



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
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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 22, 2009  
Report Date: July 31, 2009  
Page: 1 of 11

## CERTIFICATE OF ANALYSIS

VAN09003108.1

### CLIENT JOB INFORMATION

Project: TSL  
Shipment ID:  
P.O. Number  
Number of Samples: 300

### 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	300	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	300	Dry at 60C			VAN
1DX15	300	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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## CERTIFICATE OF ANALYSIS

VAN09003108.1

	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 43112	Soil			2.9	44.7	29.4	45	0.2	20.4	7.4	141	3.84	0.6	2.8	<0.5	15.8	33	<0.1	0.2	0.6	8
TSL 43113	Soil			0.7	19.3	8.1	61	<0.1	20.4	12.6	430	2.46	2.6	1.0	<0.5	8.7	10	0.2	0.1	0.2	41
TSL 43114	Soil			0.5	30.0	7.6	57	<0.1	30.5	12.8	287	3.26	3.6	1.4	<0.5	13.3	13	<0.1	0.2	0.3	37
TSL 43115	Soil			0.7	28.5	79.2	93	0.1	29.4	11.4	430	3.01	7.1	1.7	<0.5	11.1	14	0.2	0.2	0.4	34
TSL 43116	Soil			0.6	23.0	11.4	66	<0.1	29.4	13.4	336	3.14	5.2	1.1	<0.5	8.4	18	<0.1	0.3	0.2	59
TSL 43117	Soil			0.6	28.8	11.0	80	<0.1	33.0	14.0	325	3.45	4.1	1.2	<0.5	11.7	17	<0.1	0.2	0.2	54
TSL 43118	Soil			0.6	19.1	9.8	58	<0.1	25.3	11.4	311	2.87	6.5	0.9	<0.5	6.4	19	<0.1	0.2	0.2	60
TSL 43119	Soil			0.6	21.2	10.2	63	<0.1	29.3	13.3	344	3.19	6.9	0.9	1.0	6.7	18	<0.1	0.2	0.2	65
TSL 43120	Soil			0.7	25.5	10.6	74	<0.1	34.2	13.9	316	3.36	7.7	1.3	<0.5	9.9	18	<0.1	0.2	0.2	58
TSL 43121	Soil			0.5	27.6	14.7	101	<0.1	34.4	15.2	373	3.48	5.3	1.5	<0.5	15.0	18	0.2	0.2	0.3	51
TSL 43109	Soil			0.4	84.4	7.0	93	<0.1	24.5	20.3	416	4.24	5.4	0.6	0.5	3.0	28	0.1	0.3	<0.1	112
TSL 43110	Soil			0.6	77.1	16.1	130	<0.1	24.3	16.5	479	3.78	4.3	0.5	<0.5	3.6	19	0.2	0.2	<0.1	93
TSL 43111	Soil			0.9	38.9	6.2	50	<0.1	20.9	10.6	227	2.96	8.3	0.5	0.6	2.3	17	<0.1	0.4	0.1	78
TSL 43123	Soil			0.5	21.1	11.5	66	<0.1	24.3	10.6	269	2.94	6.4	1.1	<0.5	8.0	19	0.1	0.2	0.2	48
TSL 43124	Soil			0.5	26.9	12.7	68	<0.1	28.5	12.4	369	3.26	7.1	1.3	0.5	11.6	21	<0.1	0.2	0.2	47
TSL 43125	Soil			0.4	22.7	14.6	76	<0.1	26.9	11.4	374	2.83	9.0	1.2	<0.5	8.9	24	0.1	0.2	0.2	38
TSL 39014	Soil			0.7	36.1	21.7	63	<0.1	22.0	9.2	303	2.59	7.3	1.5	1.5	6.0	39	0.2	0.6	0.2	58
TSL 43609	Soil			0.8	57.9	6.1	84	<0.1	10.9	24.7	722	5.26	10.3	0.4	0.7	1.5	17	0.1	0.3	<0.1	139
TSL 43610	Soil			1.8	45.4	8.5	117	<0.1	10.0	19.3	768	5.50	18.5	0.6	2.5	2.6	16	<0.1	0.3	0.2	124
TSL 43813	Soil			0.5	26.8	16.6	44	<0.1	18.0	9.6	321	2.24	5.6	0.9	4.8	3.0	56	0.2	0.4	0.1	49
TSL 43530	Soil			1.3	23.8	26.6	42	<0.1	16.4	9.1	395	2.77	7.4	0.7	1.2	3.3	25	<0.1	0.4	0.2	59
TSL 43541	Soil			1.2	21.5	10.6	45	<0.1	19.6	10.4	602	2.91	7.4	0.5	5.8	3.2	29	<0.1	0.5	0.2	72
TSL 43542	Soil			1.1	26.6	13.7	48	<0.1	14.0	7.0	228	2.92	6.4	0.6	2.8	4.5	15	<0.1	0.5	0.2	60
TSL 43543	Soil			0.9	15.0	77.8	42	<0.1	15.3	9.6	466	2.53	5.6	0.4	2.2	3.4	27	<0.1	0.4	0.2	55
TSL 43544	Soil			0.8	24.2	19.4	48	<0.1	23.5	10.0	393	2.85	8.6	0.6	<0.5	4.0	22	<0.1	0.5	0.1	65
TSL 43545	Soil			0.9	26.4	36.9	49	<0.1	19.6	12.7	687	2.92	7.7	0.8	1.4	4.8	34	0.1	0.6	0.2	67
TSL 43546	Soil			0.7	34.0	34.7	50	<0.1	18.2	10.5	397	2.96	6.0	2.3	0.9	8.3	22	<0.1	0.4	0.2	65
TSL 43547	Soil			0.6	33.2	34.7	52	<0.1	18.0	10.4	366	2.96	6.6	2.2	1.0	8.1	22	<0.1	0.4	0.1	63
TSL 43550	Soil			0.7	19.6	49.5	45	<0.1	15.8	6.8	286	2.37	4.8	1.0	1.6	4.6	23	<0.1	0.3	0.2	48
TSL 43551	Soil			0.6	21.2	25.5	52	<0.1	13.9	7.0	270	2.31	4.5	0.9	1.1	5.8	24	<0.1	0.3	0.1	49



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**Project:** TSL  
**Report Date:** July 31, 2009

**Page:** 2 of 11 **Part** 2

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VAN09003108.1

	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 43112	Soil	0.058	26	7	0.04	153	0.001	<1	0.36	0.013	0.09	<0.1	<0.01	3.3	0.1	0.12	1	2.3
TSL 43113	Soil	0.066	24	29	0.60	130	0.078	<1	1.35	0.009	0.24	<0.1	<0.01	2.3	0.1	<0.05	7	<0.5
TSL 43114	Soil	0.055	35	28	0.54	133	0.074	1	1.36	0.009	0.32	0.1	<0.01	3.3	0.3	<0.05	5	0.6
TSL 43115	Soil	0.059	35	21	0.27	115	0.026	1	1.01	0.008	0.08	<0.1	0.02	2.4	0.1	<0.05	4	0.5
TSL 43116	Soil	0.056	26	41	0.72	139	0.089	1	1.80	0.009	0.13	0.1	<0.01	3.1	0.1	<0.05	6	<0.5
TSL 43117	Soil	0.065	41	47	0.91	153	0.111	<1	1.97	0.010	0.27	0.1	<0.01	3.5	0.2	<0.05	8	0.6
TSL 43118	Soil	0.039	15	42	0.68	160	0.101	<1	1.88	0.010	0.11	<0.1	0.02	3.4	0.1	<0.05	6	<0.5
TSL 43119	Soil	0.042	15	46	0.80	160	0.121	2	2.13	0.010	0.14	<0.1	<0.01	3.8	0.1	<0.05	7	<0.5
TSL 43120	Soil	0.069	32	46	0.70	171	0.086	1	1.79	0.009	0.11	<0.1	<0.01	4.4	0.2	<0.05	6	0.7
TSL 43121	Soil	0.058	41	42	0.79	151	0.106	<1	1.79	0.010	0.24	<0.1	<0.01	4.3	0.2	<0.05	6	0.6
TSL 43109	Soil	0.047	14	37	1.08	356	0.168	<1	2.02	0.018	0.47	<0.1	<0.01	5.4	0.2	<0.05	7	<0.5
TSL 43110	Soil	0.041	11	57	1.31	289	0.158	<1	2.48	0.012	0.58	<0.1	<0.01	4.8	0.3	<0.05	8	<0.5
TSL 43111	Soil	0.021	8	37	0.57	203	0.109	<1	1.86	0.013	0.08	0.1	0.02	3.1	<0.1	<0.05	6	<0.5
TSL 43123	Soil	0.048	24	31	0.54	174	0.067	<1	1.64	0.012	0.07	0.1	0.02	3.1	0.1	<0.05	6	0.6
TSL 43124	Soil	0.063	33	31	0.48	168	0.065	<1	1.50	0.010	0.13	<0.1	<0.01	3.9	0.2	<0.05	5	0.6
TSL 43125	Soil	0.052	38	28	0.43	176	0.043	<1	1.23	0.011	0.12	<0.1	0.02	3.7	0.2	<0.05	5	<0.5
TSL 39014	Soil	0.047	22	29	0.49	399	0.076	<1	1.53	0.022	0.06	0.1	0.04	4.9	<0.1	<0.05	6	1.0
TSL 43609	Soil	0.040	5	15	0.92	223	0.093	<1	1.95	0.024	0.14	<0.1	0.01	6.4	<0.1	<0.05	9	<0.5
TSL 43610	Soil	0.046	9	12	0.81	501	0.043	<1	1.87	0.025	0.17	<0.1	0.01	10.7	<0.1	<0.05	8	0.6
TSL 43813	Soil	0.048	11	34	0.56	239	0.074	1	1.33	0.020	0.04	0.1	0.03	4.3	<0.1	<0.05	5	<0.5
TSL 43530	Soil	0.026	13	28	0.38	231	0.067	<1	1.65	0.010	0.07	<0.1	0.02	3.1	<0.1	<0.05	6	<0.5
TSL 43541	Soil	0.025	11	35	0.42	390	0.071	<1	1.69	0.012	0.08	0.1	<0.01	3.3	<0.1	<0.05	7	<0.5
TSL 43542	Soil	0.019	8	25	0.37	244	0.052	<1	1.83	0.009	0.08	<0.1	<0.01	3.4	<0.1	<0.05	7	<0.5
TSL 43543	Soil	0.026	9	25	0.40	490	0.045	<1	1.66	0.010	0.07	<0.1	0.01	2.8	<0.1	<0.05	6	<0.5
TSL 43544	Soil	0.019	9	35	0.54	306	0.084	<1	1.92	0.013	0.08	0.1	0.01	3.8	<0.1	<0.05	6	0.5
TSL 43545	Soil	0.022	21	32	0.50	538	0.068	2	1.63	0.015	0.09	<0.1	0.02	4.8	<0.1	<0.05	6	0.5
TSL 43546	Soil	0.021	37	32	0.60	312	0.089	<1	1.64	0.012	0.10	<0.1	0.02	6.0	0.1	<0.05	6	1.1
TSL 43547	Soil	0.021	36	32	0.60	315	0.084	<1	1.63	0.013	0.10	0.1	0.02	5.9	<0.1	<0.05	6	0.8
TSL 43550	Soil	0.025	21	25	0.36	349	0.056	<1	1.32	0.012	0.08	<0.1	0.02	3.6	<0.1	<0.05	5	0.6
TSL 43551	Soil	0.020	19	26	0.43	286	0.083	<1	1.31	0.016	0.07	0.1	0.01	3.8	<0.1	<0.05	5	0.6



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	Method Analyte	Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	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 43552	Soil		0.7	26.6	17.1	60	<0.1	19.5	9.6	305	2.56	8.7	1.2	6.1	4.4	41	0.1	0.5	0.2	56	0.62	
TSL 43553	Soil		0.6	37.9	25.0	58	<0.1	24.8	11.9	392	2.74	7.4	2.8	9.0	5.7	47	0.2	0.6	0.2	61	0.81	
TSL 43841	Soil		0.8	18.9	9.7	64	<0.1	13.7	6.5	213	2.49	7.3	1.4	1.5	5.9	25	0.1	0.3	0.2	51	0.28	
TSL 43842	Soil		0.8	17.3	9.8	49	<0.1	12.6	7.5	272	2.38	5.2	1.2	0.6	6.4	32	0.1	0.4	0.1	47	0.41	
TSL 43844	Soil		0.7	16.6	20.7	43	<0.1	12.0	7.0	236	2.26	5.0	0.8	<0.5	5.4	22	<0.1	0.3	0.1	51	0.27	
TSL 43845	Soil		1.0	18.9	16.3	46	<0.1	13.9	7.9	387	2.80	6.0	1.2	<0.5	5.1	22	<0.1	0.4	0.2	59	0.27	
TSL 43846	Soil		1.2	26.5	16.1	53	<0.1	17.6	10.3	395	3.18	8.0	1.7	<0.5	6.9	30	0.1	0.4	0.3	65	0.35	
TSL 43847	Soil		0.9	18.7	9.3	45	<0.1	13.4	10.4	544	2.71	6.4	1.1	<0.5	5.3	26	<0.1	0.4	0.2	52	0.30	
TSL 43849	Soil		1.0	21.1	10.4	52	<0.1	14.2	8.8	323	2.94	8.2	1.2	3.2	6.0	25	0.1	0.4	0.2	62	0.29	
TSL 43850	Soil		1.0	20.8	9.9	53	<0.1	16.2	9.4	342	2.97	8.5	1.1	3.8	6.6	25	<0.1	0.4	0.2	60	0.28	
TSL 43851	Soil		0.9	17.8	11.2	49	<0.1	13.0	6.8	273	2.50	6.8	1.0	<0.5	4.9	24	0.1	0.3	0.2	52	0.27	
TSL 43852	Soil		0.8	25.1	11.5	52	<0.1	15.8	8.6	397	2.63	6.2	1.4	1.8	6.3	31	0.1	0.4	0.2	52	0.40	
TSL 43854	Soil		1.1	21.3	21.7	54	<0.1	15.1	7.7	292	2.86	6.7	1.4	6.4	5.7	31	<0.1	0.4	0.2	59	0.38	
TSL 43855	Soil		0.9	17.7	11.4	61	<0.1	14.1	8.6	339	2.86	6.4	0.9	1.0	4.2	31	<0.1	0.3	0.2	55	0.33	
TSL 43856	Soil		0.7	20.2	10.0	73	<0.1	13.2	7.2	298	2.70	9.1	0.7	<0.5	3.3	30	0.1	0.3	0.2	54	0.30	
TSL 43331	Soil		7.1	542.9	3.5	50	<0.1	9.3	17.1	279	5.21	3.2	0.9	2.4	2.2	14	0.1	0.2	1.0	185	0.15	
TSL 43332	Soil		7.3	549.7	3.7	51	<0.1	10.3	17.7	310	5.35	3.6	0.8	2.6	2.1	15	0.1	0.2	1.0	183	0.15	
TSL 43333	Soil		2.8	86.9	6.0	98	<0.1	11.7	8.6	330	5.85	4.4	0.9	1.2	2.6	53	0.1	0.2	0.3	85	0.26	
TSL 43345	Soil		1.3	42.9	8.6	54	<0.1	26.9	13.4	479	4.26	5.5	0.7	1.0	3.3	19	<0.1	0.2	<0.1	100	0.34	
TSL 43346	Soil		2.9	18.3	32.9	69	<0.1	16.4	14.3	654	3.59	7.0	0.5	1.6	2.8	15	0.1	0.5	0.3	94	0.20	
TSL 43347	Soil		0.8	34.7	7.2	79	0.1	46.3	20.7	592	3.27	4.1	0.3	<0.5	1.3	25	<0.1	0.3	<0.1	86	0.44	
TSL 43348	Soil		0.4	97.3	1.8	45	<0.1	5.6	19.5	528	4.49	2.7	0.4	0.9	1.8	43	<0.1	0.1	<0.1	97	1.52	
TSL 43349	Soil		0.9	199.5	33.5	169	0.3	13.0	24.4	737	5.40	2.4	0.4	33.9	1.3	16	0.2	0.1	0.4	151	0.49	
TSL 43350	Soil		0.9	204.3	35.9	173	0.3	15.1	24.6	762	5.51	2.4	0.4	28.8	1.5	17	0.2	0.1	0.4	151	0.47	
TSL 43351	Soil		1.8	57.7	30.9	139	<0.1	36.0	11.9	331	4.20	22.1	1.6	8.4	8.8	25	0.1	0.4	0.2	54	0.30	
TSL 43352	Soil		1.5	41.8	33.3	103	<0.1	10.5	8.4	517	4.58	5.3	0.7	9.6	3.1	15	0.1	0.5	0.2	51	0.18	
TSL 43353	Soil		0.7	39.5	8.2	84	<0.1	13.4	11.9	403	4.54	3.4	0.6	4.9	6.3	14	<0.1	0.2	0.1	88	0.29	
TSL 43354	Soil		0.8	31.1	8.6	59	<0.1	23.3	8.5	348	2.55	9.3	0.7	3.9	3.5	40	0.1	0.6	0.2	57	0.50	
TSL 43355	Soil		1.0	28.3	11.5	54	<0.1	16.5	9.2	271	2.77	12.7	0.8	3.6	4.4	25	<0.1	0.4	0.1	56	0.32	
TSL 43356	Soil		0.9	48.8	13.3	63	<0.1	22.6	10.7	345	3.09	14.1	1.1	3.6	5.4	31	<0.1	0.6	0.2	63	0.48	



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Ti ppm	S %	Ga ppm	Se 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 43552	Soil	0.086	19	28	0.55	326	0.083	2	1.25	0.027	0.08	0.2	0.03	4.0	<0.1	<0.05	4	0.6
TSL 43553	Soil	0.078	24	30	0.53	338	0.092	2	1.46	0.029	0.06	0.2	0.04	4.6	<0.1	<0.05	5	1.0
TSL 43841	Soil	0.036	20	26	0.44	205	0.089	<1	1.79	0.015	0.08	0.1	0.02	3.6	<0.1	<0.05	6	0.6
TSL 43842	Soil	0.030	23	23	0.43	237	0.098	2	1.44	0.021	0.11	0.1	0.02	3.8	<0.1	<0.05	5	0.6
TSL 43844	Soil	0.024	20	25	0.47	179	0.102	1	1.36	0.012	0.10	0.1	0.02	3.2	<0.1	<0.05	5	<0.5
TSL 43845	Soil	0.022	25	27	0.47	236	0.106	<1	1.62	0.013	0.13	0.1	0.01	4.0	0.1	<0.05	7	0.6
TSL 43846	Soil	0.028	27	33	0.52	323	0.108	1	2.04	0.015	0.12	0.1	0.02	5.1	<0.1	<0.05	7	0.9
TSL 43847	Soil	0.029	24	26	0.48	299	0.098	1	1.79	0.015	0.15	0.2	0.02	4.0	0.1	<0.05	7	0.7
TSL 43849	Soil	0.025	29	30	0.50	312	0.109	1	1.87	0.015	0.11	0.2	0.02	5.0	0.1	<0.05	7	0.7
TSL 43850	Soil	0.025	24	30	0.55	318	0.111	<1	1.81	0.014	0.11	0.1	0.01	5.1	0.1	<0.05	7	0.7
TSL 43851	Soil	0.025	19	24	0.48	267	0.117	<1	1.53	0.015	0.14	0.1	<0.01	3.6	0.1	<0.05	6	<0.5
TSL 43852	Soil	0.032	32	29	0.50	321	0.111	<1	1.59	0.015	0.10	0.1	0.02	4.9	0.1	<0.05	6	1.0
TSL 43854	Soil	0.028	26	28	0.56	342	0.114	<1	1.67	0.016	0.13	0.2	0.02	4.8	0.1	<0.05	7	1.0
TSL 43855	Soil	0.038	14	26	0.58	291	0.113	<1	1.63	0.016	0.14	0.1	0.02	3.8	<0.1	<0.05	6	0.8
TSL 43856	Soil	0.037	13	22	0.56	245	0.104	2	1.41	0.015	0.12	0.1	<0.01	3.6	<0.1	<0.05	6	0.7
TSL 43331	Soil	0.028	6	16	2.08	426	0.145	<1	3.67	0.017	0.64	<0.1	<0.01	14.7	0.2	<0.05	11	4.6
TSL 43332	Soil	0.027	7	17	1.97	441	0.150	<1	3.67	0.017	0.65	<0.1	<0.01	15.2	0.2	<0.05	11	3.6
TSL 43333	Soil	0.073	12	14	1.64	309	0.145	<1	3.12	0.128	0.41	<0.1	<0.01	7.4	0.1	0.68	11	1.5
TSL 43345	Soil	0.049	15	63	0.85	398	0.064	2	1.89	0.015	0.31	<0.1	0.02	11.4	0.3	<0.05	8	0.8
TSL 43346	Soil	0.055	10	29	0.45	351	0.069	1	1.67	0.012	0.11	<0.1	0.01	3.8	0.2	<0.05	7	<0.5
TSL 43347	Soil	0.037	5	111	1.49	264	0.149	<1	2.28	0.025	0.29	<0.1	<0.01	3.6	0.1	<0.05	7	<0.5
TSL 43348	Soil	0.474	7	7	1.19	136	0.074	<1	2.12	0.091	0.22	<0.1	<0.01	9.1	<0.1	<0.05	6	1.0
TSL 43349	Soil	0.093	8	18	1.77	357	0.125	<1	2.41	0.040	0.73	<0.1	0.02	13.7	0.2	<0.05	10	0.9
TSL 43350	Soil	0.089	8	20	1.83	360	0.125	<1	2.56	0.040	0.69	<0.1	0.02	13.3	0.2	<0.05	10	<0.5
TSL 43351	Soil	0.043	28	30	0.44	603	0.033	2	1.36	0.013	0.17	<0.1	0.15	7.1	0.2	<0.05	5	0.6
TSL 43352	Soil	0.033	9	18	0.43	273	0.078	<1	1.58	0.012	0.31	0.1	0.03	8.8	0.2	<0.05	7	<0.5
TSL 43353	Soil	0.038	28	15	0.66	336	0.097	1	1.64	0.020	0.40	<0.1	0.06	10.3	0.3	<0.05	8	0.5
TSL 43354	Soil	0.063	14	29	0.55	289	0.089	<1	1.46	0.038	0.06	0.2	0.03	4.8	<0.1	<0.05	4	0.8
TSL 43355	Soil	0.035	16	28	0.44	490	0.076	<1	1.54	0.017	0.08	0.1	0.03	5.4	<0.1	<0.05	5	0.6
TSL 43356	Soil	0.040	20	31	0.49	499	0.079	<1	1.65	0.020	0.08	<0.1	0.04	6.8	<0.1	<0.05	5	0.7



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	Method Analyte Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
TSL 43357	Soil		0.9	47.8	12.8	62	0.1	28.9	11.2	432	3.04	13.5	1.4	3.0	4.7	40	0.1	0.6	0.2	61	0.63
TSL 43358	Soil		0.9	48.9	11.5	70	<0.1	27.4	11.3	478	3.03	14.5	1.3	6.0	5.1	42	0.2	0.5	0.2	64	0.81
TSL 43359	Soil		0.9	41.9	9.9	60	<0.1	23.4	12.5	492	3.07	13.8	1.1	6.8	2.9	51	0.1	0.4	0.1	65	0.99
TSL 43256	Soil		0.8	18.8	11.5	62	<0.1	21.4	10.6	267	2.83	6.1	0.8	1.2	5.0	18	0.1	0.3	0.2	50	0.22
TSL 43258	Soil		0.7	24.2	12.6	82	<0.1	27.2	13.7	304	3.35	13.8	1.7	1.0	9.1	29	0.2	0.3	0.2	52	0.64
TSL 43260	Soil		0.9	18.5	15.8	83	<0.1	21.3	16.2	745	3.14	12.7	1.0	1.3	5.6	27	0.1	0.3	0.2	60	0.48
TSL 43261	Soil		0.5	54.3	9.7	85	0.1	22.0	13.2	260	3.03	8.9	1.4	3.0	3.6	148	0.3	0.5	0.2	75	0.81
TSL 43272	Soil		0.9	32.8	13.8	67	0.2	35.8	16.4	707	3.21	31.8	1.8	<0.5	6.2	37	0.2	0.4	0.2	39	0.66
TSL 43273	Soil		1.5	18.8	12.7	52	<0.1	17.6	7.8	213	2.88	9.8	1.0	1.8	4.3	19	0.1	0.3	0.3	63	0.17
TSL 43274	Soil		1.4	40.8	14.9	139	<0.1	32.0	14.0	267	4.03	2.1	1.9	<0.5	13.1	11	0.1	0.1	0.4	54	0.18
TSL 43285	Soil		0.9	29.7	7.0	71	<0.1	13.2	13.0	298	3.58	5.9	0.6	<0.5	2.6	20	<0.1	0.3	0.1	84	0.24
TSL 43286	Soil		1.1	43.4	6.4	71	<0.1	14.1	13.0	299	3.48	6.1	0.6	2.2	2.4	27	0.2	0.2	0.1	84	0.37
TSL 43287	Soil		0.3	85.2	3.8	74	<0.1	17.3	19.4	443	4.49	2.5	0.4	<0.5	1.5	24	<0.1	0.1	<0.1	169	0.44
TSL 43288	Soil		0.9	39.1	6.7	48	<0.1	22.4	13.4	270	3.32	7.5	0.4	3.0	2.2	20	<0.1	0.3	0.2	94	0.23
TSL 43289	Soil		0.6	45.7	4.1	63	<0.1	12.9	18.8	300	4.53	7.0	0.5	1.7	1.6	16	<0.1	0.2	<0.1	145	0.34
TSL 43290	Soil		0.6	62.1	5.5	39	<0.1	30.9	12.0	205	2.44	13.4	0.5	2.0	1.8	20	<0.1	0.3	0.1	60	0.32
TSL 43291	Soil		0.9	70.4	8.0	90	0.2	19.3	13.2	332	3.41	7.4	0.8	2.7	2.6	20	0.1	0.2	0.1	89	0.30
TSL 43292	Soil		0.7	59.6	5.6	63	<0.1	18.8	14.4	366	3.25	5.8	0.9	4.0	3.2	25	<0.1	0.3	<0.1	86	0.34
TSL 43293	Soil		0.9	54.3	7.6	68	<0.1	20.4	14.1	285	3.57	13.0	0.7	1.9	2.9	21	0.2	0.3	0.1	101	0.29
TSL 43294	Soil		0.4	59.6	3.3	25	<0.1	19.6	9.8	192	1.72	5.0	0.2	0.5	1.0	16	<0.1	0.2	<0.1	50	0.33
TSL 43295	Soil		0.3	86.8	3.7	63	<0.1	35.4	21.5	490	4.04	2.2	0.4	0.5	1.6	16	<0.1	0.1	<0.1	133	0.42
TSL 43296	Soil		0.5	85.4	4.5	65	<0.1	48.0	22.7	483	4.09	3.3	0.4	2.5	2.1	21	<0.1	0.1	<0.1	120	0.46
TSL 43297	Soil		0.5	46.1	3.7	65	<0.1	11.3	21.2	307	4.32	5.3	0.2	0.9	0.9	30	<0.1	0.2	<0.1	136	0.47
TSL 43298	Soil		0.8	91.1	4.8	61	<0.1	21.0	20.2	289	4.54	7.9	0.2	2.8	1.0	14	<0.1	0.2	<0.1	129	0.28
TSL 43299	Soil		0.7	69.1	6.9	43	0.1	29.6	13.1	224	2.60	11.9	0.8	4.7	2.2	24	<0.1	0.3	0.1	66	0.35
TSL 43300	Soil		0.7	93.0	5.2	85	<0.1	28.2	20.6	492	4.03	5.5	0.8	1.8	2.3	23	<0.1	0.2	<0.1	102	0.40
TSL 43301	Soil		0.6	61.5	6.3	69	<0.1	21.3	17.2	296	3.68	6.4	0.6	1.5	2.1	28	<0.1	0.3	<0.1	103	0.37
TSL 43302	Soil		2.5	37.7	16.5	89	<0.1	16.5	10.8	442	3.19	12.9	1.1	6.3	3.7	26	0.2	0.4	0.1	67	0.31
TSL 43303	Soil		0.9	47.2	14.9	83	0.1	21.7	13.5	434	3.45	17.7	1.3	3.4	2.8	31	0.1	0.4	0.2	73	0.35
TSL 43304	Soil		0.6	43.3	9.8	74	<0.1	18.9	12.3	260	3.14	7.0	0.7	2.5	3.3	19	<0.1	0.4	0.1	74	0.26



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
TSL 43357	Soil	0.039	20	32	0.52	487	0.087	2	1.69	0.029	0.08	0.2	0.05	6.2	<0.1	<0.05	5	0.8
TSL 43358	Soil	0.053	23	35	0.51	429	0.069	3	1.71	0.024	0.09	0.1	0.04	6.1	<0.1	<0.05	5	0.8
TSL 43359	Soil	0.049	15	45	0.63	376	0.076	1	1.59	0.027	0.08	0.1	0.04	5.7	<0.1	<0.05	5	0.8
TSL 43256	Soil	0.043	17	28	0.47	113	0.076	<1	1.43	0.014	0.08	0.1	0.01	2.4	0.1	<0.05	5	<0.5
TSL 43258	Soil	0.066	31	33	0.62	169	0.090	1	1.59	0.016	0.16	0.1	0.02	4.1	0.2	<0.05	5	<0.5
TSL 43260	Soil	0.060	21	30	0.59	136	0.083	2	1.55	0.018	0.11	0.1	0.03	3.9	0.2	<0.05	6	<0.5
TSL 43261	Soil	0.060	16	27	0.77	238	0.113	3	1.52	0.040	0.17	0.1	0.03	6.1	0.1	<0.05	5	1.0
TSL 43272	Soil	0.049	27	39	0.35	365	0.008	2	1.21	0.013	0.07	<0.1	0.02	4.7	0.1	<0.05	3	0.8
TSL 43273	Soil	0.024	19	31	0.44	131	0.057	<1	1.69	0.010	0.07	<0.1	0.02	2.5	0.1	<0.05	7	<0.5
TSL 43274	Soil	0.050	41	41	0.96	134	0.117	<1	2.06	0.009	0.32	<0.1	<0.01	3.9	0.2	<0.05	8	0.7
TSL 43285	Soil	0.040	8	24	0.87	274	0.168	1	2.12	0.014	0.14	<0.1	0.01	3.9	0.1	<0.05	7	<0.5
TSL 43286	Soil	0.042	9	27	0.86	344	0.164	<1	2.00	0.020	0.20	<0.1	0.01	4.3	<0.1	<0.05	7	<0.5
TSL 43287	Soil	0.098	6	21	1.57	459	0.273	<1	2.26	0.022	0.91	<0.1	<0.01	4.6	0.2	<0.05	9	<0.5
TSL 43288	Soil	0.028	8	57	0.81	250	0.142	<1	1.84	0.015	0.19	0.1	0.01	2.9	<0.1	<0.05	6	<0.5
TSL 43289	Soil	0.035	7	17	0.87	193	0.162	<1	1.87	0.018	0.30	<0.1	<0.01	5.1	0.1	<0.05	7	<0.5
TSL 43290	Soil	0.021	7	55	0.55	172	0.088	<1	1.48	0.015	0.06	0.1	0.02	3.2	<0.1	<0.05	4	<0.5
TSL 43291	Soil	0.035	10	38	0.93	266	0.171	<1	1.99	0.014	0.31	0.1	0.03	4.2	0.2	<0.05	7	<0.5
TSL 43292	Soil	0.020	15	31	0.85	273	0.161	<1	1.81	0.021	0.23	<0.1	0.01	5.5	0.1	<0.05	6	<0.5
TSL 43293	Soil	0.032	11	42	0.81	314	0.168	<1	2.05	0.017	0.25	0.1	0.02	4.8	0.2	<0.05	7	<0.5
TSL 43294	Soil	0.032	3	48	0.64	95	0.097	<1	1.13	0.018	0.07	<0.1	<0.01	2.6	<0.1	<0.05	3	<0.5
TSL 43295	Soil	0.088	7	108	1.77	745	0.288	<1	2.31	0.016	1.04	<0.1	<0.01	4.1	0.3	<0.05	9	<0.5
TSL 43296	Soil	0.062	7	132	1.87	406	0.249	<1	2.43	0.018	0.82	<0.1	<0.01	4.9	0.3	<0.05	9	<0.5
TSL 43297	Soil	0.073	3	12	0.88	161	0.194	<1	1.93	0.034	0.37	<0.1	<0.01	3.6	<0.1	<0.05	7	<0.5
TSL 43298	Soil	0.029	3	45	1.03	192	0.168	<1	2.04	0.023	0.36	<0.1	<0.01	5.2	0.1	<0.05	7	<0.5
TSL 43299	Soil	0.022	8	66	0.58	188	0.099	<1	1.60	0.016	0.06	<0.1	0.02	4.0	<0.1	<0.05	5	<0.5
TSL 43300	Soil	0.042	8	92	1.31	411	0.208	<1	2.24	0.019	0.66	<0.1	0.02	5.4	0.3	<0.05	8	<0.5
TSL 43301	Soil	0.026	9	30	0.91	295	0.179	<1	2.09	0.020	0.21	0.1	0.01	5.1	0.2	<0.05	7	<0.5
TSL 43302	Soil	0.043	16	28	0.58	291	0.110	2	1.56	0.022	0.12	0.1	0.04	7.0	0.2	<0.05	5	0.5
TSL 43303	Soil	0.053	17	31	0.60	351	0.094	<1	2.02	0.024	0.12	0.1	0.06	7.0	0.1	<0.05	7	0.5
TSL 43304	Soil	0.035	12	32	0.79	224	0.140	<1	1.96	0.016	0.18	0.1	0.02	4.2	0.2	<0.05	6	<0.5



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Project: TSL  
Report Date: July 31, 2009

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## CERTIFICATE OF ANALYSIS

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	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 39016	Soil		0.7	33.3	28.3	63	<0.1	22.5	11.7	401	2.87	9.0	1.0	2.5	5.1	40	0.2	0.6	0.2	61	0.64
TSL 43814	Soil		0.9	41.5	6.0	40	<0.1	21.1	5.5	646	0.83	2.3	1.6	2.8	0.4	135	1.2	0.6	0.1	16	2.20
TSL 43969	Soil		1.3	15.7	18.6	58	<0.1	13.5	9.0	321	3.12	4.9	1.1	2.6	7.5	23	<0.1	0.3	0.2	56	0.27
TSL 43970	Soil		2.6	38.7	13.7	65	<0.1	17.4	14.8	504	3.71	4.2	2.0	5.5	7.8	36	0.1	0.6	0.2	74	0.52
TSL 43971	Soil		1.0	21.8	19.4	58	0.1	15.0	9.0	303	3.36	5.9	1.4	4.5	7.8	22	0.1	0.3	0.2	61	0.22
TSL 43972	Soil		1.3	12.6	9.3	38	<0.1	9.3	5.6	225	2.40	5.6	1.0	7.5	3.9	17	<0.1	0.4	0.2	50	0.17
TSL 43973	Soil		0.9	22.7	10.8	53	<0.1	22.6	10.3	242	3.38	11.0	0.8	5.1	4.5	21	<0.1	0.5	0.2	80	0.21
TSL 43974	Soil		1.1	18.4	31.9	48	<0.1	21.4	9.1	219	3.20	10.9	0.9	3.7	4.4	16	0.1	0.5	0.2	73	0.14
TSL 43975	Soil		1.1	22.5	10.0	45	<0.1	13.8	7.0	286	3.18	7.6	1.1	1.9	12.4	18	<0.1	0.5	0.2	55	0.16
TSL 43976	Soil		0.8	15.5	14.5	46	<0.1	10.5	8.4	302	3.22	4.4	1.0	<0.5	8.0	13	<0.1	0.3	<0.1	36	0.11
TSL 43977	Soil		1.4	24.3	11.4	50	<0.1	20.2	9.5	273	3.40	10.7	1.2	5.0	7.3	16	<0.1	0.6	0.2	68	0.14
TSL 43978	Soil		0.8	35.9	7.3	58	<0.1	13.4	8.7	318	2.78	4.6	0.8	<0.5	5.1	24	<0.1	0.2	0.1	48	0.24
TSL 43979	Soil		0.6	31.1	8.0	55	<0.1	16.2	8.3	408	3.00	4.7	1.1	2.2	5.5	26	<0.1	0.3	<0.1	50	0.32
TSL 43980	Soil		0.7	22.7	10.9	46	<0.1	15.2	8.1	286	2.81	5.3	0.9	<0.5	4.5	21	<0.1	0.3	0.1	57	0.28
TSL 43981	Soil		0.8	19.3	4.8	43	<0.1	11.6	8.7	262	3.56	4.9	0.8	0.8	7.7	11	<0.1	0.2	<0.1	47	0.13
TSL 43982	Soil		1.3	79.2	8.2	38	<0.1	21.5	16.5	247	3.65	3.5	0.9	0.9	6.4	16	<0.1	0.2	0.1	73	0.35
TSL 43983	Soil		1.4	11.0	3.6	37	<0.1	5.9	6.5	399	3.67	2.9	1.6	<0.5	9.6	8	<0.1	0.2	<0.1	28	0.06
TSL 43984	Soil		0.6	10.0	9.1	48	<0.1	6.6	7.9	369	3.38	3.8	1.0	<0.5	8.3	12	<0.1	0.2	0.2	40	0.12
TSL 43985	Soil		1.0	13.5	13.9	49	<0.1	15.8	9.6	530	3.02	7.1	0.6	1.2	5.9	17	<0.1	0.4	0.3	54	0.16
TSL 43986	Soil		1.3	15.5	9.1	54	<0.1	14.6	10.3	471	3.41	7.6	1.3	<0.5	9.6	20	<0.1	0.4	0.1	49	0.20
TSL 43987	Soil		2.1	8.2	15.3	47	<0.1	9.6	9.8	360	4.09	5.0	1.1	0.9	3.8	20	<0.1	0.3	0.3	63	0.20
TSL 43988	Soil		1.7	18.8	10.6	55	<0.1	14.5	8.2	285	3.47	7.8	1.1	3.7	8.1	17	<0.1	0.5	0.2	51	0.16
TSL 43989	Soil		1.1	19.6	6.5	50	<0.1	15.0	8.6	304	3.24	7.3	0.9	3.1	8.1	15	<0.1	0.5	0.2	54	0.16
TSL 43990	Soil		1.1	16.5	9.3	45	<0.1	14.6	7.8	428	2.51	5.9	0.7	5.5	3.7	31	<0.1	0.3	0.2	51	0.38
TSL 43991	Soil		0.9	32.3	9.1	58	<0.1	20.4	10.4	268	3.02	5.6	0.9	3.7	3.8	27	0.1	0.4	0.1	63	0.34
TSL 43992	Soil		0.7	16.6	8.9	48	<0.1	14.4	7.3	262	2.54	5.8	1.0	5.0	4.9	25	<0.1	0.4	0.1	50	0.34
TSL 43993	Soil		1.3	27.7	12.0	41	<0.1	13.8	10.0	352	2.50	6.1	1.9	1.0	5.8	31	0.1	0.4	0.2	52	0.34
TSL 43994	Soil		0.8	26.6	13.4	50	<0.1	16.8	7.7	216	2.58	6.1	1.2	7.2	4.9	33	<0.1	0.4	0.2	52	0.36
TSL 43995	Soil		0.9	24.5	11.3	42	<0.1	15.2	9.0	304	2.36	5.7	1.1	3.0	4.7	27	<0.1	0.4	0.1	50	0.34
TSL 43996	Soil		0.9	20.5	8.1	38	<0.1	13.0	7.6	214	2.01	5.0	0.8	4.8	3.4	25	<0.1	0.3	0.1	47	0.35





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## CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
TSL 39016	Soil	0.055	19	32	0.58	342	0.098	1	1.74	0.036	0.07	0.1	0.03	5.0	<0.1	<0.05	6	0.6
TSL 43814	Soil	0.102	17	11	0.37	319	0.016	6	0.44	0.029	0.04	<0.1	0.08	1.2	<0.1	0.11	1	1.3
TSL 43969	Soil	0.043	27	27	0.69	242	0.137	1	1.90	0.014	0.17	0.1	0.02	5.0	0.1	<0.05	7	0.7
TSL 43970	Soil	0.075	39	35	0.81	327	0.121	2	1.93	0.017	0.26	0.1	0.03	8.9	0.2	<0.05	7	1.1
TSL 43971	Soil	0.034	32	31	0.48	260	0.123	<1	2.21	0.012	0.11	0.1	0.01	5.7	0.1	<0.05	9	<0.5
TSL 43972	Soil	0.028	16	17	0.35	183	0.094	1	1.56	0.009	0.10	<0.1	0.01	3.6	0.1	<0.05	8	<0.5
TSL 43973	Soil	0.024	14	40	0.60	278	0.100	<1	2.53	0.013	0.05	0.1	0.02	4.3	0.1	<0.05	8	<0.5
TSL 43974	Soil	0.023	11	37	0.49	298	0.075	<1	2.25	0.011	0.04	0.1	0.02	4.1	0.1	<0.05	8	<0.5
TSL 43975	Soil	0.017	33	30	0.48	497	0.062	3	2.13	0.011	0.13	0.1	0.02	5.5	0.1	<0.05	7	<0.5
TSL 43976	Soil	0.023	12	15	0.54	247	0.114	<1	1.86	0.015	0.31	<0.1	<0.01	6.2	0.1	<0.05	8	<0.5
TSL 43977	Soil	0.031	16	36	0.53	413	0.102	1	2.35	0.012	0.10	0.1	0.02	4.2	0.1	<0.05	8	<0.5
TSL 43978	Soil	0.024	16	24	0.52	412	0.109	1	1.34	0.017	0.16	<0.1	<0.01	4.9	0.1	<0.05	6	<0.5
TSL 43979	Soil	0.030	17	31	0.62	463	0.124	<1	1.50	0.018	0.24	<0.1	0.02	6.6	0.1	<0.05	7	<0.5
TSL 43980	Soil	0.023	17	33	0.62	231	0.102	<1	1.57	0.019	0.11	<0.1	0.01	5.6	<0.1	<0.05	6	<0.5
TSL 43981	Soil	0.023	10	21	0.77	234	0.146	<1	2.08	0.014	0.44	<0.1	<0.01	7.4	0.1	<0.05	9	<0.5
TSL 43982	Soil	0.032	54	38	1.13	183	0.123	<1	1.93	0.052	0.12	<0.1	<0.01	5.8	<0.1	<0.05	8	<0.5
TSL 43983	Soil	0.016	27	11	0.79	250	0.106	<1	1.76	0.008	0.64	<0.1	<0.01	7.9	0.2	<0.05	8	<0.5
TSL 43984	Soil	0.029	16	11	0.60	223	0.150	<1	1.63	0.008	0.63	0.1	<0.01	7.9	0.2	<0.05	8	0.7
TSL 43985	Soil	0.026	9	26	0.55	326	0.101	<1	1.74	0.011	0.28	0.1	0.01	5.6	0.2	<0.05	6	<0.5
TSL 43986	Soil	0.027	13	27	0.48	301	0.094	<1	1.55	0.010	0.26	0.1	0.01	7.5	<0.1	<0.05	6	<0.5
TSL 43987	Soil	0.034	7	18	0.31	257	0.023	1	1.49	0.010	0.06	<0.1	<0.01	5.7	<0.1	<0.05	6	<0.5
TSL 43988	Soil	0.017	17	26	0.53	147	0.053	1	1.79	0.010	0.08	0.1	0.02	5.3	<0.1	<0.05	7	<0.5
TSL 43989	Soil	0.020	23	26	0.47	164	0.049	<1	1.62	0.009	0.10	<0.1	0.01	6.8	<0.1	<0.05	6	<0.5
TSL 43990	Soil	0.058	25	24	0.45	270	0.062	<1	1.41	0.014	0.07	0.2	0.01	3.3	<0.1	<0.05	5	<0.5
TSL 43991	Soil	0.067	16	36	0.43	213	0.070	1	1.33	0.014	0.07	0.2	0.02	5.1	<0.1	<0.05	5	<0.5
TSL 43992	Soil	0.056	18	27	0.47	198	0.086	<1	1.29	0.015	0.07	0.2	0.02	3.7	<0.1	<0.05	4	<0.5
TSL 43993	Soil	0.036	26	25	0.36	284	0.071	<1	1.45	0.015	0.06	0.1	0.02	4.4	<0.1	<0.05	5	0.5
TSL 43994	Soil	0.039	20	28	0.45	293	0.081	1	1.75	0.016	0.05	0.1	0.03	4.3	<0.1	<0.05	6	<0.5
TSL 43995	Soil	0.035	18	28	0.45	245	0.080	6	1.39	0.015	0.04	0.2	0.03	4.0	<0.1	<0.05	4	<0.5
TSL 43996	Soil	0.045	11	24	0.38	168	0.076	<1	1.17	0.018	0.04	0.2	0.02	3.0	<0.1	<0.05	4	<0.5



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	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 43997	Soil		0.9	44.1	26.4	58	<0.1	21.7	12.4	429	2.75	6.6	1.1	3.2	4.3	37	<0.1	0.5	0.2	61	0.52
TSL 43409	Soil		0.9	36.5	6.9	60	<0.1	15.2	9.6	331	3.01	5.2	0.7	0.8	4.4	23	<0.1	0.2	0.1	50	0.22
TSL 43410	Soil		1.0	14.2	13.0	48	<0.1	14.5	10.1	306	3.45	6.6	0.8	1.1	6.2	12	<0.1	0.4	0.1	43	0.11
TSL 43451	Soil		0.5	18.8	11.4	70	<0.1	21.3	13.1	390	2.86	5.8	2.3	0.8	7.9	23	0.1	0.2	0.2	46	0.54
TSL 43455	Soil		0.6	146.2	8.6	102	<0.1	20.8	16.7	482	3.67	9.3	0.8	1.2	1.9	121	0.2	0.4	0.1	88	0.89
TSL 43466	Soil		0.9	18.9	15.3	54	0.1	15.9	9.4	396	2.92	7.3	1.4	3.0	5.6	30	<0.1	0.4	0.2	59	0.38
TSL 43470	Soil		1.1	17.3	9.1	54	<0.1	14.7	7.7	299	2.67	6.6	0.6	1.2	2.9	23	<0.1	0.4	0.2	55	0.29
TSL 43471	Soil		1.0	17.9	7.2	58	<0.1	16.9	9.2	376	2.84	5.9	0.9	<0.5	4.0	24	<0.1	0.3	0.1	54	0.30
TSL 43472	Soil		1.3	16.7	10.1	43	0.1	17.7	7.1	321	2.42	4.1	1.0	2.0	4.6	25	<0.1	0.3	0.2	52	0.29
TSL 43473	Soil		0.9	27.1	14.0	53	0.2	26.6	14.3	1745	2.95	3.9	1.1	0.6	4.1	30	0.2	0.3	0.2	55	0.32
TSL 43474	Soil		1.0	20.6	7.7	60	<0.1	17.2	11.7	567	3.44	6.3	0.7	<0.5	4.1	24	<0.1	0.4	0.1	61	0.26
TSL 43475	Soil		0.8	21.5	8.6	43	<0.1	20.0	13.6	681	2.87	7.8	1.0	<0.5	4.6	30	<0.1	0.4	0.2	63	0.28
TSL 43476	Soil		1.1	14.7	10.8	47	<0.1	15.7	10.0	759	2.84	7.1	0.5	0.9	3.0	32	0.1	0.5	0.2	58	0.32
TSL 43477	Soil		1.1	16.6	10.1	46	<0.1	13.0	7.9	375	2.47	5.8	0.9	2.3	6.9	24	<0.1	0.4	0.1	44	0.24
TSL 43482	Soil		0.8	28.2	9.6	51	0.2	16.0	6.9	291	2.84	3.8	2.9	1.2	9.5	63	0.3	0.3	0.2	44	0.45
TSL 43483	Soil		0.8	20.9	9.8	41	<0.1	12.5	5.9	217	2.27	4.0	2.6	0.8	6.8	25	<0.1	0.2	0.1	37	0.23
TSL 43687	Soil		0.5	11.5	10.1	44	<0.1	8.0	8.3	426	3.05	4.0	0.9	<0.5	6.6	18	<0.1	0.3	<0.1	33	0.23
TSL 42945	Soil		2.2	39.3	21.1	90	<0.1	30.6	13.3	420	4.09	108.7	1.0	1.2	3.8	21	0.1	1.4	0.3	52	0.12
TSL 42971	Soil		0.7	18.1	9.1	74	<0.1	22.2	12.6	480	3.18	5.0	1.4	1.8	6.9	26	0.1	0.2	0.2	56	0.58
TSL 42502	Soil		0.3	12.0	2.1	17	0.1	2.8	1.1	41	0.54	0.7	0.2	<0.5	<0.1	8	0.4	<0.1	<0.1	13	0.04
TSL 42503	Soil		0.5	13.1	4.6	28	0.1	4.4	1.8	93	1.08	1.6	0.2	0.7	<0.1	8	0.4	0.2	0.1	32	0.06
TSL 42504	Soil		1.2	21.2	15.2	64	0.2	12.1	5.5	205	2.78	7.0	0.4	17.7	1.9	10	0.6	0.5	0.2	67	0.10
TSL 42538	Soil		0.8	20.0	13.2	76	<0.1	12.5	8.7	363	2.86	6.2	0.5	2.7	2.3	16	<0.1	0.3	0.1	56	0.16
TSL 42539	Soil		0.7	22.7	18.4	73	0.1	12.7	8.0	329	2.79	5.5	0.6	4.0	2.2	15	<0.1	0.3	0.2	51	0.17
TSL 42540	Soil		0.8	16.9	10.8	67	<0.1	10.5	6.0	244	2.49	5.7	0.5	5.0	1.9	13	<0.1	0.2	0.2	49	0.15
TSL 42542	Soil		1.1	12.4	9.5	44	<0.1	10.2	6.5	177	3.10	8.9	0.4	2.0	2.1	31	0.1	0.4	0.2	79	0.14
TSL 42543	Soil		1.4	12.2	9.0	49	<0.1	9.1	7.3	221	3.56	10.1	0.4	4.2	2.0	34	<0.1	0.4	0.2	93	0.14
TSL 42544	Soil		1.2	18.7	10.5	57	<0.1	16.3	8.2	278	3.31	10.4	0.7	3.2	3.1	14	0.2	0.5	0.2	73	0.14
TSL 42545	Soil		1.3	15.0	11.5	79	<0.1	9.8	5.8	378	3.38	9.9	0.5	4.6	1.9	12	0.2	0.4	0.3	75	0.09
TSL 42546	Soil		0.8	22.6	11.5	73	<0.1	9.2	9.9	354	4.01	6.7	0.6	1.0	2.0	22	0.2	0.3	0.2	84	0.15



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## CERTIFICATE OF ANALYSIS

VAN09003108.1

	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 43997	Soil	0.051	19	34	0.58	328	0.080	<1	1.60	0.023	0.05	0.1	0.04	5.1	<0.1	<0.05	6	<0.5
TSL 43409	Soil	0.027	16	25	0.51	361	0.101	<1	1.37	0.015	0.14	0.1	<0.01	4.7	<0.1	<0.05	5	<0.5
TSL 43410	Soil	0.026	9	20	0.53	257	0.102	<1	1.91	0.010	0.26	<0.1	<0.01	5.4	0.1	<0.05	8	<0.5
TSL 43451	Soil	0.068	35	27	0.57	137	0.069	1	1.51	0.013	0.09	0.2	0.04	3.5	0.1	<0.05	5	<0.5
TSL 43455	Soil	0.060	10	33	0.77	449	0.084	2	1.82	0.040	0.04	0.1	0.04	7.5	<0.1	<0.05	6	<0.5
TSL 43466	Soil	0.032	32	31	0.54	341	0.102	<1	1.74	0.012	0.09	0.2	0.03	5.0	<0.1	<0.05	6	<0.5
TSL 43470	Soil	0.028	11	26	0.54	231	0.108	<1	1.42	0.012	0.20	0.1	0.01	3.2	0.1	<0.05	6	<0.5
TSL 43471	Soil	0.033	12	30	0.65	225	0.117	<1	1.55	0.011	0.28	0.1	0.02	3.6	0.1	<0.05	6	<0.5
TSL 43472	Soil	0.022	33	33	0.55	265	0.108	<1	1.36	0.014	0.18	0.1	<0.01	3.5	0.1	<0.05	6	<0.5
TSL 43473	Soil	0.036	61	38	0.51	571	0.101	2	1.85	0.023	0.22	0.1	0.02	5.0	0.1	<0.05	8	1.0
TSL 43474	Soil	0.027	11	28	0.85	277	0.103	<1	1.79	0.009	0.23	0.1	<0.01	4.8	0.2	<0.05	8	<0.5
TSL 43475	Soil	0.022	29	32	0.48	297	0.088	1	1.67	0.016	0.10	0.1	0.02	4.1	<0.1	<0.05	6	<0.5
TSL 43476	Soil	0.024	7	26	0.42	351	0.080	1	1.61	0.013	0.17	0.1	0.01	3.1	<0.1	<0.05	6	<0.5
TSL 43477	Soil	0.019	19	22	0.38	242	0.079	<1	1.37	0.011	0.16	0.1	<0.01	4.1	<0.1	<0.05	5	<0.5
TSL 43482	Soil	0.037	89	25	0.42	585	0.066	2	1.89	0.015	0.18	0.1	0.04	7.2	0.1	<0.05	8	1.5
TSL 43483	Soil	0.024	33	20	0.30	247	0.065	1	1.12	0.010	0.11	0.1	0.02	5.0	<0.1	<0.05	5	0.5
TSL 43687	Soil	0.037	14	14	0.55	247	0.071	<1	1.33	0.010	0.25	0.1	<0.01	3.8	<0.1	<0.05	6	<0.5
TSL 42945	Soil	0.053	18	26	0.24	156	0.018	<1	1.57	0.010	0.07	0.1	0.01	2.5	0.1	<0.05	5	<0.5
TSL 42971	Soil	0.083	32	34	0.71	188	0.101	1	1.54	0.013	0.16	0.1	0.03	4.2	0.2	0.09	6	<0.5
TSL 42502	Soil	0.043	2	5	0.03	52	0.006	<1	0.27	0.016	0.03	<0.1	0.02	0.2	<0.1	0.08	2	<0.5
TSL 42503	Soil	0.040	3	8	0.04	94	0.040	<1	0.40	0.013	0.03	<0.1	0.02	0.7	<0.1	0.07	3	<0.5
TSL 42504	Soil	0.035	11	23	0.28	125	0.076	<1	1.51	0.011	0.05	0.1	0.03	2.5	0.1	0.05	7	<0.5
TSL 42538	Soil	0.031	9	22	0.40	155	0.092	<1	1.71	0.010	0.06	0.1	0.01	3.1	<0.1	0.06	7	<0.5
TSL 42539	Soil	0.036	10	22	0.39	172	0.080	1	1.55	0.011	0.06	0.1	0.02	3.4	<0.1	0.07	7	<0.5
TSL 42540	Soil	0.028	8	19	0.35	141	0.068	1	1.43	0.009	0.07	0.2	0.03	2.9	<0.1	<0.05	6	<0.5
TSL 42542	Soil	0.029	8	22	0.36	180	0.068	1	1.51	0.010	0.06	0.1	0.02	3.5	<0.1	<0.05	7	<0.5
TSL 42543	Soil	0.039	7	24	0.42	160	0.068	2	1.61	0.012	0.07	0.1	0.02	3.5	<0.1	<0.05	7	<0.5
TSL 42544	Soil	0.025	11	32	0.40	219	0.047	3	2.15	0.010	0.06	0.1	0.05	4.8	0.1	<0.05	7	<0.5
TSL 42545	Soil	0.062	7	20	0.29	103	0.073	3	1.40	0.009	0.08	0.1	0.02	3.4	0.1	<0.05	8	<0.5
TSL 42546	Soil	0.034	8	20	0.44	159	0.064	3	1.72	0.012	0.11	<0.1	0.03	5.3	0.1	<0.05	6	<0.5



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	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 42547	Soil		0.9	16.4	8.8	58	<0.1	13.7	7.2	289	2.98	7.2	0.6	3.8	2.8	19	0.1	0.3	0.2	64	0.19
TSL 42548	Soil		1.5	13.1	9.0	63	<0.1	13.5	10.1	428	3.09	11.3	0.5	2.0	1.3	14	0.2	0.4	0.2	59	0.14
TSL 42549	Soil		1.3	22.2	9.2	60	<0.1	19.9	9.8	322	3.41	9.6	0.7	1.5	3.1	18	0.1	0.4	0.2	67	0.24
TSL 42550	Soil		1.0	32.0	9.7	57	0.2	20.9	12.4	478	3.26	9.9	1.7	<0.5	4.4	31	0.1	0.4	0.2	64	0.39
TSL 42551	Soil		0.7	27.9	7.3	47	<0.1	19.0	9.9	273	2.50	5.7	0.8	8.3	3.8	18	<0.1	0.3	0.1	56	0.28
TSL 42552	Soil		1.2	35.5	7.5	67	0.1	27.4	11.2	280	2.91	6.1	0.7	2.2	2.5	19	0.1	0.3	0.2	67	0.24
TSL 42818	Soil		0.7	17.9	10.0	70	<0.1	14.2	7.8	286	2.96	6.7	0.6	2.3	3.0	15	<0.1	0.3	0.2	57	0.17
TSL 42819	Soil		0.8	11.4	9.7	77	<0.1	4.1	4.3	253	2.96	6.1	0.4	1.1	3.0	8	<0.1	0.3	0.1	51	0.07
TSL 42820	Soil		0.6	24.9	9.2	52	<0.1	22.8	10.3	255	3.04	9.9	0.8	3.7	4.7	17	<0.1	0.5	0.2	64	0.17
TSL 42821	Soil		1.0	34.0	11.3	69	<0.1	29.5	13.1	259	3.38	13.4	0.5	2.0	3.1	15	0.3	0.6	0.2	75	0.15
TSL 42822	Soil		0.6	43.9	13.1	71	<0.1	22.6	10.5	310	3.30	8.1	0.7	15.6	5.1	17	<0.1	0.5	0.2	73	0.19
TSL 42823	Soil		0.8	26.5	10.5	50	<0.1	10.0	6.7	189	2.66	6.4	0.4	<0.5	1.1	12	0.1	0.3	0.2	75	0.15
TSL 42824	Soil		1.1	65.0	22.2	115	<0.1	15.4	12.0	692	3.20	12.0	0.7	3.5	3.9	15	0.4	0.4	0.2	59	0.16
TSL 42825	Soil		0.8	52.9	19.6	142	<0.1	11.7	9.4	414	3.15	6.5	0.7	3.0	2.0	14	0.4	0.3	0.2	58	0.15
TSL 42826	Soil		0.9	56.0	12.8	183	<0.1	10.0	8.9	504	3.30	5.9	0.8	1.7	2.7	12	0.3	0.3	0.2	50	0.13
TSL 42827	Soil		1.2	55.2	13.9	188	<0.1	9.3	7.1	576	2.97	6.7	0.8	5.0	1.2	13	0.5	0.2	0.2	50	0.13
TSL 42829	Soil		0.6	24.2	12.7	132	<0.1	11.3	7.7	374	3.30	4.7	0.4	1.0	2.1	16	0.1	0.2	0.2	52	0.17
TSL 43080	Soil		1.1	18.7	10.2	123	<0.1	10.9	6.9	426	2.81	5.4	0.6	5.4	2.3	16	0.2	0.3	0.2	52	0.21
TSL 43082	Soil		1.0	19.4	10.6	102	<0.1	8.8	5.3	246	2.29	5.6	0.5	2.3	1.4	13	0.3	0.3	0.2	45	0.17
TSL 43083	Soil		1.4	23.6	16.8	144	0.1	10.7	7.0	332	2.34	10.4	0.8	1.5	2.5	12	0.3	0.3	0.3	47	0.15
TSL 43084	Soil		2.4	20.6	22.4	140	<0.1	9.0	6.2	287	2.73	13.5	0.5	7.3	2.2	12	0.4	0.6	0.3	64	0.14
TSL 43085	Soil		0.8	58.4	11.2	87	0.2	15.1	7.7	297	2.38	5.2	1.2	3.8	1.2	20	0.5	0.2	0.2	52	0.20
TSL 43086	Soil		1.1	21.3	13.1	75	<0.1	15.3	9.1	301	3.19	8.5	0.5	2.6	2.4	13	0.1	0.3	0.2	78	0.17
TSL 43087	Soil		1.2	17.6	8.2	63	<0.1	12.2	6.8	230	2.60	9.1	0.6	1.7	0.9	15	0.1	0.2	0.2	65	0.19
TSL 43088	Soil		1.5	15.3	9.8	93	<0.1	12.1	7.9	377	3.15	10.3	1.2	1.1	4.8	10	0.1	0.2	0.2	55	0.14
TSL 43089	Soil		1.3	26.6	10.2	62	0.1	14.8	6.0	173	2.09	7.9	1.4	1.2	0.5	19	0.6	0.3	0.2	44	0.17
TSL 43090	Soil		2.7	29.8	12.6	90	<0.1	23.6	8.9	275	2.84	20.4	1.8	1.8	5.7	13	0.3	0.3	0.2	69	0.20
TSL 43091	Soil		1.5	18.5	9.5	83	<0.1	16.5	9.1	493	3.20	14.3	0.9	2.6	4.0	12	0.2	0.3	0.2	61	0.15
TSL 43094	Soil		1.3	19.4	8.5	75	<0.1	18.1	9.0	366	3.33	12.1	0.8	1.6	4.2	11	0.2	0.4	0.2	60	0.14
TSL 43095	Soil		0.9	24.4	7.0	59	<0.1	21.0	9.2	293	2.69	5.9	0.8	2.3	3.8	20	<0.1	0.3	0.1	54	0.26



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
TSL 42547	Soil	0.025	11	25	0.42	205	0.079	3	1.82	0.010	0.08	0.1	0.03	4.6	0.2	<0.05	6	<0.5
TSL 42548	Soil	0.048	9	28	0.32	106	0.042	2	1.58	0.009	0.06	0.1	0.02	2.5	<0.1	<0.05	5	<0.5
TSL 42549	Soil	0.045	14	33	0.47	269	0.058	2	2.18	0.015	0.06	0.1	0.02	5.3	<0.1	<0.05	7	<0.5
TSL 42550	Soil	0.065	69	37	0.45	658	0.059	2	2.22	0.018	0.10	<0.1	0.06	6.2	0.1	<0.05	7	1.0
TSL 42551	Soil	0.033	21	33	0.49	199	0.091	2	1.48	0.015	0.08	<0.1	0.02	3.9	<0.1	<0.05	5	<0.5
TSL 42552	Soil	0.032	12	45	0.55	187	0.089	3	1.82	0.018	0.08	<0.1	0.02	4.0	<0.1	<0.05	6	<0.5
TSL 42818	Soil	0.026	10	24	0.45	159	0.081	1	1.84	0.013	0.07	<0.1	0.02	3.5	<0.1	<0.05	6	<0.5
TSL 42819	Soil	0.038	6	11	0.31	86	0.079	<1	1.16	0.011	0.23	<0.1	<0.01	3.7	0.1	<0.05	9	<0.5
TSL 42820	Soil	0.023	12	35	0.52	195	0.076	2	2.27	0.021	0.07	0.1	0.03	5.4	0.1	<0.05	5	0.5
TSL 42821	Soil	0.021	9	38	0.57	273	0.083	2	2.59	0.011	0.08	0.1	0.02	4.4	<0.1	<0.05	6	<0.5
TSL 42822	Soil	0.029	16	36	0.56	283	0.092	1	2.32	0.021	0.08	0.1	<0.01	5.3	0.1	<0.05	6	<0.5
TSL 42823	Soil	0.043	10	20	0.38	143	0.075	<1	1.49	0.014	0.08	<0.1	0.03	2.9	<0.1	<0.05	7	<0.5
TSL 42824	Soil	0.038	12	26	0.45	186	0.058	1	1.93	0.010	0.10	<0.1	0.02	3.4	0.2	<0.05	6	<0.5
TSL 42825	Soil	0.036	10	22	0.56	231	0.084	1	1.84	0.010	0.20	0.1	0.02	3.8	0.1	<0.05	7	<0.5
TSL 42826	Soil	0.031	10	17	0.49	215	0.060	<1	1.75	0.011	0.22	<0.1	0.01	4.1	0.1	<0.05	7	<0.5
TSL 42827	Soil	0.040	10	20	0.49	188	0.054	1	1.59	0.012	0.14	<0.1	0.02	3.1	0.1	<0.05	7	<0.5
TSL 42829	Soil	0.039	7	23	0.54	123	0.102	<1	1.63	0.011	0.16	<0.1	0.01	4.3	<0.1	<0.05	8	<0.5
TSL 43080	Soil	0.035	11	19	0.48	242	0.075	2	1.58	0.014	0.10	0.1	0.03	3.8	0.1	<0.05	7	<0.5
TSL 43082	Soil	0.034	7	15	0.30	180	0.059	<1	1.14	0.014	0.09	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5
TSL 43083	Soil	0.042	10	18	0.34	119	0.068	2	1.45	0.013	0.09	<0.1	0.03	2.5	0.1	<0.05	6	<0.5
TSL 43084	Soil	0.030	6	17	0.30	108	0.056	1	1.42	0.011	0.06	0.1	0.01	2.7	0.1	<0.05	6	<0.5
TSL 43085	Soil	0.052	49	23	0.33	380	0.048	1	1.96	0.019	0.07	0.1	0.05	4.3	<0.1	<0.05	7	0.6
TSL 43086	Soil	0.045	8	24	0.45	133	0.080	<1	1.85	0.014	0.08	0.1	0.02	3.3	0.1	<0.05	7	<0.5
TSL 43087	Soil	0.041	9	22	0.45	150	0.086	<1	1.44	0.011	0.10	0.1	0.02	2.6	<0.1	<0.05	6	<0.5
TSL 43088	Soil	0.053	13	20	0.41	166	0.083	<1	1.49	0.015	0.25	<0.1	0.01	3.1	0.1	<0.05	7	<0.5
TSL 43089	Soil	0.058	16	22	0.20	223	0.028	2	1.42	0.015	0.05	<0.1	0.05	2.5	<0.1	<0.05	5	<0.5
TSL 43090	Soil	0.076	24	31	0.42	208	0.082	<1	1.57	0.010	0.21	0.1	0.02	4.2	0.1	<0.05	7	<0.5
TSL 43091	Soil	0.053	13	28	0.42	144	0.065	<1	1.80	0.010	0.09	<0.1	0.03	4.0	<0.1	<0.05	6	<0.5
TSL 43094	Soil	0.050	13	29	0.49	137	0.081	<1	1.96	0.010	0.10	0.1	0.03	4.6	<0.1	<0.05	7	<0.5
TSL 43095	Soil	0.030	15	32	0.52	237	0.077	<1	1.60	0.016	0.08	0.1	0.03	5.6	<0.1	<0.05	5	<0.5



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		Method Analyte Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	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 43432	Soil		1.2	33.5	8.4	98	<0.1	25.9	13.6	250	3.19	9.3	0.8	2.8	5.8	15	0.1	0.2	0.2	65	0.38	
TSL 43433	Soil		1.7	26.5	7.0	66	<0.1	16.6	10.2	354	3.38	10.3	0.9	6.2	3.5	19	<0.1	0.3	0.2	66	0.30	
TSL 43434	Soil		4.3	47.0	5.5	85	<0.1	14.2	19.4	564	4.80	5.6	0.5	4.3	2.7	16	<0.1	0.2	0.3	130	0.35	
TSL 43435	Soil		0.6	42.9	3.3	61	<0.1	9.7	14.6	228	3.44	4.5	0.3	1.5	1.4	10	<0.1	0.2	0.1	94	0.25	
TSL 43436	Soil		0.6	72.6	4.0	41	<0.1	16.7	15.3	301	3.02	4.3	0.6	3.1	2.1	15	<0.1	0.4	0.1	73	0.30	
TSL 43437	Soil		0.8	18.7	7.8	85	<0.1	16.0	12.8	645	3.79	6.9	0.3	1.4	1.9	17	<0.1	0.4	0.2	72	0.20	
TSL 43461	Soil		0.9	47.8	7.2	111	0.1	17.5	14.0	563	3.31	6.5	0.4	10.2	1.9	17	0.2	0.4	0.2	87	0.21	
TSL 43468	Soil		1.0	37.8	7.8	69	<0.1	19.1	12.9	375	3.49	10.5	0.4	2.1	2.5	14	0.1	0.5	0.2	89	0.18	
TSL 43469	Soil		0.9	32.2	5.5	38	<0.1	15.0	13.0	298	2.55	6.8	0.3	<0.5	1.0	17	<0.1	0.3	0.1	62	0.22	
TSL 43207	Soil		1.0	18.3	8.9	69	<0.1	14.4	8.3	233	2.66	6.7	0.6	2.9	4.0	18	0.2	0.3	0.2	57	0.28	
TSL 43211	Soil		0.8	27.7	4.8	162	<0.1	9.2	9.6	504	3.97	4.8	0.6	1.4	1.7	17	0.2	0.2	<0.1	48	0.22	
TSL 43212	Soil		1.1	20.8	7.6	137	<0.1	10.4	9.9	320	3.86	7.4	0.4	3.3	1.6	10	0.2	0.3	0.1	58	0.14	
TSL 43213	Soil		0.7	39.1	6.3	153	<0.1	7.3	19.2	876	6.65	2.8	0.8	2.9	1.5	15	0.1	0.2	<0.1	66	0.38	
TSL 43214	Soil		0.9	22.9	9.3	136	<0.1	15.2	7.8	389	3.93	7.4	0.5	2.3	2.1	12	0.2	0.4	0.1	53	0.14	
TSL 43252	Soil		0.2	60.4	3.0	42	<0.1	90.0	23.2	374	2.65	1.3	0.4	1.8	0.8	18	<0.1	<0.1	<0.1	77	0.54	
TSL 43253	Soil		1.3	39.3	18.1	103	<0.1	57.4	23.9	552	4.52	1.2	2.5	1.0	16.2	30	<0.1	0.1	0.4	35	0.23	
TSL 43254	Soil		0.8	24.4	13.4	72	<0.1	29.5	13.6	414	3.03	4.5	1.4	1.9	5.8	19	0.1	0.2	0.2	45	0.22	
TSL 43255	Soil		0.8	16.9	9.6	52	<0.1	21.3	10.1	223	2.86	5.7	0.9	2.2	5.5	16	0.1	0.3	0.2	57	0.18	
TSL 43257	Soil		0.7	21.5	11.8	68	<0.1	24.6	11.5	230	2.96	7.3	1.4	1.7	8.4	20	<0.1	0.3	0.2	44	0.37	
TSL 43259	Soil		0.6	20.4	20.9	80	<0.1	23.2	14.6	448	3.01	11.8	1.4	<0.5	8.7	30	0.2	0.3	0.3	47	0.72	
TSL 43262	Soil		0.8	69.5	5.7	91	0.1	15.0	18.3	420	4.55	41.5	0.8	3.0	2.7	62	0.1	0.2	0.4	128	0.82	
TSL 43263	Soil		0.8	26.2	4.6	64	<0.1	10.3	14.3	422	3.41	7.4	0.6	2.9	2.4	26	<0.1	0.2	<0.1	83	0.49	
TSL 43264	Soil		0.4	76.3	3.6	57	<0.1	20.4	21.9	411	3.50	4.8	0.3	0.8	0.9	30	<0.1	0.2	<0.1	92	0.44	
TSL 43265	Soil		1.7	57.4	7.4	94	<0.1	22.2	19.4	622	4.58	6.6	0.8	26.5	4.2	23	0.1	0.2	0.1	107	0.53	
TSL 43266	Soil		1.4	30.8	7.1	107	<0.1	13.4	10.0	656	3.41	6.9	0.3	2.9	1.5	18	0.1	0.4	0.1	56	0.21	
TSL 43267	Soil		2.0	25.0	6.7	74	<0.1	15.0	10.4	571	2.87	5.3	0.3	1.1	1.3	19	0.1	0.3	0.1	59	0.21	
TSL 43268	Soil		1.1	39.5	12.0	254	<0.1	24.6	14.4	591	2.81	13.0	0.6	1.3	3.2	19	0.3	0.3	0.2	52	0.23	
TSL 43269	Soil		1.2	20.8	12.8	64	<0.1	11.4	7.6	316	2.89	7.3	1.0	0.6	4.6	10	<0.1	0.2	0.1	34	0.13	
TSL 43318	Soil		0.5	24.1	9.8	57	<0.1	25.9	12.5	215	3.04	4.2	1.2	0.6	6.1	29	<0.1	0.2	0.2	56	0.52	
TSL 43319	Soil		0.6	26.9	7.5	54	<0.1	22.9	9.4	289	2.39	6.8	0.7	2.3	2.8	43	0.1	0.5	0.2	54	0.84	



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Ti ppm	S %	Ga ppm	Se 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 43432	Soil	0.081	17	29	0.68	429	0.072	2	1.96	0.011	0.19	0.1	0.02	4.8	0.2	<0.05	7	<0.5
TSL 43433	Soil	0.045	20	26	0.47	495	0.048	2	1.57	0.011	0.08	0.1	0.03	6.7	<0.1	<0.05	6	<0.5
TSL 43434	Soil	0.084	7	16	1.14	447	0.138	1	2.21	0.017	0.53	<0.1	<0.01	6.2	0.2	<0.05	8	<0.5
TSL 43435	Soil	0.061	6	14	0.66	170	0.081	2	1.73	0.020	0.18	<0.1	0.01	4.4	<0.1	<0.05	5	<0.5
TSL 43436	Soil	0.018	8	42	0.62	205	0.055	<1	1.57	0.019	0.13	<0.1	0.02	8.5	<0.1	<0.05	4	<0.5
TSL 43437	Soil	0.051	6	24	0.68	317	0.116	2	2.16	0.013	0.36	0.1	0.01	4.3	0.1	<0.05	9	<0.5
TSL 43461	Soil	0.021	8	28	0.65	228	0.085	3	1.89	0.015	0.08	<0.1	0.02	4.5	<0.1	<0.05	6	<0.5
TSL 43468	Soil	0.034	8	32	0.58	193	0.068	1	2.14	0.014	0.09	0.1	0.01	4.3	<0.1	<0.05	6	<0.5
TSL 43469	Soil	0.030	4	24	0.45	184	0.063	<1	1.48	0.016	0.07	<0.1	<0.01	2.6	<0.1	<0.05	5	<0.5
TSL 43207	Soil	0.036	15	23	0.45	199	0.078	2	1.54	0.016	0.08	0.2	0.02	3.6	<0.1	<0.05	5	<0.5
TSL 43211	Soil	0.045	11	15	0.55	239	0.122	1	1.70	0.011	0.31	<0.1	0.02	4.7	0.1	<0.05	7	<0.5
TSL 43212	Soil	0.032	5	18	0.46	143	0.105	1	1.76	0.014	0.12	<0.1	0.01	4.0	<0.1	<0.05	7	<0.5
TSL 43213	Soil	0.099	5	10	0.71	178	0.112	1	2.06	0.023	0.30	<0.1	<0.01	9.1	0.1	<0.05	10	<0.5
TSL 43214	Soil	0.050	7	23	0.38	170	0.080	1	1.84	0.010	0.12	0.1	0.02	4.4	<0.1	<0.05	7	<0.5
TSL 43252	Soil	0.053	3	259	2.08	206	0.095	2	1.98	0.017	0.13	<0.1	<0.01	4.2	<0.1	<0.05	6	<0.5
TSL 43253	Soil	0.086	54	31	0.94	117	0.078	2	1.97	0.033	0.34	<0.1	<0.01	3.2	0.3	0.16	7	0.7
TSL 43254	Soil	0.044	20	28	0.49	138	0.035	2	1.39	0.011	0.08	<0.1	0.01	3.3	0.1	<0.05	5	0.6
TSL 43255	Soil	0.027	19	31	0.50	143	0.074	2	1.68	0.014	0.09	0.1	0.02	3.5	0.1	<0.05	5	<0.5
TSL 43257	Soil	0.059	33	28	0.50	175	0.058	2	1.54	0.012	0.10	0.1	0.01	3.3	0.1	<0.05	5	0.6
TSL 43259	Soil	0.049	30	28	0.57	143	0.067	2	1.48	0.014	0.12	0.1	0.02	3.3	0.1	<0.05	5	<0.5
TSL 43262	Soil	0.067	16	18	0.95	523	0.113	2	2.10	0.028	0.33	<0.1	0.05	10.1	0.2	<0.05	8	0.6
TSL 43263	Soil	0.057	10	19	0.78	520	0.113	1	1.54	0.016	0.37	<0.1	0.02	5.2	0.1	<0.05	5	<0.5
TSL 43264	Soil	0.013	7	26	1.26	475	0.173	2	2.11	0.020	0.64	<0.1	<0.01	4.3	0.2	<0.05	5	<0.5
TSL 43265	Soil	0.056	14	37	1.02	831	0.110	2	2.31	0.019	0.40	0.1	0.02	7.9	0.2	<0.05	8	0.7
TSL 43266	Soil	0.015	6	20	0.50	535	0.094	1	1.76	0.010	0.28	0.1	0.01	5.4	0.1	<0.05	7	<0.5
TSL 43267	Soil	0.016	5	22	0.56	580	0.084	2	1.63	0.017	0.20	<0.1	0.01	4.6	0.1	<0.05	6	<0.5
TSL 43268	Soil	0.019	8	22	0.46	327	0.048	1	1.50	0.009	0.11	<0.1	0.02	3.4	0.1	<0.05	5	<0.5
TSL 43269	Soil	0.020	6	14	0.37	285	0.080	1	1.50	0.008	0.32	<0.1	0.01	4.1	0.2	<0.05	5	<0.5
TSL 43318	Soil	0.038	19	33	0.64	172	0.102	1	2.19	0.020	0.11	0.1	0.02	3.5	0.1	<0.05	7	<0.5
TSL 43319	Soil	0.070	12	29	0.57	236	0.085	3	1.50	0.047	0.07	0.2	0.03	3.6	<0.1	<0.05	4	<0.5



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Project: TSL  
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## CERTIFICATE OF ANALYSIS

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	Method Analyte	Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
			Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
			kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%
			0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2
TSL 43320	Soil			1.1	39.5	4.4	63	<0.1	11.3	23.8	585	4.81	4.6	0.5	1.0	0.8	38	0.1	0.2	<0.1	157
TSL 43321	Soil			0.5	14.5	4.0	44	<0.1	10.5	17.1	693	4.35	3.9	1.0	0.8	7.2	22	<0.1	0.2	<0.1	108
TSL 43322	Soil			0.5	76.4	5.9	154	<0.1	9.6	23.8	548	5.21	5.0	0.3	<0.5	1.1	32	<0.1	0.1	<0.1	144
TSL 43323	Soil			0.7	52.2	4.0	96	<0.1	13.7	25.3	392	6.07	58.6	0.5	1.5	1.0	36	<0.1	0.2	<0.1	206
TSL 43324	Soil			0.9	163.0	4.7	125	<0.1	12.0	23.2	483	6.74	9.7	0.5	0.7	1.1	25	0.1	0.2	<0.1	266
TSL 43325	Soil			1.1	27.7	5.4	111	<0.1	19.7	17.5	694	5.61	2.8	0.5	0.5	2.2	13	<0.1	0.2	<0.1	96
TSL 43326	Soil			1.2	53.4	17.1	144	<0.1	32.7	16.1	552	4.63	10.4	1.0	3.5	9.1	26	0.2	0.3	0.3	88
TSL 43327	Soil			0.5	39.4	4.2	87	<0.1	15.6	23.6	652	5.08	4.0	0.6	1.0	1.4	29	<0.1	0.2	0.1	106
TSL 43328	Soil			1.5	46.8	51.8	101	0.1	33.1	22.1	533	4.85	26.0	1.2	3.7	8.9	14	0.1	0.3	0.4	101
TSL 43329	Soil			1.2	22.5	5.5	120	<0.1	10.6	10.8	447	5.20	11.1	1.2	<0.5	4.3	5	<0.1	0.1	0.2	46
TSL 43330	Soil			1.6	29.3	8.6	94	<0.1	7.7	16.1	533	4.66	3.8	0.3	3.2	1.0	13	<0.1	0.2	<0.1	120
TSL 43334	Soil			1.1	72.7	8.6	82	<0.1	12.7	7.9	322	3.20	6.4	0.5	8.0	0.9	15	0.2	0.2	0.2	75
TSL 43001	Soil			0.8	41.2	5.3	54	<0.1	22.2	15.9	933	3.27	9.0	0.7	1.5	2.0	43	0.2	0.3	0.1	74
TSL 43002	Soil			1.0	35.6	6.0	56	<0.1	22.0	16.0	878	3.19	7.9	1.7	11.2	2.0	52	0.2	0.3	0.1	65
TSL 43003	Soil			0.8	24.0	5.1	41	<0.1	17.4	9.5	298	2.14	6.5	1.3	1.6	1.3	76	0.2	0.5	0.1	49
TSL 43004	Soil			0.6	33.4	7.2	62	<0.1	23.7	11.1	267	2.61	4.5	0.8	2.3	3.5	23	<0.1	0.2	0.1	65
TSL 43005	Soil			0.8	32.1	6.9	70	<0.1	24.6	12.6	425	2.79	4.6	1.1	1.5	3.7	25	0.2	0.2	0.1	66
TSL 43006	Soil			0.9	32.1	8.3	72	<0.1	27.0	13.6	407	3.03	5.1	1.7	2.2	7.7	25	0.2	0.2	0.2	61
TSL 43036	Soil			0.5	34.6	3.3	24	<0.1	18.3	8.2	147	1.56	2.9	0.1	1.4	0.5	15	<0.1	0.2	<0.1	39
TSL 43037	Soil			0.7	19.9	6.2	42	<0.1	16.1	12.3	302	2.74	7.5	0.3	0.8	1.4	11	<0.1	0.3	0.1	64
TSL 43038	Soil			0.9	48.5	6.6	42	<0.1	31.1	20.7	194	2.95	8.1	0.4	1.8	1.6	13	0.1	0.4	0.1	60
TSL 43039	Soil			0.6	12.4	5.9	30	<0.1	10.5	4.4	155	1.49	3.7	0.3	1.5	0.3	8	0.1	0.2	0.1	40
TSL 43040	Soil			0.8	26.7	8.3	21	<0.1	10.3	3.4	73	1.61	3.5	0.8	1.6	2.3	15	0.2	0.2	0.1	34
TSL 43041	Soil			1.3	22.1	9.7	82	<0.1	19.3	9.8	357	3.51	7.9	1.3	3.6	5.2	18	<0.1	0.5	0.2	58
TSL 43042	Soil			1.3	24.7	9.6	81	<0.1	20.2	9.8	368	3.51	8.2	1.4	4.3	5.4	20	<0.1	0.5	0.2	59
TSL 43043	Soil			1.0	26.7	9.0	91	<0.1	17.9	10.9	296	3.72	6.7	1.5	5.0	3.2	13	0.1	1.1	0.1	49
TSL 43044	Soil			3.7	29.7	13.1	135	<0.1	19.5	11.7	380	4.53	12.7	1.2	1.4	5.3	14	0.3	0.3	0.2	86
TSL 43045	Soil			2.1	24.1	17.8	86	<0.1	19.7	6.7	242	2.83	12.7	1.2	1.2	1.5	11	0.1	0.2	0.2	60
TSL 43046	Soil			2.4	27.7	14.2	113	<0.1	28.0	10.7	465	3.68	24.8	1.7	0.8	5.9	12	0.2	0.3	0.2	49
TSL 43047	Soil			2.4	26.1	10.0	117	<0.1	30.1	10.0	294	3.31	14.5	1.4	0.5	6.6	10	0.2	0.3	0.1	61





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## CERTIFICATE OF ANALYSIS

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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					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 43320	Soil				0.054	6	11	0.93	335	0.085	3	1.92	0.023	0.23	<0.1	0.02	7.3	<0.1	0.06	9	<0.5
TSL 43321	Soil				0.072	15	16	1.70	662	0.158	2	2.60	0.011	0.92	<0.1	<0.01	12.1	0.2	<0.05	9	<0.5
TSL 43322	Soil				0.113	3	9	1.27	373	0.170	1	2.34	0.060	0.64	<0.1	<0.01	8.3	0.2	<0.05	12	<0.5
TSL 43323	Soil				0.084	5	16	1.45	303	0.193	2	2.89	0.035	0.80	<0.1	0.01	7.6	0.3	<0.05	9	<0.5
TSL 43324	Soil				0.060	6	15	1.30	545	0.179	1	2.59	0.018	0.77	<0.1	0.01	11.0	0.5	<0.05	11	<0.5
TSL 43325	Soil				0.028	9	32	1.17	520	0.308	1	2.63	0.011	1.23	<0.1	0.01	8.0	0.4	<0.05	11	<0.5
TSL 43326	Soil				0.077	34	34	0.73	1224	0.147	2	1.97	0.016	0.58	0.1	0.03	7.1	0.3	0.05	8	0.7
TSL 43327	Soil				0.104	5	27	1.14	1307	0.158	1	2.15	0.015	0.61	<0.1	0.02	7.1	0.2	<0.05	8	<0.5
TSL 43328	Soil				0.079	34	51	0.74	615	0.077	1	1.58	0.010	0.44	<0.1	0.02	9.3	0.3	<0.05	6	0.9
TSL 43329	Soil				0.025	8	11	1.02	483	0.201	2	2.27	0.008	1.16	0.1	<0.01	8.7	0.4	<0.05	10	<0.5
TSL 43330	Soil				0.020	3	12	1.32	602	0.207	<1	2.46	0.011	0.92	<0.1	<0.01	4.8	0.3	<0.05	9	<0.5
TSL 43334	Soil				0.043	8	21	0.63	425	0.077	1	1.88	0.010	0.23	0.1	0.01	2.8	0.1	<0.05	7	<0.5
TSL 43001	Soil				0.060	11	49	0.82	1097	0.080	2	1.53	0.030	0.21	0.2	0.02	6.4	<0.1	<0.05	5	0.7
TSL 43002	Soil				0.073	17	32	0.61	1099	0.075	2	1.49	0.018	0.17	<0.1	0.04	6.0	<0.1	0.05	5	0.9
TSL 43003	Soil				0.074	12	22	0.46	730	0.052	3	0.99	0.024	0.05	0.2	0.03	3.1	<0.1	0.09	3	1.2
TSL 43004	Soil				0.066	13	47	0.82	238	0.082	1	1.66	0.017	0.06	0.1	0.03	3.9	0.1	<0.05	6	<0.5
TSL 43005	Soil				0.069	15	41	0.81	270	0.073	2	1.52	0.016	0.12	0.1	0.04	4.3	<0.1	<0.05	5	<0.5
TSL 43006	Soil				0.079	38	37	0.84	267	0.081	2	1.61	0.016	0.24	0.1	0.03	4.3	0.2	<0.05	6	0.6
TSL 43036	Soil				0.014	2	31	0.30	74	0.062	<1	1.14	0.014	0.03	<0.1	<0.01	1.5	<0.1	<0.05	3	<0.5
TSL 43037	Soil				0.044	5	24	0.52	196	0.075	<1	1.83	0.016	0.07	0.1	<0.01	2.5	<0.1	<0.05	5	<0.5
TSL 43038	Soil				0.039	5	47	0.49	126	0.074	<1	2.29	0.014	0.05	<0.1	0.04	2.9	<0.1	<0.05	5	<0.5
TSL 43039	Soil				0.033	4	22	0.21	61	0.049	<1	0.76	0.014	0.04	<0.1	0.01	1.3	<0.1	<0.05	4	<0.5
TSL 43040	Soil				0.030	24	22	0.12	221	0.036	2	1.34	0.015	0.04	<0.1	0.03	3.6	<0.1	<0.05	5	0.7
TSL 43041	Soil				0.026	20	31	0.49	296	0.060	1	2.00	0.010	0.10	0.1	0.03	5.9	<0.1	<0.05	6	<0.5
TSL 43042	Soil				0.030	24	32	0.49	337	0.064	1	1.94	0.016	0.11	<0.1	0.04	6.7	<0.1	<0.05	6	0.7
TSL 43043	Soil				0.040	14	24	0.32	184	0.034	3	1.56	0.009	0.10	<0.1	0.02	7.8	<0.1	<0.05	5	0.8
TSL 43044	Soil				0.042	16	27	0.58	261	0.048	1	2.22	0.013	0.09	<0.1	0.02	6.8	<0.1	<0.05	10	<0.5
TSL 43045	Soil				0.073	9	29	0.32	129	0.064	<1	1.19	0.009	0.25	<0.1	0.01	2.3	0.1	<0.05	6	<0.5
TSL 43046	Soil				0.080	28	25	0.33	206	0.031	2	1.48	0.008	0.14	<0.1	0.01	3.0	0.1	<0.05	5	<0.5
TSL 43047	Soil				0.069	23	37	0.49	133	0.072	2	1.49	0.010	0.20	<0.1	0.01	3.3	0.2	0.06	6	<0.5



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Project: TSL  
Report Date: July 31, 2009

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	Method	Analyte	Unit	MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
					kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
					0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
TSL 43048	Soil				1.1	32.9	13.3	171	<0.1	18.0	14.0	417	3.64	14.1	0.9	3.4	3.3	17	0.4	0.3	0.1	91	0.27	
TSL 42505	Soil				0.9	20.2	14.8	134	<0.1	12.0	7.5	318	2.46	6.5	0.6	4.9	2.5	12	0.4	0.3	0.2	48	0.17	
TSL 42506	Soil				1.0	26.4	13.4	107	0.2	11.3	5.8	190	2.28	7.1	0.9	1.9	2.1	14	0.4	0.2	0.2	44	0.15	
TSL 42537	Soil				0.7	29.9	14.2	73	0.1	14.3	10.1	369	2.98	5.4	0.7	1.1	2.2	17	0.1	0.3	0.2	59	0.22	
TSL 42541	Soil				0.9	21.4	12.5	60	<0.1	9.7	8.6	366	2.23	5.7	0.4	1.6	1.3	15	0.1	0.2	0.1	65	0.20	
TSL 43360	Soil				1.0	39.4	6.9	65	<0.1	28.2	16.8	829	2.77	5.0	1.2	1.7	3.9	31	0.2	0.2	0.2	62	0.61	
TSL 43361	Soil				0.9	49.4	6.6	67	<0.1	34.8	14.7	422	2.84	4.7	1.3	3.1	4.4	28	0.2	0.2	0.1	67	0.69	
TSL 43362	Soil				0.6	52.7	6.9	60	<0.1	32.1	14.2	342	2.85	3.9	1.3	5.9	4.7	25	0.1	0.2	0.1	65	0.63	
TSL 43363	Soil				0.5	27.7	7.5	58	<0.1	21.6	10.0	236	2.48	4.0	0.8	2.9	5.2	28	<0.1	0.2	0.1	61	0.65	
TSL 43364	Soil				0.8	43.1	5.8	50	<0.1	15.1	8.7	270	2.07	2.9	0.6	3.2	2.0	23	0.1	0.2	0.1	58	0.62	
TSL 43365	Soil				0.4	80.1	4.0	65	<0.1	24.7	15.2	364	2.88	3.4	0.3	4.0	1.1	19	<0.1	0.2	<0.1	91	0.40	
TSL 43366	Soil				0.5	141.2	5.1	72	<0.1	30.2	19.1	455	3.70	3.9	0.4	6.2	2.0	23	<0.1	0.2	<0.1	99	0.41	
TSL 43367	Soil				0.2	100.4	1.6	59	<0.1	56.1	25.6	793	4.44	1.0	<0.1	5.0	0.6	41	0.1	<0.1	<0.1	151	4.36	
TSL 43368	Soil				15.3	28.6	14.6	64	0.3	105.3	27.5	708	5.43	82.3	1.3	16.3	3.5	23	0.2	0.7	0.6	55	0.26	
TSL 43369	Soil				0.4	112.3	1.6	57	<0.1	35.6	20.4	354	3.91	1.8	0.5	3.7	1.2	21	<0.1	<0.1	<0.1	143	0.79	
TSL 43370	Soil				0.5	97.6	4.2	63	<0.1	27.8	16.6	413	3.41	12.1	0.4	7.9	1.7	29	<0.1	0.3	0.1	92	0.58	
TSL 43371	Soil				0.5	65.5	5.0	48	<0.1	22.0	12.4	334	2.87	4.6	0.6	1.5	1.7	27	<0.1	0.3	0.1	78	0.54	
TSL 43372	Soil				0.5	98.8	3.4	43	<0.1	35.9	16.1	549	2.56	3.7	0.5	2.9	0.9	22	<0.1	0.2	<0.1	70	0.60	
TSL 43373	Soil				1.0	65.5	6.7	93	<0.1	72.1	20.6	689	4.82	6.9	0.9	1.6	7.0	29	0.1	0.3	0.1	113	0.83	
TSL 43374	Soil				1.9	37.2	11.4	93	<0.1	42.6	17.2	448	4.21	7.7	2.2	2.7	19.8	19	0.6	0.2	0.4	42	0.50	
TSL 43375	Soil				1.3	35.4	9.3	56	<0.1	29.1	12.0	291	3.14	8.7	1.9	1.6	9.5	23	<0.1	0.3	0.3	49	0.43	
TSL 42932	Soil				1.2	11.0	8.8	41	<0.1	9.2	4.7	204	2.98	7.6	0.5	8.0	1.8	9	0.1	0.4	0.2	68	0.10	
TSL 42946	Soil				1.4	27.6	11.9	68	<0.1	31.5	15.4	313	4.14	10.4	1.4	2.2	6.6	16	<0.1	0.5	0.3	68	0.14	
TSL 42947	Soil				1.1	30.5	9.8	64	<0.1	33.4	13.7	309	3.39	5.8	1.7	3.9	7.9	15	<0.1	0.3	0.3	52	0.18	
TSL 42948	Soil				0.6	15.1	11.0	75	<0.1	22.4	11.6	301	2.96	4.4	1.2	0.7	6.7	21	0.2	0.2	0.2	50	0.47	
TSL 42949	Soil				0.9	15.5	9.4	42	0.1	11.9	4.5	125	1.87	2.9	1.2	0.6	1.8	14	<0.1	<0.1	0.3	25	0.19	
TSL 42969	Soil				0.5	28.7	13.8	78	0.1	31.6	15.0	713	3.24	3.4	2.7	1.7	8.3	32	0.2	0.2	0.2	40	0.97	
TSL 42970	Soil				0.6	16.1	9.3	69	<0.1	22.3	12.3	459	3.06	4.6	1.3	1.7	6.6	23	0.2	0.2	0.2	52	0.61	
TSL 43061	Soil				0.6	81.5	4.4	61	<0.1	20.5	17.7	400	3.41	3.7	0.4	2.2	1.9	18	<0.1	0.2	<0.1	96	0.37	
TSL 43062	Soil				0.4	39.3	3.2	67	<0.1	18.9	19.1	406	3.71	2.7	0.2	2.0	1.0	11	<0.1	0.1	<0.1	105	0.27	



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
TSL 43048	Soil	0.060	13	25	0.59	157	0.090	1	1.88	0.023	0.12	<0.1	0.01	5.1	0.1	0.05	7	0.5
TSL 42505	Soil	0.039	10	20	0.39	118	0.076	<1	1.53	0.016	0.08	0.1	0.01	2.3	0.1	0.09	5	<0.5
TSL 42506	Soil	0.037	19	21	0.35	180	0.070	2	1.64	0.013	0.09	0.1	0.04	3.0	0.1	0.05	6	0.6
TSL 42537	Soil	0.040	12	23	0.49	206	0.079	<1	1.93	0.016	0.07	<0.1	0.02	3.4	<0.1	0.06	7	<0.5
TSL 42541	Soil	0.040	8	18	0.38	217	0.086	<1	1.09	0.014	0.06	<0.1	0.01	2.8	<0.1	0.06	7	<0.5
TSL 43360	Soil	0.084	18	53	0.82	324	0.065	1	1.53	0.017	0.06	0.2	0.03	3.9	<0.1	0.08	6	0.6
TSL 43361	Soil	0.079	16	68	1.01	304	0.076	1	1.69	0.018	0.07	0.1	0.03	4.5	<0.1	<0.05	5	<0.5
TSL 43362	Soil	0.075	20	61	1.01	304	0.078	2	1.62	0.020	0.09	0.6	0.02	4.5	<0.1	<0.05	6	<0.5
TSL 43363	Soil	0.055	15	38	0.83	333	0.090	2	1.57	0.021	0.07	0.2	0.03	3.7	0.1	<0.05	6	<0.5
TSL 43364	Soil	0.049	13	28	0.55	535	0.062	2	1.19	0.014	0.05	<0.1	0.02	2.7	<0.1	0.05	5	<0.5
TSL 43365	Soil	0.059	4	45	0.95	362	0.102	1	1.65	0.015	0.06	<0.1	<0.01	3.6	<0.1	<0.05	6	<0.5
TSL 43366	Soil	0.077	7	48	1.26	847	0.137	2	2.29	0.015	0.14	0.1	<0.01	4.7	<0.1	<0.05	7	<0.5
TSL 43367	Soil	0.063	4	127	0.95	275	0.028	3	0.97	0.011	0.14	<0.1	0.02	22.3	<0.1	<0.05	6	<0.5
TSL 43368	Soil	0.027	15	63	0.82	1289	0.020	2	2.04	0.008	0.10	0.1	0.02	7.0	<0.1	<0.05	7	1.1
TSL 43369	Soil	0.103	9	79	2.10	578	0.261	1	2.36	0.014	0.32	<0.1	0.02	5.3	<0.1	<0.05	9	<0.5
TSL 43370	Soil	0.059	7	43	1.04	266	0.104	2	1.95	0.021	0.05	0.1	0.02	4.9	<0.1	<0.05	6	<0.5
TSL 43371	Soil	0.031	8	41	0.80	203	0.103	2	1.80	0.023	0.05	0.1	0.02	4.4	<0.1	<0.05	6	0.6
TSL 43372	Soil	0.031	5	62	0.98	199	0.076	2	1.67	0.017	0.04	<0.1	0.03	5.1	<0.1	<0.05	5	<0.5
TSL 43373	Soil	0.169	26	121	2.02	639	0.125	4	2.82	0.010	0.70	0.1	0.02	7.2	0.5	<0.05	8	1.1
TSL 43374	Soil	0.112	59	41	0.83	330	0.102	2	1.74	0.010	0.58	<0.1	0.03	5.3	0.4	<0.05	7	0.6
TSL 43375	Soil	0.041	31	40	0.66	1040	0.072	2	1.69	0.013	0.15	<0.1	0.03	3.9	0.1	<0.05	6	1.0
TSL 42932	Soil	0.043	7	18	0.24	89	0.074	1	1.32	0.009	0.07	0.1	0.01	2.2	<0.1	<0.05	9	<0.5
TSL 42946	Soil	0.036	20	41	0.55	158	0.058	2	2.61	0.011	0.07	0.1	0.02	4.2	0.1	<0.05	7	<0.5
TSL 42947	Soil	0.030	29	32	0.57	154	0.040	2	1.98	0.011	0.06	0.1	0.02	3.2	0.1	<0.05	5	<0.5
TSL 42948	Soil	0.054	32	33	0.65	143	0.081	1	1.54	0.012	0.09	<0.1	0.03	3.2	0.1	<0.05	6	0.5
TSL 42949	Soil	0.068	18	17	0.33	72	0.036	2	0.83	0.014	0.10	<0.1	0.04	1.5	0.1	0.05	4	<0.5
TSL 42969	Soil	0.073	59	36	0.70	145	0.076	2	1.48	0.012	0.21	0.1	0.04	3.8	0.2	0.07	6	0.9
TSL 42970	Soil	0.084	31	32	0.69	182	0.084	2	1.50	0.012	0.16	0.1	0.02	4.0	0.1	0.06	6	<0.5
TSL 43061	Soil	0.051	8	47	1.26	201	0.100	2	2.23	0.014	0.06	<0.1	0.01	4.1	<0.1	<0.05	7	<0.5
TSL 43062	Soil	0.043	4	83	2.15	209	0.165	1	2.73	0.015	0.18	<0.1	0.01	3.6	<0.1	<0.05	9	<0.5



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	Method	Analyte	Unit	MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
					kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
					0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
TSL 43063	Soil				0.6	51.1	5.6	53	<0.1	12.4	14.4	371	3.37	3.3	0.6	3.4	1.9	17	<0.1	0.2	0.1	97	0.39	
TSL 43064	Soil				1.1	23.8	7.0	61	<0.1	14.0	11.2	365	3.64	7.4	1.0	3.1	5.6	16	0.1	0.2	0.2	77	0.31	
TSL 43065	Soil				2.1	13.8	11.3	58	0.1	13.9	8.1	507	2.46	6.6	2.2	1.2	7.5	18	<0.1	0.2	0.4	42	0.31	
TSL 43066	Soil				1.6	20.8	10.2	71	0.1	28.0	11.1	389	3.05	6.3	1.4	3.3	5.7	18	0.2	0.2	0.2	62	0.29	
TSL 43067	Soil				1.9	38.5	11.3	97	<0.1	39.0	16.3	454	3.81	3.1	1.1	1.4	7.1	15	0.2	0.1	0.2	54	0.27	
TSL 43068	Soil				0.2	59.8	2.8	40	<0.1	93.2	22.9	391	2.75	1.0	0.3	0.6	0.7	17	<0.1	<0.1	<0.1	72	0.52	
TSL 43092	Soil				1.1	18.1	10.1	68	<0.1	16.2	9.8	537	3.10	12.7	0.7	5.5	2.6	12	0.1	0.4	0.2	57	0.14	
TSL 43093	Soil				1.1	22.4	8.3	60	<0.1	20.1	9.6	279	3.46	9.0	0.7	1.8	4.2	17	<0.1	0.4	0.2	71	0.17	
TSL 43415	Soil				2.4	59.1	12.5	135	0.2	32.3	13.3	467	4.98	59.2	1.3	5.5	11.2	46	0.3	0.2	0.2	67	0.53	
TSL 43452	Soil				0.5	21.8	16.3	87	<0.1	25.2	15.0	562	3.13	6.2	1.6	3.6	6.7	29	0.3	0.3	0.2	51	0.89	
TSL 43453	Soil				0.6	54.7	6.0	63	<0.1	11.8	16.6	434	3.57	4.4	0.4	0.5	0.9	18	<0.1	0.2	<0.1	99	0.38	
TSL 43454	Soil				0.8	51.3	10.4	92	<0.1	17.0	15.7	730	3.10	11.8	0.9	1.3	1.4	44	0.3	0.4	0.2	76	0.82	
TSL 43457	Soil				0.6	36.2	9.5	73	0.1	16.2	12.4	409	2.89	8.1	0.7	3.8	2.2	34	0.2	0.3	0.2	70	0.51	
TSL 43458	Soil				0.6	29.6	7.2	57	<0.1	14.2	12.8	363	3.24	7.6	0.4	2.4	1.6	26	0.1	0.3	0.1	76	0.44	
TSL 43459	Soil				0.6	26.4	5.2	45	<0.1	14.2	11.6	609	2.65	4.3	0.3	0.9	1.4	19	<0.1	0.3	<0.1	65	0.29	
TSL 43460	Soil				0.7	37.7	5.9	48	<0.1	15.4	15.7	326	3.89	6.0	0.5	1.4	1.5	20	<0.1	0.3	0.1	96	0.27	
TSL 43149	Soil				1.2	27.8	14.1	86	<0.1	16.7	15.1	564	3.31	6.8	0.7	2.8	2.5	20	0.1	0.2	0.1	74	0.30	
TSL 43150	Soil				1.2	21.2	9.9	67	<0.1	15.9	10.2	462	3.10	8.1	0.5	5.9	2.4	14	0.2	0.3	0.2	68	0.16	
TSL 43152	Soil				0.9	30.8	9.1	129	<0.1	11.8	8.8	504	3.15	6.2	0.8	2.6	3.0	20	0.2	0.3	0.2	55	0.24	
TSL 43154	Soil				1.0	30.3	10.8	112	0.1	13.9	10.1	451	3.37	6.0	1.4	6.8	3.3	27	0.1	0.3	0.2	63	0.39	
TSL 43155	Soil				0.7	21.5	9.1	83	<0.1	25.9	13.3	517	3.08	5.0	0.7	2.2	2.2	22	0.1	0.3	0.2	68	0.36	
TSL 43156	Soil				0.7	16.5	10.3	98	<0.1	14.4	9.3	332	2.88	6.8	0.8	5.7	2.7	19	0.1	0.4	0.2	54	0.32	
TSL 43158	Soil				5.7	26.5	12.4	113	0.2	16.8	9.2	276	3.37	14.1	1.2	2.9	5.4	18	0.2	0.3	0.2	57	0.29	
TSL 43159	Soil				1.3	19.8	10.4	102	0.1	16.2	10.0	383	3.39	11.5	1.0	3.2	3.7	18	0.2	0.5	0.2	59	0.28	
TSL 43160	Soil				1.2	20.6	10.3	87	0.1	16.2	10.6	393	3.02	8.8	1.2	2.5	4.8	22	0.1	0.4	0.2	53	0.37	
TSL 43161	Soil				1.1	24.0	8.3	75	<0.1	16.0	9.7	354	2.91	7.0	1.0	2.1	4.7	18	0.2	0.3	0.1	55	0.31	
TSL 43162	Soil				1.3	25.9	7.3	68	<0.1	16.2	9.2	349	3.04	6.7	0.6	1.9	4.0	15	0.1	0.3	0.2	52	0.22	
TSL 43163	Soil				1.4	29.6	7.8	80	<0.1	17.6	10.2	411	3.35	9.5	1.2	2.3	4.8	18	0.1	0.3	0.2	56	0.31	
TSL 43164	Soil				0.9	26.2	9.1	66	<0.1	13.8	6.8	297	2.31	5.1	1.2	1.8	4.3	17	0.1	0.2	0.2	43	0.28	
TSL 43165	Soil				1.2	23.8	10.8	87	0.1	16.6	10.5	392	3.10	6.5	1.0	3.3	4.2	21	0.2	0.2	0.2	59	0.30	



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## CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
TSL 43063	Soil	0.023	6	27	0.75	152	0.056	1	1.58	0.016	0.06	0.1	0.03	4.7	<0.1	<0.05	7	0.5
TSL 43064	Soil	0.064	17	24	0.69	217	0.053	2	1.63	0.013	0.07	0.2	0.05	3.6	<0.1	<0.05	6	0.6
TSL 43065	Soil	0.067	22	25	0.46	257	0.050	1	1.25	0.010	0.09	0.2	0.03	2.2	0.1	<0.05	5	<0.5
TSL 43066	Soil	0.061	28	48	0.83	187	0.082	3	1.66	0.013	0.12	0.1	0.04	3.3	0.2	<0.05	7	<0.5
TSL 43067	Soil	0.064	18	40	0.89	132	0.088	2	1.64	0.010	0.26	<0.1	0.02	3.0	0.2	<0.05	5	0.5
TSL 43068	Soil	0.050	3	260	2.11	205	0.092	2	1.94	0.014	0.13	<0.1	0.01	4.1	<0.1	<0.05	5	<0.5
TSL 43092	Soil	0.043	13	25	0.40	158	0.054	1	1.73	0.010	0.05	0.1	0.02	3.3	<0.1	<0.05	6	<0.5
TSL 43093	Soil	0.024	13	36	0.48	162	0.082	1	2.35	0.010	0.06	0.1	0.02	4.9	<0.1	<0.05	7	<0.5
TSL 43415	Soil	0.103	25	26	0.43	290	0.047	3	1.08	0.014	0.19	<0.1	0.03	8.5	0.2	0.07	4	1.4
TSL 43452	Soil	0.075	31	34	0.59	181	0.062	2	1.44	0.015	0.13	0.1	0.03	4.4	0.1	0.08	5	0.5
TSL 43453	Soil	0.030	6	21	0.65	310	0.110	<1	1.70	0.041	0.06	<0.1	0.01	5.6	<0.1	<0.05	6	<0.5
TSL 43454	Soil	0.056	10	30	0.60	348	0.049	2	1.66	0.020	0.05	0.2	0.03	6.0	<0.1	0.06	6	0.6
TSL 43457	Soil	0.047	10	29	0.61	363	0.078	2	1.64	0.034	0.04	0.1	0.03	4.9	<0.1	<0.05	5	0.6
TSL 43458	Soil	0.037	7	27	0.61	245	0.087	2	1.80	0.025	0.04	0.1	0.01	4.5	<0.1	<0.05	6	0.7
TSL 43459	Soil	0.036	6	28	0.58	262	0.084	<1	1.59	0.020	0.08	<0.1	<0.01	3.6	<0.1	<0.05	5	<0.5
TSL 43460	Soil	0.028	6	36	0.65	212	0.090	<1	2.02	0.029	0.05	<0.1	0.01	5.5	<0.1	<0.05	6	<0.5
TSL 43149	Soil	0.051	10	27	0.60	303	0.066	2	1.75	0.013	0.08	0.1	0.02	5.5	0.1	<0.05	7	0.5
TSL 43150	Soil	0.037	9	25	0.42	220	0.065	2	1.82	0.011	0.07	<0.1	0.03	3.8	0.1	0.05	6	<0.5
TSL 43152	Soil	0.044	15	22	0.50	257	0.082	2	1.64	0.013	0.16	<0.1	0.02	4.8	0.2	<0.05	6	<0.5
TSL 43154	Soil	0.041	27	25	0.49	328	0.079	3	1.89	0.013	0.11	0.1	0.06	7.1	0.1	<0.05	7	0.8
TSL 43155	Soil	0.053	13	46	0.60	282	0.061	2	1.71	0.015	0.08	0.1	0.04	5.3	0.1	<0.05	6	0.7
TSL 43156	Soil	0.046	11	24	0.47	194	0.059	3	1.41	0.013	0.07	0.1	0.05	4.1	0.1	<0.05	5	<0.5
TSL 43158	Soil	0.053	18	25	0.45	257	0.049	2	1.49	0.015	0.08	0.1	0.04	4.6	0.1	<0.05	6	<0.5
TSL 43159	Soil	0.056	15	26	0.49	231	0.059	2	1.73	0.012	0.07	0.1	0.04	5.0	0.1	<0.05	6	<0.5
TSL 43160	Soil	0.050	17	28	0.45	286	0.069	2	1.73	0.013	0.11	0.1	0.04	4.6	<0.1	<0.05	6	<0.5
TSL 43161	Soil	0.044	19	28	0.45	252	0.082	<1	1.69	0.013	0.12	<0.1	0.01	4.2	<0.1	<0.05	5	<0.5
TSL 43162	Soil	0.028	11	30	0.40	166	0.065	2	1.60	0.014	0.09	<0.1	0.01	4.2	<0.1	<0.05	5	<0.5
TSL 43163	Soil	0.047	24	31	0.48	301	0.064	1	1.73	0.015	0.12	0.1	0.03	4.7	<0.1	<0.05	5	<0.5
TSL 43164	Soil	0.028	28	23	0.35	342	0.069	2	1.27	0.014	0.07	0.1	0.01	3.8	<0.1	<0.05	4	<0.5
TSL 43165	Soil	0.039	21	29	0.49	302	0.080	2	2.03	0.015	0.11	0.1	0.02	4.3	0.1	<0.05	7	<0.5



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## QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
TSL 43119	Soil		0.6	21.2	10.2	63	<0.1	29.3	13.3	344	3.19	6.9	0.9	1.0	6.7	18	<0.1	0.2	0.2	65	0.31
REP TSL 43119	QC		0.6	22.1	10.2	64	<0.1	28.2	13.4	358	3.28	7.1	0.8	2.5	6.6	17	<0.1	0.3	0.2	66	0.31
TSL 43551	Soil		0.6	21.2	25.5	52	<0.1	13.9	7.0	270	2.31	4.5	0.9	1.1	5.8	24	<0.1	0.3	0.1	49	0.28
REP TSL 43551	QC		0.5	20.6	26.0	52	<0.1	13.7	7.0	279	2.39	4.3	1.0	1.1	5.9	23	<0.1	0.3	0.1	49	0.28
TSL 43852	Soil		0.8	25.1	11.5	52	<0.1	15.8	8.6	397	2.63	6.2	1.4	1.8	6.3	31	0.1	0.4	0.2	52	0.40
REP TSL 43852	QC		0.8	26.5	11.8	55	<0.1	17.2	9.1	415	2.77	6.4	1.7	1.6	6.8	31	0.1	0.4	0.2	52	0.39
TSL 43351	Soil		1.8	57.7	30.9	139	<0.1	36.0	11.9	331	4.20	22.1	1.6	8.4	8.8	25	0.1	0.4	0.2	54	0.30
REP TSL 43351	QC		1.9	58.2	31.4	136	<0.1	35.2	11.9	332	4.22	23.0	1.6	5.2	8.9	25	0.2	0.5	0.2	57	0.29
TSL 43292	Soil		0.7	59.6	5.6	63	<0.1	18.8	14.4	366	3.25	5.8	0.9	4.0	3.2	25	<0.1	0.3	<0.1	86	0.34
REP TSL 43292	QC		0.7	60.3	5.6	62	<0.1	19.1	14.0	368	3.31	5.8	0.9	4.1	3.2	25	<0.1	0.3	0.1	88	0.35
TSL 43977	Soil		1.4	24.3	11.4	50	<0.1	20.2	9.5	273	3.40	10.7	1.2	5.0	7.3	16	<0.1	0.6	0.2	68	0.14
REP TSL 43977	QC		1.5	23.9	11.4	49	<0.1	19.9	9.5	277	3.42	10.7	1.1	2.8	7.5	16	<0.1	0.6	0.2	69	0.14
TSL 43995	Soil		0.9	24.5	11.3	42	<0.1	15.2	9.0	304	2.36	5.7	1.1	3.0	4.7	27	<0.1	0.4	0.1	50	0.34
REP TSL 43995	QC		0.8	22.6	10.5	42	<0.1	14.1	8.4	279	2.16	5.7	1.1	6.7	4.5	28	<0.1	0.4	0.1	47	0.33
TSL 42945	Soil		2.2	39.3	21.1	90	<0.1	30.6	13.3	420	4.09	108.7	1.0	1.2	3.8	21	0.1	1.4	0.3	52	0.12
REP TSL 42945	QC		2.2	39.0	20.7	89	<0.1	29.4	12.9	410	4.02	111.6	1.0	2.0	3.8	22	0.1	1.5	0.3	52	0.11
TSL 42819	Soil		0.8	11.4	9.7	77	<0.1	4.1	4.3	253	2.96	6.1	0.4	1.1	3.0	8	<0.1	0.3	0.1	51	0.07
REP TSL 42819	QC		1.0	12.7	9.6	76	<0.1	4.2	4.3	267	2.99	6.3	0.5	0.7	3.2	8	<0.1	0.2	0.1	50	0.07
TSL 43087	Soil		1.2	17.6	8.2	63	<0.1	12.2	6.8	230	2.60	9.1	0.6	1.7	0.9	15	0.1	0.2	0.2	65	0.19
REP TSL 43087	QC		1.2	16.8	7.8	60	<0.1	11.8	6.7	225	2.54	9.2	0.6	3.0	0.9	15	0.1	0.2	0.2	63	0.19
TSL 43207	Soil		1.0	18.3	8.9	69	<0.1	14.4	8.3	233	2.66	6.7	0.6	2.9	4.0	18	0.2	0.3	0.2	57	0.28
REP TSL 43207	QC		1.0	19.3	9.0	71	<0.1	14.6	7.8	222	2.66	6.8	0.6	7.2	4.1	19	0.2	0.2	0.2	57	0.29
TSL 43325	Soil		1.1	27.7	5.4	111	<0.1	19.7	17.5	694	5.61	2.8	0.5	0.5	2.2	13	<0.1	0.2	<0.1	96	0.19
REP TSL 43325	QC		1.1	27.3	5.4	105	<0.1	19.6	16.8	696	5.44	2.7	0.5	1.9	2.3	13	<0.1	0.2	<0.1	95	0.19
TSL 43003	Soil		0.8	24.0	5.1	41	<0.1	17.4	9.5	298	2.14	6.5	1.3	1.6	1.3	76	0.2	0.5	0.1	49	1.81
REP TSL 43003	QC		0.7	24.8	4.8	40	<0.1	16.1	9.3	292	2.04	6.4	1.3	1.5	1.2	75	0.1	0.5	0.1	48	1.76
TSL 43361	Soil		0.9	49.4	6.6	67	<0.1	34.8	14.7	422	2.84	4.7	1.3	3.1	4.4	28	0.2	0.2	0.1	67	0.69
REP TSL 43361	QC		0.9	52.8	6.8	70	<0.1	34.2	13.7	420	2.84	4.6	1.2	2.7	4.4	27	0.2	0.2	0.1	67	0.68



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## QUALITY CONTROL REPORT

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Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
Pulp Duplicates																		
TSL 43119	Soil	0.042	15	46	0.80	160	0.121	2	2.13	0.010	0.14	<0.1	<0.01	3.8	0.1	<0.05	7	<0.5
REP TSL 43119	QC	0.042	15	46	0.76	156	0.111	<1	1.98	0.009	0.14	<0.1	0.01	3.7	0.2	<0.05	7	<0.5
TSL 43551	Soil	0.020	19	26	0.43	286	0.083	<1	1.31	0.016	0.07	0.1	0.01	3.8	<0.1	<0.05	5	0.6
REP TSL 43551	QC	0.021	19	27	0.44	282	0.084	<1	1.32	0.017	0.07	0.1	0.02	3.8	<0.1	<0.05	5	0.5
TSL 43852	Soil	0.032	32	29	0.50	321	0.111	<1	1.59	0.015	0.10	0.1	0.02	4.9	0.1	<0.05	6	1.0
REP TSL 43852	QC	0.032	30	30	0.54	311	0.114	1	1.70	0.016	0.10	0.2	0.03	4.7	0.1	<0.05	6	0.8
TSL 43351	Soil	0.043	28	30	0.44	603	0.033	2	1.36	0.013	0.17	<0.1	0.15	7.1	0.2	<0.05	5	0.6
REP TSL 43351	QC	0.045	28	30	0.44	616	0.031	2	1.38	0.014	0.17	<0.1	0.17	7.1	0.2	<0.05	5	1.0
TSL 43292	Soil	0.020	15	31	0.85	273	0.161	<1	1.81	0.021	0.23	<0.1	0.01	5.5	0.1	<0.05	6	<0.5
REP TSL 43292	QC	0.021	15	31	0.85	273	0.160	<1	1.88	0.020	0.23	<0.1	0.01	5.2	0.1	<0.05	7	<0.5
TSL 43977	Soil	0.031	16	36	0.53	413	0.102	1	2.35	0.012	0.10	0.1	0.02	4.2	0.1	<0.05	8	<0.5
REP TSL 43977	QC	0.030	16	38	0.55	441	0.099	<1	2.41	0.012	0.10	0.1	<0.01	4.5	0.1	<0.05	7	<0.5
TSL 43995	Soil	0.035	18	28	0.45	245	0.080	6	1.39	0.015	0.04	0.2	0.03	4.0	<0.1	<0.05	4	<0.5
REP TSL 43995	QC	0.034	18	26	0.40	240	0.077	<1	1.33	0.018	0.04	0.1	0.02	3.9	<0.1	<0.05	4	<0.5
TSL 42945	Soil	0.053	18	26	0.24	156	0.018	<1	1.57	0.010	0.07	0.1	0.01	2.5	0.1	<0.05	5	<0.5
REP TSL 42945	QC	0.053	17	25	0.26	151	0.018	1	1.55	0.010	0.07	<0.1	0.01	2.5	0.1	0.06	5	0.5
TSL 42819	Soil	0.038	6	11	0.31	86	0.079	<1	1.16	0.011	0.23	<0.1	<0.01	3.7	0.1	<0.05	9	<0.5
REP TSL 42819	QC	0.040	6	12	0.31	83	0.082	1	1.25	0.008	0.23	<0.1	<0.01	3.9	0.2	<0.05	8	<0.5
TSL 43087	Soil	0.041	9	22	0.45	150	0.086	<1	1.44	0.011	0.10	0.1	0.02	2.6	<0.1	<0.05	6	<0.5
REP TSL 43087	QC	0.043	9	21	0.46	147	0.085	<1	1.46	0.011	0.10	0.1	0.02	2.7	<0.1	<0.05	7	<0.5
TSL 43207	Soil	0.036	15	23	0.45	199	0.078	2	1.54	0.016	0.08	0.2	0.02	3.6	<0.1	<0.05	5	<0.5
REP TSL 43207	QC	0.038	15	23	0.49	202	0.078	2	1.61	0.017	0.09	0.2	0.02	3.4	<0.1	<0.05	5	<0.5
TSL 43325	Soil	0.028	9	32	1.17	520	0.308	1	2.63	0.011	1.23	<0.1	0.01	8.0	0.4	<0.05	11	<0.5
REP TSL 43325	QC	0.028	9	31	1.19	535	0.301	<1	2.65	0.011	1.24	<0.1	0.01	7.7	0.4	<0.05	11	<0.5
TSL 43003	Soil	0.074	12	22	0.46	730	0.052	3	0.99	0.024	0.05	0.2	0.03	3.1	<0.1	0.09	3	1.2
REP TSL 43003	QC	0.074	12	23	0.46	716	0.050	3	1.03	0.021	0.06	0.1	0.04	3.0	<0.1	0.10	3	0.9
TSL 43361	Soil	0.079	16	68	1.01	304	0.076	1	1.69	0.018	0.07	0.1	0.03	4.5	<0.1	<0.05	5	<0.5
REP TSL 43361	QC	0.079	16	67	1.02	297	0.074	1	1.65	0.019	0.07	0.1	0.03	4.4	<0.1	0.06	6	<0.5



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Project: TSL  
Report Date: July 31, 2009

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## QUALITY CONTROL REPORT

VAN09003108.1

		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 42969	Soil		0.5	28.7	13.8	78	0.1	31.6	15.0	713	3.24	3.4	2.7	1.7	8.3	32	0.2	0.2	0.2	40	0.97
REP TSL 42969	QC		0.5	27.3	13.8	76	<0.1	30.2	14.6	712	3.23	3.7	2.6	1.4	8.3	32	0.2	0.1	0.2	40	0.98
TSL 43459	Soil		0.6	26.4	5.2	45	<0.1	14.2	11.6	609	2.65	4.3	0.3	0.9	1.4	19	<0.1	0.3	<0.1	65	0.29
REP TSL 43459	QC		0.6	24.5	5.1	44	<0.1	14.5	12.1	605	2.65	4.0	0.3	1.1	1.3	20	<0.1	0.2	<0.1	63	0.30
Reference Materials																					
STD DS7	Standard		22.2	110.6	66.2	411	0.9	54.1	9.5	630	2.43	51.2	4.9	66.2	4.4	81	6.6	6.5	4.7	85	0.95
STD DS7	Standard		21.6	110.6	68.2	384	0.9	53.4	9.4	614	2.37	50.0	5.3	67.7	4.7	74	6.7	6.2	4.7	83	0.97
STD DS7	Standard		20.3	103.3	69.1	392	0.8	56.8	9.6	625	2.43	51.5	4.9	84.0	4.1	73	6.2	5.7	4.6	84	0.97
STD DS7	Standard		19.0	105.1	64.0	386	0.8	54.5	9.3	601	2.38	50.6	4.6	58.5	3.8	69	6.2	5.3	4.3	83	0.93
STD DS7	Standard		21.6	118.7	70.4	421	0.9	59.6	10.1	645	2.57	54.1	5.4	57.5	4.9	79	7.1	6.2	4.8	86	1.00
STD DS7	Standard		22.4	117.1	72.2	417	0.8	61.5	10.2	683	2.54	52.6	5.5	98.1	4.8	86	6.9	6.4	5.0	87	0.94
STD DS7	Standard		20.0	105.5	66.2	385	0.8	55.6	9.2	631	2.41	52.3	4.7	56.7	3.9	73	6.4	5.6	4.4	80	0.93
STD DS7	Standard		20.0	102.9	65.8	398	0.8	56.2	9.3	635	2.47	52.7	4.7	64.1	3.7	74	6.5	5.8	4.4	81	0.94
STD DS7	Standard		20.6	103.4	65.9	386	0.8	55.4	9.6	623	2.43	51.4	4.8	59.5	3.8	74	6.0	5.7	4.4	83	0.96
STD DS7	Standard		19.7	105.7	67.5	375	0.8	51.8	8.9	627	2.32	50.2	5.0	78.8	4.8	82	6.9	6.1	4.7	81	0.96
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





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Project: TSL

Report Date: July 31, 2009

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## QUALITY CONTROL REPORT

VAN09003108.1

		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 42969	Soil	0.073	59	36	0.70	145	0.076	2	1.48	0.012	0.21	0.1	0.04	3.8	0.2	0.07	6	0.9
REP TSL 42969	QC	0.070	57	36	0.70	142	0.079	2	1.46	0.012	0.21	<0.1	0.04	3.9	0.2	0.05	5	1.1
TSL 43459	Soil	0.036	6	28	0.58	262	0.084	<1	1.59	0.020	0.08	<0.1	<0.01	3.6	<0.1	<0.05	5	<0.5
REP TSL 43459	QC	0.034	6	29	0.59	263	0.085	<1	1.61	0.020	0.08	<0.1	0.02	3.7	<0.1	<0.05	6	<0.5
Reference Materials																		
STD DS7	Standard	0.081	14	208	1.06	427	0.126	41	1.02	0.098	0.46	4.0	0.20	2.5	4.4	0.18	5	3.6
STD DS7	Standard	0.075	14	201	0.99	410	0.126	35	0.96	0.094	0.45	3.8	0.20	2.6	4.1	0.18	5	4.0
STD DS7	Standard	0.081	12	222	1.04	398	0.112	43	1.05	0.105	0.48	3.8	0.18	3.0	4.3	0.17	5	3.6
STD DS7	Standard	0.079	12	211	1.01	378	0.105	38	1.00	0.099	0.48	3.5	0.17	2.7	3.9	0.20	4	3.3
STD DS7	Standard	0.080	15	216	1.11	414	0.136	41	1.10	0.102	0.46	4.2	0.19	2.8	4.5	0.17	5	3.2
STD DS7	Standard	0.076	15	221	1.07	424	0.138	42	1.12	0.101	0.44	3.7	0.22	2.7	4.5	0.17	5	4.1
STD DS7	Standard	0.078	13	210	1.00	412	0.113	39	1.03	0.103	0.45	3.9	0.19	2.7	4.2	0.19	5	3.5
STD DS7	Standard	0.079	13	213	1.02	414	0.114	41	1.02	0.104	0.46	3.8	0.19	2.5	4.1	0.20	5	4.0
STD DS7	Standard	0.074	13	209	1.00	414	0.114	38	1.02	0.099	0.45	3.6	0.17	2.5	4.3	0.12	5	3.3
STD DS7	Standard	0.082	15	201	1.02	414	0.129	39	1.05	0.103	0.47	3.7	0.19	2.8	4.3	0.16	5	4.0
STD DS7 Expected		0.08	12	179	1.05	370	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5