



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: July 14, 2009  
Report Date: July 24, 2009  
Page: 1 of 15

## CERTIFICATE OF ANALYSIS

VAN09002930.1

### CLIENT JOB INFORMATION

Project: TSL  
Shipment ID:  
P.O. Number  
Number of Samples: 405

### 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:

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	405	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	405	Dry at 60C			VAN
1DX15	405	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.



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

Project: TSL  
Report Date: July 24, 2009

Page: 2 of 15 Part 1

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	Method	Analyte	Unit	MDL	WGHT	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	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	
TSL 39061	Soil				0.7	17.9	9.6	64	<0.1	18.9	26.9	772	4.26	3.3	0.5	1.8	5.5	27	<0.1	0.2	0.1	89	0.41		
TSL 39062	Soil				1.7	34.3	13.5	95	<0.1	33.7	17.2	549	4.49	26.5	1.1	8.0	17.3	22	0.1	0.7	0.1	45	0.32		
TSL 39063	Soil				0.7	17.8	9.3	48	<0.1	14.6	10.1	343	2.67	4.8	0.7	7.3	3.7	32	<0.1	0.4	0.1	63	0.40		
TSL 39064	Soil				0.6	22.8	10.0	54	<0.1	18.8	11.1	335	2.87	6.3	0.7	2.9	5.5	29	0.1	0.4	0.1	65	0.39		
TSL 39065	Soil				0.9	22.2	8.9	48	<0.1	17.5	10.3	283	2.51	6.5	0.8	4.6	3.5	30	0.1	0.4	0.1	65	0.37		
TSL 39066	Soil				0.8	17.1	9.2	47	<0.1	15.0	8.3	203	2.48	7.2	0.7	5.5	3.2	24	0.1	0.4	0.1	65	0.31		
TSL 39067	Soil				0.6	17.6	6.5	46	<0.1	13.6	9.0	248	1.88	4.0	0.7	0.9	1.4	32	0.2	0.3	0.1	47	0.38		
TSL 39068	Soil				0.7	23.8	7.9	54	<0.1	20.1	10.5	324	2.43	6.3	0.9	1.9	2.8	31	0.1	0.4	0.1	60	0.41		
TSL 39069	Soil				0.5	21.3	6.8	48	<0.1	19.6	9.4	306	2.11	5.0	0.7	3.6	2.2	35	0.1	0.5	0.1	57	0.51		
TSL 40572	Soil				1.2	39.4	8.2	61	0.1	33.1	13.8	468	3.04	15.7	1.0	5.4	4.0	24	0.2	0.2	0.1	83	0.35		
TSL 40574	Soil				1.2	39.6	9.7	72	<0.1	39.8	15.2	554	2.93	26.4	1.0	3.4	3.8	28	0.2	0.4	0.1	76	0.47		
TSL 40575	Soil				0.9	24.2	7.6	57	<0.1	27.1	13.3	424	2.33	15.5	0.8	6.8	3.0	22	0.1	0.3	0.2	64	0.36		
TSL 40576	Soil				0.7	14.8	10.5	59	<0.1	21.7	16.4	1039	2.74	6.6	0.6	3.6	3.5	21	0.1	0.2	0.2	73	0.30		
TSL 40599	Soil				2.0	41.2	9.1	77	0.1	57.6	18.1	455	3.76	50.5	1.3	8.1	5.8	26	0.1	0.4	0.2	95	0.47		
TSL 40162	Soil				1.8	157.2	13.9	123	<0.1	18.0	16.5	460	4.36	13.7	0.9	2.4	3.9	21	0.1	0.3	0.2	68	0.27		
TSL 40163	Soil				1.1	30.2	18.4	72	<0.1	13.5	9.7	368	3.29	9.0	0.7	2.1	3.8	17	<0.1	0.4	0.2	77	0.19		
TSL 40164	Soil				0.6	17.6	62.7	83	<0.1	19.3	10.2	521	3.69	2.6	0.7	1.6	4.0	13	<0.1	0.2	0.4	51	0.17		
TSL 40165	Soil				0.7	22.9	14.8	45	0.1	8.9	4.6	168	1.94	2.3	1.4	0.6	1.9	27	<0.1	0.1	0.1	36	0.24		
TSL 40166	Soil				1.6	45.0	7.6	65	<0.1	8.7	7.2	334	2.88	7.0	1.6	1.8	3.1	19	0.1	0.2	0.2	49	0.13		
TSL 40167	Soil				1.0	42.0	8.8	62	<0.1	13.2	8.0	508	2.60	16.3	2.0	5.1	2.7	47	0.2	0.2	0.2	46	0.40		
TSL 40168	Soil				0.7	30.0	17.9	82	<0.1	18.9	13.2	547	3.82	3.9	1.1	1.9	3.5	26	0.1	0.2	0.2	62	0.30		
TSL 40169	Soil				0.5	30.0	21.6	81	<0.1	17.0	11.7	542	3.70	4.4	1.1	0.8	3.5	25	<0.1	0.2	0.2	59	0.28		
TSL 40170	Soil				0.6	14.0	21.2	69	<0.1	12.8	8.6	388	2.96	4.8	0.8	<0.5	3.6	21	<0.1	0.2	0.2	55	0.22		
TSL 40171	Soil				0.7	22.7	21.0	64	<0.1	14.3	7.8	336	2.68	3.3	1.1	0.8	3.2	24	0.1	0.2	0.2	57	0.26		
TSL 39244	Soil				0.6	22.2	24.0	64	0.1	12.3	7.0	310	2.67	3.4	1.7	0.8	2.6	28	0.2	0.2	0.3	52	0.28		
TSL 39245	Soil				0.6	23.5	14.4	74	0.2	27.8	10.0	347	2.99	6.0	1.6	2.8	3.4	39	<0.1	0.3	0.2	63	0.45		
TSL 39246	Soil				0.7	17.5	11.5	68	<0.1	13.5	7.7	460	2.85	4.3	0.9	2.1	3.6	22	<0.1	0.2	0.2	51	0.23		
TSL 39247	Soil				1.0	17.3	12.3	61	<0.1	10.3	5.5	233	2.46	5.8	0.7	2.1	2.9	34	<0.1	0.3	0.2	56	0.26		
TSL 40285	Soil				0.7	9.4	11.2	20	<0.1	3.7	1.7	84	0.85	1.0	0.3	2.0	0.5	17	0.1	0.2	0.1	33	0.16		
TSL 40286	Soil				1.3	15.0	13.4	42	<0.1	14.7	6.5	185	3.16	9.3	0.5	0.9	2.3	15	<0.1	0.5	0.2	86	0.12		



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

Project: TSL  
Report Date: July 24, 2009

Page: 2 of 15 Part 2

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	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	Ti	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
TSL 39061	Soil	0.062	15	41	1.59	318	0.236	2	2.60	0.010	0.80	<0.1	0.01	2.7	0.3	0.05	7	<0.5
TSL 39062	Soil	0.090	54	31	0.52	258	0.052	1	1.25	0.010	0.19	0.1	0.01	5.8	0.1	0.07	4	<0.5
TSL 39063	Soil	0.049	12	33	0.62	253	0.090	1	1.54	0.018	0.06	0.1	<0.01	3.9	<0.1	0.06	5	<0.5
TSL 39064	Soil	0.061	14	30	0.56	207	0.090	1	1.47	0.021	0.08	<0.1	0.02	4.0	<0.1	0.06	5	<0.5
TSL 39065	Soil	0.046	13	30	0.52	213	0.087	2	1.58	0.016	0.04	0.2	0.03	4.0	<0.1	<0.05	5	<0.5
TSL 39066	Soil	0.050	11	27	0.49	169	0.081	3	1.62	0.015	0.04	0.2	0.02	2.8	<0.1	<0.05	5	<0.5
TSL 39067	Soil	0.056	10	23	0.42	204	0.059	3	1.27	0.017	0.04	0.2	0.02	2.6	<0.1	<0.05	4	<0.5
TSL 39068	Soil	0.058	12	29	0.50	224	0.078	1	1.50	0.020	0.04	0.2	0.03	3.3	<0.1	<0.05	5	<0.5
TSL 39069	Soil	0.061	11	25	0.47	220	0.076	2	1.33	0.022	0.04	0.2	0.03	2.8	<0.1	<0.05	4	<0.5
TSL 40572	Soil	0.043	15	50	0.83	491	0.122	1	1.82	0.016	0.13	0.2	0.02	4.1	0.1	<0.05	7	0.6
TSL 40574	Soil	0.067	15	58	0.85	444	0.115	4	1.70	0.019	0.15	0.2	0.01	4.0	0.1	<0.05	6	<0.5
TSL 40575	Soil	0.059	11	45	0.70	314	0.096	1	1.41	0.015	0.14	0.2	0.04	2.6	0.1	<0.05	5	0.6
TSL 40576	Soil	0.056	11	34	0.66	184	0.108	2	1.44	0.015	0.09	0.2	<0.01	2.2	0.1	<0.05	6	0.6
TSL 40599	Soil	0.067	20	79	1.00	654	0.089	4	1.95	0.013	0.22	0.2	0.02	6.9	0.2	<0.05	6	1.0
TSL 40162	Soil	0.016	20	25	0.69	353	0.121	1	1.79	0.024	0.20	<0.1	<0.01	7.0	<0.1	<0.05	7	0.6
TSL 40163	Soil	0.018	15	25	0.44	280	0.085	1	1.55	0.012	0.10	<0.1	<0.01	5.4	0.1	<0.05	6	<0.5
TSL 40164	Soil	0.035	14	35	0.78	333	0.166	<1	1.63	0.019	0.48	<0.1	<0.01	5.2	0.1	<0.05	8	<0.5
TSL 40165	Soil	0.044	29	14	0.33	397	0.085	1	1.16	0.014	0.15	0.1	0.03	3.4	<0.1	<0.05	6	<0.5
TSL 40166	Soil	0.038	22	18	0.49	303	0.091	3	1.62	0.013	0.19	0.1	0.02	3.8	<0.1	<0.05	7	0.5
TSL 40167	Soil	0.037	19	26	0.55	579	0.083	3	1.39	0.017	0.17	<0.1	0.04	4.2	0.1	<0.05	6	1.0
TSL 40168	Soil	0.056	14	34	0.88	341	0.141	3	1.97	0.023	0.24	<0.1	0.01	4.8	0.1	<0.05	7	<0.5
TSL 40169	Soil	0.050	15	30	0.86	337	0.141	2	1.96	0.020	0.26	<0.1	0.01	5.0	<0.1	<0.05	8	<0.5
TSL 40170	Soil	0.030	11	23	0.63	260	0.128	2	1.64	0.013	0.18	0.1	<0.01	3.8	<0.1	<0.05	7	<0.5
TSL 40171	Soil	0.042	15	27	0.53	359	0.106	2	1.52	0.018	0.11	0.1	<0.01	3.9	<0.1	<0.05	7	<0.5
TSL 39244	Soil	0.055	17	25	0.42	511	0.065	5	1.61	0.019	0.13	0.2	0.05	4.7	<0.1	<0.05	6	<0.5
TSL 39245	Soil	0.050	21	79	0.67	745	0.088	2	1.94	0.018	0.10	0.1	0.06	5.6	0.1	<0.05	8	<0.5
TSL 39246	Soil	0.037	15	21	0.43	436	0.080	2	1.44	0.014	0.12	<0.1	0.02	3.8	0.1	<0.05	6	<0.5
TSL 39247	Soil	0.023	12	21	0.41	454	0.088	2	1.37	0.015	0.08	0.1	<0.01	3.7	0.1	<0.05	6	0.6
TSL 40285	Soil	0.016	6	9	0.10	126	0.062	<1	0.60	0.012	0.05	<0.1	<0.01	0.9	<0.1	<0.05	5	<0.5
TSL 40286	Soil	0.023	9	31	0.40	148	0.101	<1	1.92	0.009	0.06	0.1	0.01	2.8	<0.1	<0.05	8	<0.5



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

Project: TSL  
Report Date: July 24, 2009

Page: 3 of 15 Part 1

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	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	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2
TSL 40287	Soil		0.9	15.9	10.3	33	<0.1	10.1	4.9	152	1.92	4.8	0.7	<0.5	1.0	14	<0.1	0.3	0.1	47	0.09
TSL 40288	Soil		1.2	14.9	10.4	56	<0.1	15.7	7.5	196	3.11	8.7	0.5	<0.5	2.2	14	<0.1	0.4	0.2	77	0.13
TSL 40289	Soil		1.2	14.5	9.9	104	<0.1	11.3	5.2	230	2.89	9.4	0.5	0.5	2.5	15	0.1	0.4	0.2	72	0.13
TSL 40290	Soil		0.8	14.1	8.3	43	<0.1	7.5	3.1	195	1.52	2.4	0.5	<0.5	0.6	11	0.2	0.2	0.1	35	0.07
TSL 40291	Soil		0.7	6.2	4.8	21	<0.1	4.2	2.2	93	1.19	1.7	0.2	<0.5	0.7	7	0.1	0.2	0.1	41	0.07
TSL 40292	Soil		0.8	24.8	18.4	84	0.1	16.0	7.8	410	2.42	3.6	1.8	<0.5	2.7	39	0.3	0.3	0.2	49	0.40
TSL 40293	Soil		0.9	27.6	11.6	65	0.1	11.9	5.5	206	2.00	2.9	1.2	0.9	1.4	25	0.2	0.2	0.2	33	0.28
TSL 40294	Soil		0.6	13.8	10.8	73	<0.1	11.9	5.1	194	2.13	2.8	0.8	1.6	2.1	15	<0.1	0.2	0.2	35	0.17
TSL 40295	Soil		0.9	14.2	7.1	41	0.1	6.9	3.0	122	1.85	4.1	1.0	4.2	0.8	22	0.1	0.2	0.1	27	0.25
TSL 40302	Soil		0.6	49.0	13.7	82	0.2	11.2	10.4	259	2.58	4.8	0.9	1.3	1.6	35	0.2	0.2	0.2	49	0.26
TSL 40304	Soil		0.9	43.0	14.7	71	0.2	10.1	9.5	184	2.28	4.0	0.9	1.4	1.5	42	0.2	0.1	0.1	42	0.32
TSL 40305	Soil		1.0	56.5	13.6	81	0.1	13.1	12.1	229	2.97	6.0	0.6	2.6	2.0	29	0.2	0.2	0.1	64	0.23
TSL 38247	Soil		2.1	71.3	17.4	129	0.1	18.7	13.5	461	3.72	13.6	1.2	3.0	3.3	33	0.3	0.4	0.2	77	0.41
TSL 38248	Soil		0.9	111.7	11.2	78	<0.1	10.0	19.0	446	3.61	2.9	0.5	<0.5	0.4	67	<0.1	0.1	<0.1	78	0.39
TSL 38249	Soil		0.6	169.7	6.3	66	<0.1	10.6	27.3	483	4.29	3.7	0.4	1.9	1.0	50	<0.1	0.2	<0.1	106	0.60
TSL 38250	Soil		0.4	58.0	6.0	81	<0.1	13.3	25.9	420	3.51	4.6	0.3	<0.5	0.9	23	<0.1	0.2	<0.1	99	0.45
TSL 38406	Soil		0.9	43.6	7.5	48	<0.1	14.0	12.3	224	3.29	5.2	0.6	1.5	1.1	21	<0.1	0.2	0.1	80	0.22
TSL 38407	Soil		1.2	29.9	9.3	78	<0.1	17.6	14.2	239	3.31	7.1	0.3	1.4	1.6	17	0.3	0.2	0.1	87	0.23
TSL 40106	Soil		0.5	66.5	9.0	62	<0.1	13.2	18.7	354	3.10	5.3	0.3	<0.5	1.0	21	<0.1	0.2	<0.1	80	0.42
TSL 40107	Soil		0.4	44.4	4.9	37	<0.1	11.0	14.1	226	2.79	2.1	0.1	0.7	0.5	13	<0.1	0.1	<0.1	101	0.39
TSL 40108	Soil		0.4	76.9	10.1	44	<0.1	12.8	14.6	287	3.01	3.6	0.2	<0.5	0.8	22	<0.1	0.2	0.1	101	0.51
TSL 40109	Soil		0.7	36.0	6.2	42	<0.1	14.6	25.3	373	4.16	7.9	0.3	<0.5	1.3	18	<0.1	0.3	0.1	112	0.39
TSL 40110	Soil		0.9	15.8	9.8	36	<0.1	11.0	14.2	288	3.78	5.3	0.4	<0.5	1.4	19	<0.1	0.3	<0.1	67	0.32
TSL 40111	Soil		0.5	27.2	4.6	38	<0.1	12.4	27.3	317	4.56	2.8	0.4	<0.5	1.4	20	<0.1	0.1	<0.1	116	0.29
TSL 40112	Soil		0.2	7.9	5.1	24	<0.1	23.5	15.5	250	2.89	1.1	0.3	<0.5	0.9	23	<0.1	0.1	<0.1	74	0.46
TSL 40113	Soil		0.7	15.0	7.6	37	<0.1	18.0	11.6	195	2.84	5.3	0.7	<0.5	2.3	17	<0.1	0.3	0.1	77	0.27
TSL 40114	Soil		0.6	28.5	4.2	36	<0.1	13.1	9.6	202	2.22	7.3	0.1	<0.5	0.5	11	<0.1	0.1	<0.1	53	0.20
TSL 40115	Soil		0.8	67.5	6.0	70	<0.1	9.2	10.2	213	2.93	2.9	0.3	<0.5	0.7	13	0.1	0.1	0.1	93	0.24
TSL 40116	Soil		3.8	163.9	7.6	56	<0.1	14.4	19.1	320	3.59	5.9	0.5	0.7	2.1	23	<0.1	0.2	<0.1	82	0.32
TSL 38041	Soil		2.3	32.3	51.4	116	<0.1	13.9	10.2	517	3.85	5.4	0.9	7.0	4.4	20	<0.1	0.3	0.2	57	0.26



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

Project: TSL  
Report Date: July 24, 2009

Page: 3 of 15 Part 2

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	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	Ti	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
TSL 40287	Soil	0.046	8	19	0.21	144	0.068	<1	1.41	0.016	0.04	0.1	0.03	2.2	<0.1	<0.05	5	<0.5
TSL 40288	Soil	0.035	7	28	0.37	155	0.087	2	1.86	0.012	0.05	0.1	<0.01	2.4	<0.1	<0.05	8	<0.5
TSL 40289	Soil	0.023	9	25	0.41	171	0.098	1	1.64	0.009	0.05	0.2	0.02	2.7	<0.1	<0.05	8	<0.5
TSL 40290	Soil	0.039	8	14	0.14	110	0.061	2	1.08	0.015	0.05	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5
TSL 40291	Soil	0.016	3	9	0.10	80	0.068	<1	0.49	0.014	0.03	0.1	<0.01	0.9	<0.1	<0.05	4	<0.5
TSL 40292	Soil	0.066	43	25	0.41	545	0.090	3	1.77	0.017	0.09	0.1	0.06	5.1	<0.1	<0.05	7	1.1
TSL 40293	Soil	0.044	14	18	0.40	239	0.099	1	1.27	0.014	0.13	0.1	0.04	2.9	<0.1	<0.05	5	<0.5
TSL 40294	Soil	0.036	10	20	0.46	157	0.116	2	1.40	0.012	0.12	0.2	0.04	3.1	0.1	<0.05	6	<0.5
TSL 40295	Soil	0.075	10	13	0.23	255	0.048	<1	0.78	0.015	0.07	<0.1	0.07	2.0	<0.1	0.07	3	0.5
TSL 40302	Soil	0.036	10	22	0.62	500	0.109	2	1.48	0.015	0.22	0.2	0.04	4.0	0.1	<0.05	6	<0.5
TSL 40304	Soil	0.054	10	19	0.48	527	0.088	2	1.32	0.026	0.10	<0.1	0.07	4.0	<0.1	<0.05	5	<0.5
TSL 40305	Soil	0.038	8	22	0.55	256	0.103	1	1.56	0.020	0.10	<0.1	0.03	4.2	0.1	<0.05	6	<0.5
TSL 38247	Soil	0.039	13	27	0.70	451	0.109	2	1.65	0.026	0.25	<0.1	0.04	5.9	0.2	0.06	6	1.1
TSL 38248	Soil	0.018	2	9	1.04	315	0.181	<1	1.98	0.027	0.47	<0.1	0.01	3.2	0.2	<0.05	5	<0.5
TSL 38249	Soil	0.031	4	14	0.95	279	0.146	1	1.84	0.043	0.25	<0.1	<0.01	6.4	<0.1	0.06	5	0.7
TSL 38250	Soil	0.018	3	15	0.85	155	0.155	<1	1.82	0.036	0.16	<0.1	0.01	6.4	<0.1	<0.05	5	0.8
TSL 38406	Soil	0.043	7	26	0.61	165	0.093	2	1.89	0.020	0.07	<0.1	0.04	5.2	<0.1	<0.05	6	0.7
TSL 38407	Soil	0.039	6	33	0.60	134	0.114	<1	1.89	0.022	0.07	<0.1	0.01	3.6	<0.1	<0.05	7	0.8
TSL 40106	Soil	0.017	3	16	0.77	139	0.152	<1	1.75	0.030	0.16	<0.1	0.01	4.3	<0.1	<0.05	5	<0.5
TSL 40107	Soil	0.027	2	30	0.70	92	0.163	<1	1.35	0.042	0.13	<0.1	<0.01	3.8	<0.1	<0.05	5	0.7
TSL 40108	Soil	0.019	3	15	0.77	86	0.144	<1	1.54	0.050	0.05	<0.1	0.02	4.5	<0.1	<0.05	5	<0.5
TSL 40109	Soil	0.030	3	18	0.83	191	0.170	<1	2.00	0.042	0.23	<0.1	0.02	5.8	0.1	<0.05	7	<0.5
TSL 40110	Soil	0.039	5	19	0.66	238	0.135	1	1.81	0.028	0.18	<0.1	0.02	4.6	<0.1	<0.05	7	0.5
TSL 40111	Soil	0.028	4	15	1.15	840	0.225	<1	2.23	0.024	0.48	<0.1	<0.01	5.9	0.2	<0.05	8	0.7
TSL 40112	Soil	0.041	5	57	1.04	254	0.141	<1	1.62	0.034	0.25	<0.1	<0.01	5.5	0.1	<0.05	5	<0.5
TSL 40113	Soil	0.027	9	30	0.59	256	0.129	2	1.78	0.025	0.05	<0.1	0.02	4.2	<0.1	<0.05	6	<0.5
TSL 40114	Soil	0.029	3	32	0.53	62	0.099	<1	1.11	0.022	0.06	<0.1	<0.01	2.8	<0.1	<0.05	4	<0.5
TSL 40115	Soil	0.026	4	14	0.52	60	0.141	<1	1.24	0.030	0.06	<0.1	0.01	3.8	<0.1	<0.05	7	<0.5
TSL 40116	Soil	0.045	7	24	0.81	245	0.163	<1	1.89	0.021	0.18	<0.1	0.02	4.0	<0.1	<0.05	8	0.5
TSL 38041	Soil	0.030	16	25	0.84	404	0.135	2	1.89	0.013	0.25	0.1	0.01	5.8	0.1	<0.05	8	<0.5



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

Project: TSL  
Report Date: July 24, 2009

Page: 4 of 15 Part 1

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	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 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
TSL 38042	Soil		1.5	26.9	24.5	79	<0.1	13.6	9.2	399	3.31	7.0	0.7	1.9	3.7	17	0.1	0.3	0.2	62	0.21
TSL 38043	Soil		2.0	65.2	26.7	150	<0.1	14.5	11.8	761	5.55	7.7	2.0	2.4	8.5	35	0.2	0.2	0.2	60	0.34
TSL 38044	Soil		1.1	47.3	11.5	96	<0.1	32.3	29.2	607	7.90	3.3	0.8	1.3	3.9	54	<0.1	<0.1	<0.1	127	0.77
TSL 38055	Soil		1.2	28.3	16.0	65	0.2	14.1	6.7	289	2.86	6.0	1.6	3.3	2.2	60	0.2	0.3	0.2	56	0.72
TSL 38056	Soil		2.5	69.5	13.1	125	<0.1	72.7	49.7	929	10.17	6.4	2.1	0.9	3.8	62	<0.1	<0.1	<0.1	125	0.64
TSL 38057	Soil		0.9	33.2	20.6	85	0.1	17.1	11.1	597	3.32	5.1	1.4	4.8	4.6	35	0.2	0.3	0.2	52	0.39
TSL 38058	Soil		1.2	33.5	15.5	78	0.2	17.0	9.7	350	2.92	6.8	1.3	1.2	2.5	31	0.2	0.3	0.2	59	0.37
TSL 38059	Soil		0.5	15.8	9.4	77	<0.1	10.9	6.6	305	2.69	5.2	0.7	<0.5	3.1	30	<0.1	0.2	0.1	47	0.41
TSL 38060	Soil		0.4	16.9	9.7	98	<0.1	4.7	7.5	463	4.08	2.3	0.5	<0.5	5.7	19	<0.1	<0.1	<0.1	36	0.24
TSL 38061	Soil		1.3	21.5	22.3	71	<0.1	13.5	10.4	538	3.54	4.7	1.3	1.8	6.2	26	<0.1	0.3	0.2	56	0.34
TSL 38062	Soil		0.6	34.7	15.0	93	<0.1	8.7	9.3	568	4.64	3.5	1.0	<0.5	4.6	17	<0.1	0.3	0.2	44	0.19
TSL 38063	Soil		1.2	24.4	14.5	82	<0.1	19.5	10.6	391	3.73	10.3	0.7	1.8	3.4	21	<0.1	0.4	0.2	58	0.20
TSL 38064	Soil		0.9	38.6	22.6	86	<0.1	17.8	11.1	574	3.44	7.0	0.7	3.1	4.4	21	<0.1	0.4	0.2	56	0.25
TSL 38065	Soil		1.5	81.4	19.8	178	<0.1	10.3	10.1	693	4.24	39.5	1.0	1.5	5.2	14	0.2	0.4	0.1	44	0.16
TSL 38066	Soil		1.9	26.6	23.6	84	<0.1	23.5	11.5	348	3.99	10.9	0.8	2.5	4.9	15	0.2	0.5	0.6	70	0.17
TSL 38067	Soil		1.4	27.5	11.1	61	<0.1	24.4	11.5	310	3.24	9.8	1.1	9.3	4.6	20	<0.1	0.6	0.2	64	0.20
TSL 38068	Soil		0.4	72.1	42.3	125	<0.1	144.9	26.3	797	4.28	9.7	0.3	<0.5	1.1	33	<0.1	0.1	0.2	111	0.40
TSL 38069	Soil		0.9	31.8	25.1	68	<0.1	13.3	10.5	450	3.58	8.5	0.4	2.7	1.8	12	<0.1	0.4	0.2	67	0.14
TSL 38070	Soil		0.8	76.6	32.9	312	<0.1	11.2	10.9	711	4.71	13.9	0.5	2.0	2.4	24	0.3	0.2	0.1	62	0.19
TSL 40558	Soil		1.0	43.0	17.7	77	<0.1	47.7	19.8	365	4.30	118.1	1.2	1.4	10.8	15	<0.1	0.3	0.2	47	0.17
TSL 40559	Soil		1.2	31.1	11.9	55	<0.1	30.6	14.1	370	3.26	70.9	0.9	5.7	9.4	19	<0.1	0.3	0.2	63	0.23
TSL 40560	Soil		1.2	26.7	10.7	52	<0.1	29.0	11.4	257	3.55	33.1	0.6	1.9	6.2	15	<0.1	0.3	0.2	66	0.18
TSL 40561	Soil		1.0	21.7	10.1	51	<0.1	26.6	12.9	260	3.17	22.9	0.7	1.3	6.6	18	<0.1	0.3	0.1	63	0.23
TSL 40562	Soil		1.8	53.6	9.7	83	<0.1	105.5	34.0	667	5.63	14.4	0.7	<0.5	8.1	63	<0.1	0.1	0.1	70	1.18
TSL 40573	Soil		0.7	37.1	12.3	65	<0.1	39.4	14.0	390	2.99	17.6	1.0	8.2	6.1	24	0.1	0.2	0.2	73	0.45
TSL 40600	Soil		1.4	26.7	11.4	67	<0.1	41.1	15.7	359	3.84	10.6	0.7	2.1	7.0	16	<0.1	0.2	0.2	67	0.30
TSL 40604	Soil		2.9	35.9	14.8	90	0.1	82.6	24.4	571	4.54	37.1	0.7	2.8	4.1	43	<0.1	0.2	0.2	82	0.59
TSL 40605	Soil		2.2	28.1	12.2	75	0.2	37.0	15.8	322	3.62	20.8	1.2	7.0	6.0	24	0.1	0.3	0.2	65	0.37
TSL 40606	Soil		2.4	16.6	10.4	59	0.2	22.6	9.3	225	2.39	15.8	0.6	6.7	2.4	19	0.1	0.2	0.2	55	0.25
TSL 40607	Soil		2.5	22.4	12.8	82	0.1	31.8	12.9	309	3.16	35.1	0.8	7.0	4.0	21	0.3	0.3	0.2	72	0.26



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

Project: TSL  
Report Date: July 24, 2009

Page: 4 of 15 Part 2

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	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
TSL 38042	Soil	0.029	12	29	0.60	292	0.123	<1	1.74	0.012	0.12	0.1	0.02	4.5	0.1	<0.05	8	<0.5
TSL 38043	Soil	0.062	27	23	1.48	554	0.142	2	2.50	0.011	0.85	<0.1	0.01	8.4	0.4	<0.05	12	1.1
TSL 38044	Soil	0.043	32	75	3.54	610	0.297	1	3.62	0.012	0.76	<0.1	<0.01	11.7	0.4	<0.05	13	0.9
TSL 38055	Soil	0.045	19	32	0.53	626	0.085	1	1.94	0.020	0.08	0.2	0.04	4.3	0.1	<0.05	8	0.6
TSL 38056	Soil	0.044	17	172	4.13	770	0.236	1	4.76	0.016	1.76	<0.1	<0.01	14.5	0.9	0.21	17	1.0
TSL 38057	Soil	0.039	23	29	0.69	547	0.084	1	1.88	0.015	0.13	0.1	0.03	5.9	0.1	<0.05	7	1.0
TSL 38058	Soil	0.035	18	32	0.50	365	0.089	2	1.92	0.020	0.07	0.1	0.03	4.4	<0.1	<0.05	7	<0.5
TSL 38059	Soil	0.020	13	21	1.04	322	0.134	1	1.84	0.017	0.15	0.1	0.02	3.9	0.2	<0.05	8	<0.5
TSL 38060	Soil	0.029	9	8	1.71	322	0.252	<1	2.45	0.013	0.89	<0.1	<0.01	8.2	0.3	<0.05	13	<0.5
TSL 38061	Soil	0.032	24	26	0.79	586	0.145	1	1.94	0.015	0.27	<0.1	0.02	6.4	0.1	<0.05	8	<0.5
TSL 38062	Soil	0.027	3	24	0.78	200	0.167	1	1.80	0.009	0.64	0.1	<0.01	6.8	0.3	<0.05	9	<0.5
TSL 38063	Soil	0.020	9	28	0.69	319	0.156	2	2.11	0.010	0.27	<0.1	0.02	3.6	0.1	<0.05	7	<0.5
TSL 38064	Soil	0.023	19	36	0.62	383	0.097	2	1.78	0.016	0.22	<0.1	0.01	5.2	0.1	<0.05	7	<0.5
TSL 38065	Soil	0.021	9	18	0.74	199	0.151	2	1.85	0.014	0.62	<0.1	0.01	7.9	0.2	<0.05	9	<0.5
TSL 38066	Soil	0.057	9	42	0.44	270	0.058	3	3.24	0.011	0.11	0.1	0.02	5.1	<0.1	<0.05	8	<0.5
TSL 38067	Soil	0.022	12	40	0.51	552	0.050	4	2.26	0.015	0.07	0.1	0.02	5.6	<0.1	<0.05	6	<0.5
TSL 38068	Soil	0.041	7	292	2.88	632	0.226	1	3.13	0.023	0.94	<0.1	<0.01	5.8	0.5	<0.05	9	<0.5
TSL 38069	Soil	0.036	7	23	0.40	145	0.061	2	1.51	0.010	0.14	0.1	0.02	4.9	0.1	<0.05	7	<0.5
TSL 38070	Soil	0.067	8	17	1.23	275	0.211	<1	2.48	0.010	1.05	<0.1	<0.01	8.8	0.3	<0.05	11	<0.5
TSL 40558	Soil	0.025	23	43	0.53	178	0.071	2	1.65	0.009	0.34	<0.1	<0.01	4.7	0.3	<0.05	6	<0.5
TSL 40559	Soil	0.026	31	41	0.63	178	0.091	2	1.94	0.014	0.08	<0.1	0.02	4.4	0.2	<0.05	7	<0.5
TSL 40560	Soil	0.030	12	39	0.60	120	0.103	2	2.00	0.009	0.16	0.1	0.01	3.4	0.2	<0.05	8	<0.5
TSL 40561	Soil	0.028	18	38	0.55	199	0.091	1	1.93	0.012	0.13	<0.1	0.01	3.0	0.1	<0.05	6	<0.5
TSL 40562	Soil	0.391	21	85	1.32	216	0.156	1	2.60	0.018	0.73	0.1	0.02	3.8	0.5	<0.05	10	<0.5
TSL 40573	Soil	0.083	17	60	1.13	480	0.146	1	1.88	0.013	0.38	0.1	0.01	3.8	0.2	<0.05	7	<0.5
TSL 40600	Soil	0.063	21	56	0.82	158	0.144	2	2.14	0.010	0.27	<0.1	0.02	3.4	0.3	<0.05	8	<0.5
TSL 40604	Soil	0.192	18	92	1.19	196	0.142	2	2.16	0.013	0.57	<0.1	0.02	3.1	0.3	<0.05	9	<0.5
TSL 40605	Soil	0.085	24	46	0.70	320	0.117	2	1.84	0.012	0.21	0.2	0.03	3.5	0.2	<0.05	7	<0.5
TSL 40606	Soil	0.039	11	29	0.40	214	0.082	2	1.27	0.013	0.11	0.1	0.01	2.3	0.2	0.05	6	<0.5
TSL 40607	Soil	0.054	14	44	0.57	237	0.098	3	1.77	0.011	0.10	0.1	0.02	3.2	0.2	<0.05	7	<0.5



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

Project: TSL  
Report Date: July 24, 2009

Page: 5 of 15 Part 1

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	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
TSL 40331	Soil			0.7	16.4	8.6	59	<0.1	15.0	7.6	257	2.56	5.3	1.0	3.5	2.3	20	0.1	0.3	0.1	57
TSL 40332	Soil			0.9	15.7	10.9	67	<0.1	15.4	12.5	537	2.96	7.1	0.9	2.2	2.9	18	0.2	0.3	0.1	61
TSL 40333	Soil			0.9	18.6	12.9	81	<0.1	17.2	12.0	505	2.80	6.9	0.9	5.5	3.4	21	0.1	0.3	0.2	60
TSL 40334	Soil			0.7	22.3	21.1	141	<0.1	18.6	12.3	365	3.05	6.0	0.7	4.0	3.7	22	0.2	0.3	0.2	72
TSL 40335	Soil			1.0	31.8	14.9	101	<0.1	14.0	8.5	265	2.50	4.8	0.6	4.5	2.0	19	0.1	0.3	0.2	65
TSL 40336	Soil			1.0	26.3	14.8	114	<0.1	14.4	8.9	316	3.01	6.2	0.5	10.4	2.6	19	0.1	0.3	0.2	58
TSL 40337	Soil			0.8	27.1	12.4	89	<0.1	11.8	7.8	268	2.46	5.2	0.6	6.4	1.8	15	0.2	0.3	0.1	49
TSL 40340	Soil			1.1	202.9	60.9	490	0.4	29.9	15.9	825	4.66	11.1	1.3	5.2	3.1	29	0.7	0.1	0.5	112
TSL 40342	Soil			0.8	119.3	24.3	404	0.2	47.5	48.7	1568	6.34	1.8	0.6	2.3	1.5	69	0.6	0.1	0.1	188
TSL 40343	Soil			1.5	38.9	12.5	118	<0.1	21.3	10.1	389	3.75	4.8	0.6	1.3	2.7	22	<0.1	0.2	0.1	55
TSL 40345	Soil			0.6	44.9	31.3	127	<0.1	51.7	13.0	422	3.22	13.8	0.5	2.8	3.8	20	<0.1	0.3	0.1	69
TSL 40347	Soil			1.2	13.4	15.3	66	<0.1	10.0	6.3	257	3.35	7.0	0.6	0.7	3.1	10	<0.1	0.3	0.2	64
TSL 40348	Soil			0.6	19.5	16.0	35	<0.1	6.8	3.5	149	1.35	2.2	1.1	2.2	1.8	18	0.1	0.2	0.1	32
TSL 40349	Soil			1.3	65.8	13.6	75	<0.1	13.7	8.9	390	3.64	9.2	1.2	2.6	4.7	16	<0.1	0.3	0.2	38
TSL 40350	Soil			1.5	47.0	8.7	160	<0.1	23.0	9.5	1040	3.72	17.8	1.3	0.9	4.6	20	<0.1	0.2	0.2	59
TSL 40352	Soil			0.6	18.4	7.1	62	<0.1	14.9	10.5	380	2.76	5.6	0.8	2.7	3.3	18	<0.1	0.3	0.1	53
TSL 40353	Soil			0.8	20.2	12.3	57	<0.1	15.8	8.3	351	2.76	8.2	0.9	1.1	3.0	18	<0.1	0.3	0.2	61
TSL 40356	Soil			0.4	13.4	32.8	134	<0.1	10.4	10.3	426	3.42	4.4	0.7	2.5	3.3	18	<0.1	0.2	0.2	40
TSL 40357	Soil			0.5	14.4	19.3	85	<0.1	10.9	6.8	480	3.32	4.3	0.8	2.4	3.7	16	<0.1	0.3	0.2	37
TSL 40358	Soil			1.8	20.8	16.1	77	<0.1	17.1	10.1	327	2.86	12.0	0.7	7.2	3.4	16	0.2	0.4	0.2	57
TSL 40359	Soil			1.1	13.1	12.4	69	<0.1	12.0	7.5	283	2.96	7.2	0.7	7.1	3.0	23	0.1	0.3	0.2	56
TSL 40360	Soil			1.0	15.0	12.9	78	<0.1	13.3	8.9	343	3.12	7.1	0.7	4.8	3.3	21	0.1	0.3	0.2	52
TSL 39443	Soil			0.9	17.4	14.5	54	<0.1	17.0	9.7	201	2.93	8.7	0.5	1.1	2.9	19	<0.1	0.5	0.2	58
TSL 39444	Soil			0.8	21.4	15.1	60	<0.1	19.1	9.7	299	3.13	8.5	0.6	2.5	3.5	20	<0.1	0.6	0.2	58
TSL 39445	Soil			0.8	20.4	17.1	58	0.1	13.2	6.5	484	2.24	5.6	0.6	<0.5	1.9	20	0.2	0.3	0.2	45
TSL 39446	Soil			0.6	40.9	26.9	217	<0.1	59.0	16.2	871	4.46	12.5	0.7	1.2	2.9	55	0.1	0.3	0.2	132
TSL 39447	Soil			0.9	41.9	13.2	124	<0.1	15.6	10.3	413	3.58	13.1	0.6	5.5	2.4	22	0.2	0.3	0.2	65
TSL 39448	Soil			1.4	34.8	18.9	97	<0.1	21.5	11.3	387	3.49	15.2	1.0	<0.5	4.5	21	0.1	0.3	0.2	73
TSL 39449	Soil			0.7	26.5	4.3	25	0.2	8.7	5.0	99	1.37	3.4	0.9	1.2	0.2	35	0.2	0.1	<0.1	20
TSL 39450	Soil			0.9	78.5	7.5	36	0.3	12.9	9.4	130	2.67	4.9	0.6	2.4	0.3	24	0.3	0.2	0.2	67





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

Project: TSL  
Report Date: July 24, 2009

Page: 5 of 15 Part 2

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	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	Ti	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
TSL 40331	Soil	0.054	11	25	0.44	138	0.081	2	1.47	0.013	0.06	0.1	0.04	3.1	<0.1	<0.05	6	<0.5
TSL 40332	Soil	0.059	13	25	0.46	154	0.067	2	1.57	0.012	0.06	0.1	0.03	3.1	<0.1	<0.05	6	<0.5
TSL 40333	Soil	0.047	14	26	0.46	223	0.068	2	1.61	0.012	0.06	0.1	0.04	3.6	<0.1	<0.05	7	<0.5
TSL 40334	Soil	0.049	12	32	0.77	229	0.090	2	1.69	0.015	0.09	0.1	0.05	4.6	<0.1	<0.05	7	<0.5
TSL 40335	Soil	0.039	10	25	0.53	168	0.089	1	1.48	0.014	0.07	0.2	0.05	3.2	<0.1	<0.05	7	<0.5
TSL 40336	Soil	0.046	9	24	0.53	161	0.081	1	1.56	0.013	0.08	0.1	0.03	3.3	<0.1	<0.05	6	<0.5
TSL 40337	Soil	0.055	8	22	0.41	109	0.071	2	1.19	0.015	0.06	0.2	0.03	2.5	<0.1	<0.05	5	<0.5
TSL 40340	Soil	0.045	13	90	2.05	588	0.202	<1	2.58	0.014	1.08	<0.1	0.04	10.3	0.5	0.09	11	<0.5
TSL 40342	Soil	0.264	7	107	2.33	532	0.271	<1	2.76	0.024	1.44	<0.1	0.04	10.3	0.6	<0.05	16	<0.5
TSL 40343	Soil	0.019	16	31	0.89	276	0.140	2	1.95	0.010	0.35	<0.1	<0.01	3.7	0.2	<0.05	8	<0.5
TSL 40345	Soil	0.025	11	109	1.65	226	0.127	1	2.34	0.012	0.28	<0.1	0.02	4.9	0.3	<0.05	8	<0.5
TSL 40347	Soil	0.025	7	18	0.39	148	0.110	1	1.31	0.009	0.18	0.1	0.01	5.4	0.1	<0.05	8	<0.5
TSL 40348	Soil	0.029	24	11	0.15	357	0.067	<1	0.79	0.012	0.07	<0.1	0.03	2.4	<0.1	<0.05	5	<0.5
TSL 40349	Soil	0.020	11	20	0.64	287	0.080	2	2.20	0.011	0.27	<0.1	0.02	3.9	0.1	<0.05	7	<0.5
TSL 40350	Soil	0.039	17	57	1.38	339	0.138	2	2.38	0.010	0.69	<0.1	0.01	5.8	0.2	<0.05	11	<0.5
TSL 40352	Soil	0.033	12	25	0.53	244	0.100	2	1.63	0.022	0.16	0.1	0.02	3.2	<0.1	<0.05	6	<0.5
TSL 40353	Soil	0.042	13	28	0.48	267	0.086	2	1.95	0.015	0.07	0.1	0.03	3.7	<0.1	<0.05	7	<0.5
TSL 40356	Soil	0.040	9	15	0.62	411	0.102	2	1.92	0.012	0.33	<0.1	0.02	4.6	0.1	<0.05	8	<0.5
TSL 40357	Soil	0.050	10	15	0.25	331	0.034	4	1.13	0.011	0.20	<0.1	0.03	6.2	0.4	<0.05	4	<0.5
TSL 40358	Soil	0.040	12	27	0.42	344	0.056	2	1.93	0.016	0.07	0.2	0.01	3.2	0.1	<0.05	6	<0.5
TSL 40359	Soil	0.026	15	20	0.36	701	0.030	3	1.72	0.009	0.11	<0.1	0.02	5.0	0.3	<0.05	7	<0.5
TSL 40360	Soil	0.025	14	23	0.39	659	0.028	4	1.72	0.013	0.11	<0.1	0.02	5.0	0.2	<0.05	6	<0.5
TSL 39443	Soil	0.024	9	31	0.39	343	0.031	2	1.96	0.014	0.06	<0.1	0.03	3.7	0.1	<0.05	6	<0.5
TSL 39444	Soil	0.020	11	33	0.44	430	0.048	2	1.97	0.012	0.07	0.1	0.03	4.1	0.1	<0.05	5	<0.5
TSL 39445	Soil	0.048	12	20	0.25	334	0.063	2	1.36	0.021	0.08	<0.1	0.03	3.2	<0.1	<0.05	5	<0.5
TSL 39446	Soil	0.042	13	138	2.07	501	0.220	1	3.17	0.014	0.46	<0.1	0.02	9.2	0.3	<0.05	11	<0.5
TSL 39447	Soil	0.040	10	26	0.62	274	0.124	1	1.97	0.023	0.29	<0.1	0.02	4.7	0.2	<0.05	7	<0.5
TSL 39448	Soil	0.047	18	32	0.57	281	0.102	2	1.88	0.014	0.19	0.1	0.02	4.6	0.2	<0.05	7	<0.5
TSL 39449	Soil	0.090	10	11	0.14	354	0.028	2	0.84	0.023	0.05	<0.1	0.09	2.6	<0.1	<0.05	2	0.5
TSL 39450	Soil	0.051	6	21	0.46	169	0.069	2	1.35	0.023	0.07	<0.1	0.03	3.4	<0.1	<0.05	7	<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

Project:

TSL

Report Date:

July 24, 2009

Page:

6 of 15

Part 1

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	Method Analyte	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
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	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
TSL 39451	Soil		0.6	55.6	5.9	20	0.2	8.4	6.2	61	1.64	2.7	1.1	2.0	<0.1	29	0.2	0.1	0.1	21	0.21
TSL 39452	Soil		0.8	15.2	6.0	43	<0.1	11.7	14.9	214	3.18	5.2	0.7	1.1	2.3	24	<0.1	0.2	0.1	66	0.25
TSL 39453	Soil		0.9	23.6	6.9	44	<0.1	24.6	14.1	248	3.34	5.8	0.3	1.6	1.4	17	<0.1	0.2	0.1	89	0.20
TSL 39454	Soil		0.9	39.2	7.5	177	<0.1	17.6	18.2	326	3.95	5.8	0.4	1.0	1.3	19	0.2	0.2	0.1	95	0.23
TSL 40274	Soil		1.0	39.5	9.5	53	0.2	22.0	8.4	248	2.48	4.8	1.7	2.4	4.2	43	0.5	0.3	0.2	42	0.40
TSL 40275	Soil		1.0	65.9	13.0	128	<0.1	32.5	20.4	668	5.43	4.8	0.7	2.0	2.4	24	0.1	0.2	0.2	146	0.27
TSL 40276	Soil		0.9	70.3	14.9	152	<0.1	30.2	15.5	635	5.36	3.0	0.6	2.1	1.8	21	0.1	0.1	0.2	138	0.19
TSL 40277	Soil		3.7	73.2	27.6	173	0.4	34.0	12.9	554	8.85	6.6	0.6	5.5	1.6	34	<0.1	0.1	0.9	105	0.12
TSL 40278	Soil		2.0	51.9	20.3	84	0.3	5.1	4.3	154	6.33	4.4	0.6	6.0	2.8	35	<0.1	0.2	0.7	57	0.16
TSL 40279	Soil		0.9	32.6	12.2	85	<0.1	23.2	11.3	324	3.35	9.6	0.7	3.2	2.6	24	0.2	0.5	0.2	70	0.21
TSL 40280	Soil		1.0	51.6	9.3	106	<0.1	16.0	11.9	309	4.11	9.3	0.5	4.8	2.8	23	0.1	0.3	0.2	84	0.28
TSL 40281	Soil		1.1	49.0	9.2	101	<0.1	13.9	10.4	313	4.09	8.9	0.5	3.6	2.4	21	0.1	0.3	0.2	82	0.24
TSL 40282	Soil		1.4	46.3	12.3	103	<0.1	44.6	17.8	439	4.28	12.2	0.5	1.4	3.4	19	0.2	0.7	0.2	91	0.20
TSL 40283	Soil		0.7	11.7	7.3	34	<0.1	3.6	2.2	82	1.17	2.4	0.2	3.5	0.4	13	<0.1	0.1	0.1	45	0.13
TSL 40284	Soil		1.8	44.4	13.0	73	0.1	35.0	12.8	255	3.84	11.6	0.6	2.7	3.2	22	0.2	0.6	0.2	93	0.20
TSL 40338	Soil		1.2	30.4	16.2	132	<0.1	10.6	8.8	582	2.30	5.7	0.5	5.8	1.6	18	0.3	0.3	0.1	50	0.17
TSL 40339	Soil		1.0	19.7	8.6	97	<0.1	8.8	3.9	171	1.99	5.1	0.4	2.2	1.4	15	0.2	0.2	0.1	40	0.15
TSL 40341	Soil		0.4	101.4	34.9	853	0.2	122.0	58.2	2928	9.36	1.7	0.5	1.1	1.1	31	1.4	<0.1	0.2	232	0.64
TSL 40344	Soil		1.1	187.0	11.7	131	0.1	20.8	16.2	402	4.64	16.6	0.7	4.2	3.0	21	0.1	0.3	0.3	91	0.26
TSL 40346	Soil		0.9	15.7	30.4	47	<0.1	11.6	5.2	171	2.42	7.2	0.6	1.3	2.9	15	<0.1	0.3	0.2	65	0.15
TSL 40351	Soil		0.9	40.1	8.0	99	<0.1	20.3	11.0	615	3.13	7.2	1.3	3.2	5.2	19	<0.1	0.4	0.2	57	0.18
TSL 40354	Soil		0.5	15.8	17.3	74	<0.1	16.3	9.3	426	3.10	5.2	0.7	5.5	3.4	14	0.1	0.3	0.1	52	0.19
TSL 40355	Soil		0.8	13.9	15.0	57	<0.1	14.4	7.8	231	3.25	8.6	0.7	2.3	3.2	10	<0.1	0.5	0.2	66	0.10
TSL 40788	Soil		2.0	22.8	9.1	95	<0.1	16.4	12.0	392	3.77	16.5	0.7	2.1	4.2	15	<0.1	0.2	0.1	87	0.34
TSL 40789	Soil		2.1	32.8	9.6	87	0.3	15.1	13.5	529	3.48	22.1	1.6	2.5	5.4	15	0.1	0.2	0.1	78	0.35
TSL 40790	Soil		1.8	15.9	8.1	68	<0.1	11.2	10.6	449	2.63	10.8	0.6	3.3	3.3	16	<0.1	0.2	0.1	57	0.30
TSL 40791	Soil		1.4	14.5	7.7	62	0.1	11.1	7.3	226	2.31	7.9	0.7	<0.5	2.5	19	0.2	0.2	0.1	56	0.35
TSL 40792	Soil		1.0	28.8	8.4	101	<0.1	13.5	14.2	625	4.11	7.1	0.9	1.7	3.5	29	0.1	0.3	0.1	76	0.60
TSL 40793	Soil		1.0	27.6	8.1	100	<0.1	14.1	14.0	556	4.04	7.5	0.8	2.4	3.7	27	0.1	0.3	0.1	76	0.53
TSL 40794	Soil		0.6	38.3	8.2	58	<0.1	18.5	13.2	449	2.97	7.0	1.1	1.4	3.2	36	0.2	0.4	0.1	74	0.75



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

Project: TSL  
Report Date: July 24, 2009

Page: 6 of 15 Part 2

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	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	Ti	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
TSL 39451	Soil	0.109	6	14	0.14	188	0.021	2	0.83	0.027	0.04	<0.1	0.08	1.5	<0.1	<0.05	2	<0.5
TSL 39452	Soil	0.058	10	20	0.62	159	0.094	1	1.68	0.023	0.12	<0.1	0.02	5.5	<0.1	<0.05	7	<0.5
TSL 39453	Soil	0.037	5	78	0.88	140	0.124	1	1.99	0.018	0.14	<0.1	0.01	3.8	<0.1	<0.05	8	<0.5
TSL 39454	Soil	0.037	5	33	0.76	167	0.125	<1	2.20	0.031	0.14	<0.1	0.01	3.8	<0.1	<0.05	6	<0.5
TSL 40274	Soil	0.058	71	34	0.24	764	0.044	3	1.88	0.018	0.12	0.1	0.08	8.5	<0.1	<0.05	6	1.4
TSL 40275	Soil	0.058	9	80	2.22	438	0.203	1	3.04	0.018	0.81	<0.1	0.02	8.9	0.3	<0.05	11	<0.5
TSL 40276	Soil	0.042	7	83	2.03	434	0.204	<1	2.96	0.017	0.77	<0.1	0.02	9.2	0.3	<0.05	11	<0.5
TSL 40277	Soil	0.046	7	112	1.66	119	0.165	1	2.80	0.123	1.62	<0.1	0.02	12.3	0.6	1.43	11	2.9
TSL 40278	Soil	0.050	11	11	0.34	382	0.062	2	1.44	0.035	0.30	<0.1	0.03	4.1	0.2	0.25	7	0.6
TSL 40279	Soil	0.026	12	35	0.57	352	0.087	2	1.93	0.020	0.08	<0.1	0.03	4.4	<0.1	<0.05	6	<0.5
TSL 40280	Soil	0.020	10	26	0.68	204	0.082	<1	2.17	0.024	0.09	<0.1	0.02	5.3	<0.1	<0.05	8	<0.5
TSL 40281	Soil	0.020	8	23	0.62	175	0.079	<1	1.94	0.021	0.09	<0.1	0.02	5.0	<0.1	<0.05	8	<0.5
TSL 40282	Soil	0.024	8	91	0.78	267	0.090	3	2.80	0.014	0.10	<0.1	0.02	5.8	0.1	<0.05	8	<0.5
TSL 40283	Soil	0.017	5	10	0.11	110	0.059	<1	0.60	0.015	0.05	<0.1	0.01	1.5	<0.1	<0.05	5	<0.5
TSL 40284	Soil	0.022	12	71	0.65	290	0.118	1	2.35	0.014	0.07	<0.1	0.02	4.1	0.2	<0.05	9	<0.5
TSL 40338	Soil	0.038	9	21	0.35	138	0.080	1	1.15	0.015	0.08	0.1	0.03	2.4	<0.1	<0.05	6	<0.5
TSL 40339	Soil	0.026	8	19	0.27	117	0.069	1	0.91	0.012	0.08	0.2	0.02	2.3	<0.1	<0.05	6	<0.5
TSL 40341	Soil	0.058	7	302	4.65	1078	0.329	1	4.07	0.015	2.26	<0.1	0.06	22.2	0.9	<0.05	24	0.7
TSL 40344	Soil	0.022	10	26	1.03	264	0.154	2	2.59	0.023	0.22	<0.1	<0.01	6.1	0.2	<0.05	9	0.5
TSL 40346	Soil	0.021	13	26	0.40	203	0.090	1	1.44	0.013	0.08	<0.1	0.02	3.5	0.1	<0.05	7	<0.5
TSL 40351	Soil	0.021	17	31	0.65	233	0.106	1	2.12	0.013	0.16	<0.1	0.02	3.8	0.1	<0.05	6	<0.5
TSL 40354	Soil	0.040	10	36	0.66	331	0.117	<1	1.78	0.015	0.30	<0.1	0.02	3.8	0.1	<0.05	8	<0.5
TSL 40355	Soil	0.022	8	31	0.53	298	0.099	2	2.18	0.012	0.10	<0.1	0.02	3.8	<0.1	<0.05	7	<0.5
TSL 40788	Soil	0.084	15	27	0.69	326	0.149	<1	2.06	0.013	0.33	0.1	0.02	4.5	0.1	<0.05	8	<0.5
TSL 40789	Soil	0.088	42	25	0.60	417	0.117	<1	1.77	0.020	0.38	<0.1	0.04	6.2	0.2	<0.05	8	0.7
TSL 40790	Soil	0.063	13	21	0.43	273	0.085	1	1.42	0.020	0.11	0.1	0.02	2.8	0.1	<0.05	5	0.6
TSL 40791	Soil	0.059	16	21	0.38	310	0.064	<1	1.28	0.021	0.07	0.1	0.04	2.9	0.1	<0.05	5	0.8
TSL 40792	Soil	0.047	10	30	0.85	786	0.115	1	1.88	0.024	0.26	0.1	0.02	8.6	0.1	<0.05	8	0.6
TSL 40793	Soil	0.049	10	31	0.86	705	0.113	2	1.77	0.024	0.30	0.1	0.01	7.9	<0.1	<0.05	7	<0.5
TSL 40794	Soil	0.043	14	31	0.63	415	0.107	2	1.77	0.027	0.07	0.2	0.03	5.4	<0.1	<0.05	6	0.8



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

Project: TSL  
Report Date: July 24, 2009

Page: 7 of 15 Part 1

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	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	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01
TSL 40795	Soil		1.0	50.9	14.5	68	<0.1	13.2	15.2	351	4.08	6.2	0.9	22.9	3.2	36	<0.1	0.4	0.1	98	0.57
TSL 40796	Soil		0.9	46.4	8.8	54	0.1	22.3	13.8	494	2.93	6.7	1.1	1.8	3.0	33	0.2	0.5	0.1	79	0.71
TSL 40797	Soil		1.4	38.3	6.8	47	<0.1	15.1	11.7	361	3.11	7.1	0.8	5.8	2.7	25	0.1	0.3	0.1	76	0.46
TSL 40798	Soil		1.3	91.6	4.0	68	<0.1	20.0	11.8	484	5.50	134.5	0.7	4.5	2.8	26	<0.1	0.5	<0.1	124	0.54
TSL 40799	Soil		0.7	126.2	5.4	87	<0.1	21.0	14.5	472	5.96	25.9	0.4	<0.5	2.3	17	<0.1	0.6	<0.1	216	0.37
TSL 40800	Soil		0.3	156.6	3.7	103	<0.1	25.0	26.2	608	6.04	2.0	0.3	3.6	0.9	31	<0.1	0.1	<0.1	232	0.69
TSL 40801	Soil		0.7	137.9	5.4	97	<0.1	22.5	22.7	680	5.61	3.3	0.4	2.6	1.4	27	0.1	0.3	<0.1	187	0.64
TSL 40296	Soil		0.5	10.2	6.3	39	<0.1	6.6	3.2	113	1.46	2.8	0.6	1.8	1.0	16	<0.1	0.2	<0.1	25	0.17
TSL 40297	Soil		0.6	15.2	9.8	68	<0.1	10.4	5.3	187	2.02	4.1	0.8	2.1	2.1	16	<0.1	0.3	0.1	42	0.20
TSL 40298	Soil		0.6	16.3	11.1	56	<0.1	11.0	5.3	156	2.14	4.0	0.9	3.6	1.9	17	0.1	0.2	0.1	42	0.19
TSL 40299	Soil		0.7	18.4	13.5	67	<0.1	11.9	8.0	310	2.52	5.5	0.8	5.8	2.5	22	0.1	0.3	0.1	57	0.22
TSL 40300	Soil		0.7	28.7	14.0	70	0.2	12.7	6.1	184	2.28	5.0	0.7	3.4	2.4	22	0.1	0.3	0.1	53	0.21
TSL 40301	Soil		0.6	50.0	21.1	96	<0.1	11.0	16.0	366	3.46	4.5	0.5	0.6	2.3	32	0.1	0.2	0.1	91	0.28
TSL 40303	Soil		1.0	41.6	15.0	78	0.2	13.3	7.9	184	2.59	6.1	0.8	9.6	2.0	27	0.2	0.3	0.2	60	0.25
TSL 40608	Soil		1.5	48.0	11.2	75	0.1	17.9	17.0	643	4.05	15.1	0.7	8.3	3.5	35	0.2	0.3	0.1	111	0.71
TSL 40609	Soil		1.0	43.9	8.9	74	<0.1	22.7	15.0	398	3.73	18.5	1.1	2.2	4.2	34	<0.1	0.5	0.1	97	0.40
TSL 40610	Soil		0.9	51.6	7.0	64	0.1	18.0	16.1	364	3.81	12.3	0.8	5.7	2.6	31	0.1	0.3	0.1	114	0.54
TSL 40611	Soil		0.8	46.9	8.2	55	<0.1	11.8	16.8	375	4.06	6.4	0.4	1.4	1.6	27	<0.1	0.3	<0.1	141	0.72
TSL 40612	Soil		0.4	40.6	7.9	55	<0.1	11.4	16.4	377	4.07	6.1	0.4	<0.5	1.4	28	<0.1	0.4	<0.1	141	0.71
TSL 40613	Soil		0.7	56.4	4.8	76	<0.1	9.2	16.8	473	4.75	12.7	0.5	2.2	1.3	25	<0.1	0.3	<0.1	151	0.58
TSL 40614	Soil		0.4	39.6	3.9	67	<0.1	7.8	20.2	381	5.24	3.0	0.5	2.7	1.1	16	<0.1	0.3	<0.1	184	0.67
TSL 40615	Soil		0.5	53.3	5.6	55	<0.1	23.6	14.4	364	3.44	7.5	0.7	2.0	2.7	26	<0.1	0.4	<0.1	107	0.44
TSL 40616	Soil		0.6	65.4	7.7	58	<0.1	25.1	15.5	335	3.50	11.7	0.7	2.2	3.9	30	<0.1	0.4	0.1	100	0.38
TSL 40617	Soil		1.1	48.2	7.8	86	<0.1	34.0	16.7	265	3.88	40.2	1.1	4.6	6.8	23	<0.1	0.2	0.1	98	0.45
TSL 40618	Soil		0.8	25.1	7.1	57	0.1	17.0	16.3	1057	3.30	5.8	0.4	1.4	1.8	30	0.1	0.5	0.1	92	0.44
TSL 40619	Soil		0.8	30.4	9.9	64	<0.1	11.4	14.7	570	4.84	9.0	0.3	2.0	1.2	27	<0.1	0.4	<0.1	153	0.39
TSL 40620	Soil		0.5	48.1	3.7	65	<0.1	15.4	20.0	301	4.89	10.0	0.5	1.2	1.9	25	<0.1	0.2	<0.1	163	0.46
TSL 40621	Soil		0.6	55.4	6.8	59	<0.1	22.3	16.6	361	3.19	9.2	0.5	2.3	2.2	31	<0.1	0.3	<0.1	81	0.41
TSL 40622	Soil		0.8	50.0	6.3	60	<0.1	22.5	14.5	296	3.23	11.6	0.7	2.9	2.6	30	0.1	0.4	<0.1	82	0.45
TSL 40623	Soil		0.9	21.3	9.2	52	<0.1	14.1	8.7	305	2.70	7.7	0.6	3.5	2.2	23	0.1	0.3	0.1	72	0.28



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

Project: TSL  
Report Date: July 24, 2009

Page: 7 of 15 Part 2

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	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
TSL 40795	Soil	0.038	11	28	0.82	349	0.131	<1	1.97	0.032	0.12	0.1	0.01	7.1	<0.1	<0.05	7	<0.5
TSL 40796	Soil	0.045	18	30	0.57	653	0.118	2	1.76	0.028	0.07	0.1	0.05	5.8	<0.1	<0.05	6	<0.5
TSL 40797	Soil	0.039	12	28	0.60	410	0.104	<1	1.78	0.021	0.08	0.1	0.03	5.2	<0.1	<0.05	6	1.0
TSL 40798	Soil	0.047	14	71	1.79	444	0.126	<1	2.80	0.021	0.20	<0.1	0.02	10.4	0.3	<0.05	10	1.1
TSL 40799	Soil	0.026	4	20	1.38	296	0.199	1	2.60	0.015	0.91	<0.1	0.02	9.2	0.3	<0.05	10	<0.5
TSL 40800	Soil	0.084	3	12	1.75	352	0.353	<1	2.66	0.019	1.10	<0.1	<0.01	4.3	0.2	<0.05	10	0.8
TSL 40801	Soil	0.075	4	22	1.73	244	0.129	<1	2.63	0.022	0.09	<0.1	<0.01	7.7	<0.1	<0.05	10	0.7
TSL 40296	Soil	0.044	8	16	0.24	181	0.071	1	0.92	0.019	0.08	0.1	0.04	2.3	0.1	<0.05	4	0.7
TSL 40297	Soil	0.039	11	20	0.41	219	0.102	<1	1.31	0.015	0.10	0.1	0.04	3.1	<0.1	<0.05	6	<0.5
TSL 40298	Soil	0.037	12	21	0.34	216	0.096	2	1.37	0.015	0.10	0.1	0.03	3.3	0.1	<0.05	6	<0.5
TSL 40299	Soil	0.037	11	25	0.44	264	0.112	1	1.53	0.015	0.09	<0.1	0.01	3.3	<0.1	<0.05	7	0.6
TSL 40300	Soil	0.032	11	25	0.43	252	0.113	2	1.64	0.016	0.08	0.2	0.03	3.4	0.1	<0.05	7	<0.5
TSL 40301	Soil	0.050	8	16	0.82	662	0.156	1	1.69	0.028	0.42	0.1	0.02	4.5	0.2	<0.05	6	<0.5
TSL 40303	Soil	0.040	11	25	0.49	391	0.103	2	1.67	0.018	0.11	<0.1	0.02	3.5	0.1	<0.05	7	<0.5
TSL 40608	Soil	0.044	12	28	0.92	438	0.128	2	1.97	0.035	0.25	0.2	0.03	7.2	0.1	<0.05	7	0.9
TSL 40609	Soil	0.014	15	40	0.91	349	0.154	2	2.15	0.031	0.15	<0.1	0.04	8.1	0.1	<0.05	7	0.8
TSL 40610	Soil	0.047	11	28	0.90	412	0.152	2	1.93	0.037	0.24	<0.1	0.03	6.1	0.1	<0.05	7	1.1
TSL 40611	Soil	0.048	4	16	0.69	162	0.174	1	1.86	0.077	0.18	<0.1	<0.01	7.3	<0.1	<0.05	7	<0.5
TSL 40612	Soil	0.046	4	19	0.73	186	0.174	<1	1.97	0.071	0.29	<0.1	<0.01	6.7	<0.1	<0.05	7	<0.5
TSL 40613	Soil	0.063	5	13	1.00	229	0.195	<1	2.22	0.040	0.46	<0.1	<0.01	6.9	0.1	<0.05	9	<0.5
TSL 40614	Soil	0.060	7	9	0.98	288	0.210	<1	2.03	0.068	0.24	0.1	<0.01	9.0	<0.1	<0.05	10	0.9
TSL 40615	Soil	0.043	12	34	0.80	237	0.153	1	1.86	0.036	0.12	<0.1	<0.01	7.6	<0.1	<0.05	6	<0.5
TSL 40616	Soil	0.021	17	52	0.95	316	0.157	<1	2.18	0.024	0.09	<0.1	<0.01	5.2	<0.1	<0.05	7	0.5
TSL 40617	Soil	0.058	31	45	0.89	262	0.142	<1	1.88	0.022	0.27	<0.1	0.01	6.3	0.2	<0.05	6	0.5
TSL 40618	Soil	0.030	8	30	0.58	724	0.136	2	2.01	0.024	0.11	<0.1	0.01	3.7	0.1	<0.05	7	<0.5
TSL 40619	Soil	0.038	7	21	0.64	519	0.190	1	1.79	0.036	0.14	0.1	0.01	5.2	<0.1	<0.05	9	0.5
TSL 40620	Soil	0.033	10	25	1.17	417	0.206	<1	2.31	0.033	0.35	<0.1	<0.01	6.6	0.2	<0.05	8	<0.5
TSL 40621	Soil	0.027	8	65	0.94	296	0.151	<1	2.29	0.021	0.09	<0.1	<0.01	3.9	<0.1	<0.05	6	<0.5
TSL 40622	Soil	0.041	10	72	0.89	375	0.160	1	1.98	0.025	0.16	<0.1	0.02	4.1	0.1	<0.05	7	0.8
TSL 40623	Soil	0.052	9	27	0.45	297	0.107	<1	2.00	0.015	0.09	0.1	0.01	3.0	<0.1	<0.05	7	<0.5



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

Project: TSL  
Report Date: July 24, 2009

Page: 8 of 15 Part 1

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	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
TSL 42153	Soil			0.4	29.1	6.5	81	<0.1	7.0	7.2	360	2.56	3.3	0.5	0.7	2.6	13	<0.1	0.2	0.1	39
TSL 40430	Soil			0.3	13.8	12.0	233	<0.1	4.9	6.2	386	3.34	3.6	0.2	0.7	1.0	19	0.4	0.2	<0.1	27
TSL 40431	Soil			0.6	16.9	7.8	72	<0.1	9.0	6.5	239	2.85	4.6	0.4	1.7	2.0	15	<0.1	0.3	0.1	46
TSL 40432	Soil			0.2	38.1	9.9	114	<0.1	11.0	12.3	495	3.61	3.5	0.2	<0.5	1.5	21	<0.1	0.2	<0.1	55
TSL 40433	Soil			0.2	47.3	14.1	82	<0.1	12.0	10.3	353	3.06	4.3	0.5	3.4	2.6	23	<0.1	0.2	0.1	55
TSL 40434	Soil			0.6	26.5	21.6	59	<0.1	10.6	7.0	220	2.94	6.3	0.4	1.8	2.6	15	<0.1	0.3	0.3	42
TSL 40435	Soil			1.2	78.6	45.7	244	0.1	13.1	10.0	487	3.27	8.0	0.5	4.6	2.6	17	0.4	0.3	0.3	69
TSL 40436	Soil			0.4	81.2	8.6	217	<0.1	20.0	16.8	1380	5.34	2.7	0.7	2.2	3.5	28	0.1	0.2	<0.1	105
TSL 40437	Soil			0.5	52.0	5.0	39	<0.1	11.1	9.9	445	1.97	3.6	0.2	1.0	0.8	26	<0.1	0.2	<0.1	48
TSL 40438	Soil			2.1	79.9	14.9	207	<0.1	18.4	14.3	537	4.57	50.3	0.5	5.8	1.9	17	0.3	0.2	0.1	84
TSL 40439	Soil			1.0	35.8	10.7	92	<0.1	17.7	10.0	339	3.46	11.5	0.4	2.2	2.7	17	0.2	0.4	0.1	75
TSL 40440	Soil			1.1	16.5	11.3	79	<0.1	13.9	8.5	376	3.80	11.6	0.4	1.1	2.6	13	0.2	0.3	0.2	81
TSL 40441	Soil			0.5	44.5	7.6	90	<0.1	20.5	8.6	632	4.26	12.6	0.8	2.1	6.3	14	0.1	0.2	<0.1	57
TSL 40442	Soil			0.9	28.5	9.4	77	<0.1	14.6	7.8	351	3.54	16.4	0.7	1.4	3.5	13	<0.1	0.3	0.1	69
TSL 40443	Soil			0.7	24.7	10.6	73	<0.1	18.8	10.7	446	3.44	9.4	0.6	1.4	3.6	18	0.1	0.4	0.1	70
TSL 40398	Soil			1.5	50.2	36.2	145	<0.1	10.7	16.1	684	7.16	8.5	1.4	<0.5	7.3	25	<0.1	0.2	0.2	178
TSL 40399	Soil			0.9	18.6	13.7	68	<0.1	16.2	9.0	344	3.35	8.0	0.5	1.6	4.0	12	<0.1	0.4	0.1	54
TSL 40400	Soil			0.7	17.0	26.6	62	<0.1	14.4	7.8	353	3.22	6.6	0.5	1.0	3.3	13	<0.1	0.3	0.1	61
TSL 40401	Soil			1.1	17.4	9.4	55	<0.1	12.9	7.1	291	3.09	9.0	0.6	0.7	3.4	15	<0.1	0.3	0.1	63
TSL 40402	Soil			1.4	52.7	5.4	91	<0.1	6.1	8.9	915	3.16	5.1	2.0	<0.5	5.8	16	<0.1	0.2	0.2	25
TSL 40403	Soil			0.9	37.8	8.3	94	<0.1	17.2	8.3	478	3.08	8.5	0.7	0.7	4.4	15	<0.1	0.3	0.1	55
TSL 40404	Soil			0.7	22.9	8.9	77	<0.1	14.8	8.4	379	2.87	6.7	1.2	1.3	4.1	20	<0.1	0.3	<0.1	55
TSL 40405	Soil			0.5	13.5	11.4	68	<0.1	9.0	7.0	413	2.97	5.7	0.8	0.9	3.3	16	<0.1	0.1	<0.1	47
TSL 40406	Soil			0.7	18.3	17.1	59	<0.1	13.6	7.9	261	2.82	6.2	0.8	0.6	3.4	17	<0.1	0.2	0.1	51
TSL 40409	Soil			0.7	15.3	15.0	55	<0.1	13.6	7.1	223	2.84	8.0	0.6	1.4	3.3	18	<0.1	0.3	0.1	59
TSL 39429	Soil			1.8	41.1	21.5	84	0.2	14.6	18.3	2029	3.50	7.8	1.2	2.4	3.4	15	0.3	0.4	0.2	69
TSL 39430	Soil			2.2	35.7	20.4	98	<0.1	12.9	6.4	237	2.98	7.6	0.4	3.4	1.4	11	0.2	0.3	0.2	66
TSL 39431	Soil			2.8	33.3	48.0	104	0.1	11.9	6.2	286	3.06	7.3	0.5	12.8	2.4	17	0.3	0.3	0.3	64
TSL 39432	Soil			1.0	21.1	13.5	59	0.2	11.6	5.4	181	2.42	5.9	0.5	1.6	2.3	14	0.1	0.3	0.2	55
TSL 39433	Soil			1.0	21.2	14.9	83	<0.1	15.4	8.6	394	3.57	8.4	0.6	1.8	2.8	18	0.1	0.4	0.2	69



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

Project: TSL  
Report Date: July 24, 2009

Page: 8 of 15 Part 2

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	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	Ti	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
TSL 42153	Soil	0.013	10	13	0.42	153	0.086	<1	1.33	0.014	0.22	<0.1	0.01	4.9	0.1	<0.05	5	0.7
TSL 40430	Soil	0.045	4	8	0.47	212	0.112	<1	1.53	0.014	0.28	<0.1	<0.01	2.9	<0.1	<0.05	6	<0.5
TSL 40431	Soil	0.028	10	17	0.41	220	0.078	<1	1.37	0.010	0.09	0.2	<0.01	4.6	<0.1	<0.05	5	0.8
TSL 40432	Soil	0.031	7	13	0.76	300	0.165	<1	1.74	0.011	0.60	<0.1	0.01	2.6	0.2	<0.05	7	<0.5
TSL 40433	Soil	0.049	10	19	0.67	193	0.086	<1	1.52	0.019	0.09	<0.1	<0.01	6.1	<0.1	<0.05	6	<0.5
TSL 40434	Soil	0.024	10	20	0.35	140	0.051	<1	1.34	0.010	0.05	0.1	0.02	4.8	<0.1	<0.05	4	<0.5
TSL 40435	Soil	0.035	9	25	0.47	219	0.075	1	1.60	0.014	0.09	0.1	0.01	4.4	<0.1	<0.05	5	<0.5
TSL 40436	Soil	0.063	16	17	1.31	430	0.122	<1	2.34	0.014	0.45	<0.1	<0.01	9.1	0.2	<0.05	10	0.6
TSL 40437	Soil	0.035	3	27	0.65	94	0.089	<1	1.25	0.023	0.07	<0.1	<0.01	2.9	<0.1	<0.05	4	<0.5
TSL 40438	Soil	0.065	7	58	1.03	174	0.104	<1	1.97	0.016	0.24	<0.1	<0.01	7.4	0.1	<0.05	9	1.1
TSL 40439	Soil	0.032	7	38	0.63	154	0.088	<1	1.98	0.012	0.06	0.1	0.02	4.4	0.1	<0.05	6	<0.5
TSL 40440	Soil	0.039	9	30	0.41	170	0.083	<1	1.78	0.011	0.05	0.2	<0.01	3.9	<0.1	<0.05	9	<0.5
TSL 40441	Soil	0.053	14	36	0.86	277	0.092	2	2.15	0.010	0.40	0.1	0.01	5.7	0.3	<0.05	9	0.8
TSL 40442	Soil	0.032	12	25	0.55	244	0.098	2	1.71	0.011	0.15	0.1	0.02	4.2	0.1	<0.05	8	<0.5
TSL 40443	Soil	0.037	15	33	0.56	392	0.076	1	2.04	0.010	0.08	<0.1	0.02	4.5	0.1	<0.05	7	0.6
TSL 40398	Soil	0.035	25	15	1.47	443	0.262	<1	2.67	0.018	1.02	<0.1	0.03	13.0	0.7	0.07	14	0.6
TSL 40399	Soil	0.022	8	28	0.49	196	0.093	<1	1.70	0.012	0.13	0.2	0.02	4.9	0.1	<0.05	6	0.6
TSL 40400	Soil	0.019	11	32	0.57	251	0.113	<1	1.82	0.010	0.12	<0.1	0.01	3.9	<0.1	<0.05	6	<0.5
TSL 40401	Soil	0.023	12	27	0.46	259	0.098	<1	1.89	0.010	0.10	0.2	0.03	3.8	0.1	<0.05	7	0.5
TSL 40402	Soil	0.020	23	12	0.80	354	0.096	<1	1.76	0.009	0.44	<0.1	0.01	3.9	0.2	<0.05	6	0.9
TSL 40403	Soil	0.020	9	40	0.72	166	0.134	<1	2.02	0.011	0.18	0.1	<0.01	3.5	0.1	<0.05	7	0.7
TSL 40404	Soil	0.032	15	28	0.61	253	0.105	<1	1.83	0.013	0.14	0.1	0.02	5.0	<0.1	<0.05	6	<0.5
TSL 40405	Soil	0.041	12	18	0.62	303	0.144	<1	1.43	0.013	0.39	0.2	0.01	4.8	0.1	<0.05	8	<0.5
TSL 40406	Soil	0.034	11	24	0.57	262	0.095	1	1.83	0.013	0.14	0.1	0.02	3.7	<0.1	<0.05	7	<0.5
TSL 40409	Soil	0.032	8	26	0.44	270	0.084	<1	1.72	0.011	0.08	0.1	0.01	3.3	<0.1	<0.05	6	<0.5
TSL 39429	Soil	0.051	24	28	0.38	353	0.072	<1	1.88	0.016	0.09	0.1	0.06	4.8	0.1	<0.05	7	0.5
TSL 39430	Soil	0.059	7	29	0.48	132	0.087	<1	1.53	0.013	0.08	0.1	0.03	3.0	<0.1	<0.05	7	<0.5
TSL 39431	Soil	0.037	10	26	0.45	278	0.090	<1	1.60	0.010	0.15	0.1	0.03	4.3	0.1	<0.05	8	0.6
TSL 39432	Soil	0.020	9	23	0.36	206	0.086	<1	1.58	0.013	0.06	0.1	0.02	3.3	0.1	<0.05	8	<0.5
TSL 39433	Soil	0.034	11	32	0.51	237	0.099	<1	1.83	0.012	0.08	0.1	0.03	4.3	<0.1	<0.05	8	0.6



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

Project: TSL  
Report Date: July 24, 2009

Page: 9 of 15 Part 1

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	Method Analyte	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 %
	Unit MDL	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
TSL 39434	Soil		1.0	39.5	37.6	89	0.1	18.2	10.9	587	3.34	7.0	1.2	3.5	3.6	30	0.1	0.4	0.2	61	0.59
TSL 39435	Soil		0.8	24.7	11.4	82	<0.1	12.9	9.0	406	2.81	6.2	0.9	3.2	3.4	21	0.1	0.2	<0.1	51	0.30
TSL 39436	Soil		1.5	26.3	16.5	74	0.1	15.7	12.7	708	3.40	6.7	1.1	<0.5	3.3	21	<0.1	0.3	0.2	65	0.27
TSL 39437	Soil		0.9	19.1	10.1	71	<0.1	13.6	9.2	424	2.92	5.8	0.9	1.9	4.1	18	<0.1	0.2	0.1	53	0.25
TSL 39438	Soil		0.7	15.3	15.7	72	<0.1	12.9	9.4	528	3.49	6.0	0.7	<0.5	3.9	18	<0.1	0.2	0.1	58	0.23
TSL 39439	Soil		1.5	14.5	11.2	60	<0.1	14.0	7.7	437	3.39	8.3	0.4	<0.5	2.3	11	<0.1	0.4	0.1	71	0.11
TSL 39440	Soil		0.7	20.7	12.8	62	<0.1	14.4	8.1	288	2.68	5.9	0.7	1.1	3.1	18	<0.1	0.3	0.2	52	0.22
TSL 39441	Soil		1.6	21.1	16.7	58	<0.1	19.6	9.0	311	3.24	8.6	0.6	2.1	2.9	21	<0.1	0.5	0.2	72	0.23
TSL 39442	Soil		0.9	23.5	10.9	50	0.1	20.2	9.2	245	2.74	7.4	0.7	2.9	2.4	21	<0.1	0.4	0.2	63	0.24
TSL 40407	Soil		0.7	12.4	16.4	67	<0.1	11.0	7.0	326	2.93	5.5	0.7	2.7	3.1	17	<0.1	0.2	0.2	55	0.18
TSL 40408	Soil		0.9	21.5	26.9	60	0.1	16.1	9.5	384	2.75	8.2	1.6	<0.5	3.3	33	<0.1	0.3	0.3	59	0.47
TSL 40410	Soil		1.1	19.1	12.2	57	<0.1	16.1	8.6	276	3.03	7.9	0.8	2.9	3.9	20	<0.1	0.4	0.2	62	0.18
TSL 40411	Soil		1.0	16.3	19.8	62	<0.1	15.1	8.2	321	3.01	8.5	0.6	2.3	3.4	20	<0.1	0.4	0.2	59	0.19
TSL 40064	Soil		0.7	21.8	9.0	53	<0.1	21.2	9.7	258	3.05	8.7	0.7	2.7	5.4	13	<0.1	0.4	0.1	57	0.14
TSL 40065	Soil		1.2	147.4	19.5	147	<0.1	8.7	8.3	233	6.05	10.8	0.6	1.2	2.9	29	<0.1	0.3	1.9	87	0.08
TSL 40066	Soil		0.3	133.4	12.7	140	<0.1	14.7	22.6	721	4.47	3.9	0.5	2.1	1.4	16	<0.1	0.1	<0.1	136	0.37
TSL 40208	Soil		1.0	20.6	12.7	102	<0.1	13.8	9.2	351	3.71	8.8	0.7	0.6	3.0	28	<0.1	0.5	0.1	52	0.22
TSL 40209	Soil		0.3	176.2	46.4	689	<0.1	13.5	17.5	980	5.22	2.3	0.3	<0.5	2.0	15	0.7	0.1	0.2	76	0.26
TSL 40210	Soil		0.7	26.6	7.8	108	<0.1	15.0	8.5	428	4.15	6.9	1.0	2.5	3.5	25	<0.1	0.5	0.1	46	0.28
TSL 40211	Soil		1.9	92.5	58.4	292	0.2	18.5	10.5	463	4.21	12.6	1.3	1.9	3.9	14	0.4	0.6	0.3	53	0.10
TSL 40212	Soil		23.1	52.9	24.9	184	0.2	16.8	20.1	1260	6.09	6.6	0.8	70.3	2.3	15	0.3	0.4	0.1	79	0.27
TSL 40213	Soil		2.1	109.9	92.5	229	0.1	8.0	4.3	178	2.89	14.4	1.7	8.9	5.6	19	0.1	0.2	0.4	29	0.11
TSL 40214	Soil		0.1	140.7	21.1	217	<0.1	10.8	7.5	311	3.38	2.1	1.5	2.2	7.7	18	<0.1	<0.1	<0.1	45	0.16
TSL 40215	Soil		1.1	28.9	10.5	65	<0.1	22.5	16.7	514	3.52	10.6	0.5	1.9	1.9	20	<0.1	0.6	0.2	75	0.23
TSL 40216	Soil		0.9	15.4	11.4	54	<0.1	10.6	5.8	369	2.81	24.4	0.4	1.6	1.2	13	0.1	0.4	0.2	76	0.13
TSL 40217	Soil		1.4	22.9	17.8	65	<0.1	19.1	9.2	278	3.57	12.9	0.6	2.6	3.0	16	0.1	0.4	0.2	81	0.15
TSL 40218	Soil		1.0	15.1	12.4	55	<0.1	13.8	6.7	225	3.02	9.4	0.5	3.8	2.0	15	<0.1	0.5	0.2	72	0.15
TSL 40219	Soil		1.1	14.4	18.3	61	<0.1	12.4	5.9	209	3.59	11.6	0.4	1.3	2.0	12	<0.1	0.5	0.2	87	0.10
TSL 40202	Soil		1.0	35.4	15.6	76	0.2	9.7	4.4	200	3.11	8.4	0.7	4.0	4.5	25	<0.1	0.3	0.1	39	0.10
TSL 40203	Soil		0.2	119.6	4.2	108	<0.1	8.4	22.9	567	5.07	1.9	0.3	1.1	0.7	33	0.2	<0.1	<0.1	158	0.80





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

Project: TSL  
Report Date: July 24, 2009

Page: 9 of 15 Part 2

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	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	Ti	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
TSL 39434	Soil	0.046	27	35	0.44	777	0.071	<1	1.91	0.014	0.08	0.1	0.07	7.2	<0.1	<0.05	7	<0.5
TSL 39435	Soil	0.039	14	27	0.53	328	0.100	<1	1.60	0.013	0.15	0.2	0.03	4.1	<0.1	<0.05	6	0.7
TSL 39436	Soil	0.041	21	32	0.53	376	0.106	<1	1.94	0.014	0.14	0.1	0.05	4.7	<0.1	<0.05	8	0.8
TSL 39437	Soil	0.024	17	30	0.57	307	0.120	<1	1.59	0.014	0.17	0.1	0.02	5.1	<0.1	<0.05	7	0.7
TSL 39438	Soil	0.027	14	27	0.70	399	0.132	<1	1.91	0.011	0.30	0.1	0.03	5.8	0.1	<0.05	8	<0.5
TSL 39439	Soil	0.023	7	26	0.51	235	0.101	<1	1.59	0.010	0.12	0.1	0.02	3.2	<0.1	<0.05	8	<0.5
TSL 39440	Soil	0.031	15	23	0.45	452	0.063	2	1.55	0.012	0.08	0.1	0.02	4.3	<0.1	<0.05	5	0.6
TSL 39441	Soil	0.023	10	37	0.54	378	0.080	<1	2.01	0.013	0.05	0.1	0.02	3.9	<0.1	<0.05	7	<0.5
TSL 39442	Soil	0.025	12	35	0.48	541	0.067	1	1.90	0.015	0.05	0.1	0.03	4.0	<0.1	<0.05	6	0.8
TSL 40407	Soil	0.031	10	21	0.50	343	0.111	2	1.47	0.011	0.17	0.1	0.01	3.2	<0.1	<0.05	7	<0.5
TSL 40408	Soil	0.040	21	45	0.53	534	0.090	<1	2.04	0.016	0.07	0.1	0.02	4.0	<0.1	<0.05	8	0.7
TSL 40410	Soil	0.016	15	33	0.46	547	0.067	1	1.94	0.011	0.06	0.1	<0.01	4.0	<0.1	<0.05	6	0.6
TSL 40411	Soil	0.034	9	28	0.40	496	0.059	2	1.73	0.012	0.07	0.2	0.01	3.6	<0.1	<0.05	6	<0.5
TSL 40064	Soil	0.025	10	33	0.50	198	0.061	2	2.39	0.011	0.05	<0.1	<0.01	3.5	<0.1	<0.05	6	<0.5
TSL 40065	Soil	0.054	9	18	0.50	349	0.057	2	1.78	0.020	0.29	<0.1	<0.01	7.4	0.2	0.22	7	1.1
TSL 40066	Soil	0.060	10	14	1.22	522	0.224	<1	2.46	0.028	0.88	<0.1	<0.01	6.2	0.4	<0.05	8	0.6
TSL 40208	Soil	0.033	12	25	0.50	265	0.053	1	2.04	0.010	0.12	<0.1	<0.01	4.7	0.2	<0.05	7	0.7
TSL 40209	Soil	0.070	3	14	1.14	283	0.078	<1	2.62	0.008	0.39	<0.1	0.02	6.1	0.3	<0.05	10	0.7
TSL 40210	Soil	0.032	17	26	0.52	349	0.046	<1	2.17	0.014	0.14	<0.1	0.02	11.4	0.2	<0.05	7	0.9
TSL 40211	Soil	0.038	14	28	0.36	304	0.039	1	2.03	0.011	0.11	<0.1	0.04	3.8	<0.1	<0.05	5	0.8
TSL 40212	Soil	0.066	10	17	0.33	565	0.029	2	1.25	0.011	0.12	0.3	0.24	23.9	0.1	<0.05	5	0.6
TSL 40213	Soil	0.030	18	11	0.34	267	0.049	1	1.09	0.008	0.23	<0.1	0.06	3.4	0.1	0.06	4	0.6
TSL 40214	Soil	0.020	14	31	1.52	728	0.159	<1	2.66	0.012	1.15	<0.1	0.01	10.1	0.3	<0.05	12	0.9
TSL 40215	Soil	0.044	8	33	0.50	201	0.072	<1	2.28	0.016	0.08	0.1	0.04	3.0	0.1	<0.05	6	<0.5
TSL 40216	Soil	0.081	8	25	0.32	136	0.076	<1	1.38	0.009	0.06	0.1	0.01	2.1	<0.1	<0.05	8	<0.5
TSL 40217	Soil	0.034	7	33	0.44	244	0.103	<1	2.31	0.011	0.07	<0.1	<0.01	3.6	<0.1	<0.05	9	<0.5
TSL 40218	Soil	0.028	9	27	0.38	233	0.071	2	1.75	0.011	0.07	0.2	0.02	3.1	<0.1	<0.05	7	0.5
TSL 40219	Soil	0.041	8	28	0.37	94	0.116	<1	1.70	0.009	0.06	0.1	0.01	2.4	0.1	<0.05	10	<0.5
TSL 40202	Soil	0.023	11	23	0.42	167	0.068	<1	1.55	0.033	0.14	<0.1	0.02	3.2	<0.1	0.20	5	1.3
TSL 40203	Soil	0.070	2	12	1.22	84	0.148	<1	2.70	0.099	0.07	<0.1	0.01	7.2	<0.1	<0.05	10	<0.5



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

Project: TSL  
Report Date: July 24, 2009

Page: 10 of 15 Part 1

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	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	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2
TSL 40204	Soil		0.5	27.2	13.2	139	<0.1	10.0	10.0	505	3.44	4.4	0.5	3.2	1.6	18	0.1	0.2	<0.1	49	0.17
TSL 40205	Soil		0.6	18.5	17.7	119	<0.1	12.3	6.2	356	2.90	4.4	0.6	2.7	2.3	20	0.1	0.2	0.1	38	0.20
TSL 40206	Soil		0.3	15.0	5.9	104	<0.1	3.6	3.6	441	2.25	2.5	0.3	2.8	1.6	17	<0.1	0.2	<0.1	16	0.17
TSL 40207	Soil		0.4	34.6	4.6	52	<0.1	12.4	8.1	261	2.20	4.6	0.3	1.2	1.8	17	<0.1	0.2	<0.1	52	0.24
TSL 45143	Soil		0.2	30.8	5.2	76	<0.1	5.8	7.1	239	1.94	1.9	0.3	0.8	1.5	24	<0.1	0.2	<0.1	40	0.24
TSL 45144	Soil		0.3	22.5	11.7	119	<0.1	3.5	4.6	384	2.97	2.1	0.6	0.9	2.7	11	<0.1	0.1	0.1	20	0.10
TSL 45145	Soil		0.4	18.3	5.6	110	<0.1	9.1	6.1	401	2.87	5.0	0.4	<0.5	2.2	15	<0.1	0.2	<0.1	33	0.16
TSL 45146	Soil		0.3	38.9	3.8	92	<0.1	10.2	11.0	342	3.07	3.5	0.4	1.2	1.7	18	<0.1	0.3	<0.1	55	0.27
TSL 45147	Soil		0.1	70.8	6.4	122	<0.1	13.5	16.1	805	4.01	1.4	0.3	1.7	0.8	27	<0.1	0.1	<0.1	72	0.41
TSL 45148	Soil		0.8	53.5	7.1	88	<0.1	15.1	10.9	359	3.31	5.8	0.4	2.5	2.1	19	<0.1	0.4	0.1	71	0.22
TSL 45149	Soil		0.7	61.4	12.3	59	<0.1	20.3	13.9	356	2.72	6.3	0.4	1.2	2.4	22	<0.1	0.3	<0.1	75	0.31
TSL 45150	Soil		0.6	104.7	4.9	95	<0.1	16.4	17.9	456	3.56	2.6	0.3	1.3	0.9	16	<0.1	0.1	<0.1	111	0.38
TSL 45151	Soil		0.4	34.1	3.0	143	<0.1	11.9	14.5	763	4.45	1.4	0.2	<0.5	0.8	12	<0.1	0.1	<0.1	61	0.23
TSL 45152	Soil		0.5	15.7	5.2	154	<0.1	6.8	10.6	623	4.51	1.6	0.3	<0.5	1.1	13	<0.1	0.1	<0.1	18	0.27
TSL 45153	Soil		0.6	16.2	5.4	124	<0.1	5.9	9.7	565	3.75	2.3	0.3	<0.5	1.1	10	<0.1	0.2	<0.1	25	0.22
TSL 45154	Soil		0.7	30.4	31.9	124	<0.1	6.2	6.5	579	3.50	2.6	0.4	7.0	1.5	14	0.3	0.2	0.3	31	0.21
TSL 45155	Soil		0.5	14.2	70.2	119	<0.1	5.2	4.5	340	3.38	2.4	0.3	<0.5	1.5	11	<0.1	0.1	0.9	23	0.10
TSL 45156	Soil		0.4	18.3	16.2	88	<0.1	9.3	3.9	214	2.53	3.1	0.4	0.8	2.7	11	<0.1	0.2	0.1	27	0.11
TSL 45157	Soil		0.7	32.4	6.0	81	<0.1	17.7	8.2	324	3.03	5.7	0.6	2.7	4.2	17	<0.1	0.4	<0.1	57	0.20
TSL 45158	Soil		0.7	143.4	9.7	84	<0.1	13.2	20.6	382	3.52	3.8	0.2	1.5	0.9	10	0.1	0.2	<0.1	95	0.33
TSL 45159	Soil		1.0	54.7	10.1	78	<0.1	14.3	7.2	332	3.15	11.0	0.7	4.9	3.7	21	0.1	0.4	0.1	55	0.21
TSL 45160	Soil		0.8	85.4	13.7	109	<0.1	10.2	8.2	638	3.72	11.6	1.1	5.4	3.2	15	0.1	0.3	0.1	40	0.21
TSL 45161	Soil		0.7	42.8	7.3	108	<0.1	16.5	10.3	620	3.69	5.6	1.2	4.7	4.5	23	0.1	0.4	0.1	69	0.31
TSL 45162	Soil		2.9	62.4	13.9	142	<0.1	24.2	13.2	623	3.68	50.9	0.6	2.6	1.9	19	<0.1	0.3	0.1	100	0.24
TSL 45163	Soil		0.8	50.6	27.6	135	<0.1	14.8	9.2	578	3.17	6.5	0.6	6.3	2.2	19	0.3	0.3	0.2	54	0.27
TSL 45164	Soil		0.6	97.3	14.3	187	<0.1	16.8	14.6	470	3.62	5.4	0.5	3.6	2.4	26	0.5	0.3	0.1	82	0.36
TSL 45165	Soil		0.7	65.7	22.8	186	<0.1	12.8	11.7	459	3.81	5.9	0.7	4.4	3.2	22	0.4	0.3	0.2	89	0.31
TSL 45166	Soil		1.0	59.9	20.5	214	<0.1	23.7	16.2	648	4.23	5.4	0.8	6.3	3.5	23	0.3	0.3	0.2	88	0.36
TSL 45167	Soil		0.9	53.5	16.2	100	<0.1	19.9	12.3	378	3.21	5.6	1.0	9.3	4.1	31	0.1	0.4	0.2	72	0.34
TSL 45176	Soil		0.3	35.7	2.7	152	<0.1	12.9	16.6	812	4.67	1.5	0.2	<0.5	0.7	13	<0.1	<0.1	<0.1	61	0.26



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

Project: TSL  
Report Date: July 24, 2009

Page: 10 of 15 Part 2

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	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
TSL 40204	Soil	0.039	6	19	0.52	139	0.100	2	1.96	0.012	0.19	<0.1	<0.01	5.2	<0.1	<0.05	6	<0.5
TSL 40205	Soil	0.032	9	19	0.45	151	0.091	<1	1.66	0.012	0.18	<0.1	<0.01	3.2	<0.1	<0.05	6	0.7
TSL 40206	Soil	0.023	4	7	0.27	116	0.059	2	1.14	0.008	0.22	<0.1	<0.01	5.3	0.1	<0.05	5	<0.5
TSL 40207	Soil	0.025	5	23	0.47	133	0.078	<1	1.74	0.019	0.06	<0.1	<0.01	2.8	<0.1	<0.05	4	<0.5
TSL 45143	Soil	0.014	4	5	0.42	183	0.089	<1	1.10	0.011	0.29	<0.1	<0.01	2.1	0.2	<0.05	3	<0.5
TSL 45144	Soil	0.020	5	6	0.36	114	0.116	<1	1.59	0.009	0.47	<0.1	<0.01	3.6	0.2	<0.05	7	<0.5
TSL 45145	Soil	0.025	6	13	0.40	190	0.122	1	1.76	0.009	0.40	<0.1	<0.01	2.2	0.2	<0.05	6	0.6
TSL 45146	Soil	0.029	9	15	0.72	333	0.103	<1	1.83	0.014	0.30	<0.1	0.01	4.7	<0.1	<0.05	5	0.6
TSL 45147	Soil	0.049	3	17	1.25	350	0.184	<1	2.19	0.020	0.59	<0.1	<0.01	5.5	0.2	<0.05	7	<0.5
TSL 45148	Soil	0.016	6	25	0.72	255	0.108	<1	1.91	0.014	0.24	<0.1	<0.01	3.5	<0.1	<0.05	6	<0.5
TSL 45149	Soil	0.035	7	30	0.69	207	0.109	<1	1.89	0.022	0.08	<0.1	0.01	3.5	0.1	<0.05	5	<0.5
TSL 45150	Soil	0.029	3	22	1.02	257	0.107	<1	2.15	0.045	0.12	<0.1	<0.01	5.3	<0.1	<0.05	5	0.7
TSL 45151	Soil	0.067	2	11	1.16	250	0.098	2	2.38	0.012	0.47	<0.1	<0.01	6.0	0.1	<0.05	8	<0.5
TSL 45152	Soil	0.089	3	6	0.81	227	0.121	2	2.07	0.014	0.48	0.1	<0.01	5.8	0.1	<0.05	9	<0.5
TSL 45153	Soil	0.079	3	8	0.66	137	0.078	<1	1.83	0.010	0.24	0.1	0.02	5.8	0.1	<0.05	7	<0.5
TSL 45154	Soil	0.045	4	10	0.56	187	0.061	2	1.46	0.007	0.19	0.2	0.01	5.1	0.1	<0.05	4	<0.5
TSL 45155	Soil	0.030	4	7	0.41	147	0.090	1	1.53	0.008	0.34	<0.1	<0.01	4.6	0.2	<0.05	7	<0.5
TSL 45156	Soil	0.008	10	13	0.33	127	0.075	<1	1.28	0.008	0.13	<0.1	<0.01	5.4	<0.1	<0.05	5	<0.5
TSL 45157	Soil	0.014	13	30	0.58	211	0.125	1	1.89	0.012	0.12	0.1	0.02	5.1	<0.1	<0.05	6	<0.5
TSL 45158	Soil	0.022	3	17	1.19	111	0.130	2	2.39	0.038	0.08	<0.1	<0.01	4.5	<0.1	<0.05	6	<0.5
TSL 45159	Soil	0.020	11	28	0.36	235	0.050	1	1.47	0.013	0.05	<0.1	0.05	4.3	0.2	<0.05	5	<0.5
TSL 45160	Soil	0.017	12	15	0.28	230	0.025	<1	1.12	0.014	0.09	<0.1	0.07	6.3	<0.1	<0.05	3	<0.5
TSL 45161	Soil	0.026	30	25	0.57	378	0.078	1	1.82	0.017	0.10	0.1	0.04	10.1	<0.1	<0.05	7	<0.5
TSL 45162	Soil	0.054	8	80	1.33	166	0.162	<1	2.24	0.016	0.23	<0.1	0.02	5.8	0.2	<0.05	10	<0.5
TSL 45163	Soil	0.046	10	24	0.50	508	0.049	2	1.78	0.012	0.11	<0.1	0.04	5.4	0.1	<0.05	7	<0.5
TSL 45164	Soil	0.045	8	26	0.78	253	0.109	2	2.00	0.022	0.10	0.1	<0.01	5.0	<0.1	<0.05	7	<0.5
TSL 45165	Soil	0.031	14	23	0.66	232	0.107	<1	2.02	0.021	0.09	0.1	0.01	5.3	<0.1	<0.05	7	<0.5
TSL 45166	Soil	0.043	14	47	0.78	384	0.092	3	2.07	0.018	0.18	<0.1	0.02	8.0	0.2	<0.05	8	0.7
TSL 45167	Soil	0.037	19	40	0.64	438	0.119	1	1.95	0.020	0.11	0.1	0.02	5.4	<0.1	<0.05	6	<0.5
TSL 45176	Soil	0.074	2	11	1.23	277	0.111	2	2.52	0.012	0.54	<0.1	<0.01	5.9	0.1	<0.05	9	<0.5



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

Project: TSL  
Report Date: July 24, 2009

Page: 11 of 15 Part 1

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	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
TSL 38349	Soil			2.2	19.3	13.6	43	0.1	11.4	4.6	150	3.20	8.0	0.5	2.8	1.7	17	<0.1	0.4	0.2	68
TSL 38350	Soil			1.9	29.0	17.9	85	0.4	14.4	10.0	313	3.78	9.3	0.9	11.4	2.6	20	0.2	0.5	0.2	77
TSL 38351	Soil			0.9	21.6	10.6	90	<0.1	12.6	8.8	330	3.12	4.7	0.5	6.4	2.3	20	<0.1	0.3	0.1	67
TSL 38352	Soil			0.7	31.2	11.1	64	0.1	11.9	5.7	185	2.33	4.3	0.6	2.3	1.1	19	0.1	0.2	0.1	59
TSL 38353	Soil			0.6	16.4	22.7	72	<0.1	10.2	6.1	224	2.77	4.3	0.4	2.0	1.8	16	0.1	0.3	0.1	53
TSL 38354	Soil			0.8	26.5	43.2	82	0.2	9.6	6.6	202	2.83	2.8	0.7	4.1	1.3	21	0.2	0.2	0.1	41
TSL 38355	Soil			0.5	19.5	12.1	99	<0.1	9.8	8.9	332	3.18	3.4	0.4	1.0	1.6	21	<0.1	0.2	<0.1	47
TSL 42068	Soil			0.6	23.0	6.1	93	<0.1	10.5	8.8	282	3.00	3.3	0.4	3.7	1.2	22	0.1	0.2	<0.1	47
TSL 42069	Soil			0.5	15.0	5.5	85	<0.1	10.8	8.7	319	2.83	3.5	0.4	5.1	1.9	17	<0.1	0.2	<0.1	46
TSL 42070	Soil			0.8	19.7	6.3	100	<0.1	11.8	11.0	444	3.41	4.2	0.5	3.6	2.0	18	<0.1	0.2	<0.1	50
TSL 42071	Soil			0.5	21.3	6.2	112	<0.1	12.6	10.7	426	3.50	3.4	0.5	2.7	1.8	20	<0.1	0.2	<0.1	53
TSL 42073	Soil			0.8	45.2	12.3	126	<0.1	9.8	9.0	381	3.19	5.1	0.5	1.6	1.5	17	0.1	0.2	0.2	66
TSL 40320	Soil			1.0	22.9	25.8	66	0.3	7.8	4.3	139	2.23	4.6	0.9	5.6	1.0	21	0.1	0.2	0.2	48
TSL 40321	Soil			0.5	53.7	8.2	70	0.1	10.3	12.4	256	3.05	3.7	0.4	3.5	1.2	20	<0.1	0.1	<0.1	100
TSL 40322	Soil			0.5	27.9	16.7	69	<0.1	10.7	8.4	224	2.47	3.4	0.7	6.5	1.9	27	0.1	0.2	0.1	56
TSL 40323	Soil			0.7	32.4	43.8	60	<0.1	9.6	7.3	310	2.59	5.2	0.4	1.9	1.4	24	<0.1	0.4	0.2	38
TSL 40324	Soil			0.5	22.6	32.9	87	0.1	10.0	5.9	293	2.32	3.1	0.8	1.9	1.6	23	<0.1	0.1	0.2	37
TSL 40325	Soil			1.0	22.5	20.4	110	<0.1	14.1	9.0	364	3.29	5.4	0.4	2.6	2.2	12	<0.1	0.3	0.1	50
TSL 40326	Soil			1.0	17.5	63.6	70	<0.1	15.2	7.7	386	2.88	6.4	0.4	0.7	1.6	23	0.1	0.4	0.6	56
TSL 40327	Soil			0.3	23.4	5.3	64	<0.1	10.7	5.8	219	2.04	3.9	0.5	0.9	2.3	24	0.2	0.2	0.1	38
TSL 40328	Soil			0.3	22.5	5.3	65	<0.1	10.9	6.1	222	2.09	4.0	0.5	3.8	2.3	23	0.2	0.2	0.1	37
TSL 40329	Soil			1.4	240.2	15.4	185	0.4	9.9	10.4	335	4.69	5.3	0.6	7.0	3.2	43	0.2	0.2	0.5	99
TSL 40330	Soil			1.0	59.5	11.6	64	0.9	11.3	6.7	194	2.49	5.9	0.5	12.1	2.1	21	0.1	0.2	0.5	56
TSL 39426	Soil			1.3	16.9	11.5	76	<0.1	14.1	7.2	345	2.59	5.0	0.5	2.9	2.3	17	0.2	0.3	0.1	54
TSL 39427	Soil			2.3	21.3	10.1	78	<0.1	12.9	6.2	263	2.42	7.2	0.7	3.3	1.9	19	0.2	0.3	0.2	47
TSL 39428	Soil			2.0	23.8	11.5	97	0.2	9.4	6.1	269	3.30	6.7	0.7	4.1	2.2	35	0.1	0.2	0.2	54
TSL 39480	Soil			0.7	12.7	11.0	71	0.1	12.7	7.9	351	3.00	5.9	0.4	3.5	1.8	25	<0.1	0.3	0.1	56
TSL 39481	Soil			0.6	19.3	7.8	71	0.1	7.6	4.6	249	2.20	4.5	0.7	1.5	1.6	19	<0.1	0.1	0.1	40
TSL 39482	Soil			0.7	53.0	5.8	88	<0.1	9.0	6.4	279	3.12	4.5	0.6	3.1	2.4	17	0.2	0.2	0.2	41
TSL 39483	Soil			0.6	45.9	11.4	58	<0.1	16.2	8.9	261	2.75	5.6	0.7	2.0	3.1	21	0.1	0.3	0.1	63



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

Project: TSL  
Report Date: July 24, 2009

Page: 11 of 15 Part 2

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	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	Ti	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
TSL 38349	Soil	0.037	8	32	0.27	104	0.071	2	2.14	0.027	0.05	<0.1	0.03	2.8	0.1	0.10	8	0.5
TSL 38350	Soil	0.059	10	32	0.50	327	0.107	1	2.45	0.016	0.12	<0.1	0.06	4.4	0.1	<0.05	9	<0.5
TSL 38351	Soil	0.038	8	23	0.59	163	0.144	2	1.67	0.016	0.12	0.1	0.02	3.6	0.1	<0.05	6	<0.5
TSL 38352	Soil	0.037	8	26	0.35	168	0.095	2	1.70	0.016	0.08	0.1	0.04	3.8	0.1	<0.05	7	<0.5
TSL 38353	Soil	0.032	7	20	0.40	152	0.104	1	1.62	0.013	0.10	<0.1	0.02	3.5	<0.1	<0.05	6	<0.5
TSL 38354	Soil	0.045	8	15	0.46	325	0.103	1	1.63	0.018	0.19	0.1	0.02	4.8	<0.1	<0.05	7	0.6
TSL 38355	Soil	0.045	6	17	0.68	266	0.134	1	1.69	0.019	0.24	<0.1	0.01	4.3	<0.1	<0.05	6	<0.5
TSL 42068	Soil	0.045	6	16	0.60	236	0.124	1	1.65	0.019	0.19	<0.1	0.01	4.1	<0.1	<0.05	6	<0.5
TSL 42069	Soil	0.036	7	18	0.51	146	0.114	<1	1.42	0.015	0.14	<0.1	<0.01	3.6	<0.1	<0.05	5	<0.5
TSL 42070	Soil	0.042	9	20	0.62	261	0.146	1	1.82	0.015	0.27	<0.1	0.02	4.0	0.1	<0.05	7	<0.5
TSL 42071	Soil	0.050	7	18	0.68	254	0.150	1	1.87	0.011	0.33	0.1	0.02	4.4	0.1	<0.05	7	<0.5
TSL 42073	Soil	0.043	9	19	0.53	152	0.122	2	1.70	0.017	0.15	<0.1	0.02	3.9	<0.1	<0.05	7	<0.5
TSL 40320	Soil	0.042	11	17	0.29	156	0.068	1	1.37	0.015	0.09	<0.1	0.06	2.6	<0.1	0.07	7	0.8
TSL 40321	Soil	0.033	5	17	0.81	118	0.140	1	1.59	0.027	0.20	<0.1	0.02	3.9	<0.1	<0.05	7	<0.5
TSL 40322	Soil	0.051	8	18	0.47	119	0.086	1	1.37	0.019	0.09	0.1	0.01	4.1	<0.1	<0.05	5	<0.5
TSL 40323	Soil	0.058	6	15	0.30	105	0.049	2	1.44	0.009	0.08	<0.1	0.01	4.7	0.1	<0.05	6	<0.5
TSL 40324	Soil	0.048	13	18	0.36	220	0.077	1	1.41	0.014	0.15	<0.1	0.03	4.0	<0.1	<0.05	7	<0.5
TSL 40325	Soil	0.027	7	20	0.56	160	0.091	<1	1.70	0.010	0.23	<0.1	0.02	8.6	<0.1	<0.05	7	<0.5
TSL 40326	Soil	0.024	5	23	0.44	187	0.055	2	1.88	0.009	0.08	<0.1	0.01	3.4	<0.1	<0.05	6	<0.5
TSL 40327	Soil	0.028	11	19	0.45	192	0.073	1	1.25	0.011	0.09	0.1	0.02	3.1	<0.1	<0.05	4	<0.5
TSL 40328	Soil	0.028	10	18	0.46	194	0.072	<1	1.26	0.011	0.09	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5
TSL 40329	Soil	0.058	9	14	0.68	321	0.114	<1	2.19	0.050	0.31	<0.1	0.02	4.3	0.3	0.23	7	<0.5
TSL 40330	Soil	0.025	7	21	0.43	360	0.074	<1	1.46	0.018	0.07	0.1	0.07	2.7	<0.1	<0.05	5	<0.5
TSL 39426	Soil	0.041	9	24	0.45	163	0.089	3	1.56	0.016	0.10	0.1	0.03	3.2	<0.1	<0.05	5	<0.5
TSL 39427	Soil	0.040	12	21	0.32	151	0.070	1	1.41	0.013	0.09	0.1	0.03	4.1	0.1	0.06	5	<0.5
TSL 39428	Soil	0.060	9	23	0.38	235	0.069	2	2.03	0.084	0.14	<0.1	0.08	3.7	0.1	0.31	6	<0.5
TSL 39480	Soil	0.033	7	22	0.58	177	0.112	<1	1.59	0.010	0.08	0.1	0.02	2.9	<0.1	<0.05	6	<0.5
TSL 39481	Soil	0.050	12	15	0.33	189	0.094	1	1.25	0.013	0.15	0.1	0.02	4.2	<0.1	<0.05	6	<0.5
TSL 39482	Soil	0.026	11	16	0.45	172	0.076	<1	1.24	0.017	0.13	<0.1	0.01	3.4	<0.1	<0.05	5	<0.5
TSL 39483	Soil	0.015	14	25	0.55	198	0.090	1	1.63	0.020	0.08	<0.1	0.02	3.8	<0.1	<0.05	5	<0.5



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

Project: TSL  
Report Date: July 24, 2009

Page: 12 of 15 Part 1

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	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
TSL 39484	Soil		1.0	21.1	12.5	68	<0.1	11.2	7.4	373	2.90	5.4	0.5	0.9	2.0	22	0.1	0.3	0.2	55	0.24
TSL 39485	Soil		0.8	21.7	6.2	73	<0.1	19.4	9.4	374	3.11	7.3	0.4	<0.5	2.1	17	<0.1	0.4	0.1	60	0.21
TSL 39486	Soil		0.8	27.1	12.3	73	<0.1	16.2	10.4	610	3.25	6.3	0.8	1.9	3.4	21	0.1	0.4	0.2	64	0.29
TSL 39487	Soil		0.9	22.6	11.5	67	<0.1	13.7	11.1	508	3.33	5.4	0.7	<0.5	2.4	19	0.1	0.3	0.2	66	0.30
TSL 39488	Soil		0.9	19.2	11.1	81	<0.1	11.6	7.9	578	2.82	6.3	0.4	<0.5	1.6	32	0.2	0.3	0.1	45	0.35
TSL 39489	Soil		0.3	22.5	20.1	100	<0.1	9.3	9.3	368	3.52	3.7	0.3	0.6	1.1	24	<0.1	0.2	0.2	41	0.29
TSL 39490	Soil		1.4	199.8	15.8	1914	0.3	10.7	17.1	631	5.62	8.1	1.3	<0.5	2.2	11	1.7	0.3	0.1	77	0.18
TSL 39491	Soil		1.4	218.7	12.8	2092	0.2	8.7	19.8	598	5.86	7.3	1.3	1.2	2.1	10	1.6	0.3	0.1	75	0.19
TSL 39492	Soil		0.6	42.6	5.5	68	<0.1	17.2	13.7	317	2.87	7.1	0.4	2.5	1.8	23	0.3	0.3	<0.1	76	0.38
TSL 39493	Soil		0.8	29.8	15.6	130	<0.1	17.9	9.9	447	3.26	6.7	0.7	<0.5	3.4	18	0.3	0.3	0.1	57	0.21
TSL 39494	Soil		0.9	72.9	12.3	177	<0.1	18.7	10.2	487	3.69	9.3	0.7	2.1	2.8	19	0.1	0.2	0.1	71	0.29
TSL 39495	Soil		1.3	25.2	24.0	82	<0.1	11.6	8.4	533	3.19	10.3	0.5	4.9	2.0	15	0.4	0.4	0.2	90	0.14
TSL 42152	Soil		0.4	32.0	4.3	109	<0.1	7.4	7.0	362	2.57	2.9	0.5	0.8	2.5	19	<0.1	0.2	<0.1	40	0.27
TSL 42154	Soil		0.3	51.7	7.9	104	<0.1	7.5	11.4	417	3.17	2.5	0.3	<0.5	1.2	19	<0.1	0.2	<0.1	69	0.23
TSL 42155	Soil		0.5	64.3	8.8	78	<0.1	16.8	15.2	397	3.18	4.7	0.3	<0.5	1.7	32	<0.1	0.2	<0.1	87	0.38
TSL 42156	Soil		0.6	65.7	21.9	53	<0.1	15.2	12.7	332	2.86	5.2	0.4	1.1	1.6	27	<0.1	0.3	0.1	82	0.37
TSL 42157	Soil		0.8	35.3	6.5	57	<0.1	17.4	10.6	335	2.88	6.3	0.5	2.1	2.3	23	<0.1	0.3	0.1	75	0.29
TSL 42158	Soil		0.8	21.5	42.7	107	<0.1	11.8	11.5	511	4.04	4.6	0.3	0.8	1.4	39	<0.1	0.3	0.5	54	0.36
TSL 42159	Soil		0.7	22.5	7.1	62	<0.1	15.2	9.4	303	2.86	5.6	0.5	1.9	2.4	25	<0.1	0.3	0.1	64	0.27
TSL 42160	Soil		0.7	21.2	13.6	99	<0.1	10.1	6.9	409	3.02	4.9	0.4	<0.5	2.2	19	0.1	0.2	0.2	46	0.23
TSL 42161	Soil		0.9	27.4	11.6	85	<0.1	14.3	8.3	416	2.89	7.1	0.7	3.0	3.1	21	0.1	0.3	0.2	61	0.22
TSL 42162	Soil		0.7	260.6	12.2	132	<0.1	12.2	9.1	592	3.12	2.2	1.0	3.7	6.3	12	0.2	0.1	0.3	60	0.21
TSL 42163	Soil		0.7	21.0	12.6	74	<0.1	9.4	5.8	430	2.16	3.9	0.4	<0.5	1.9	20	0.1	0.2	0.1	36	0.23
TSL 42164	Soil		1.0	30.2	8.4	73	<0.1	18.6	8.5	353	2.80	8.5	0.6	2.2	3.4	21	<0.1	0.4	0.1	62	0.23
TSL 42165	Soil		0.8	43.2	8.1	78	<0.1	11.4	14.4	461	4.30	6.7	0.5	0.9	2.3	16	<0.1	0.3	0.2	91	0.24
TSL 42166	Soil		0.9	46.9	14.1	84	<0.1	14.5	15.7	549	4.47	7.2	0.5	2.4	2.6	18	<0.1	0.3	0.1	93	0.26
TSL 42167	Soil		1.2	29.0	9.0	72	<0.1	11.1	9.6	816	3.08	6.1	0.7	1.6	2.6	17	0.2	0.3	0.2	66	0.21
TSL 42168	Soil		1.0	22.0	16.3	77	<0.1	12.0	9.9	563	3.77	5.9	0.4	0.6	2.2	15	0.1	0.3	0.2	57	0.20
TSL 42169	Soil		0.5	18.3	6.4	150	<0.1	6.1	10.2	437	4.37	6.6	0.4	1.2	1.7	19	<0.1	0.3	<0.1	21	0.36
TSL 42170	Soil		0.5	27.3	12.6	173	<0.1	5.4	11.1	488	4.04	3.4	0.3	<0.5	1.0	31	<0.1	0.2	<0.1	28	0.41



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

Project: TSL  
Report Date: July 24, 2009

Page: 12 of 15 Part 2

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	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	Ti	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
TSL 39484	Soil	0.020	6	18	0.37	160	0.104	<1	1.45	0.014	0.23	<0.1	0.01	3.4	0.1	<0.05	6	<0.5
TSL 39485	Soil	0.018	7	29	0.55	208	0.091	<1	1.86	0.011	0.12	<0.1	<0.01	3.4	<0.1	<0.05	6	<0.5
TSL 39486	Soil	0.020	16	28	0.45	336	0.058	<1	1.76	0.016	0.11	<0.1	0.02	5.2	<0.1	<0.05	6	<0.5
TSL 39487	Soil	0.029	14	23	0.43	445	0.045	2	1.78	0.015	0.11	0.1	0.01	5.5	<0.1	<0.05	6	<0.5
TSL 39488	Soil	0.037	8	20	0.47	274	0.118	1	1.65	0.016	0.25	<0.1	0.02	3.9	<0.1	<0.05	6	<0.5
TSL 39489	Soil	0.020	4	15	0.66	193	0.122	<1	1.77	0.019	0.20	<0.1	<0.01	4.5	<0.1	<0.05	6	<0.5
TSL 39490	Soil	0.054	6	17	0.44	207	0.043	1	2.28	0.020	0.11	<0.1	0.02	8.7	0.2	<0.05	9	0.6
TSL 39491	Soil	0.055	5	14	0.40	184	0.046	3	2.18	0.025	0.11	<0.1	0.02	10.0	0.2	<0.05	9	0.9
TSL 39492	Soil	0.039	7	25	0.61	177	0.109	1	1.82	0.025	0.08	<0.1	0.01	3.4	<0.1	<0.05	6	<0.5
TSL 39493	Soil	0.039	13	29	0.53	194	0.089	1	1.90	0.014	0.20	0.1	0.01	4.2	0.1	<0.05	7	<0.5
TSL 39494	Soil	0.032	15	43	0.90	265	0.105	3	1.96	0.015	0.32	<0.1	0.01	5.9	0.2	<0.05	6	<0.5
TSL 39495	Soil	0.151	10	31	0.31	195	0.098	1	1.75	0.009	0.07	<0.1	0.01	2.7	0.2	0.05	9	<0.5
TSL 42152	Soil	0.014	9	13	0.40	140	0.101	<1	1.27	0.018	0.24	<0.1	<0.01	4.8	0.1	<0.05	5	<0.5
TSL 42154	Soil	0.014	4	13	0.76	204	0.150	<1	2.00	0.024	0.43	<0.1	<0.01	3.6	0.2	<0.05	6	<0.5
TSL 42155	Soil	0.033	6	27	0.83	213	0.123	<1	1.94	0.030	0.22	<0.1	<0.01	4.1	0.1	<0.05	6	<0.5
TSL 42156	Soil	0.028	6	25	0.68	227	0.126	<1	1.75	0.028	0.10	<0.1	<0.01	3.7	<0.1	<0.05	5	<0.5
TSL 42157	Soil	0.020	9	31	0.56	213	0.116	<1	1.87	0.024	0.06	<0.1	0.01	3.9	<0.1	<0.05	6	<0.5
TSL 42158	Soil	0.071	6	18	0.83	189	0.143	<1	1.96	0.014	0.15	0.1	<0.01	3.8	<0.1	<0.05	7	<0.5
TSL 42159	Soil	0.027	10	28	0.58	201	0.118	1	1.95	0.017	0.07	<0.1	0.01	4.0	<0.1	<0.05	6	<0.5
TSL 42160	Soil	0.026	8	19	0.54	185	0.106	<1	1.65	0.012	0.17	0.1	<0.01	4.0	0.1	<0.05	7	<0.5
TSL 42161	Soil	0.030	12	28	0.45	188	0.093	<1	1.78	0.012	0.11	0.1	0.02	4.2	0.1	<0.05	7	<0.5
TSL 42162	Soil	0.023	16	14	0.46	248	0.072	1	1.80	0.022	0.24	<0.1	<0.01	4.9	0.2	<0.05	6	<0.5
TSL 42163	Soil	0.020	8	16	0.32	176	0.063	<1	1.40	0.012	0.08	<0.1	0.01	3.4	<0.1	<0.05	6	<0.5
TSL 42164	Soil	0.017	12	32	0.45	245	0.085	2	1.74	0.014	0.07	0.1	0.01	3.4	0.1	<0.05	6	<0.5
TSL 42165	Soil	0.018	7	21	0.55	228	0.021	<1	1.90	0.015	0.04	<0.1	0.02	7.3	<0.1	<0.05	6	0.9
TSL 42166	Soil	0.022	8	24	0.56	244	0.027	1	2.04	0.015	0.06	<0.1	0.02	7.9	<0.1	<0.05	7	0.5
TSL 42167	Soil	0.040	18	22	0.33	388	0.030	2	1.78	0.016	0.09	<0.1	0.02	5.5	<0.1	<0.05	7	<0.5
TSL 42168	Soil	0.048	7	20	0.41	374	0.023	<1	1.83	0.011	0.06	0.1	<0.01	7.1	<0.1	<0.05	6	<0.5
TSL 42169	Soil	0.078	7	9	0.54	283	0.024	<1	1.83	0.012	0.08	<0.1	0.01	12.0	<0.1	<0.05	8	<0.5
TSL 42170	Soil	0.058	4	10	0.63	271	0.082	<1	1.83	0.018	0.10	<0.1	<0.01	5.1	<0.1	<0.05	8	<0.5



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

Project: TSL  
Report Date: July 24, 2009

Page: 13 of 15 Part 1

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	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
TSL 42171	Soil			1.2	107.5	18.6	681	0.2	25.5	14.2	409	3.49	8.4	0.9	4.6	4.1	17	0.8	0.5	0.2	76
TSL 42172	Soil			1.0	71.5	18.5	389	<0.1	12.1	8.6	406	3.77	10.6	0.9	1.6	2.7	16	0.5	0.3	0.2	76
TSL 42173	Soil			0.6	68.6	32.1	155	<0.1	15.8	16.1	658	3.70	3.6	0.7	0.8	3.8	8	0.1	0.2	0.2	57
TSL 42174	Soil			1.4	48.6	33.2	98	<0.1	15.2	6.9	545	3.34	9.9	0.5	0.9	2.4	18	0.4	0.4	0.2	84
TSL 42039	Soil			2.6	21.3	13.3	41	0.2	12.3	5.8	221	3.16	6.3	0.6	3.3	2.4	21	0.1	0.3	0.1	47
TSL 42040	Soil			0.9	18.4	10.1	98	<0.1	11.5	7.7	377	3.15	5.5	0.5	1.5	1.9	17	0.1	0.3	0.1	52
TSL 42041	Soil			0.6	49.5	9.4	87	<0.1	9.3	7.7	389	3.19	5.2	0.5	<0.5	2.0	22	<0.1	0.2	0.2	53
TSL 42042	Soil			0.7	17.9	8.9	75	<0.1	13.4	6.4	277	2.70	6.3	0.5	3.2	2.7	17	<0.1	0.3	0.1	54
TSL 42043	Soil			0.7	25.9	147.5	90	<0.1	12.8	8.6	340	2.95	4.6	0.6	4.6	2.1	20	0.1	0.3	0.3	56
TSL 42044	Soil			0.5	22.5	40.0	71	<0.1	12.6	8.4	275	2.89	5.2	0.4	<0.5	1.8	20	<0.1	0.3	0.1	56
TSL 42045	Soil			0.3	20.6	7.4	137	<0.1	6.6	10.8	408	3.56	1.9	0.2	<0.5	0.8	20	<0.1	<0.1	<0.1	27
TSL 42046	Soil			0.3	20.2	6.9	136	<0.1	6.6	10.5	409	3.43	2.2	0.2	<0.5	0.8	20	<0.1	0.1	<0.1	28
TSL 42047	Soil			0.4	19.2	3.8	149	<0.1	9.7	10.2	376	3.88	2.8	0.3	<0.5	0.9	17	<0.1	0.1	<0.1	26
TSL 42048	Soil			0.4	18.2	3.8	153	<0.1	9.2	10.7	386	4.06	2.9	0.2	<0.5	0.9	19	<0.1	0.1	<0.1	26
TSL 42049	Soil			0.4	14.7	3.2	145	<0.1	3.9	10.5	493	4.18	2.0	0.2	<0.5	0.7	20	<0.1	0.2	<0.1	21
TSL 42050	Soil			0.7	15.3	5.2	121	<0.1	10.2	10.3	361	3.85	4.3	0.3	1.3	1.0	22	<0.1	0.2	<0.1	45
TSL 45039	Soil			1.0	20.1	10.6	77	<0.1	9.5	7.3	381	3.09	4.7	0.7	<0.5	2.7	23	0.1	0.2	0.1	40
TSL 45040	Soil			1.2	30.4	20.3	75	<0.1	8.7	3.5	182	3.12	6.0	0.6	1.2	1.7	41	0.1	0.2	0.2	45
TSL 45041	Soil			0.7	15.4	12.9	50	<0.1	10.4	4.7	141	2.45	6.5	0.7	3.4	0.5	15	0.1	0.3	0.2	50
TSL 45042	Soil			0.8	15.1	9.9	92	<0.1	10.8	5.3	305	2.78	5.9	0.5	0.9	1.8	14	0.2	0.2	0.1	47
TSL 45043	Soil			0.7	15.8	6.6	112	<0.1	13.4	7.1	433	2.77	4.7	0.4	4.3	1.2	15	0.2	0.2	<0.1	43
TSL 45044	Soil			1.0	29.0	10.2	60	<0.1	16.3	6.7	250	3.10	8.0	0.5	2.1	2.1	22	<0.1	0.3	0.1	74
TSL 45045	Soil			1.0	29.4	11.1	71	<0.1	14.6	6.8	287	3.11	7.0	0.5	1.6	2.2	20	<0.1	0.3	0.1	60
TSL 45046	Soil			0.9	25.8	8.7	54	<0.1	25.0	10.9	280	3.09	8.7	0.6	2.1	3.0	23	<0.1	0.5	0.1	76
TSL 45047	Soil			0.4	55.6	5.0	43	<0.1	11.0	12.9	303	2.86	4.3	0.2	<0.5	1.0	16	<0.1	0.2	<0.1	89
TSL 45048	Soil			0.5	64.1	5.1	42	<0.1	12.7	11.6	273	2.67	4.8	0.3	<0.5	1.1	42	<0.1	0.2	<0.1	77
TSL 45049	Soil			1.2	33.2	10.0	51	<0.1	24.1	10.4	342	3.18	10.1	0.9	1.1	3.6	26	<0.1	0.6	0.1	77
TSL 45050	Soil			0.3	89.4	5.7	44	<0.1	12.2	15.2	283	2.45	1.8	0.1	<0.5	0.3	17	<0.1	<0.1	<0.1	79
TSL 45051	Soil			0.7	82.0	37.9	48	<0.1	9.9	11.0	333	2.46	3.3	0.2	<0.5	0.5	18	<0.1	0.2	0.1	79
TSL 45052	Soil			0.9	106.7	4.5	54	<0.1	23.0	15.2	329	2.95	7.5	0.4	<0.5	1.4	15	<0.1	0.3	<0.1	76





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

Project: TSL  
Report Date: July 24, 2009

Page: 13 of 15 Part 2

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	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
TSL 42171	Soil	0.045	9	35	0.62	270	0.095	1	2.47	0.018	0.07	0.1	0.02	3.9	0.1	<0.05	7	0.6
TSL 42172	Soil	0.047	16	20	0.45	191	0.055	<1	1.69	0.012	0.06	<0.1	<0.01	4.5	<0.1	<0.05	8	1.0
TSL 42173	Soil	0.039	10	27	0.57	175	0.035	3	1.48	0.012	0.22	<0.1	<0.01	7.0	0.2	<0.05	4	0.7
TSL 42174	Soil	0.050	8	33	0.44	251	0.087	2	1.88	0.012	0.07	0.1	0.01	2.9	<0.1	<0.05	9	<0.5
TSL 42039	Soil	0.039	8	25	0.34	141	0.073	<1	1.45	0.048	0.04	0.1	0.06	2.6	<0.1	0.14	5	<0.5
TSL 42040	Soil	0.040	8	23	0.51	171	0.118	1	1.72	0.011	0.17	0.1	<0.01	4.0	<0.1	<0.05	6	<0.5
TSL 42041	Soil	0.036	8	18	0.50	193	0.105	2	1.70	0.013	0.23	<0.1	<0.01	4.4	0.1	<0.05	6	<0.5
TSL 42042	Soil	0.030	8	25	0.39	139	0.079	1	1.57	0.011	0.06	0.1	<0.01	3.5	<0.1	<0.05	6	<0.5
TSL 42043	Soil	0.035	9	21	0.57	276	0.110	1	1.77	0.016	0.14	0.1	<0.01	4.3	<0.1	<0.05	6	0.5
TSL 42044	Soil	0.032	7	21	0.56	231	0.109	1	1.60	0.016	0.12	<0.1	<0.01	3.8	<0.1	<0.05	6	0.5
TSL 42045	Soil	0.083	3	8	0.80	344	0.120	1	1.82	0.017	0.48	<0.1	<0.01	5.1	0.1	<0.05	7	<0.5
TSL 42046	Soil	0.082	3	8	0.80	332	0.120	<1	1.76	0.016	0.49	<0.1	<0.01	4.9	0.1	<0.05	7	<0.5
TSL 42047	Soil	0.085	3	22	0.76	286	0.106	1	1.99	0.013	0.43	<0.1	<0.01	4.4	<0.1	<0.05	7	0.6
TSL 42048	Soil	0.088	3	20	0.77	299	0.107	1	2.07	0.014	0.43	<0.1	<0.01	4.6	0.1	<0.05	8	<0.5
TSL 42049	Soil	0.098	3	6	0.73	373	0.178	<1	1.93	0.011	0.73	<0.1	<0.01	3.7	0.1	<0.05	7	<0.5
TSL 42050	Soil	0.059	4	16	0.72	377	0.158	<1	2.02	0.014	0.34	<0.1	0.01	4.0	0.1	<0.05	7	<0.5
TSL 45039	Soil	0.054	10	18	0.51	151	0.121	2	1.58	0.021	0.24	<0.1	<0.01	4.3	0.1	0.07	6	<0.5
TSL 45040	Soil	0.031	9	27	0.42	165	0.058	<1	1.67	0.044	0.12	<0.1	0.02	3.6	<0.1	0.28	6	0.9
TSL 45041	Soil	0.040	9	21	0.30	167	0.048	1	1.63	0.010	0.05	<0.1	0.02	2.6	<0.1	<0.05	6	0.6
TSL 45042	Soil	0.034	8	20	0.38	143	0.097	1	1.56	0.012	0.13	0.1	<0.01	3.4	<0.1	<0.05	7	<0.5
TSL 45043	Soil	0.045	6	27	0.50	130	0.104	2	1.74	0.011	0.16	<0.1	<0.01	3.0	0.1	<0.05	7	0.6
TSL 45044	Soil	0.021	8	27	0.42	184	0.087	<1	1.70	0.013	0.06	0.1	0.01	3.9	<0.1	<0.05	7	<0.5
TSL 45045	Soil	0.023	8	24	0.46	178	0.087	2	1.67	0.013	0.07	<0.1	<0.01	4.5	<0.1	<0.05	6	<0.5
TSL 45046	Soil	0.017	10	39	0.60	248	0.097	2	2.14	0.016	0.05	0.1	<0.01	4.0	<0.1	<0.05	6	0.6
TSL 45047	Soil	0.017	3	15	0.80	171	0.135	1	1.89	0.026	0.14	<0.1	<0.01	3.3	<0.1	<0.05	4	<0.5
TSL 45048	Soil	0.031	5	23	0.58	248	0.050	1	1.71	0.021	0.04	<0.1	0.01	4.1	<0.1	<0.05	5	0.8
TSL 45049	Soil	0.021	13	43	0.58	227	0.086	<1	2.11	0.016	0.04	0.1	0.02	5.2	<0.1	<0.05	6	<0.5
TSL 45050	Soil	0.021	1	16	1.01	218	0.168	<1	1.92	0.023	0.14	<0.1	<0.01	2.1	<0.1	<0.05	4	<0.5
TSL 45051	Soil	0.066	3	16	0.66	177	0.122	<1	1.36	0.020	0.16	<0.1	<0.01	2.4	<0.1	<0.05	5	<0.5
TSL 45052	Soil	0.018	5	23	0.73	290	0.111	2	1.94	0.017	0.07	<0.1	0.01	3.4	<0.1	<0.05	5	<0.5



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

Project: TSL  
Report Date: July 24, 2009

Page: 14 of 15 Part 1

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	Method Analyte	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 %
	Unit MDL	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
TSL 45053	Soil		0.9	23.7	8.6	83	<0.1	18.5	11.1	354	3.07	6.4	0.7	3.9	2.7	19	<0.1	0.4	0.1	63	0.22
TSL 45054	Soil		1.6	19.0	12.2	61	<0.1	18.8	9.8	303	3.64	9.1	0.9	3.6	3.8	15	<0.1	0.6	0.2	78	0.14
TSL 45055	Soil		0.7	15.4	29.5	94	<0.1	14.5	9.2	400	2.98	5.5	0.6	4.3	1.9	18	0.1	0.3	0.2	57	0.21
TSL 45056	Soil		0.4	17.1	2.8	158	<0.1	4.3	11.0	523	4.10	1.5	0.3	2.1	0.9	15	<0.1	0.1	<0.1	22	0.30
TSL 45057	Soil		0.5	18.2	12.5	221	<0.1	4.1	6.9	541	3.56	2.5	0.2	1.9	0.9	12	0.2	0.2	0.2	27	0.21
TSL 45058	Soil		1.2	25.8	9.7	53	<0.1	24.9	10.6	312	3.13	9.7	0.7	3.7	4.5	18	<0.1	0.6	0.2	72	0.18
TSL 45059	Soil		0.9	27.9	33.4	80	<0.1	20.9	9.1	281	3.61	6.1	0.9	1.8	4.3	20	<0.1	0.4	0.3	63	0.17
TSL 45060	Soil		1.4	16.7	11.4	66	<0.1	17.0	8.0	363	3.36	8.7	0.6	3.0	3.1	18	<0.1	0.5	0.2	82	0.17
TSL 45061	Soil		0.7	14.9	12.3	128	<0.1	10.4	10.5	357	3.97	4.7	0.3	1.8	1.2	33	<0.1	0.3	<0.1	60	0.24
TSL 45068	Soil		1.5	46.4	13.3	123	<0.1	11.8	13.0	614	3.26	5.4	0.6	2.5	2.0	28	0.2	0.2	0.2	63	0.36
TSL 45069	Soil		0.8	35.4	16.1	117	0.1	16.9	8.7	245	2.83	5.6	0.7	3.5	2.4	26	0.3	0.3	0.2	67	0.38
TSL 45077	Soil		0.9	61.3	15.3	155	0.5	13.2	9.2	401	3.38	4.9	0.4	2.2	1.9	24	0.2	0.3	0.5	81	0.32
TSL 45078	Soil		0.7	26.1	11.0	89	<0.1	11.6	10.2	428	3.19	4.4	0.4	1.0	1.6	20	<0.1	0.2	0.1	69	0.28
TSL 45079	Soil		0.8	26.7	8.5	84	<0.1	11.2	7.6	305	3.12	4.0	0.6	3.2	1.9	22	<0.1	0.2	0.1	64	0.30
TSL 45080	Soil		0.7	22.2	19.0	67	<0.1	10.4	7.5	390	2.52	3.7	0.4	2.2	1.6	26	<0.1	0.2	0.2	57	0.32
TSL 45081	Soil		0.8	25.3	26.2	107	<0.1	10.8	8.3	440	3.56	4.5	0.5	1.9	2.0	18	<0.1	0.3	0.2	53	0.28
TSL 45082	Soil		0.9	37.7	50.6	69	0.3	12.4	8.0	395	2.73	5.2	0.9	6.9	2.2	30	0.1	0.2	0.3	56	0.35
TSL 45083	Soil		0.5	63.3	17.1	105	<0.1	10.2	11.1	468	3.17	4.2	0.6	2.0	2.6	32	0.1	0.3	0.1	59	0.36
TSL 45084	Soil		0.7	39.1	8.7	84	<0.1	12.1	7.0	310	2.99	5.6	0.6	3.8	2.6	23	0.1	0.2	0.1	56	0.28
TSL 45085	Soil		0.8	57.9	8.8	98	0.1	11.1	6.8	401	3.08	4.1	1.0	2.8	2.8	24	0.2	0.2	0.2	44	0.29
TSL 45086	Soil		0.7	28.7	6.0	89	<0.1	11.8	8.2	405	3.17	3.8	0.6	1.6	2.3	17	<0.1	0.2	<0.1	48	0.23
TSL 45087	Soil		0.7	37.2	10.6	79	<0.1	17.3	11.6	527	3.65	4.3	0.8	3.5	4.5	24	<0.1	0.3	0.1	77	0.41
TSL 45088	Soil		0.6	37.4	10.2	76	<0.1	15.1	11.0	524	3.41	3.7	0.8	2.6	4.3	21	<0.1	0.2	<0.1	78	0.41
TSL 45089	Soil		1.3	29.8	16.4	113	<0.1	12.4	12.2	731	4.38	3.2	0.5	2.5	2.6	21	0.1	0.3	0.2	89	0.42
TSL 40103	Soil		0.7	21.7	18.2	64	0.1	10.0	5.9	203	2.41	3.2	0.7	3.2	1.2	19	0.1	0.2	0.1	46	0.22
TSL 40104	Soil		1.0	24.6	16.4	99	0.2	10.9	7.5	297	2.99	3.7	0.5	2.3	1.7	24	0.1	0.2	0.1	53	0.28
TSL 40105	Soil		0.7	21.9	6.5	86	<0.1	9.2	9.7	317	3.10	3.8	0.4	1.9	1.4	22	<0.1	0.2	<0.1	49	0.31
TSL 40821	Soil		1.5	39.6	35.9	77	0.7	8.2	3.7	213	3.14	7.8	1.0	9.1	2.6	29	0.3	0.2	0.2	49	0.15
TSL 40822	Soil		0.7	62.7	9.4	97	0.1	9.4	14.5	377	3.50	2.4	0.5	2.7	1.3	20	0.2	0.2	<0.1	117	0.30
TSL 40823	Soil		0.9	26.5	14.5	151	<0.1	10.1	9.7	409	4.95	4.2	0.7	2.4	1.8	29	0.2	0.2	<0.1	47	0.32



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

Project: TSL  
Report Date: July 24, 2009

Page: 14 of 15 Part 2

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	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	0.01	0.01	0.1	0.1	0.05	1	0.5
TSL 45053	Soil	0.031	10	28	0.58	221	0.106	<1	1.97	0.013	0.15	<0.1	0.01	3.8	<0.1	<0.05	6	<0.5
TSL 45054	Soil	0.030	9	40	0.51	169	0.089	1	2.33	0.010	0.05	0.1	0.02	4.2	0.1	<0.05	7	<0.5
TSL 45055	Soil	0.039	7	24	0.55	187	0.118	<1	1.82	0.012	0.11	0.1	<0.01	3.0	<0.1	<0.05	7	<0.5
TSL 45056	Soil	0.092	3	7	0.69	266	0.154	<1	1.97	0.010	0.59	<0.1	<0.01	5.4	0.1	<0.05	8	<0.5
TSL 45057	Soil	0.077	3	7	0.45	107	0.074	1	1.51	0.010	0.25	<0.1	<0.01	3.9	<0.1	<0.05	7	<0.5
TSL 45058	Soil	0.020	10	45	0.52	195	0.096	2	2.81	0.013	0.06	<0.1	0.03	4.3	<0.1	<0.05	7	<0.5
TSL 45059	Soil	0.014	12	38	0.46	195	0.086	3	2.22	0.012	0.06	0.1	0.02	5.8	<0.1	<0.05	6	<0.5
TSL 45060	Soil	0.052	11	34	0.38	194	0.085	1	2.05	0.012	0.05	<0.1	0.01	3.2	<0.1	<0.05	8	<0.5
TSL 45061	Soil	0.037	3	18	0.77	142	0.160	1	2.30	0.010	0.08	<0.1	<0.01	2.6	<0.1	<0.05	8	<0.5
TSL 45068	Soil	0.039	12	24	0.50	439	0.076	1	1.56	0.023	0.16	<0.1	0.03	5.5	0.1	0.08	6	0.7
TSL 45069	Soil	0.043	15	31	0.51	350	0.083	3	1.79	0.022	0.08	0.1	0.04	5.9	<0.1	<0.05	7	1.0
TSL 45077	Soil	0.030	8	22	0.61	307	0.137	2	1.80	0.022	0.14	<0.1	0.03	4.2	0.1	<0.05	8	<0.5
TSL 45078	Soil	0.040	6	23	0.64	194	0.149	2	1.67	0.017	0.24	<0.1	0.01	4.1	0.1	<0.05	7	<0.5
TSL 45079	Soil	0.032	8	19	0.59	198	0.136	1	1.79	0.014	0.16	<0.1	0.02	3.9	0.1	<0.05	8	<0.5
TSL 45080	Soil	0.036	8	18	0.50	179	0.120	1	1.45	0.019	0.15	<0.1	0.01	3.5	<0.1	<0.05	6	<0.5
TSL 45081	Soil	0.036	7	19	0.53	197	0.096	2	1.69	0.012	0.16	<0.1	0.02	4.7	<0.1	<0.05	7	<0.5
TSL 45082	Soil	0.038	18	24	0.44	265	0.077	2	1.81	0.018	0.07	0.1	0.03	5.2	<0.1	<0.05	6	<0.5
TSL 45083	Soil	0.030	11	16	0.62	194	0.069	2	1.68	0.014	0.05	<0.1	0.04	5.1	0.1	<0.05	6	<0.5
TSL 45084	Soil	0.028	11	22	0.51	184	0.096	2	1.70	0.015	0.07	<0.1	0.02	3.8	<0.1	<0.05	6	<0.5
TSL 45085	Soil	0.035	20	19	0.43	257	0.080	2	1.50	0.017	0.11	0.1	0.02	4.7	0.1	<0.05	6	0.7
TSL 45086	Soil	0.029	8	18	0.47	164	0.113	3	1.56	0.013	0.25	<0.1	0.01	3.9	0.1	<0.05	7	0.7
TSL 45087	Soil	0.033	18	25	0.73	234	0.151	2	1.84	0.022	0.21	<0.1	0.02	5.6	0.1	<0.05	7	0.5
TSL 45088	Soil	0.036	16	23	0.74	232	0.151	2	1.68	0.022	0.24	<0.1	0.02	5.6	0.1	<0.05	8	<0.5
TSL 45089	Soil	0.037	7	19	0.71	244	0.084	2	1.84	0.019	0.15	<0.1	0.02	6.1	<0.1	<0.05	8	<0.5
TSL 40103	Soil	0.040	9	19	0.37	215	0.090	1	1.34	0.020	0.08	0.1	0.03	3.7	<0.1	<0.05	5	<0.5
TSL 40104	Soil	0.037	11	21	0.49	262	0.117	2	1.73	0.021	0.13	<0.1	0.03	4.7	<0.1	<0.05	7	<0.5
TSL 40105	Soil	0.038	6	19	0.65	246	0.131	2	1.75	0.020	0.17	<0.1	0.02	4.0	<0.1	<0.05	6	0.5
TSL 40821	Soil	0.046	11	24	0.32	220	0.069	2	1.77	0.024	0.14	<0.1	0.23	3.7	0.1	0.16	7	<0.5
TSL 40822	Soil	0.029	6	16	0.77	155	0.145	2	2.08	0.034	0.27	<0.1	0.02	4.9	0.2	<0.05	8	<0.5
TSL 40823	Soil	0.043	9	14	0.65	198	0.118	2	2.24	0.020	0.22	<0.1	0.02	7.5	0.1	<0.05	9	0.7



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

**Project:** TSL  
**Report Date:** July 24, 2009

**Page:** 15 of 15    **Part** 1

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	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
TSL 40824	Soil		1.0	16.6	15.0	106	<0.1	11.7	6.7	357	3.55	5.3	0.4	1.5	1.7	19	<0.1	0.2	0.1	50	0.20
TSL 40825	Soil		1.2	14.0	11.1	55	0.2	6.8	4.8	423	1.86	2.7	0.4	<0.5	1.0	17	0.1	0.2	0.1	45	0.17
TSL 40826	Soil		0.7	23.2	5.8	69	<0.1	14.1	7.2	255	2.77	4.7	0.5	4.7	2.3	21	<0.1	0.3	0.1	53	0.28
TSL 40827	Soil		0.4	21.4	7.0	62	<0.1	5.3	3.9	294	2.00	2.3	0.3	0.8	1.5	25	<0.1	0.1	<0.1	28	0.26
TSL 40828	Soil		0.4	23.8	2.4	63	<0.1	6.7	13.1	476	4.04	1.8	0.3	<0.5	1.4	10	<0.1	<0.1	<0.1	57	0.64
TSL 40829	Soil		0.4	14.5	3.5	77	<0.1	7.5	12.9	535	3.83	2.8	0.3	1.2	1.4	17	<0.1	0.1	<0.1	48	0.61
TSL 42014	Soil		1.2	12.8	7.3	46	<0.1	6.5	4.3	262	2.22	4.3	0.3	5.1	1.2	13	<0.1	0.3	0.2	59	0.13
TSL 42036	Soil		3.1	23.9	14.3	85	<0.1	12.7	7.0	349	2.68	4.8	0.7	8.9	2.8	18	0.1	0.4	0.2	50	0.25
TSL 42037	Soil		0.8	23.9	7.4	73	<0.1	10.3	7.3	219	2.47	5.5	0.6	5.4	2.7	14	0.1	0.3	0.1	45	0.13
TSL 42038	Soil		1.5	24.5	11.4	54	0.1	8.6	4.4	160	2.65	5.5	0.9	6.4	0.9	27	0.1	0.3	0.1	37	0.12
TSL 42051	Soil		0.6	25.0	2.6	119	<0.1	4.9	9.1	418	3.37	2.5	0.1	0.8	0.5	12	<0.1	0.1	<0.1	37	0.20
TSL 42052	Soil		0.6	17.4	4.3	96	<0.1	6.4	6.8	329	2.60	3.1	0.3	3.0	1.2	15	0.2	0.2	<0.1	30	0.18
TSL 42072	Soil		0.6	17.6	6.8	102	<0.1	7.3	9.8	501	3.03	3.9	0.5	1.4	1.1	15	<0.1	0.2	0.1	47	0.18
TSL 42095	Soil		0.6	14.6	6.3	75	<0.1	7.9	8.9	293	2.66	4.2	0.3	2.1	1.6	13	<0.1	0.2	<0.1	40	0.16
TSL 42096	Soil		0.8	16.7	7.5	87	<0.1	8.0	6.6	214	2.59	4.6	0.5	1.9	1.5	15	0.2	0.2	0.1	42	0.18



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

**Project:** TSL  
**Report Date:** July 24, 2009

**Page:** 15 of 15 Part 2

## CERTIFICATE OF ANALYSIS

VAN09002930.1

	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
TSL 40824	Soil	0.042	8	20	0.49	111	0.127	<1	1.71	0.009	0.19	<0.1	0.02	4.8	<0.1	<0.05	7	<0.5
TSL 40825	Soil	0.055	9	16	0.21	149	0.068	<1	1.07	0.015	0.09	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5
TSL 40826	Soil	0.018	12	23	0.46	203	0.100	1	1.60	0.016	0.09	<0.1	<0.01	5.3	<0.1	<0.05	7	<0.5
TSL 40827	Soil	0.011	5	10	0.26	96	0.087	1	1.17	0.009	0.14	<0.1	<0.01	4.1	0.1	<0.05	6	<0.5
TSL 40828	Soil	0.091	5	16	0.71	300	0.161	1	1.70	0.062	0.30	<0.1	<0.01	7.9	0.1	<0.05	7	<0.5
TSL 40829	Soil	0.090	7	15	0.65	153	0.133	<1	1.79	0.051	0.26	<0.1	<0.01	6.4	0.1	<0.05	7	<0.5
TSL 42014	Soil	0.032	4	13	0.30	243	0.108	2	0.84	0.012	0.16	0.1	0.03	2.4	0.1	0.08	7	<0.5
TSL 42036	Soil	0.041	16	25	0.45	209	0.087	1	1.36	0.012	0.12	0.1	0.04	4.9	0.1	<0.05	4	<0.5
TSL 42037	Soil	0.034	9	19	0.33	117	0.070	2	1.29	0.012	0.11	<0.1	0.02	3.3	0.1	0.07	4	<0.5
TSL 42038	Soil	0.054	9	17	0.28	147	0.047	1	1.46	0.043	0.08	<0.1	0.07	3.7	0.1	0.18	5	0.6
TSL 42051	Soil	0.059	2	10	0.78	266	0.177	<1	1.73	0.008	0.70	<0.1	0.01	2.4	0.1	<0.05	5	<0.5
TSL 42052	Soil	0.048	5	12	0.48	204	0.108	1	1.29	0.011	0.27	<0.1	0.01	3.1	<0.1	<0.05	5	<0.5
TSL 42072	Soil	0.039	5	14	0.57	230	0.120	<1	1.45	0.010	0.29	<0.1	0.02	3.7	0.1	<0.05	6	<0.5
TSL 42095	Soil	0.040	5	18	0.50	162	0.076	1	1.42	0.013	0.12	<0.1	0.03	4.2	<0.1	<0.05	5	<0.5
TSL 42096	Soil	0.040	7	15	0.44	185	0.082	2	1.47	0.013	0.10	<0.1	0.02	4.0	<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

Project: TSL  
Report Date: July 24, 2009

Page: 1 of 3 Part 1

## QUALITY CONTROL REPORT

VAN09002930.1

	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																					
TSL 39068	Soil		0.7	23.8	7.9	54	<0.1	20.1	10.5	324	2.43	6.3	0.9	1.9	2.8	31	0.1	0.4	0.1	60	0.41
REP TSL 39068	QC		0.7	25.1	7.9	53	<0.1	19.3	10.6	330	2.50	6.3	1.0	4.3	2.8	32	0.1	0.4	0.2	60	0.42
TSL 40170	Soil		0.6	14.0	21.2	69	<0.1	12.8	8.6	388	2.96	4.8	0.8	<0.5	3.6	21	<0.1	0.2	0.2	55	0.22
REP TSL 40170	QC		0.7	14.3	21.1	65	<0.1	13.7	8.6	387	2.87	4.2	0.8	1.3	3.5	19	<0.1	0.3	0.2	54	0.23
TSL 40302	Soil		0.6	49.0	13.7	82	0.2	11.2	10.4	259	2.58	4.8	0.9	1.3	1.6	35	0.2	0.2	0.2	49	0.26
REP TSL 40302	QC		0.6	47.3	13.6	79	0.2	11.8	9.5	256	2.58	4.4	0.9	0.9	1.6	34	0.2	0.1	0.1	51	0.27
TSL 38062	Soil		0.6	34.7	15.0	93	<0.1	8.7	9.3	568	4.64	3.5	1.0	<0.5	4.6	17	<0.1	0.3	0.2	44	0.19
REP TSL 38062	QC		0.6	34.3	16.2	96	<0.1	8.5	9.9	587	4.58	4.3	1.0	<0.5	4.7	18	<0.1	0.3	0.2	45	0.19
TSL 40573	Soil		0.7	37.1	12.3	65	<0.1	39.4	14.0	390	2.99	17.6	1.0	8.2	6.1	24	0.1	0.2	0.2	73	0.45
REP TSL 40573	QC		0.8	37.9	12.7	65	<0.1	41.2	14.6	411	3.11	17.8	1.0	2.5	6.4	25	<0.1	0.2	0.2	71	0.45
TSL 40343	Soil		1.5	38.9	12.5	118	<0.1	21.3	10.1	389	3.75	4.8	0.6	1.3	2.7	22	<0.1	0.2	0.1	55	0.17
REP TSL 40343	QC		1.4	35.6	11.9	109	<0.1	19.2	9.5	354	3.68	4.8	0.6	2.5	2.5	21	<0.1	0.2	0.1	53	0.16
TSL 39450	Soil		0.9	78.5	7.5	36	0.3	12.9	9.4	130	2.67	4.9	0.6	2.4	0.3	24	0.3	0.2	0.2	67	0.21
REP TSL 39450	QC		0.8	76.2	7.6	35	0.3	12.9	9.2	132	2.74	5.2	0.6	2.0	0.4	23	0.2	0.2	0.2	70	0.22
TSL 40341	Soil		0.4	101.4	34.9	853	0.2	122.0	58.2	2928	9.36	1.7	0.5	1.1	1.1	31	1.4	<0.1	0.2	232	0.64
REP TSL 40341	QC		0.3	104.4	34.0	786	0.2	118.4	58.3	3032	9.19	1.3	0.4	1.9	1.0	31	1.4	<0.1	0.2	228	0.64
TSL 40297	Soil		0.6	15.2	9.8	68	<0.1	10.4	5.3	187	2.02	4.1	0.8	2.1	2.1	16	<0.1	0.3	0.1	42	0.20
REP TSL 40297	QC		0.5	15.3	9.4	64	<0.1	11.1	5.7	186	2.08	4.4	0.9	6.0	2.0	17	0.1	0.2	0.1	42	0.20
TSL 40612	Soil		0.4	40.6	7.9	55	<0.1	11.4	16.4	377	4.07	6.1	0.4	<0.5	1.4	28	<0.1	0.4	<0.1	141	0.71
REP TSL 40612	QC		0.5	45.2	7.7	57	<0.1	12.3	17.1	393	4.26	5.9	0.4	0.7	1.6	29	<0.1	0.3	<0.1	144	0.71
TSL 40436	Soil		0.4	81.2	8.6	217	<0.1	20.0	16.8	1380	5.34	2.7	0.7	2.2	3.5	28	0.1	0.2	<0.1	105	0.43
REP TSL 40436	QC		0.4	81.2	8.7	214	<0.1	20.7	18.1	1398	5.37	2.4	0.6	2.5	3.4	28	0.1	0.2	<0.1	101	0.44
TSL 39435	Soil		0.8	24.7	11.4	82	<0.1	12.9	9.0	406	2.81	6.2	0.9	3.2	3.4	21	0.1	0.2	<0.1	51	0.30
REP TSL 39435	QC		0.8	21.9	11.3	81	<0.1	13.5	8.7	423	2.92	6.1	0.9	1.1	3.5	20	<0.1	0.3	0.1	52	0.28
TSL 39440	Soil		0.7	20.7	12.8	62	<0.1	14.4	8.1	288	2.68	5.9	0.7	1.1	3.1	18	<0.1	0.3	0.2	52	0.22
REP TSL 39440	QC		0.9	20.4	12.8	62	<0.1	13.9	8.1	283	2.69	5.9	0.7	3.2	3.1	18	<0.1	0.4	0.2	53	0.21
TSL 40219	Soil		1.1	14.4	18.3	61	<0.1	12.4	5.9	209	3.59	11.6	0.4	1.3	2.0	12	<0.1	0.5	0.2	87	0.10
REP TSL 40219	QC		1.3	13.8	18.6	55	<0.1	11.3	5.7	201	3.51	11.2	0.4	2.9	1.8	11	0.1	0.5	0.2	84	0.11



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

Project: TSL  
Report Date: July 24, 2009

Page: 1 of 3 Part 2

## QUALITY CONTROL REPORT

VAN09002930.1

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																		
TSL 39068	Soil	0.058	12	29	0.50	224	0.078	1	1.50	0.020	0.04	0.2	0.03	3.3	<0.1	<0.05	5	<0.5
REP TSL 39068	QC	0.059	12	30	0.51	233	0.082	2	1.54	0.021	0.04	0.2	0.02	3.1	<0.1	<0.05	5	<0.5
TSL 40170	Soil	0.030	11	23	0.63	260	0.128	2	1.64	0.013	0.18	0.1	<0.01	3.8	<0.1	<0.05	7	<0.5
REP TSL 40170	QC	0.028	11	23	0.62	264	0.121	<1	1.62	0.015	0.19	0.1	0.02	3.9	0.1	<0.05	7	<0.5
TSL 40302	Soil	0.036	10	22	0.62	500	0.109	2	1.48	0.015	0.22	0.2	0.04	4.0	0.1	<0.05	6	<0.5
REP TSL 40302	QC	0.038	10	22	0.61	498	0.107	<1	1.46	0.015	0.22	<0.1	0.04	3.8	0.1	<0.05	6	0.6
TSL 38062	Soil	0.027	3	24	0.78	200	0.167	1	1.80	0.009	0.64	0.1	<0.01	6.8	0.3	<0.05	9	<0.5
REP TSL 38062	QC	0.028	4	25	0.80	217	0.174	<1	1.98	0.009	0.68	0.1	<0.01	7.0	0.2	<0.05	10	<0.5
TSL 40573	Soil	0.083	17	60	1.13	480	0.146	1	1.88	0.013	0.38	0.1	0.01	3.8	0.2	<0.05	7	<0.5
REP TSL 40573	QC	0.091	17	58	1.18	503	0.144	2	1.92	0.015	0.38	0.1	0.02	3.7	0.2	<0.05	7	<0.5
TSL 40343	Soil	0.019	16	31	0.89	276	0.140	2	1.95	0.010	0.35	<0.1	<0.01	3.7	0.2	<0.05	8	<0.5
REP TSL 40343	QC	0.019	15	28	0.82	264	0.134	1	1.90	0.010	0.34	<0.1	<0.01	3.6	0.2	<0.05	7	<0.5
TSL 39450	Soil	0.051	6	21	0.46	169	0.069	2	1.35	0.023	0.07	<0.1	0.03	3.4	<0.1	<0.05	7	<0.5
REP TSL 39450	QC	0.047	6	22	0.49	173	0.068	1	1.40	0.025	0.06	<0.1	0.03	3.7	<0.1	<0.05	6	<0.5
TSL 40341	Soil	0.058	7	302	4.65	1078	0.329	1	4.07	0.015	2.26	<0.1	0.06	22.2	0.9	<0.05	24	0.7
REP TSL 40341	QC	0.057	6	300	4.70	1073	0.329	<1	4.15	0.015	2.34	<0.1	0.05	21.9	0.9	<0.05	23	0.5
TSL 40297	Soil	0.039	11	20	0.41	219	0.102	<1	1.31	0.015	0.10	0.1	0.04	3.1	<0.1	<0.05	6	<0.5
REP TSL 40297	QC	0.039	11	21	0.41	228	0.108	2	1.42	0.016	0.10	0.1	0.04	3.1	0.1	<0.05	6	0.5
TSL 40612	Soil	0.046	4	19	0.73	186	0.174	<1	1.97	0.071	0.29	<0.1	<0.01	6.7	<0.1	<0.05	7	<0.5
REP TSL 40612	QC	0.047	5	20	0.75	200	0.182	<1	2.06	0.075	0.29	<0.1	<0.01	6.9	<0.1	<0.05	8	<0.5
TSL 40436	Soil	0.063	16	17	1.31	430	0.122	<1	2.34	0.014	0.45	<0.1	<0.01	9.1	0.2	<0.05	10	0.6
REP TSL 40436	QC	0.066	15	17	1.18	422	0.116	<1	2.21	0.013	0.43	0.1	0.02	9.0	0.1	<0.05	9	0.6
TSL 39435	Soil	0.039	14	27	0.53	328	0.100	<1	1.60	0.013	0.15	0.2	0.03	4.1	<0.1	<0.05	6	0.7
REP TSL 39435	QC	0.032	13	27	0.49	329	0.095	<1	1.37	0.012	0.14	0.2	0.02	4.1	<0.1	<0.05	5	<0.5
TSL 39440	Soil	0.031	15	23	0.45	452	0.063	2	1.55	0.012	0.08	0.1	0.02	4.3	<0.1	<0.05	5	0.6
REP TSL 39440	QC	0.031	16	25	0.44	466	0.062	2	1.50	0.011	0.08	0.2	0.02	4.5	<0.1	<0.05	5	0.6
TSL 40219	Soil	0.041	8	28	0.37	94	0.116	<1	1.70	0.009	0.06	0.1	0.01	2.4	0.1	<0.05	10	<0.5
REP TSL 40219	QC	0.041	8	26	0.38	95	0.116	<1	1.68	0.008	0.07	0.1	0.01	2.3	0.1	<0.05	10	0.7



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

Project: TSL  
Report Date: July 24, 2009

Page: 2 of 3 Part 1

## QUALITY CONTROL REPORT

VAN09002930.1

		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
TSL 45158	Soil		0.7	143.4	9.7	84	<0.1	13.2	20.6	382	3.52	3.8	0.2	1.5	0.9	10	0.1	0.2	<0.1	95	0.33
REP TSL 45158	QC		0.7	145.1	9.3	83	<0.1	11.8	21.0	365	3.40	3.8	0.3	0.9	0.9	10	0.2	0.2	<0.1	94	0.31
TSL 38351	Soil		0.9	21.6	10.6	90	<0.1	12.6	8.8	330	3.12	4.7	0.5	6.4	2.3	20	<0.1	0.3	0.1	67	0.28
REP TSL 38351	QC		0.7	21.6	10.4	90	<0.1	11.8	8.5	339	3.20	4.7	0.5	3.7	2.0	20	0.1	0.3	0.1	67	0.27
TSL 39428	Soil		2.0	23.8	11.5	97	0.2	9.4	6.1	269	3.30	6.7	0.7	4.1	2.2	35	0.1	0.2	0.2	54	0.17
REP TSL 39428	QC		1.9	23.3	11.4	97	0.2	9.5	6.3	266	3.33	7.0	0.7	4.0	2.2	34	0.2	0.3	0.2	54	0.17
TSL 39490	Soil		1.4	199.8	15.8	1914	0.3	10.7	17.1	631	5.62	8.1	1.3	<0.5	2.2	11	1.7	0.3	0.1	77	0.18
REP TSL 39490	QC		1.3	200.0	16.4	1954	0.3	10.6	17.8	640	5.74	8.2	1.3	1.7	2.2	12	1.6	0.4	0.1	78	0.18
TSL 42170	Soil		0.5	27.3	12.6	173	<0.1	5.4	11.1	488	4.04	3.4	0.3	<0.5	1.0	31	<0.1	0.2	<0.1	28	0.41
REP TSL 42170	QC		0.5	27.5	12.7	173	<0.1	6.2	11.4	499	4.20	4.1	0.3	<0.5	1.0	31	0.1	0.2	<0.1	27	0.43
TSL 45041	Soil		0.7	15.4	12.9	50	<0.1	10.4	4.7	141	2.45	6.5	0.7	3.4	0.5	15	0.1	0.3	0.2	50	0.12
REP TSL 45041	QC		0.7	15.1	13.0	52	<0.1	11.7	4.8	145	2.51	6.6	0.6	1.7	0.5	15	0.1	0.3	0.2	49	0.12
TSL 45057	Soil		0.5	18.2	12.5	221	<0.1	4.1	6.9	541	3.56	2.5	0.2	1.9	0.9	12	0.2	0.2	0.2	27	0.21
REP TSL 45057	QC		0.5	18.4	12.7	235	<0.1	4.2	7.2	563	3.75	2.5	0.2	1.4	0.9	11	0.3	0.1	0.2	28	0.21
TSL 40821	Soil		1.5	39.6	35.9	77	0.7	8.2	3.7	213	3.14	7.8	1.0	9.1	2.6	29	0.3	0.2	0.2	49	0.15
REP TSL 40821	QC		1.4	38.2	36.8	80	0.7	8.0	3.6	211	3.11	7.6	1.1	7.8	2.6	30	0.2	0.2	0.2	50	0.15
Reference Materials																					
STD DS7	Standard		21.3	106.4	67.4	386	0.9	55.1	9.5	658	2.49	48.0	4.7	69.9	4.9	76	5.9	5.7	4.0	89	1.01
STD DS7	Standard		20.6	113.2	70.2	404	0.9	54.7	10.3	652	2.62	50.3	5.0	60.1	4.5	71	5.7	5.8	4.4	86	1.00
STD DS7	Standard		22.0	120.0	71.7	425	0.8	63.7	10.2	674	2.56	51.7	5.0	70.1	5.0	79	6.4	6.4	4.1	92	1.00
STD DS7	Standard		22.3	118.0	76.6	400	0.8	56.1	9.6	664	2.46	51.4	5.3	65.3	5.0	82	6.4	5.9	4.5	91	1.05
STD DS7	Standard		20.1	105.4	68.4	390	0.8	55.7	9.4	627	2.43	48.7	4.7	59.2	4.4	67	6.3	5.6	3.9	86	0.95
STD DS7	Standard		18.9	101.7	65.8	386	0.9	51.7	8.9	595	2.31	53.0	4.7	62.5	4.4	79	6.3	5.8	4.4	77	0.91
STD DS7	Standard		23.5	123.6	70.3	414	0.9	63.8	10.9	679	2.62	52.0	5.2	65.0	4.5	84	6.8	5.5	4.5	89	1.03
STD DS7	Standard		20.2	101.8	70.2	379	0.8	57.2	9.0	622	2.41	44.4	4.6	58.5	4.3	73	5.4	5.4	4.4	85	0.92
STD DS7	Standard		21.6	115.3	65.9	396	0.8	59.6	10.3	645	2.43	51.6	4.7	73.7	4.2	71	6.4	5.8	4.6	83	0.93
STD DS7	Standard		24.6	119.4	75.7	415	0.8	65.7	10.2	695	2.75	52.4	5.4	70.7	5.3	87	6.1	6.4	4.6	95	1.07
STD DS7	Standard		22.5	115.9	73.4	400	0.8	61.6	10.0	649	2.60	48.0	5.5	62.8	4.9	83	5.6	5.8	4.5	85	1.03
STD DS7	Standard		22.9	114.1	68.9	399	0.8	58.4	9.8	663	2.47	51.8	5.0	59.1	4.7	84	6.0	5.9	4.7	85	1.00





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

Project: TSL

Report Date: July 24, 2009

Page: 2 of 3 Part 2

## QUALITY CONTROL REPORT

VAN09002930.1

		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
TSL 45158	Soil	0.022	3	17	1.19	111	0.130	2	2.39	0.038	0.08	<0.1	<0.01	4.5	<0.1	<0.05	6	<0.5
REP TSL 45158	QC	0.022	3	16	1.14	108	0.124	1	2.22	0.037	0.08	<0.1	<0.01	4.3	<0.1	<0.05	5	<0.5
TSL 38351	Soil	0.038	8	23	0.59	163	0.144	2	1.67	0.016	0.12	0.1	0.02	3.6	0.1	<0.05	6	<0.5
REP TSL 38351	QC	0.039	8	24	0.57	172	0.146	<1	1.69	0.016	0.12	<0.1	0.03	3.6	<0.1	<0.05	6	<0.5
TSL 39428	Soil	0.060	9	23	0.38	235	0.069	2	2.03	0.084	0.14	<0.1	0.08	3.7	0.1	0.31	6	<0.5
REP TSL 39428	QC	0.057	8	23	0.37	224	0.065	1	1.89	0.083	0.14	0.1	0.08	3.6	0.1	0.29	6	<0.5
TSL 39490	Soil	0.054	6	17	0.44	207	0.043	1	2.28	0.020	0.11	<0.1	0.02	8.7	0.2	<0.05	9	0.6
REP TSL 39490	QC	0.056	6	18	0.44	216	0.045	2	2.39	0.021	0.11	<0.1	0.02	9.1	0.2	<0.05	9	<0.5
TSL 42170	Soil	0.058	4	10	0.63	271	0.082	<1	1.83	0.018	0.10	<0.1	<0.01	5.1	<0.1	<0.05	8	<0.5
REP TSL 42170	QC	0.059	4	10	0.68	281	0.079	<1	1.88	0.020	0.10	<0.1	<0.01	5.4	0.1	<0.05	8	0.6
TSL 45041	Soil	0.040	9	21	0.30	167	0.048	1	1.63	0.010	0.05	<0.1	0.02	2.6	<0.1	<0.05	6	0.6
REP TSL 45041	QC	0.039	8	22	0.31	168	0.048	<1	1.69	0.011	0.05	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5
TSL 45057	Soil	0.077	3	7	0.45	107	0.074	1	1.51	0.010	0.25	<0.1	<0.01	3.9	<0.1	<0.05	7	<0.5
REP TSL 45057	QC	0.083	3	7	0.47	104	0.076	<1	1.56	0.008	0.25	<0.1	<0.01	3.8	<0.1	<0.05	7	<0.5
TSL 40821	Soil	0.046	11	24	0.32	220	0.069	2	1.77	0.024	0.14	<0.1	0.23	3.7	0.1	0.16	7	<0.5
REP TSL 40821	QC	0.045	11	22	0.33	229	0.072	2	1.81	0.025	0.15	<0.1	0.23	3.9	0.1	0.16	7	1.0
Reference Materials																		
STD DS7	Standard	0.075	15	223	1.09	427	0.144	40	1.09	0.107	0.47	3.8	0.20	2.7	4.1	0.18	5	3.4
STD DS7	Standard	0.078	13	221	1.07	417	0.130	40	1.08	0.109	0.47	4.0	0.20	2.5	4.3	0.20	5	4.4
STD DS7	Standard	0.075	16	243	1.14	417	0.146	43	1.12	0.110	0.48	3.8	0.17	2.5	4.2	0.23	5	4.3
STD DS7	Standard	0.082	15	227	1.07	436	0.129	39	1.13	0.113	0.52	4.0	0.21	2.8	4.5	0.22	5	4.3
STD DS7	Standard	0.072	12	219	1.03	424	0.129	37	1.05	0.101	0.48	4.5	0.15	2.5	4.2	0.20	4	3.8
STD DS7	Standard	0.078	13	194	0.98	392	0.114	41	1.02	0.111	0.47	3.5	0.20	2.3	3.8	0.14	5	3.3
STD DS7	Standard	0.076	15	235	1.04	428	0.132	39	1.05	0.108	0.52	4.0	0.20	2.6	4.2	0.19	6	4.3
STD DS7	Standard	0.074	12	204	1.05	394	0.120	41	1.01	0.085	0.42	3.8	0.18	2.0	4.1	0.26	5	3.8
STD DS7	Standard	0.077	13	210	0.98	420	0.120	35	1.01	0.095	0.46	3.7	0.19	2.6	4.1	0.21	5	3.2
STD DS7	Standard	0.073	15	261	1.11	431	0.154	40	1.15	0.101	0.46	3.9	0.19	2.8	4.6	0.20	5	3.3
STD DS7	Standard	0.073	14	238	1.05	407	0.143	34	1.10	0.099	0.47	4.0	0.19	2.6	4.2	0.20	5	3.4
STD DS7	Standard	0.075	15	216	1.04	412	0.130	39	1.12	0.108	0.49	3.8	0.19	2.6	4.1	0.19	5	3.6



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

Project: TSL

Report Date: July 24, 2009

Page: 3 of 3 Part 1

## QUALITY CONTROL REPORT

VAN09002930.1

		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
STD DS7	Standard		23.0	109.2	77.1	423	0.9	61.3	10.0	688	2.68	52.6	5.4	65.2	4.9	83	6.1	5.8	4.8	89	0.95
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
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
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
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
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
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](http://www.acmelab.com)

Client: **Underworld Resources, Inc.**

1500 - 409 Granville Street

Vancouver BC V6C 1T2 Canada

Project: TSL

Report Date: July 24, 2009

Page: 3 of 3 Part 2

## QUALITY CONTROL REPORT

VAN09002930.1

		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
		%	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
STD DS7	Standard	0.080	14	235	1.08	417	0.138	42	1.11	0.108	0.47	4.3	0.22	2.6	4.8	0.21	5
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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