.6	14.5	40	<0.1	17.1	8.8	205	2.81	13.7	0.5	1.6	3.4	11	<0.1	0.9	0.2	60
YH 123	Soil			0.7	17.6	11.6	47	<0.1	16.8	8.3	217	2.25	9.1	0.7	7.6	3.6	16	<0.1	0.5	0.2	51
YH 124	Soil			1.0	28.6	14.8	71	<0.1	34.4	13.4	524	3.45	154.6	1.0	1.4	6.2	20	<0.1	1.9	0.1	42
YH 125	Soil			1.1	27.5	9.2	47	<0.1	22.1	9.6	288	3.04	9.6	0.6	2.3	5.0	17	<0.1	0.6	0.2	62
YH 126	Soil			1.5	18.3	8.4	32	<0.1	14.0	6.3	226	2.20	13.7	0.4	2.1	2.1	17	<0.1	0.7	0.1	55
YH 127	Soil			1.2	23.3	16.5	60	<0.1	76.6	15.4	373	3.35	99.4	0.8	1.9	3.3	23	<0.1	2.9	0.2	68
YH 128	Soil			1.2	21.8	8.7	49	<0.1	22.1	9.2	351	2.65	26.9	1.0	2.2	4.9	17	<0.1	1.2	0.1	44
YH 129	Soil			1.0	24.5	10.5	54	<0.1	20.6	9.6	279	2.77	10.1	1.4	2.1	5.2	17	<0.1	0.6	0.2	59
YH 130	Soil			1.3	13.0	8.9	34	<0.1	13.0	6.0	313	1.90	6.2	0.4	1.1	3.0	19	<0.1	0.3	0.2	54



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CERTIFICATE OF ANALYSIS

VAN09003105.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		P	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
		0.001	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
YH 101	Soil	0.026	2	103	2.27	468	0.414	<1	3.32	0.009	1.67	0.2	<0.01	5.0	1.2	<0.05	8	<0.5
YH 102	Soil	0.043	7	22	0.33	303	0.045	2	1.42	0.008	0.09	0.1	0.03	2.4	0.1	<0.05	4	<0.5
YH 103	Soil	0.037	7	18	0.22	136	0.037	2	0.97	0.007	0.05	0.1	0.03	1.5	<0.1	<0.05	4	<0.5
YH 104	Soil	0.040	12	23	0.37	257	0.051	1	1.16	0.010	0.07	0.2	0.05	2.9	<0.1	<0.05	3	<0.5
YH 105	Soil	0.030	7	19	0.25	139	0.031	1	0.99	0.007	0.05	0.1	0.03	1.6	<0.1	<0.05	3	<0.5
YH 106	Soil	0.047	17	28	0.61	445	0.063	1	1.40	0.009	0.21	0.1	0.02	3.2	0.2	<0.05	4	<0.5
YH 107	Soil	0.045	15	67	0.90	346	0.111	2	1.76	0.013	0.21	0.1	0.02	4.8	0.2	<0.05	6	<0.5
YH 108	Soil	0.029	11	26	0.30	242	0.029	2	1.52	0.007	0.04	0.2	0.03	2.8	0.1	<0.05	6	<0.5
YH 109	Soil	0.038	8	23	0.21	180	0.048	<1	1.35	0.007	0.03	0.1	0.02	1.7	<0.1	<0.05	6	<0.5
YH 110	Soil	0.087	17	54	0.60	1375	0.030	1	2.53	0.012	0.08	0.2	0.15	7.3	0.3	<0.05	7	0.8
YH 111	Soil	0.026	10	15	0.11	196	0.046	1	0.82	0.005	0.04	0.1	0.02	1.2	0.1	<0.05	5	<0.5
YH 112	Soil	0.048	10	25	0.31	438	0.025	2	1.60	0.007	0.04	0.2	0.04	2.6	0.1	<0.05	6	<0.5
YH 113	Soil	0.020	15	24	0.32	219	0.012	1	1.45	0.006	0.08	<0.1	0.02	3.2	0.2	<0.05	4	<0.5
YH 114	Soil	0.033	26	65	0.88	260	0.105	1	2.04	0.008	0.35	<0.1	0.03	4.8	0.3	<0.05	7	<0.5
YH 115	Soil	0.053	13	42	0.78	216	0.122	2	2.26	0.011	0.15	0.1	0.02	3.2	0.1	<0.05	7	<0.5
YH 116	Soil	0.045	12	32	0.47	100	0.091	<1	1.57	0.008	0.21	0.1	0.03	2.5	0.2	<0.05	7	<0.5
YH 117	Soil	0.018	30	43	0.80	529	0.154	1	1.91	0.009	0.81	<0.1	0.03	6.0	0.4	<0.05	7	<0.5
YH 118	Soil	0.026	14	29	0.45	250	0.055	<1	1.55	0.012	0.03	0.1	0.03	3.4	<0.1	<0.05	4	0.6
YH 119	Soil	0.024	9	33	0.47	387	0.050	<1	1.85	0.008	0.04	0.2	0.02	2.7	<0.1	<0.05	5	<0.5
YH 120	Soil	0.017	9	30	0.41	308	0.045	<1	1.51	0.007	0.06	0.1	0.02	2.4	<0.1	<0.05	4	<0.5
YH 121	Soil	0.029	22	103	0.78	324	0.141	1	1.78	0.012	0.27	0.1	0.01	4.8	0.4	<0.05	6	0.5
YH 122	Soil	0.029	9	31	0.35	208	0.042	1	1.91	0.007	0.04	0.2	0.02	2.4	0.1	<0.05	5	<0.5
YH 123	Soil	0.034	12	28	0.40	223	0.050	<1	1.51	0.009	0.04	0.2	0.02	3.2	0.1	<0.05	4	<0.5
YH 124	Soil	0.021	16	27	0.25	279	0.013	3	0.95	0.006	0.09	0.1	0.11	5.5	0.1	<0.05	3	<0.5
YH 125	Soil	0.015	16	37	0.50	204	0.086	<1	1.70	0.008	0.12	0.1	0.01	4.3	0.1	<0.05	6	<0.5
YH 126	Soil	0.025	8	23	0.30	166	0.051	<1	1.04	0.007	0.06	0.2	0.01	1.8	<0.1	<0.05	4	<0.5
YH 127	Soil	0.040	13	50	0.32	280	0.030	1	1.28	0.008	0.07	0.2	0.03	5.1	0.1	<0.05	5	<0.5
YH 128	Soil	0.023	16	26	0.35	271	0.041	<1	1.17	0.008	0.05	0.1	0.04	4.8	<0.1	<0.05	4	<0.5
YH 129	Soil	0.015	18	36	0.51	299	0.073	<1	1.71	0.010	0.08	0.1	0.03	4.0	0.1	<0.05	5	<0.5
YH 130	Soil	0.030	12	23	0.36	244	0.083	<1	1.21	0.009	0.10	0.1	0.02	2.4	0.1	<0.05	5	<0.5



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	Method	Analyte	Unit	MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
					kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
					0.01	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
YH 131	Soil				0.8	33.6	12.5	62	<0.1	36.4	16.0	408	3.48	14.1	0.9	2.4	6.9	26	<0.1	0.7	0.2	81	0.45	
YH 132	Soil				0.5	28.6	8.8	43	<0.1	21.5	9.2	219	2.45	11.3	1.1	3.5	5.9	20	<0.1	0.6	0.2	51	0.23	
YH 133	Soil				1.4	99.8	10.5	78	<0.1	103.5	24.9	571	5.58	12.6	1.7	3.1	5.9	28	<0.1	1.0	0.2	86	0.36	
YH 134	Soil				0.8	20.2	21.1	45	<0.1	17.4	7.7	215	2.51	7.7	0.7	3.4	2.0	19	<0.1	0.4	0.2	57	0.15	
YH 135	Soil				1.0	16.4	17.6	38	0.3	11.3	5.7	286	2.00	5.7	0.6	6.4	1.8	24	0.2	0.3	0.3	59	0.25	
YH 136	Soil				0.6	36.7	29.4	63	0.2	43.7	16.0	469	3.10	3.5	1.5	1.8	3.0	54	0.1	0.2	0.3	83	0.71	
YH 137	Soil				1.3	46.0	30.6	96	<0.1	62.5	13.0	433	3.75	6.3	0.9	2.5	3.7	28	<0.1	0.3	0.4	115	0.15	
YH 138	Soil				0.6	36.6	11.2	55	0.2	38.2	10.8	316	2.55	5.2	1.7	0.9	3.8	31	<0.1	0.3	0.2	68	0.47	
YH 139	Soil				0.8	50.2	14.1	52	0.2	29.8	13.3	565	2.73	9.7	1.9	5.0	4.4	44	<0.1	0.4	0.2	64	0.46	
YH 140	Soil				0.7	20.7	8.6	36	<0.1	33.4	12.3	297	2.42	5.3	0.6	2.3	3.0	26	<0.1	0.3	0.1	60	0.23	
YH 141	Soil				0.8	21.9	8.7	42	<0.1	35.3	13.1	309	2.59	5.6	0.6	1.8	3.1	26	<0.1	0.3	0.1	65	0.25	
YH 142	Soil				0.9	19.1	9.3	24	0.2	11.0	4.2	104	1.56	4.1	0.8	0.7	1.3	23	<0.1	0.2	0.2	47	0.17	
YH 143	Soil				0.8	58.2	8.0	53	0.2	18.2	11.3	409	2.87	8.6	0.4	1.1	2.1	21	<0.1	0.5	0.2	78	0.27	
YH 144	Soil				1.0	46.4	8.7	59	0.2	13.5	11.3	668	2.85	7.3	0.3	2.8	1.3	13	0.1	0.5	0.2	83	0.17	
YH 145	Soil				0.9	78.8	7.6	56	<0.1	29.2	15.4	696	3.30	7.2	0.2	<0.5	1.1	19	<0.1	0.4	0.1	96	0.20	
YH 146	Soil				0.5	102.0	5.4	53	0.1	45.2	17.6	327	3.04	8.1	0.5	2.1	2.2	42	<0.1	0.4	0.1	71	0.39	
YH 147	Soil				1.7	90.4	16.8	147	0.1	11.7	12.5	1066	5.57	18.5	2.8	1.3	10.4	34	0.3	2.7	0.3	27	0.52	
YH 148	Soil				0.7	14.5	9.2	76	<0.1	19.4	9.8	662	2.52	5.5	0.3	3.5	1.9	16	0.2	0.5	0.1	71	0.15	
YH 149	Soil				0.7	34.3	9.2	62	<0.1	23.8	11.4	375	3.25	11.1	1.2	1.2	5.6	34	<0.1	0.7	0.2	72	0.35	
YH 150	Soil				1.4	18.8	11.5	48	0.4	15.1	14.8	1098	2.74	7.6	0.5	0.7	3.8	9	0.2	0.6	0.2	66	0.10	
YH 151	Soil				0.7	20.6	10.6	45	<0.1	21.1	9.3	234	2.62	8.9	1.4	1.9	4.9	21	<0.1	0.5	0.2	57	0.22	
YH 152	Soil				1.0	18.5	10.3	67	<0.1	21.3	11.8	290	2.83	8.8	0.6	1.7	3.7	12	0.1	0.6	0.2	66	0.14	
YH 153	Soil				0.9	14.3	9.5	80	<0.1	16.2	8.6	921	2.52	7.6	0.4	<0.5	1.8	16	0.4	0.4	0.2	61	0.21	
YH 154	Soil				0.9	15.4	8.3	64	0.1	14.4	13.3	777	2.40	7.0	0.3	<0.5	2.0	15	0.1	0.5	0.2	68	0.15	
YH 155	Soil				0.9	21.3	7.5	71	<0.1	13.9	8.5	692	2.17	5.0	0.3	0.6	2.0	16	0.1	0.4	0.2	61	0.19	
YH 156	Soil				0.8	35.8	7.9	59	<0.1	33.6	20.9	462	3.55	5.5	0.6	2.7	3.3	25	<0.1	0.3	<0.1	103	0.32	
YH 157	Soil				0.8	27.2	15.9	48	0.2	26.6	13.9	348	3.50	9.3	0.5	3.0	3.9	16	<0.1	0.5	0.2	75	0.19	
YH 158	Soil				1.1	22.9	13.2	60	0.1	24.2	14.4	338	3.69	7.8	0.5	<0.5	2.4	16	<0.1	0.4	0.3	95	0.23	
YH 159	Soil				0.9	17.6	17.6	50	<0.1	28.3	14.7	274	3.31	11.4	0.6	3.7	4.4	15	<0.1	0.7	0.2	66	0.16	
YH 160	Soil				0.5	15.5	7.5	45	<0.1	40.2	15.9	344	2.99	5.8	0.4	<0.5	2.0	17	<0.1	0.3	0.1	76	0.25	



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Phone (604) 253-3158 Fax (604) 253-1716

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1500 - 409 Granville Street
Vancouver BC V6C 1T2 Canada

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CERTIFICATE OF ANALYSIS

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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
		P	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
		0.001	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
YH 131	Soil	0.045	22	58	0.78	367	0.087	2	2.03	0.013	0.19	0.1	0.02	6.0	0.2	<0.05	6	0.5
YH 132	Soil	0.028	35	33	0.46	404	0.063	<1	1.52	0.010	0.05	0.1	0.04	4.8	<0.1	<0.05	4	0.7
YH 133	Soil	0.033	25	84	0.53	433	0.044	2	1.50	0.007	0.18	<0.1	0.06	14.3	0.2	<0.05	6	1.1
YH 134	Soil	0.042	10	28	0.41	325	0.056	1	1.87	0.009	0.04	0.1	0.02	2.7	0.1	<0.05	6	<0.5
YH 135	Soil	0.042	9	23	0.32	490	0.056	<1	1.31	0.009	0.07	0.1	0.03	2.2	<0.1	<0.05	6	<0.5
YH 136	Soil	0.064	19	123	1.44	911	0.167	<1	2.13	0.012	0.40	0.2	0.03	4.1	0.3	<0.05	9	0.5
YH 137	Soil	0.041	14	125	1.49	765	0.179	<1	2.36	0.011	0.72	<0.1	0.01	6.7	0.3	0.11	9	0.8
YH 138	Soil	0.069	18	76	0.95	667	0.118	<1	1.52	0.014	0.23	0.1	0.01	3.7	0.2	<0.05	6	0.5
YH 139	Soil	0.057	21	53	0.74	569	0.093	<1	1.59	0.013	0.13	0.2	0.02	4.2	0.1	<0.05	6	0.5
YH 140	Soil	0.021	13	81	0.83	550	0.113	<1	1.52	0.011	0.12	0.1	0.01	2.0	0.1	<0.05	5	<0.5
YH 141	Soil	0.021	14	87	0.83	566	0.120	<1	1.53	0.011	0.13	0.1	0.02	2.1	0.1	<0.05	6	<0.5
YH 142	Soil	0.024	11	25	0.33	349	0.081	<1	0.98	0.010	0.07	<0.1	0.03	1.7	<0.1	<0.05	6	<0.5
YH 143	Soil	0.040	7	28	0.59	550	0.089	2	1.79	0.013	0.11	0.1	0.01	2.9	<0.1	<0.05	6	<0.5
YH 144	Soil	0.056	6	23	0.47	273	0.076	<1	1.61	0.014	0.07	0.1	0.02	2.4	<0.1	<0.05	6	<0.5
YH 145	Soil	0.044	4	76	1.17	502	0.149	<1	1.90	0.012	0.31	0.1	0.01	3.2	0.1	<0.05	8	<0.5
YH 146	Soil	0.040	8	118	1.26	371	0.107	2	1.87	0.013	0.19	0.1	0.03	5.4	0.2	<0.05	6	<0.5
YH 147	Soil	0.148	20	4	0.14	508	0.003	<1	0.79	0.002	0.23	<0.1	0.10	14.5	0.2	<0.05	3	1.1
YH 148	Soil	0.028	8	46	0.56	275	0.072	<1	1.60	0.009	0.05	<0.1	0.01	2.8	0.1	<0.05	6	<0.5
YH 149	Soil	0.031	16	42	0.71	501	0.097	<1	1.88	0.014	0.14	0.1	0.02	6.2	0.1	<0.05	6	0.6
YH 150	Soil	0.029	9	33	0.34	284	0.043	<1	1.93	0.006	0.05	0.1	0.03	2.3	0.1	<0.05	6	<0.5
YH 151	Soil	0.029	17	32	0.50	410	0.043	<1	1.78	0.012	0.06	0.1	0.04	5.0	0.1	<0.05	5	0.6
YH 152	Soil	0.027	10	37	0.49	384	0.063	<1	2.18	0.006	0.05	0.2	<0.01	3.0	0.1	<0.05	6	<0.5
YH 153	Soil	0.101	9	30	0.43	355	0.052	<1	1.55	0.011	0.09	0.1	0.02	2.2	0.1	<0.05	6	<0.5
YH 154	Soil	0.092	7	27	0.38	307	0.059	<1	1.74	0.010	0.03	0.1	0.01	2.0	0.1	<0.05	6	<0.5
YH 155	Soil	0.039	8	24	0.40	365	0.059	<1	1.53	0.012	0.03	0.1	0.01	2.1	<0.1	<0.05	5	<0.5
YH 156	Soil	0.095	10	73	1.40	1100	0.168	<1	2.61	0.009	0.44	0.2	0.01	4.5	0.1	<0.05	7	<0.5
YH 157	Soil	0.045	10	45	0.79	359	0.110	<1	2.33	0.008	0.18	0.2	0.01	2.6	0.2	<0.05	7	<0.5
YH 158	Soil	0.035	8	50	0.88	344	0.103	<1	2.27	0.008	0.23	0.1	0.02	4.9	0.2	<0.05	7	<0.5
YH 159	Soil	0.035	10	40	0.56	278	0.066	2	2.92	0.009	0.06	0.2	0.02	3.1	0.1	<0.05	6	<0.5
YH 160	Soil	0.058	6	89	1.29	524	0.153	1	2.17	0.010	0.19	0.1	<0.01	2.5	0.1	<0.05	7	<0.5



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Vancouver BC V6C 1T2 Canada

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	Method Analyte Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt kg	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %
		0.01	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
YH 161	Soil		0.6	15.2	8.3	43	<0.1	35.1	14.3	331	3.09	6.7	0.4	2.1	2.1	17	<0.1	0.3	0.1	76	0.22
YH 162	Soil		0.4	17.5	5.7	58	<0.1	17.0	12.9	821	2.49	3.1	0.2	<0.5	0.9	19	0.1	0.2	<0.1	51	0.21
YH 163	Soil		0.5	20.8	7.9	43	<0.1	25.8	11.8	253	2.54	6.3	0.6	0.9	2.5	20	<0.1	0.3	0.1	62	0.30
YH 164	Soil		0.5	15.6	8.9	56	<0.1	43.1	16.5	408	3.06	4.6	0.4	<0.5	1.5	20	<0.1	0.2	0.1	77	0.30
YH 165	Soil		1.1	17.5	14.9	58	0.1	19.3	9.3	364	2.78	9.6	0.7	0.5	4.3	13	0.1	0.5	0.2	64	0.13
YH 166	Soil		0.8	26.0	14.2	56	<0.1	47.1	15.8	473	3.19	6.8	1.8	<0.5	5.0	28	<0.1	0.6	0.2	73	0.51
YH 167	Soil		0.4	35.9	17.9	64	<0.1	66.7	18.9	694	2.99	3.8	1.0	1.3	7.8	24	<0.1	0.2	0.3	61	0.49
YH 168	Soil		0.6	23.2	13.4	56	<0.1	60.0	21.0	387	3.26	6.1	0.5	<0.5	3.4	18	<0.1	0.3	0.2	77	0.26
YC 101	Soil		1.2	22.4	10.0	55	0.2	30.7	10.2	272	2.94	9.5	0.5	<0.5	3.3	13	0.2	0.8	0.2	75	0.11
YC 102	Soil		1.4	10.7	10.7	36	<0.1	14.9	5.6	174	2.83	7.9	0.4	<0.5	2.4	13	0.2	0.6	0.2	83	0.14
YC 103	Soil		1.2	63.3	12.0	116	<0.1	41.3	19.8	768	4.31	5.0	1.0	0.9	4.8	16	0.1	0.4	0.1	131	0.15
YC 104	Soil		2.3	40.3	20.4	112	<0.1	36.3	13.9	388	3.63	22.1	0.9	2.4	2.7	24	0.4	1.4	0.2	72	0.13
YC 105	Soil		2.1	23.4	28.7	73	0.4	23.6	9.1	214	3.17	11.1	0.6	2.2	2.6	12	0.4	0.7	0.4	75	0.08
YC 106	Soil		1.0	15.9	18.3	40	0.2	16.2	7.5	197	2.85	10.1	0.7	3.1	3.4	10	<0.1	0.5	0.3	61	0.10
YC 107	Soil		1.0	10.5	29.0	31	0.2	8.7	8.0	408	2.35	4.2	0.4	1.0	2.1	8	<0.1	0.4	0.3	58	0.06
YC 108	Soil		1.0	24.8	10.8	77	0.1	39.3	18.3	1939	3.31	5.3	0.4	1.2	1.9	17	0.2	0.3	0.2	72	0.20
YC 109	Soil		1.2	15.0	12.1	46	<0.1	19.4	8.1	235	3.05	10.4	0.5	2.0	2.2	8	0.1	0.6	0.2	71	0.07
YC 110	Soil		1.0	17.3	11.2	40	<0.1	15.6	5.5	150	2.70	7.9	1.1	2.5	4.1	12	<0.1	0.4	0.2	58	0.13
YC 111	Soil		0.9	16.3	20.4	42	<0.1	17.4	7.8	204	2.78	11.3	0.6	2.5	2.0	10	0.2	0.5	0.2	58	0.11
YC 112	Soil		1.2	12.0	11.0	36	<0.1	17.2	9.2	217	2.68	12.2	0.7	2.5	2.9	8	<0.1	0.5	0.2	58	0.09
YC 113	Soil		1.1	10.4	10.9	34	<0.1	9.4	4.2	141	2.98	8.1	0.4	2.1	1.6	9	<0.1	0.4	0.2	69	0.10
YC 114	Soil		0.9	27.3	9.3	75	<0.1	34.1	14.7	265	4.29	9.0	1.2	1.3	7.5	9	<0.1	0.6	0.1	63	0.07
YC 115	Soil		0.9	11.1	10.0	47	<0.1	17.2	8.0	237	3.39	9.1	0.5	1.9	4.1	12	<0.1	0.4	0.2	65	0.12
YC 116	Soil		1.0	14.8	28.1	50	<0.1	18.8	8.9	227	3.01	21.3	0.7	6.8	3.3	17	<0.1	0.7	0.3	49	0.19
YC 117	Soil		0.8	21.1	12.0	57	<0.1	24.6	11.1	316	2.81	12.7	1.0	0.8	5.8	17	<0.1	0.5	0.2	54	0.23
YC 118	Soil		1.2	24.5	11.3	80	<0.1	23.9	13.9	655	4.13	15.5	2.6	4.0	13.9	115	<0.1	0.7	0.2	61	0.96
YC 119	Soil		1.1	19.5	10.6	46	<0.1	21.4	10.0	271	2.88	17.2	0.9	71.3	5.7	18	<0.1	0.7	0.2	54	0.18
YC 120	Soil		1.0	15.6	33.0	35	<0.1	14.3	6.4	181	2.54	9.0	0.9	1.3	2.9	13	<0.1	0.5	0.3	59	0.12
YC 121	Soil		0.9	14.3	25.1	34	<0.1	13.8	6.1	132	2.47	8.4	1.0	3.7	2.9	11	<0.1	0.4	0.3	56	0.12
YC 122	Soil		0.7	16.9	6.5	136	0.1	14.0	11.2	1402	2.63	4.1	0.2	0.6	1.0	20	0.2	0.4	0.1	48	0.29



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

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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
		P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.1	0.01	0.05	1	0.5
YH 161	Soil	0.045	7	78	1.03	402	0.141	<1	1.96	0.008	0.13	0.2	<0.01	2.4	0.1	<0.05	7	<0.5
YH 162	Soil	0.106	3	31	0.80	320	0.136	<1	1.57	0.011	0.09	<0.1	<0.01	1.1	<0.1	<0.05	6	<0.5
YH 163	Soil	0.069	9	46	0.89	529	0.091	<1	1.90	0.010	0.15	0.1	0.02	2.7	0.1	<0.05	6	<0.5
YH 164	Soil	0.094	5	94	1.52	823	0.160	<1	2.35	0.011	0.49	<0.1	0.01	2.0	0.2	<0.05	8	<0.5
YH 165	Soil	0.032	12	32	0.43	240	0.058	1	2.31	0.007	0.05	0.1	0.02	2.6	0.1	<0.05	6	<0.5
YH 166	Soil	0.051	15	104	1.21	582	0.093	1	2.13	0.011	0.09	0.1	0.01	4.7	0.2	<0.05	7	<0.5
YH 167	Soil	0.123	19	116	1.57	786	0.161	<1	2.03	0.014	0.76	0.1	0.01	3.6	0.5	<0.05	6	<0.5
YH 168	Soil	0.054	13	122	1.94	576	0.180	<1	2.77	0.011	0.49	0.1	0.01	2.3	0.3	<0.05	7	<0.5
YC 101	Soil	0.019	10	42	0.59	211	0.076	<1	2.21	0.010	0.07	0.1	0.01	3.1	0.1	<0.05	6	0.5
YC 102	Soil	0.025	11	32	0.27	179	0.071	<1	1.39	0.006	0.04	0.1	0.01	2.0	0.1	<0.05	8	<0.5
YC 103	Soil	0.029	31	63	1.68	460	0.219	<1	3.25	0.010	0.76	0.1	<0.01	6.8	0.4	<0.05	11	0.5
YC 104	Soil	0.065	12	40	0.54	308	0.054	1	1.65	0.008	0.17	0.1	0.02	3.4	0.2	<0.05	6	1.0
YC 105	Soil	0.031	8	35	0.44	238	0.040	<1	2.21	0.008	0.04	0.2	0.01	2.7	0.1	<0.05	6	<0.5
YC 106	Soil	0.025	10	31	0.41	327	0.033	<1	1.95	0.008	0.03	0.1	0.01	2.4	0.2	<0.05	6	<0.5
YC 107	Soil	0.024	8	18	0.16	244	0.014	<1	1.53	0.006	0.03	<0.1	0.02	1.3	0.1	<0.05	7	<0.5
YC 108	Soil	0.055	7	61	0.79	300	0.123	<1	1.91	0.012	0.18	<0.1	0.02	2.6	0.2	<0.05	7	<0.5
YC 109	Soil	0.024	8	29	0.35	166	0.034	<1	2.03	0.006	0.03	0.1	0.02	2.1	0.1	<0.05	6	<0.5
YC 110	Soil	0.024	13	32	0.39	252	0.042	<1	1.84	0.008	0.04	0.1	0.03	3.5	0.1	<0.05	6	<0.5
YC 111	Soil	0.030	9	30	0.40	152	0.037	1	1.86	0.007	0.04	0.1	0.04	2.2	<0.1	<0.05	6	<0.5
YC 112	Soil	0.031	9	31	0.33	149	0.039	<1	1.95	0.007	0.04	0.1	0.02	2.5	<0.1	<0.05	6	<0.5
YC 113	Soil	0.031	8	25	0.31	99	0.047	<1	1.48	0.005	0.04	0.2	0.02	1.6	0.1	<0.05	7	<0.5
YC 114	Soil	0.013	17	48	0.83	152	0.109	<1	2.61	0.008	0.40	0.1	0.02	4.2	0.3	<0.05	8	<0.5
YC 115	Soil	0.038	15	28	0.48	123	0.064	<1	1.51	0.007	0.12	0.1	0.02	2.3	0.1	<0.05	7	<0.5
YC 116	Soil	0.062	14	24	0.41	209	0.016	1	1.46	0.006	0.08	0.1	0.02	2.6	0.1	<0.05	5	<0.5
YC 117	Soil	0.030	23	36	0.56	348	0.049	1	1.71	0.009	0.08	0.1	0.05	3.7	0.2	<0.05	5	<0.5
YC 118	Soil	0.358	96	22	0.81	616	0.078	1	1.77	0.013	0.27	0.2	0.05	3.7	0.3	<0.05	7	0.7
YC 119	Soil	0.024	20	31	0.46	298	0.025	2	1.78	0.008	0.05	0.1	0.05	3.8	0.1	<0.05	5	0.5
YC 120	Soil	0.018	14	31	0.39	222	0.047	<1	1.64	0.008	0.03	0.1	0.03	3.1	0.1	<0.05	5	<0.5
YC 121	Soil	0.015	13	31	0.39	190	0.047	<1	1.54	0.008	0.03	0.2	0.02	3.1	<0.1	<0.05	5	<0.5
YC 122	Soil	0.094	5	20	0.59	492	0.080	<1	1.75	0.011	0.10	<0.1	0.01	1.7	<0.1	<0.05	6	<0.5



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	Method Analyte Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	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
YC 123	Soil		0.9	11.7	8.4	46	0.1	13.7	6.7	174	2.32	7.3	0.4	2.1	2.4	14	0.1	0.4	0.2	58	0.19
YC 124	Soil		0.5	11.6	5.5	98	<0.1	13.6	11.6	1360	2.28	2.6	0.2	0.9	0.7	19	0.2	0.2	0.1	55	0.36
YC 125	Soil		0.8	15.9	8.3	120	<0.1	18.4	12.9	506	3.17	4.2	0.2	1.0	1.0	22	0.1	0.3	0.1	66	0.27
YC 126	Soil		0.6	11.1	5.5	155	<0.1	12.1	14.3	1332	3.46	2.9	0.3	1.0	1.4	24	0.2	0.3	<0.1	87	0.36
YC 127	Soil		0.8	15.4	9.1	48	0.1	17.8	7.9	369	2.61	24.9	0.4	1.9	2.3	20	<0.1	0.7	0.2	58	0.31
YC 128	Soil		0.9	21.1	7.3	60	0.1	42.7	11.1	309	2.86	6.7	0.5	1.5	2.6	33	<0.1	0.6	0.1	73	0.45
YC 129	Soil		1.0	18.2	6.2	91	<0.1	16.1	13.1	1121	2.65	3.9	0.3	2.3	1.3	19	0.2	0.3	0.1	68	0.29
YC 130	Soil		0.5	110.8	3.7	104	0.1	18.1	23.6	590	4.72	5.0	0.1	1.0	0.7	19	<0.1	0.3	<0.1	167	0.22
YC 131	Soil		0.7	75.2	2.3	129	<0.1	19.7	20.7	722	4.90	2.5	0.3	1.9	0.6	26	<0.1	0.1	<0.1	100	0.21
YC 132	Soil		0.9	16.7	6.5	125	<0.1	15.2	14.9	2076	2.43	4.3	0.3	0.5	2.0	25	0.2	0.4	0.2	57	0.33
YC 133	Soil		0.7	26.1	7.4	50	0.1	18.0	9.3	537	2.72	7.2	0.5	2.6	2.9	22	<0.1	0.5	0.2	77	0.29
YC 134	Soil		0.7	17.0	5.1	57	<0.1	33.6	14.5	997	2.73	4.4	0.3	<0.5	1.5	21	0.1	0.4	<0.1	76	0.33
YC 135	Soil		0.3	26.7	4.0	73	<0.1	17.0	27.6	1781	5.54	<0.5	0.3	<0.5	0.9	103	0.1	0.6	<0.1	121	2.28
YC 136	Soil		0.3	6.4	2.6	60	<0.1	18.2	15.0	348	2.91	3.2	0.1	<0.5	0.7	21	<0.1	0.1	<0.1	80	0.50
YC 137	Soil		0.9	11.4	7.0	90	<0.1	12.3	8.6	1005	2.07	4.4	0.3	1.6	1.3	18	0.1	0.4	0.2	56	0.23
YC 138	Soil		0.6	21.7	5.6	85	<0.1	19.1	19.0	820	3.14	3.8	0.3	0.8	1.2	18	<0.1	0.2	0.1	78	0.30
YC 139	Soil		0.7	24.3	6.0	114	0.1	19.4	13.7	3157	2.79	3.3	0.3	0.9	1.5	14	0.1	0.3	0.2	67	0.18
YC 140	Soil		0.8	12.4	6.4	77	<0.1	14.1	11.0	1152	2.41	4.6	0.3	1.3	1.0	13	0.1	0.4	0.1	66	0.16



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

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www.acmelab.com

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

Project: WHITE
Report Date: July 31, 2009

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CERTIFICATE OF ANALYSIS

VAN09003105.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		P	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
		0.001	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
YC 123	Soil	0.017	8	27	0.42	224	0.066	<1	1.47	0.008	0.06	0.1	<0.01	2.1	<0.1	<0.05	5	<0.5
YC 124	Soil	0.181	3	47	0.79	419	0.088	<1	1.72	0.020	0.10	<0.1	<0.01	2.3	<0.1	<0.05	6	<0.5
YC 125	Soil	0.104	4	35	0.85	265	0.126	<1	2.13	0.012	0.11	0.1	<0.01	2.0	0.2	<0.05	7	<0.5
YC 126	Soil	0.062	5	34	0.95	540	0.099	<1	2.11	0.015	0.20	<0.1	0.01	4.9	<0.1	<0.05	8	<0.5
YC 127	Soil	0.021	8	31	0.45	321	0.063	<1	1.41	0.013	0.08	0.1	0.01	2.7	<0.1	<0.05	5	<0.5
YC 128	Soil	0.020	10	98	0.67	1274	0.079	<1	1.83	0.012	0.07	0.1	0.02	5.3	0.1	<0.05	7	<0.5
YC 129	Soil	0.031	6	31	0.73	332	0.119	<1	1.85	0.015	0.10	0.4	0.01	2.1	<0.1	<0.05	6	<0.5
YC 130	Soil	0.021	2	19	1.51	292	0.266	<1	2.79	0.011	0.80	<0.1	<0.01	2.5	0.4	<0.05	7	<0.5
YC 131	Soil	0.016	2	17	2.35	284	0.225	<1	3.55	0.011	1.47	<0.1	<0.01	3.6	0.7	<0.05	8	<0.5
YC 132	Soil	0.049	7	26	0.46	493	0.068	<1	1.49	0.013	0.06	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5
YC 133	Soil	0.021	9	31	0.58	328	0.064	<1	1.76	0.012	0.06	<0.1	0.02	3.9	<0.1	<0.05	6	<0.5
YC 134	Soil	0.027	6	76	1.28	444	0.125	<1	2.04	0.015	0.57	<0.1	0.02	2.7	0.2	<0.05	6	<0.5
YC 135	Soil	0.062	6	44	1.28	589	0.015	2	1.19	0.016	0.29	<0.1	0.02	19.2	0.1	<0.05	3	<0.5
YC 136	Soil	0.083	2	99	2.26	312	0.181	<1	2.63	0.010	0.38	0.1	<0.01	2.6	0.1	<0.05	8	<0.5
YC 137	Soil	0.076	7	23	0.36	309	0.054	<1	1.36	0.014	0.04	0.1	0.01	1.8	<0.1	<0.05	6	<0.5
YC 138	Soil	0.105	5	99	1.35	472	0.179	<1	2.35	0.018	0.16	0.2	0.01	2.7	0.1	<0.05	8	<0.5
YC 139	Soil	0.074	6	29	0.47	533	0.088	<1	1.69	0.018	0.09	<0.1	0.02	2.2	0.1	<0.05	7	<0.5
YC 140	Soil	0.043	6	31	0.55	263	0.073	<1	1.50	0.012	0.05	<0.1	0.02	1.9	<0.1	<0.05	6	<0.5



Acme Analytical Laboratories (Vancouver) Ltd.

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

www.acmelab.com

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

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QUALITY CONTROL REPORT

VAN09003105.1

	Method Analyte Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	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
Pulp Duplicates																					
YH 118	Soil		0.6	19.7	8.9	43	<0.1	17.8	8.0	198	2.21	8.7	0.9	2.2	4.1	17	<0.1	0.6	0.2	52	0.17
REP YH 118	QC		0.6	20.2	8.9	41	<0.1	19.1	8.3	202	2.33	8.7	0.9	2.3	4.0	17	<0.1	0.6	0.2	54	0.17
YH 122	Soil		1.1	15.6	14.5	40	<0.1	17.1	8.8	205	2.81	13.7	0.5	1.6	3.4	11	<0.1	0.9	0.2	60	0.11
REP YH 122	QC		1.2	15.6	13.8	39	<0.1	17.3	9.2	212	2.81	13.3	0.5	3.0	3.3	11	<0.1	0.8	0.2	60	0.11
YH 149	Soil		0.7	34.3	9.2	62	<0.1	23.8	11.4	375	3.25	11.1	1.2	1.2	5.6	34	<0.1	0.7	0.2	72	0.35
REP YH 149	QC		0.8	37.1	9.8	64	<0.1	24.6	11.5	375	3.32	11.1	1.3	1.2	5.7	35	<0.1	0.6	0.1	72	0.36
YH 168	Soil		0.6	23.2	13.4	56	<0.1	60.0	21.0	387	3.26	6.1	0.5	<0.5	3.4	18	<0.1	0.3	0.2	77	0.26
REP YH 168	QC		0.6	23.6	14.0	60	<0.1	61.2	20.9	396	3.33	5.9	0.6	<0.5	3.7	20	<0.1	0.3	0.2	82	0.27
YC 114	Soil		0.9	27.3	9.3	75	<0.1	34.1	14.7	265	4.29	9.0	1.2	1.3	7.5	9	<0.1	0.6	0.1	63	0.07
REP YC 114	QC		1.0	25.7	9.4	76	<0.1	33.6	14.3	259	4.16	9.2	1.3	1.3	7.8	10	<0.1	0.5	0.1	63	0.07
YC 138	Soil		0.6	21.7	5.6	85	<0.1	19.1	19.0	820	3.14	3.8	0.3	0.8	1.2	18	<0.1	0.2	0.1	78	0.30
REP YC 138	QC		0.7	22.0	5.6	85	<0.1	17.6	18.3	829	3.04	3.9	0.3	1.0	1.1	17	<0.1	0.2	0.1	77	0.29
Reference Materials																					
STD DS7	Standard		20.4	107.0	67.0	394	0.8	53.4	9.3	628	2.44	51.4	5.0	67.8	4.6	72	7.0	6.1	4.8	83	0.93
STD DS7	Standard		19.1	108.9	67.5	380	0.8	51.0	9.4	618	2.34	50.7	5.0	69.6	4.6	69	6.6	6.0	4.7	84	0.93
STD DS7	Standard		21.1	102.2	68.2	365	0.8	53.8	9.3	612	2.36	48.5	4.7	62.2	4.2	68	5.6	5.2	4.3	82	0.97
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
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
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
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



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Underworld Resources, Inc.**

1500 - 409 Granville Street

Vancouver BC V6C 1T2 Canada

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QUALITY CONTROL REPORT

VAN09003105.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		P	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
		0.001	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																		
YH 118	Soil	0.026	14	29	0.45	250	0.055	<1	1.55	0.012	0.03	0.1	0.03	3.4	<0.1	<0.05	4	0.6
REP YH 118	QC	0.025	13	31	0.45	249	0.055	<1	1.54	0.009	0.03	0.1	0.03	3.4	<0.1	<0.05	4	<0.5
YH 122	Soil	0.029	9	31	0.35	208	0.042	1	1.91	0.007	0.04	0.2	0.02	2.4	0.1	<0.05	5	<0.5
REP YH 122	QC	0.029	8	31	0.35	207	0.041	<1	1.94	0.007	0.04	0.2	0.02	2.4	0.1	<0.05	5	<0.5
YH 149	Soil	0.031	16	42	0.71	501	0.097	<1	1.88	0.014	0.14	0.1	0.02	6.2	0.1	<0.05	6	0.6
REP YH 149	QC	0.034	16	41	0.73	498	0.101	<1	1.98	0.015	0.14	0.1	0.02	6.1	0.2	<0.05	7	0.7
YH 168	Soil	0.054	13	122	1.94	576	0.180	<1	2.77	0.011	0.49	0.1	0.01	2.3	0.3	<0.05	7	<0.5
REP YH 168	QC	0.056	14	129	1.96	581	0.193	<1	2.76	0.011	0.52	0.1	<0.01	2.6	0.3	<0.05	7	<0.5
YC 114	Soil	0.013	17	48	0.83	152	0.109	<1	2.61	0.008	0.40	0.1	0.02	4.2	0.3	<0.05	8	<0.5
REP YC 114	QC	0.014	18	46	0.84	159	0.107	<1	2.67	0.009	0.38	<0.1	0.01	4.0	0.3	<0.05	8	<0.5
YC 138	Soil	0.105	5	99	1.35	472	0.179	<1	2.35	0.018	0.16	0.2	0.01	2.7	0.1	<0.05	8	<0.5
REP YC 138	QC	0.103	5	98	1.30	453	0.173	<1	2.33	0.018	0.15	0.1	0.02	2.5	0.1	<0.05	8	<0.5
Reference Materials																		
STD DS7	Standard	0.081	13	206	0.98	409	0.120	36	0.98	0.089	0.47	4.0	0.19	2.5	4.3	0.16	5	3.7
STD DS7	Standard	0.076	13	198	0.99	405	0.123	40	1.01	0.095	0.48	3.8	0.19	2.5	4.2	0.18	5	3.3
STD DS7	Standard	0.071	13	210	0.98	393	0.115	36	0.95	0.094	0.46	3.5	0.20	2.3	4.1	0.17	5	3.9
STD DS7 Expected		0.08	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	<0.001	<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	<0.001	<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	<0.001	<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