



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Submitted By: Rob McLeod
Receiving Lab: Canada-Vancouver
Received: July 14, 2009
Report Date: July 24, 2009
Page: 1 of 13

CERTIFICATE OF ANALYSIS

VAN09002984.1

CLIENT JOB INFORMATION

Project: TSL
Shipment ID:
P.O. Number
Number of Samples: 360

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	360	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	360	Dry at 60C			VAN
1DX15	360	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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	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 38234	Soil		1.4	30.9	6.3	45	<0.1	10.2	13.2	401	2.53	5.4	0.6	4.1	1.6	21	<0.1	0.2	<0.1	66	0.34
TSL 40556	Soil		0.7	37.5	5.5	70	<0.1	22.0	15.0	394	3.33	9.3	0.5	<0.5	2.8	26	<0.1	0.3	<0.1	80	0.30
TSL 40951	Soil		0.9	30.8	18.6	63	<0.1	13.9	15.0	809	4.18	5.7	0.5	1.0	2.3	18	<0.1	0.4	0.1	92	0.28
TSL 40974	Soil		0.4	23.4	18.8	39	<0.1	10.4	8.0	261	2.52	4.4	1.0	1.7	5.3	15	<0.1	0.4	0.1	43	0.35
TSL 40101	Soil		1.3	24.7	15.0	82	0.3	10.7	7.7	283	2.67	7.2	0.5	6.2	1.8	18	0.2	0.3	0.1	51	0.19
TSL 40096	Soil		1.0	28.6	78.9	125	<0.1	10.8	14.5	1290	3.51	3.4	0.8	3.5	1.9	23	0.2	0.2	0.7	62	0.28
TSL 42708	Soil		1.2	31.2	58.9	81	0.1	15.3	8.4	283	2.79	5.9	0.5	1.7	2.4	26	0.2	0.3	0.2	54	0.28
TSL 42514	Soil		1.0	40.7	11.2	94	0.1	13.4	13.4	360	3.57	10.1	0.6	3.4	2.1	30	0.2	0.3	0.2	66	0.43
TSL 42515	Soil		1.0	32.5	22.2	73	<0.1	10.7	11.2	403	3.18	4.9	0.6	3.3	2.2	18	<0.1	0.2	0.1	57	0.29
TSL 42517	Soil		0.6	42.8	29.7	90	0.1	21.5	16.2	549	3.17	5.8	0.9	4.6	2.9	33	0.4	0.3	0.2	56	0.50
TSL 42518	Soil		0.8	38.4	45.5	85	<0.1	16.1	11.9	464	3.34	5.9	0.7	1.4	4.0	24	0.1	0.2	0.2	58	0.38
TSL 42519	Soil		0.8	24.9	49.4	59	<0.1	9.2	10.2	384	2.65	3.4	0.7	1.3	2.1	15	<0.1	0.2	0.2	44	0.20
TSL 42520	Soil		0.8	22.0	26.2	69	<0.1	13.0	11.1	472	2.79	5.4	0.6	11.3	3.1	16	<0.1	0.2	0.1	47	0.21
TSL 42521	Soil		0.9	25.9	30.4	75	<0.1	14.5	9.3	324	2.88	5.2	0.7	1.1	3.7	19	0.2	0.2	0.2	55	0.24
TSL 40752	Soil		1.2	40.8	8.0	77	0.1	22.6	13.0	221	3.41	18.7	0.7	12.5	4.7	16	<0.1	0.3	0.1	74	0.19
TSL 39496	Soil		0.7	21.3	24.3	56	0.1	8.0	3.7	101	1.94	3.5	0.7	3.7	0.6	17	0.2	0.1	0.2	27	0.15
TSL 39497	Soil		1.0	65.7	17.5	86	0.2	11.0	6.9	355	2.67	3.7	0.9	6.3	1.5	25	0.2	0.2	0.2	45	0.28
TSL 39498	Soil		1.0	108.5	29.6	107	<0.1	10.3	10.6	345	3.21	5.9	0.4	2.9	1.4	18	0.4	0.2	0.4	61	0.22
TSL 39499	Soil		0.8	92.8	16.6	151	<0.1	7.4	8.0	276	2.50	2.8	0.4	1.8	0.9	17	0.4	0.2	0.2	39	0.37
TSL 39500	Soil		0.8	57.7	36.1	126	0.1	10.9	9.6	317	2.67	4.8	0.4	3.3	1.7	23	0.6	0.2	0.2	49	0.31
TSL 42136	Soil		0.8	52.6	60.9	165	<0.1	10.2	12.7	504	3.12	3.6	0.4	2.3	1.6	21	0.5	0.2	0.3	49	0.33
TSL 42137	Soil		0.8	48.4	25.9	95	<0.1	10.6	8.9	280	2.84	5.0	0.4	3.0	1.8	23	0.1	0.2	0.2	46	0.27
TSL 42138	Soil		1.7	72.8	29.1	156	0.1	8.5	9.5	356	2.66	5.6	0.7	3.7	2.9	16	0.1	0.2	0.3	40	0.17
TSL 42139	Soil		2.4	619.2	29.6	348	0.3	8.1	7.6	364	4.42	5.2	0.5	6.5	1.9	25	0.1	0.2	0.5	79	0.17
TSL 42140	Soil		1.1	170.5	21.4	138	0.6	11.6	7.0	204	2.72	4.6	0.9	9.5	1.2	37	0.3	0.2	0.3	42	0.30
TSL 42141	Soil		0.9	133.9	16.8	160	0.4	9.8	5.9	171	2.11	3.8	0.8	6.8	1.1	22	0.3	0.2	0.3	37	0.21
TSL 42142	Soil		0.7	63.0	19.7	211	0.1	16.5	10.4	483	3.09	4.0	0.6	3.0	2.1	20	0.4	<0.1	0.1	45	0.35
TSL 42143	Soil		0.5	28.0	15.0	92	<0.1	11.3	8.7	486	2.63	5.0	0.7	2.4	2.6	18	0.1	0.2	0.2	41	0.32
TSL 42144	Soil		0.6	38.6	12.2	130	<0.1	17.0	12.1	517	3.55	4.3	0.5	1.0	2.1	25	<0.1	0.2	0.1	77	0.40
TSL 40944	Soil		0.9	28.6	7.9	36	<0.1	15.9	7.5	192	2.35	6.9	0.4	2.2	1.5	16	<0.1	0.4	0.2	67	0.18



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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	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 38234	Soil	0.053	8	19	0.50	248	0.077	1	1.17	0.022	0.09	0.1	0.04	3.8	<0.1	<0.05	4	<0.5
TSL 40556	Soil	0.017	10	64	0.91	357	0.141	<1	1.78	0.014	0.25	<0.1	0.02	4.2	0.2	<0.05	6	<0.5
TSL 40951	Soil	0.041	8	20	0.40	389	0.033	2	1.41	0.011	0.21	<0.1	0.01	8.1	0.1	<0.05	6	<0.5
TSL 40974	Soil	0.076	9	18	0.49	217	0.049	1	1.10	0.013	0.21	<0.1	0.01	4.9	<0.1	<0.05	4	<0.5
TSL 40101	Soil	0.049	7	23	0.43	139	0.081	<1	1.31	0.023	0.08	<0.1	0.03	3.0	<0.1	0.11	5	<0.5
TSL 40096	Soil	0.089	14	24	0.50	371	0.055	<1	1.39	0.016	0.15	<0.1	0.03	5.8	<0.1	<0.05	6	<0.5
TSL 42708	Soil	0.030	10	27	0.56	524	0.083	<1	1.37	0.015	0.07	<0.1	0.02	3.8	<0.1	<0.05	5	<0.5
TSL 42514	Soil	0.053	8	31	0.63	341	0.065	2	1.42	0.019	0.13	<0.1	0.06	6.0	0.2	0.07	5	0.7
TSL 42515	Soil	0.044	9	20	0.55	281	0.123	1	1.32	0.016	0.26	<0.1	0.02	4.5	0.1	<0.05	6	<0.5
TSL 42517	Soil	0.056	18	28	0.63	327	0.097	1	1.56	0.025	0.17	<0.1	0.03	5.7	<0.1	<0.05	6	0.6
TSL 42518	Soil	0.040	12	35	0.74	261	0.113	1	1.65	0.014	0.21	<0.1	0.01	5.6	0.1	<0.05	8	<0.5
TSL 42519	Soil	0.046	13	18	0.49	260	0.113	<1	1.31	0.015	0.26	<0.1	0.02	4.4	0.1	<0.05	7	<0.5
TSL 42520	Soil	0.032	11	22	0.58	208	0.100	1	1.40	0.013	0.17	0.1	0.02	4.2	0.1	<0.05	6	<0.5
TSL 42521	Soil	0.032	12	23	0.65	254	0.102	<1	1.49	0.012	0.15	0.1	0.02	3.7	<0.1	<0.05	5	<0.5
TSL 40752	Soil	0.018	15	28	0.71	205	0.099	<1	2.02	0.011	0.19	<0.1	0.02	3.8	0.1	<0.05	6	<0.5
TSL 39496	Soil	0.048	8	15	0.25	125	0.046	1	1.11	0.013	0.07	<0.1	0.06	2.4	<0.1	0.06	5	<0.5
TSL 39497	Soil	0.051	12	19	0.43	265	0.062	2	1.39	0.016	0.09	<0.1	0.04	4.6	<0.1	<0.05	5	<0.5
TSL 39498	Soil	0.044	5	21	0.54	141	0.110	<1	1.56	0.016	0.14	<0.1	0.01	3.3	<0.1	<0.05	6	<0.5
TSL 39499	Soil	0.075	6	12	0.48	166	0.065	<1	1.09	0.025	0.07	<0.1	0.01	3.9	<0.1	<0.05	4	<0.5
TSL 39500	Soil	0.044	8	21	0.51	254	0.091	<1	1.34	0.017	0.09	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5
TSL 42136	Soil	0.058	6	15	0.59	289	0.120	1	1.38	0.014	0.24	<0.1	0.01	3.7	0.2	<0.05	6	<0.5
TSL 42137	Soil	0.036	8	18	0.45	211	0.092	<1	1.33	0.016	0.12	<0.1	0.01	4.0	<0.1	<0.05	5	<0.5
TSL 42138	Soil	0.026	12	15	0.38	270	0.079	<1	1.25	0.013	0.22	<0.1	0.02	3.9	0.1	0.06	6	<0.5
TSL 42139	Soil	0.025	9	13	0.92	505	0.139	1	2.05	0.029	0.57	<0.1	0.02	6.4	0.4	0.36	9	0.8
TSL 42140	Soil	0.051	14	16	0.40	898	0.068	<1	1.39	0.021	0.15	<0.1	0.06	4.8	0.2	0.12	6	0.7
TSL 42141	Soil	0.035	11	16	0.33	427	0.061	2	1.30	0.014	0.08	<0.1	0.06	4.1	0.2	0.08	6	<0.5
TSL 42142	Soil	0.081	12	24	0.50	278	0.080	<1	1.25	0.010	0.24	<0.1	0.03	5.0	0.1	<0.05	6	<0.5
TSL 42143	Soil	0.041	15	18	0.43	256	0.066	1	1.16	0.012	0.10	0.1	0.02	4.7	<0.1	<0.05	5	<0.5
TSL 42144	Soil	0.039	14	49	1.22	313	0.133	1	1.84	0.014	0.26	<0.1	0.01	6.0	0.1	0.06	6	<0.5
TSL 40944	Soil	0.026	7	33	0.35	156	0.065	<1	1.35	0.014	0.04	<0.1	<0.01	2.4	<0.1	<0.05	5	<0.5



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	Method Analyte	Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	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 40945	Soil			0.6	64.2	5.2	97	<0.1	16.1	16.2	516	3.86	2.9	0.5	2.3	2.6	11	0.1	0.1	<0.1	104
TSL 40946	Soil			0.5	60.5	6.8	118	<0.1	12.5	20.8	486	4.67	10.3	0.6	<0.5	4.2	17	<0.1	0.2	<0.1	106
TSL 40947	Soil			0.3	130.8	10.7	107	<0.1	24.5	32.5	663	5.86	2.6	0.3	<0.5	1.5	14	<0.1	0.1	<0.1	170
TSL 40948	Soil			0.9	44.8	6.3	106	<0.1	12.2	19.9	624	4.81	14.0	0.4	<0.5	2.7	10	0.1	0.3	<0.1	123
TSL 40696	Soil			0.9	37.9	4.5	35	<0.1	9.3	9.1	191	2.82	7.7	0.6	1.1	2.1	20	<0.1	0.2	<0.1	54
TSL 40697	Soil			0.8	10.4	7.4	40	<0.1	18.1	8.8	156	2.85	6.9	0.2	0.9	1.5	11	<0.1	0.5	0.1	71
TSL 40698	Soil			0.8	20.0	7.6	44	<0.1	20.0	10.3	275	2.97	9.0	0.5	2.2	3.0	22	<0.1	0.4	0.1	65
TSL 40700	Soil			0.7	17.0	6.5	27	<0.1	29.3	9.0	134	2.29	6.9	0.4	<0.5	1.5	12	<0.1	0.3	0.1	56
TSL 40701	Soil			0.5	47.9	4.9	37	<0.1	32.0	12.5	246	2.48	4.8	0.5	4.5	2.1	18	<0.1	0.2	<0.1	66
TSL 40711	Soil			0.2	102.8	5.5	64	<0.1	59.7	19.7	371	4.22	5.5	0.3	<0.5	2.0	28	<0.1	0.3	<0.1	140
TSL 40712	Soil			0.5	64.4	5.0	71	<0.1	16.0	12.8	363	3.44	5.0	0.5	0.6	2.4	32	<0.1	0.3	<0.1	72
TSL 40713	Soil			2.7	52.2	3.2	24	<0.1	21.8	14.2	219	4.47	11.3	0.6	1.3	2.2	12	0.1	0.1	<0.1	163
TSL 38341	Soil			0.9	28.6	5.3	38	<0.1	17.7	14.9	245	3.54	5.9	0.5	2.2	1.9	21	<0.1	0.3	0.1	81
TSL 38342	Soil			0.7	163.4	5.6	45	<0.1	11.9	13.2	212	2.81	4.6	0.4	0.9	1.0	16	<0.1	0.2	0.1	67
TSL 38343	Soil			0.9	27.0	12.4	64	<0.1	9.6	8.0	365	3.07	6.4	0.5	1.8	0.6	15	<0.1	0.2	0.2	61
TSL 38344	Soil			0.6	45.0	6.8	53	<0.1	8.1	16.9	377	4.67	9.5	0.4	0.9	1.1	20	<0.1	0.1	<0.1	87
TSL 38345	Soil			1.4	28.0	10.6	88	<0.1	15.0	15.6	333	4.37	16.6	0.6	0.8	2.4	28	0.1	0.2	0.2	62
TSL 38346	Soil			2.7	188.9	4.1	49	<0.1	11.7	18.9	208	4.79	5.6	0.5	<0.5	1.2	28	<0.1	0.2	0.1	119
TSL 38347	Soil			2.4	122.2	9.3	59	<0.1	12.3	13.4	241	3.05	7.1	0.5	<0.5	1.9	14	<0.1	0.2	0.1	84
TSL 38348	Soil			1.7	179.6	18.0	211	<0.1	17.6	27.8	717	4.58	11.2	0.8	1.1	3.2	19	0.4	0.4	0.1	125
TSL 42692	Soil			0.8	27.3	11.8	78	0.1	8.8	6.7	349	2.54	7.2	0.7	1.5	2.5	13	0.1	0.2	0.2	39
TSL 42693	Soil			1.0	56.3	21.3	84	0.3	9.2	6.8	333	2.86	8.2	0.6	3.0	2.7	15	<0.1	0.3	0.6	44
TSL 42694	Soil			0.6	22.1	10.1	47	<0.1	7.6	3.3	100	1.70	4.6	0.6	0.6	1.1	13	<0.1	0.2	0.2	29
TSL 42695	Soil			1.1	176.7	52.2	159	<0.1	9.7	7.2	373	3.22	5.3	0.7	1.8	3.2	15	0.2	0.3	0.6	32
TSL 42696	Soil			0.9	50.7	57.0	276	<0.1	9.3	6.7	742	2.94	5.7	0.4	<0.5	2.7	20	0.1	0.2	0.4	30
TSL 42697	Soil			0.8	80.0	40.0	148	<0.1	9.1	7.0	364	3.34	10.4	0.6	1.3	2.3	16	0.1	0.2	0.3	47
TSL 42698	Soil			0.8	209.8	29.5	178	0.3	10.8	10.1	377	3.77	6.1	0.7	8.1	2.8	38	0.2	0.3	0.4	62
TSL 42699	Soil			0.9	149.0	44.4	241	0.1	11.6	10.8	388	3.31	6.0	0.7	6.7	2.7	22	0.3	0.2	0.2	47
TSL 42700	Soil			1.0	136.7	37.9	153	0.1	11.9	9.2	280	2.98	6.8	0.7	8.1	2.6	21	0.3	0.2	0.2	49
TSL 42701	Soil			0.9	172.1	42.8	227	0.3	9.6	7.4	329	2.93	7.5	0.9	4.9	2.7	29	0.5	0.2	0.2	50



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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 40945	Soil	0.049	6	25	1.59	184	0.191	<1	2.63	0.017	0.76	<0.1	<0.01	3.7	0.3	<0.05	8	<0.5
TSL 40946	Soil	0.036	10	14	1.02	294	0.197	<1	2.22	0.012	0.85	<0.1	<0.01	4.1	0.3	<0.05	7	<0.5
TSL 40947	Soil	0.054	4	24	1.89	397	0.270	<1	3.03	0.018	1.34	<0.1	<0.01	7.9	0.4	<0.05	11	<0.5
TSL 40948	Soil	0.056	7	21	0.88	236	0.109	2	1.95	0.020	0.39	<0.1	0.01	6.6	0.2	<0.05	8	<0.5
TSL 40696	Soil	0.034	9	15	0.59	493	0.078	<1	1.30	0.016	0.15	0.1	<0.01	3.8	<0.1	<0.05	5	0.5
TSL 40697	Soil	0.030	5	29	0.50	190	0.060	<1	1.81	0.010	0.05	<0.1	<0.01	2.0	<0.1	<0.05	6	<0.5
TSL 40698	Soil	0.033	7	33	0.54	265	0.090	<1	1.62	0.015	0.08	0.1	0.02	2.8	<0.1	<0.05	5	0.5
TSL 40700	Soil	0.040	9	54	0.49	189	0.073	<1	1.30	0.014	0.05	0.1	<0.01	1.8	<0.1	<0.05	5	<0.5
TSL 40701	Soil	0.051	9	62	0.79	259	0.097	1	1.55	0.017	0.08	0.1	<0.01	2.7	<0.1	<0.05	5	<0.5
TSL 40711	Soil	0.056	15	76	1.51	246	0.231	<1	2.20	0.020	0.16	<0.1	<0.01	4.3	<0.1	<0.05	8	0.6
TSL 40712	Soil	0.032	7	21	0.95	227	0.177	1	1.86	0.012	0.43	<0.1	<0.01	2.3	0.2	<0.05	6	0.5
TSL 40713	Soil	0.085	8	21	1.37	183	0.148	<1	2.24	0.018	0.59	<0.1	<0.01	4.9	0.2	<0.05	8	1.6
TSL 38341	Soil	0.035	6	29	0.58	179	0.078	<1	1.78	0.029	0.11	<0.1	0.01	4.0	<0.1	0.05	5	0.7
TSL 38342	Soil	0.050	4	19	0.49	124	0.083	<1	1.35	0.020	0.09	<0.1	<0.01	2.8	<0.1	<0.05	5	0.6
TSL 38343	Soil	0.057	7	20	0.45	183	0.097	1	1.37	0.012	0.25	<0.1	0.01	2.5	0.1	<0.05	7	<0.5
TSL 38344	Soil	0.052	7	10	0.84	285	0.173	<1	1.75	0.023	0.54	<0.1	<0.01	5.4	0.2	<0.05	7	0.6
TSL 38345	Soil	0.039	9	23	0.61	257	0.118	1	1.96	0.016	0.27	<0.1	0.01	4.8	<0.1	<0.05	7	<0.5
TSL 38346	Soil	0.048	16	27	1.01	580	0.162	<1	2.02	0.023	0.46	<0.1	<0.01	5.3	<0.1	0.18	9	0.8
TSL 38347	Soil	0.042	8	23	0.60	204	0.136	<1	1.60	0.015	0.15	<0.1	<0.01	3.4	<0.1	<0.05	7	<0.5
TSL 38348	Soil	0.051	11	30	0.77	310	0.130	<1	1.79	0.025	0.28	<0.1	0.01	6.5	0.2	0.05	7	0.7
TSL 42692	Soil	0.036	10	16	0.29	160	0.060	1	1.04	0.009	0.09	<0.1	0.03	2.1	<0.1	<0.05	4	0.7
TSL 42693	Soil	0.039	9	16	0.35	138	0.070	<1	1.15	0.012	0.09	0.1	0.05	2.0	<0.1	0.06	5	0.5
TSL 42694	Soil	0.034	7	15	0.24	86	0.045	<1	0.91	0.010	0.04	0.1	0.03	1.7	<0.1	<0.05	4	<0.5
TSL 42695	Soil	0.021	9	15	0.51	236	0.083	<1	1.53	0.010	0.36	<0.1	0.01	3.7	0.1	<0.05	7	0.6
TSL 42696	Soil	0.020	5	14	0.43	307	0.092	1	1.34	0.014	0.37	<0.1	<0.01	3.2	0.2	<0.05	6	<0.5
TSL 42697	Soil	0.015	10	15	0.48	345	0.096	<1	1.36	0.012	0.21	<0.1	<0.01	4.1	0.1	<0.05	6	<0.5
TSL 42698	Soil	0.020	8	19	0.54	483	0.104	<1	1.55	0.033	0.24	<0.1	0.03	4.8	0.2	0.11	6	1.0
TSL 42699	Soil	0.024	14	18	0.49	462	0.100	<1	1.48	0.017	0.21	<0.1	0.03	4.5	0.1	<0.05	6	0.5
TSL 42700	Soil	0.019	15	20	0.42	465	0.081	<1	1.55	0.014	0.13	<0.1	0.02	4.7	<0.1	<0.05	6	<0.5
TSL 42701	Soil	0.020	16	18	0.49	763	0.072	2	1.43	0.017	0.13	<0.1	0.04	6.2	0.2	<0.05	6	<0.5



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	Method Analyte	Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
			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 42702	Soil			1.3	213.8	48.5	478	0.2	11.9	9.6	559	3.29	7.5	0.7	8.3	2.8	20	0.8	0.2	0.3	37
TSL 42703	Soil			0.7	111.5	14.1	203	<0.1	13.0	13.0	522	3.51	6.5	0.4	2.2	1.9	25	0.3	0.2	<0.1	65
TSL 42704	Soil			0.9	55.7	20.5	105	0.3	22.2	12.9	376	3.38	4.7	0.4	5.8	1.6	23	<0.1	0.2	0.1	86
TSL 42705	Soil			0.6	55.0	16.6	69	<0.1	46.8	17.3	534	3.90	3.4	0.4	1.0	3.0	57	0.1	0.2	<0.1	85
TSL 42706	Soil			0.8	94.8	26.9	527	<0.1	54.9	21.0	680	3.44	5.6	0.4	2.8	1.6	26	0.9	0.2	0.1	95
TSL 42707	Soil			0.8	51.4	60.2	123	<0.1	17.2	13.9	445	3.71	6.8	0.6	1.6	2.7	25	0.2	0.4	0.2	79
TSL 42444	Soil			0.9	27.4	21.3	107	0.2	15.5	9.1	356	3.05	5.6	1.3	18.6	2.8	23	0.2	0.2	0.2	66
TSL 42445	Soil			0.5	21.6	15.2	75	0.1	11.5	3.9	162	2.00	3.4	0.9	2.0	1.3	18	0.2	0.2	0.2	36
TSL 42447	Soil			1.0	34.3	33.4	97	0.3	10.5	9.9	679	3.05	10.0	0.8	3.4	0.8	18	0.2	0.2	0.3	49
TSL 42448	Soil			2.0	30.9	36.0	82	<0.1	18.3	8.7	238	3.29	9.7	0.6	23.3	3.8	13	0.1	0.4	0.2	64
TSL 42449	Soil			1.9	19.7	24.0	93	<0.1	9.2	4.1	228	2.78	7.2	0.4	9.4	1.1	13	0.2	0.3	0.2	59
TSL 42450	Soil			1.5	22.0	37.6	97	<0.1	13.8	6.0	229	3.92	10.4	0.4	2.0	1.9	13	0.2	0.4	0.3	80
TSL 42451	Soil			1.4	26.6	24.7	127	0.1	10.8	6.0	286	3.01	9.0	0.6	2.2	2.2	18	0.2	0.3	0.2	55
TSL 42452	Soil			0.8	24.3	15.5	89	0.2	11.1	5.7	193	2.43	4.8	0.6	1.9	1.4	19	0.2	0.2	0.2	45
TSL 42453	Soil			0.7	25.8	12.0	109	0.1	11.5	7.1	250	2.50	4.7	0.6	2.4	1.6	20	0.1	0.3	0.1	49
TSL 42454	Soil			0.9	31.2	10.7	99	<0.1	12.2	9.0	305	2.74	5.5	0.6	1.8	2.0	20	0.1	0.3	0.1	59
TSL 42455	Soil			0.8	21.5	10.9	79	<0.1	13.4	10.6	449	2.80	6.5	0.7	3.2	2.0	16	0.1	0.3	0.2	60
TSL 42456	Soil			0.8	16.6	9.7	66	<0.1	12.7	7.2	283	2.29	6.4	0.6	2.2	2.0	18	0.2	0.3	0.2	53
TSL 42457	Soil			0.6	20.6	13.0	78	<0.1	16.7	9.4	299	2.85	5.8	0.8	3.3	3.3	20	0.1	0.3	0.2	58
TSL 42458	Soil			0.6	27.5	12.0	128	0.1	13.0	7.9	528	2.82	18.5	0.8	5.9	3.5	36	0.2	0.5	0.1	51
TSL 42459	Soil			1.6	105.7	11.0	116	0.1	11.8	14.1	332	4.21	5.6	0.4	<0.5	1.4	29	0.5	0.3	0.1	66
TSL 42460	Soil			1.0	183.5	58.5	294	0.1	21.0	14.9	564	5.04	25.1	1.2	3.2	4.5	32	0.3	0.3	0.5	85
TSL 42461	Soil			1.0	193.4	57.6	294	0.1	19.1	15.3	553	4.89	24.5	1.2	4.5	3.9	31	0.3	0.2	0.5	77
TSL 40577	Soil			0.8	13.0	24.2	60	<0.1	13.4	10.4	544	2.67	5.7	0.7	14.4	2.7	23	0.1	0.3	0.2	55
TSL 40578	Soil			0.9	12.4	33.2	48	<0.1	11.1	6.8	238	2.23	4.7	0.7	0.7	2.3	20	0.1	0.3	0.3	45
TSL 40579	Soil			1.0	15.0	45.1	56	0.1	11.0	8.6	313	2.49	5.1	1.0	3.6	2.6	25	<0.1	0.3	0.3	47
TSL 40580	Soil			0.8	11.8	46.6	54	0.1	9.8	6.9	265	2.12	3.9	0.8	3.0	2.2	33	0.2	0.2	0.4	44
TSL 40581	Soil			0.7	12.5	42.6	54	<0.1	10.9	10.1	418	2.50	5.4	0.7	11.7	2.3	26	0.1	0.2	0.3	52
TSL 40582	Soil			1.0	24.1	29.6	92	0.2	14.0	10.7	1126	2.72	6.5	2.7	1.6	2.4	202	0.3	0.3	0.2	51
TSL 40583	Soil			0.9	23.7	20.8	76	0.1	11.9	7.0	280	2.48	6.6	0.9	3.0	3.2	31	0.1	0.3	0.2	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	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 42702	Soil	0.020	14	21	0.56	487	0.075	2	1.40	0.011	0.19	<0.1	0.03	4.9	0.2	<0.05	6	0.8
TSL 42703	Soil	0.039	7	17	0.60	354	0.102	1	1.45	0.016	0.28	<0.1	<0.01	4.5	0.2	<0.05	6	<0.5
TSL 42704	Soil	0.023	8	49	1.10	422	0.157	<1	1.96	0.016	0.16	<0.1	0.02	4.2	0.2	<0.05	7	<0.5
TSL 42705	Soil	0.040	6	106	1.72	326	0.184	2	2.34	0.023	0.54	0.1	0.01	5.2	0.2	<0.05	9	<0.5
TSL 42706	Soil	0.050	7	120	1.62	489	0.142	1	2.19	0.019	0.32	<0.1	0.01	6.0	<0.1	<0.05	7	0.6
TSL 42707	Soil	0.046	10	32	0.69	326	0.114	2	1.95	0.021	0.12	<0.1	0.02	4.7	<0.1	<0.05	7	0.5
TSL 42444	Soil	0.056	17	33	0.78	244	0.087	2	1.80	0.017	0.07	0.2	0.04	5.5	0.1	<0.05	7	0.8
TSL 42445	Soil	0.049	12	25	0.47	175	0.049	2	1.25	0.012	0.05	0.2	0.04	3.0	0.1	<0.05	6	0.6
TSL 42447	Soil	0.058	10	24	0.43	185	0.040	2	1.52	0.013	0.08	0.1	0.06	3.8	0.1	<0.05	7	0.7
TSL 42448	Soil	0.021	9	33	0.44	192	0.070	2	2.80	0.009	0.06	0.1	0.02	4.3	0.2	<0.05	8	<0.5
TSL 42449	Soil	0.028	8	16	0.24	212	0.070	2	1.21	0.010	0.08	0.1	0.02	3.5	<0.1	<0.05	9	<0.5
TSL 42450	Soil	0.031	6	26	0.40	168	0.073	1	1.94	0.009	0.07	0.1	0.02	3.6	<0.1	<0.05	9	<0.5
TSL 42451	Soil	0.035	10	22	0.40	170	0.090	2	1.74	0.013	0.09	<0.1	0.02	5.1	0.1	<0.05	9	0.6
TSL 42452	Soil	0.039	8	20	0.43	164	0.078	2	1.51	0.015	0.07	0.1	0.03	3.2	<0.1	<0.05	6	<0.5
TSL 42453	Soil	0.033	8	19	0.50	215	0.085	2	1.65	0.015	0.11	0.1	0.03	3.2	<0.1	<0.05	6	<0.5
TSL 42454	Soil	0.033	8	21	0.50	171	0.095	1	1.48	0.015	0.09	0.2	0.02	3.4	<0.1	<0.05	7	<0.5
TSL 42455	Soil	0.041	10	24	0.46	173	0.074	2	1.51	0.014	0.05	0.1	0.02	3.5	<0.1	<0.05	6	<0.5
TSL 42456	Soil	0.045	10	23	0.39	133	0.072	2	1.41	0.014	0.06	0.2	0.03	2.7	<0.1	<0.05	6	<0.5
TSL 42457	Soil	0.050	14	23	0.51	199	0.073	2	1.61	0.016	0.10	0.1	0.02	3.7	<0.1	<0.05	6	<0.5
TSL 42458	Soil	0.061	11	22	0.69	262	0.079	2	1.47	0.022	0.22	0.2	0.04	4.8	<0.1	0.05	6	<0.5
TSL 42459	Soil	0.020	9	15	0.61	109	0.062	1	1.71	0.018	0.14	<0.1	0.01	4.8	<0.1	<0.05	8	<0.5
TSL 42460	Soil	0.046	15	47	1.28	438	0.135	1	2.11	0.019	0.60	<0.1	0.02	7.7	0.4	0.08	10	0.9
TSL 42461	Soil	0.042	15	47	1.20	404	0.136	1	2.20	0.019	0.54	<0.1	0.02	7.5	0.3	0.11	9	0.9
TSL 40577	Soil	0.059	9	22	0.51	189	0.085	2	1.39	0.015	0.08	0.2	0.03	2.8	<0.1	<0.05	6	<0.5
TSL 40578	Soil	0.043	10	18	0.47	203	0.077	1	1.30	0.014	0.07	0.2	0.03	2.5	0.1	<0.05	6	<0.5
TSL 40579	Soil	0.046	12	21	0.45	263	0.091	2	1.56	0.016	0.09	0.2	0.04	3.5	<0.1	<0.05	6	<0.5
TSL 40580	Soil	0.053	11	17	0.45	280	0.080	2	1.29	0.015	0.09	0.2	0.04	2.8	<0.1	<0.05	6	0.5
TSL 40581	Soil	0.040	9	20	0.46	177	0.084	2	1.33	0.013	0.07	0.2	0.03	2.7	<0.1	<0.05	6	<0.5
TSL 40582	Soil	0.040	18	30	0.51	875	0.073	2	1.61	0.018	0.21	0.1	0.03	4.4	<0.1	0.06	7	0.5
TSL 40583	Soil	0.022	18	23	0.44	476	0.094	2	1.42	0.016	0.15	0.1	0.02	4.0	0.1	<0.05	6	<0.5



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	Method Analyte	Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
			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 40584	Soil			0.7	68.7	14.3	101	0.1	14.6	12.8	391	3.85	8.0	0.4	<0.5	1.3	30	0.3	0.3	0.2	73
TSL 40585	Soil			1.2	223.6	35.4	501	0.3	12.5	10.2	667	3.69	13.9	1.1	1.6	5.0	54	0.5	0.2	0.4	56
TSL 40586	Soil			1.5	66.7	17.2	97	0.1	13.5	15.1	498	3.48	10.3	1.1	3.3	2.7	34	0.2	0.3	0.2	69
TSL 40587	Soil			0.5	184.9	9.3	110	<0.1	17.8	19.6	498	3.57	4.8	0.2	1.6	0.7	37	0.1	0.2	<0.1	88
TSL 40588	Soil			1.3	60.9	8.8	60	0.1	12.2	18.3	544	4.38	6.7	0.7	3.7	1.2	47	0.1	0.3	0.2	102
TSL 40589	Soil			0.6	105.1	12.9	58	0.1	13.0	21.1	664	3.25	8.0	0.4	1.1	1.4	24	0.1	0.3	0.1	83
TSL 40590	Soil			0.3	44.1	14.6	38	<0.1	8.0	12.7	208	2.65	5.0	0.2	2.0	1.0	17	<0.1	0.2	0.1	78
TSL 40591	Soil			0.8	45.2	8.0	35	0.1	9.8	16.8	317	2.94	10.8	0.5	3.3	1.2	28	<0.1	0.3	0.2	74
TSL 40592	Soil			0.7	13.2	8.8	39	<0.1	12.6	8.8	318	2.59	6.0	0.3	3.9	1.8	24	<0.1	0.3	0.1	51
TSL 40593	Soil			0.5	11.9	4.7	31	<0.1	14.2	13.5	256	2.86	3.2	0.2	1.2	1.1	20	<0.1	0.2	<0.1	78
TSL 40594	Soil			0.5	12.3	5.2	32	<0.1	14.8	13.6	252	2.97	3.8	0.2	4.8	1.1	19	<0.1	0.3	<0.1	79
TSL 40595	Soil			1.1	9.6	10.2	35	<0.1	10.5	6.0	187	2.67	7.0	0.3	3.2	1.7	11	<0.1	0.3	0.1	74
TSL 40596	Soil			0.9	12.0	24.9	44	<0.1	8.8	6.3	322	1.95	4.0	0.8	2.4	2.1	19	0.1	0.2	0.2	36
TSL 40597	Soil			0.9	11.0	18.6	57	<0.1	12.2	13.2	1209	2.31	5.0	0.8	2.8	3.0	23	0.2	0.2	0.2	45
TSL 40598	Soil			0.7	15.7	18.5	56	0.1	14.3	8.3	297	2.71	5.9	1.0	5.8	4.6	21	0.2	0.3	0.2	50
TSL 40879	Soil			1.0	21.8	9.9	56	<0.1	16.0	15.2	802	3.69	4.4	0.4	4.3	2.0	27	0.1	0.2	<0.1	68
TSL 40881	Soil			1.0	25.1	14.7	54	<0.1	17.1	11.3	333	3.46	5.2	0.5	3.0	3.6	19	<0.1	0.3	0.1	72
TSL 40883	Soil			0.7	28.8	7.8	69	<0.1	15.3	12.3	580	3.37	5.1	0.7	1.4	3.8	26	<0.1	0.2	<0.1	70
TSL 40888	Soil			0.7	25.1	7.2	57	<0.1	16.7	8.9	245	2.70	5.8	0.7	3.3	2.5	27	<0.1	0.3	<0.1	62
TSL 40890	Soil			0.5	19.9	12.7	53	<0.1	14.6	9.8	284	2.66	4.7	0.6	39.0	2.7	33	0.1	0.2	<0.1	60
TSL 40754	Soil			0.9	42.1	9.1	46	<0.1	14.1	16.5	229	3.77	53.7	0.4	2.1	1.9	11	<0.1	0.4	<0.1	109
TSL 40756	Soil			0.7	32.5	6.8	59	<0.1	19.0	11.4	266	2.78	14.8	0.5	3.6	3.2	18	<0.1	0.3	<0.1	68
TSL 40467	Soil			0.8	23.8	10.4	63	<0.1	26.5	12.7	330	3.22	10.0	0.7	2.4	4.0	17	<0.1	0.4	0.1	66
TSL 40468	Soil			0.6	29.2	18.3	73	<0.1	20.1	13.9	329	3.85	6.6	0.6	1.8	2.8	16	<0.1	0.3	0.1	73
TSL 40469	Soil			0.7	12.4	11.1	64	<0.1	11.4	6.4	296	2.72	5.7	0.6	7.4	3.4	11	<0.1	0.3	0.1	49
TSL 40470	Soil			0.3	10.0	21.7	72	<0.1	3.6	6.7	532	2.80	2.1	0.8	1.9	4.3	8	<0.1	0.1	0.2	19
TSL 40471	Soil			0.5	11.7	50.8	60	<0.1	6.3	7.8	521	2.69	4.4	0.6	0.7	3.3	9	0.1	0.2	0.4	29
TSL 40472	Soil			0.9	17.9	14.6	75	<0.1	13.7	8.2	288	3.06	7.8	0.7	3.6	3.8	15	<0.1	0.3	0.1	60
TSL 40473	Soil			0.5	17.8	12.6	68	<0.1	11.6	8.2	322	2.72	4.6	0.7	2.4	3.8	15	0.1	0.2	0.1	40
TSL 40474	Soil			0.5	50.3	18.0	133	<0.1	27.4	9.6	395	2.86	9.8	1.2	2.0	3.6	40	<0.1	0.3	0.2	62



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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 40584	Soil	0.027	5	22	0.78	315	0.116	1	1.84	0.024	0.39	<0.1	<0.01	5.5	0.1	<0.05	8	<0.5
TSL 40585	Soil	0.036	20	18	1.40	516	0.139	<1	2.40	0.017	0.56	<0.1	0.01	6.6	0.3	<0.05	11	0.6
TSL 40586	Soil	0.039	12	23	0.56	456	0.086	2	1.44	0.028	0.25	<0.1	0.03	6.0	0.1	0.12	6	0.7
TSL 40587	Soil	0.022	2	28	1.25	388	0.135	1	2.06	0.035	0.30	<0.1	<0.01	4.5	0.2	<0.05	5	<0.5
TSL 40588	Soil	0.038	6	19	0.88	336	0.085	1	1.91	0.054	0.24	<0.1	0.02	8.3	<0.1	0.18	6	1.5
TSL 40589	Soil	0.030	5	21	0.56	268	0.090	1	1.69	0.026	0.12	<0.1	<0.01	3.8	<0.1	<0.05	6	<0.5
TSL 40590	Soil	0.016	3	11	0.64	130	0.130	<1	1.61	0.047	0.06	<0.1	<0.01	4.7	<0.1	<0.05	5	<0.5
TSL 40591	Soil	0.042	6	17	0.55	239	0.107	<1	1.33	0.037	0.14	<0.1	0.03	4.4	<0.1	0.05	4	<0.5
TSL 40592	Soil	0.022	7	23	0.48	351	0.079	<1	1.66	0.014	0.14	0.1	<0.01	2.9	<0.1	<0.05	6	<0.5
TSL 40593	Soil	0.015	3	25	0.74	359	0.124	<1	1.53	0.021	0.17	<0.1	0.01	3.3	<0.1	<0.05	5	<0.5
TSL 40594	Soil	0.016	4	26	0.75	365	0.126	<1	1.62	0.022	0.16	<0.1	<0.01	3.5	<0.1	<0.05	5	<0.5
TSL 40595	Soil	0.046	6	22	0.31	232	0.052	<1	1.32	0.011	0.04	0.2	0.02	1.9	<0.1	<0.05	7	<0.5
TSL 40596	Soil	0.044	9	16	0.34	241	0.063	<1	1.06	0.012	0.07	0.2	0.02	2.6	0.1	<0.05	5	<0.5
TSL 40597	Soil	0.056	11	19	0.46	273	0.067	1	1.24	0.015	0.07	0.1	0.03	3.2	0.1	<0.05	5	<0.5
TSL 40598	Soil	0.050	14	24	0.50	283	0.079	1	1.46	0.014	0.07	0.2	0.04	3.8	<0.1	<0.05	6	<0.5
TSL 40879	Soil	0.068	6	31	0.82	548	0.132	1	1.63	0.020	0.53	<0.1	0.02	3.5	0.1	<0.05	7	<0.5
TSL 40881	Soil	0.028	15	36	0.73	290	0.132	<1	1.82	0.019	0.22	<0.1	0.02	3.7	0.1	<0.05	7	<0.5
TSL 40883	Soil	0.069	14	31	0.80	333	0.114	1	1.64	0.019	0.21	0.1	0.03	4.4	0.1	<0.05	6	<0.5
TSL 40888	Soil	0.041	12	34	0.59	251	0.092	<1	1.57	0.017	0.05	<0.1	0.02	4.1	<0.1	<0.05	5	0.6
TSL 40890	Soil	0.060	10	29	0.55	223	0.078	<1	1.47	0.019	0.04	0.1	0.02	3.8	<0.1	<0.05	5	<0.5
TSL 40754	Soil	0.021	6	25	0.81	182	0.109	1	2.17	0.018	0.10	<0.1	0.02	4.4	0.1	<0.05	7	<0.5
TSL 40756	Soil	0.038	10	47	0.72	215	0.104	<1	1.67	0.014	0.10	0.1	0.01	2.9	<0.1	<0.05	6	<0.5
TSL 40467	Soil	0.029	10	38	0.54	207	0.074	1	2.16	0.012	0.05	<0.1	0.01	3.5	<0.1	<0.05	6	<0.5
TSL 40468	Soil	0.033	8	49	0.85	333	0.109	<1	2.27	0.014	0.20	<0.1	0.02	6.0	0.2	<0.05	8	<0.5
TSL 40469	Soil	0.021	8	21	0.48	231	0.100	<1	1.67	0.009	0.19	<0.1	0.02	3.9	0.2	<0.05	7	<0.5
TSL 40470	Soil	0.049	12	4	0.25	308	0.037	1	0.93	0.006	0.29	<0.1	<0.01	4.4	0.1	<0.05	4	<0.5
TSL 40471	Soil	0.046	7	12	0.21	180	0.037	2	0.95	0.008	0.17	<0.1	<0.01	4.5	0.2	<0.05	4	<0.5
TSL 40472	Soil	0.024	11	27	0.47	404	0.052	2	1.76	0.011	0.07	0.1	0.02	4.2	0.1	<0.05	6	<0.5
TSL 40473	Soil	0.023	11	18	0.40	434	0.091	1	1.38	0.013	0.20	<0.1	<0.01	4.7	0.1	<0.05	5	<0.5
TSL 40474	Soil	0.023	14	40	0.67	684	0.098	<1	1.91	0.016	0.15	<0.1	0.02	6.2	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	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
MDL																					
TSL 42350	Soil		0.7	30.8	9.7	64	<0.1	18.6	10.1	327	3.06	7.4	0.4	5.4	2.2	22	<0.1	0.3	<0.1	63	0.39
TSL 42351	Soil		0.6	13.0	35.4	82	<0.1	7.3	4.2	325	2.79	2.4	0.4	2.8	1.8	11	<0.1	0.2	0.2	31	0.13
TSL 42352	Soil		0.6	29.7	13.8	71	<0.1	12.2	10.9	378	3.16	4.3	0.4	1.0	1.7	24	<0.1	0.3	<0.1	58	0.41
TSL 42353	Soil		0.6	19.9	9.0	61	<0.1	21.4	8.5	349	2.71	7.7	0.7	1.4	3.6	19	<0.1	0.4	0.1	53	0.23
TSL 42354	Soil		0.8	13.9	11.2	77	<0.1	12.5	7.5	330	2.73	6.2	0.5	1.2	2.9	17	<0.1	0.4	0.1	44	0.19
TSL 42355	Soil		1.2	20.2	16.7	107	<0.1	17.6	8.7	957	2.86	9.0	0.5	1.3	2.5	23	0.2	0.6	0.1	57	0.27
TSL 42356	Soil		1.1	48.2	38.4	449	0.1	14.4	8.2	554	3.51	8.2	1.0	6.5	5.4	13	0.6	0.4	0.3	50	0.15
TSL 42357	Soil		1.7	181.2	33.4	619	0.3	3.2	4.5	612	3.91	52.5	1.1	2.2	6.8	12	0.5	0.3	0.3	33	0.06
TSL 42358	Soil		1.6	179.5	36.1	635	0.2	3.5	5.3	818	3.87	43.1	1.1	2.7	7.4	13	0.5	0.3	0.3	27	0.07
TSL 42359	Soil		0.9	18.3	14.4	109	0.1	11.5	7.8	329	3.05	7.1	0.6	2.0	2.8	14	<0.1	0.3	0.2	57	0.21
TSL 42360	Soil		0.5	18.4	9.9	135	<0.1	9.5	7.2	298	2.69	4.0	0.5	2.6	2.9	14	0.1	0.2	0.1	48	0.16
TSL 42361	Soil		0.9	19.5	10.8	66	<0.1	9.8	10.7	403	3.26	3.3	0.6	1.4	2.7	20	<0.1	0.2	0.1	53	0.40
TSL 42362	Soil		0.7	19.6	12.8	72	<0.1	12.3	8.6	412	2.85	4.0	0.8	1.6	4.0	19	0.1	0.3	0.2	53	0.30
TSL 42363	Soil		0.7	15.7	16.2	54	<0.1	11.4	6.9	239	2.34	4.2	0.5	3.2	3.2	13	<0.1	0.3	0.2	50	0.17
TSL 42364	Soil		0.8	19.2	12.4	53	0.1	9.7	6.9	386	2.22	4.2	0.6	1.4	2.9	14	0.1	0.2	0.1	51	0.20
TSL 40450	Soil		1.2	14.1	9.4	70	<0.1	13.7	9.7	426	2.87	6.0	0.8	5.0	4.2	15	0.1	0.3	0.1	59	0.23
TSL 40451	Soil		0.3	45.9	18.8	109	<0.1	13.3	17.1	1054	4.65	1.9	0.6	1.6	5.2	16	0.1	<0.1	0.1	110	0.51
TSL 40452	Soil		0.7	38.3	12.2	147	0.2	17.9	11.3	665	4.08	7.5	0.6	3.7	3.8	24	0.1	0.3	0.1	63	0.35
TSL 40453	Soil		0.6	17.0	5.3	69	<0.1	6.0	3.9	576	0.73	1.6	0.6	2.5	0.3	103	0.4	0.2	<0.1	16	3.20
TSL 40454	Soil		0.8	163.5	38.8	430	0.3	36.0	20.5	835	4.74	10.3	1.1	4.3	2.6	26	0.8	0.2	0.3	117	0.34
TSL 40455	Soil		1.0	49.5	17.1	136	<0.1	20.6	14.7	589	3.69	7.4	0.6	3.7	2.5	31	0.5	0.3	0.1	83	0.47
TSL 40456	Soil		1.6	48.4	9.3	131	<0.1	15.8	10.8	349	3.88	11.5	0.6	3.4	3.2	17	0.2	0.4	0.3	60	0.16
TSL 40457	Soil		1.3	92.6	9.3	110	0.1	15.8	15.0	507	3.93	7.2	0.8	4.8	3.4	21	0.2	0.3	0.2	64	0.29
TSL 40458	Soil		0.8	18.0	14.8	69	<0.1	11.1	9.3	477	2.77	6.5	0.6	2.1	3.5	11	<0.1	0.3	0.1	49	0.16
TSL 40459	Soil		0.8	19.3	30.0	91	<0.1	10.6	7.0	317	3.26	5.7	0.6	0.5	2.9	9	<0.1	0.3	0.3	44	0.08
TSL 40460	Soil		1.2	15.4	17.2	64	<0.1	12.5	7.7	292	2.97	9.0	0.6	2.5	2.9	13	0.1	0.5	0.3	64	0.12
TSL 40461	Soil		0.7	25.3	31.8	67	<0.1	13.9	10.6	335	3.09	13.4	0.8	1.3	5.2	16	<0.1	0.4	0.2	51	0.13
TSL 40462	Soil		1.4	23.2	22.1	73	<0.1	17.5	8.7	419	3.41	7.9	0.9	2.2	5.5	14	<0.1	0.4	0.2	59	0.14
TSL 40463	Soil		1.2	17.8	13.7	62	<0.1	15.8	8.5	303	3.18	10.5	0.7	1.6	3.4	13	0.2	0.6	0.3	62	0.11
TSL 40464	Soil		0.9	42.7	8.5	77	<0.1	11.0	7.5	425	4.15	6.4	1.3	1.1	5.3	32	<0.1	0.3	0.2	45	0.12



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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 42350	Soil	0.056	8	26	0.64	183	0.090	1	1.60	0.020	0.10	0.1	0.02	4.0	<0.1	<0.05	6	<0.5
TSL 42351	Soil	0.014	6	14	0.50	273	0.065	<1	1.46	0.009	0.16	0.1	<0.01	4.0	0.1	<0.05	8	<0.5
TSL 42352	Soil	0.044	6	23	0.69	188	0.095	<1	1.83	0.025	0.08	<0.1	<0.01	5.5	<0.1	<0.05	7	<0.5
TSL 42353	Soil	0.012	14	32	0.46	269	0.066	<1	1.63	0.012	0.12	0.1	0.02	5.1	<0.1	<0.05	5	<0.5
TSL 42354	Soil	0.013	6	20	0.41	252	0.045	1	1.38	0.009	0.15	<0.1	<0.01	3.0	0.1	<0.05	5	<0.5
TSL 42355	Soil	0.020	7	28	0.45	687	0.033	<1	1.95	0.010	0.08	<0.1	0.01	2.9	0.1	<0.05	6	<0.5
TSL 42356	Soil	0.019	15	26	0.45	280	0.043	<1	1.82	0.010	0.07	<0.1	0.10	4.0	0.1	<0.05	6	<0.5
TSL 42357	Soil	0.038	22	9	0.24	227	0.034	1	1.24	0.013	0.23	<0.1	0.04	2.2	0.1	0.10	4	<0.5
TSL 42358	Soil	0.039	25	9	0.27	230	0.033	<1	1.26	0.013	0.25	<0.1	0.05	2.1	0.2	0.11	4	<0.5
TSL 42359	Soil	0.022	11	22	0.55	187	0.095	<1	1.71	0.012	0.09	<0.1	0.02	3.3	0.1	<0.05	7	<0.5
TSL 42360	Soil	0.021	9	17	0.48	134	0.091	<1	1.45	0.011	0.10	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5
TSL 42361	Soil	0.046	16	20	0.73	310	0.122	1	1.77	0.017	0.22	<0.1	0.01	3.9	0.1	<0.05	6	<0.5
TSL 42362	Soil	0.050	23	27	0.61	271	0.070	3	1.65	0.011	0.14	<0.1	0.01	3.5	<0.1	<0.05	6	<0.5
TSL 42363	Soil	0.022	11	20	0.35	148	0.069	<1	1.36	0.010	0.07	0.2	0.02	2.7	<0.1	<0.05	5	<0.5
TSL 42364	Soil	0.034	13	18	0.36	174	0.067	<1	1.35	0.012	0.07	<0.1	0.02	2.7	<0.1	<0.05	5	<0.5
TSL 40450	Soil	0.050	11	26	0.46	176	0.082	1	1.61	0.013	0.08	0.2	<0.01	3.9	<0.1	<0.05	6	<0.5
TSL 40451	Soil	0.100	26	19	1.24	359	0.133	1	1.90	0.038	0.75	<0.1	<0.01	6.2	0.3	<0.05	8	<0.5
TSL 40452	Soil	0.044	13	27	0.86	271	0.163	<1	2.03	0.013	0.74	<0.1	0.02	5.6	0.2	<0.05	8	<0.5
TSL 40453	Soil	0.078	8	9	0.22	370	0.014	9	0.46	0.024	0.04	<0.1	0.07	1.8	<0.1	0.18	1	<0.5
TSL 40454	Soil	0.032	13	86	1.73	500	0.192	1	2.36	0.021	0.69	<0.1	0.02	9.5	0.4	<0.05	10	0.7
TSL 40455	Soil	0.033	11	29	0.90	256	0.125	1	1.80	0.018	0.24	0.1	0.01	5.6	0.1	<0.05	7	<0.5
TSL 40456	Soil	0.024	14	32	0.55	237	0.102	1	1.77	0.012	0.21	<0.1	0.01	4.8	0.1	<0.05	7	<0.5
TSL 40457	Soil	0.029	14	26	0.75	266	0.101	1	1.77	0.019	0.16	0.1	0.02	5.8	<0.1	<0.05	7	<0.5
TSL 40458	Soil	0.026	8	20	0.43	171	0.079	1	1.33	0.011	0.11	0.1	<0.01	4.7	<0.1	<0.05	6	<0.5
TSL 40459	Soil	0.026	6	18	0.54	154	0.118	<1	1.78	0.008	0.21	0.1	0.02	4.9	0.1	<0.05	7	<0.5
TSL 40460	Soil	0.037	9	25	0.43	203	0.081	1	1.55	0.008	0.12	0.1	0.01	4.1	<0.1	<0.05	8	<0.5
TSL 40461	Soil	0.023	11	26	0.47	230	0.109	<1	1.66	0.013	0.15	<0.1	<0.01	6.4	0.1	<0.05	7	<0.5
TSL 40462	Soil	0.025	18	27	0.55	325	0.130	1	1.91	0.013	0.18	0.1	0.02	5.6	0.1	<0.05	7	<0.5
TSL 40463	Soil	0.029	9	29	0.47	208	0.090	1	1.90	0.009	0.12	0.1	0.01	3.8	0.1	<0.05	7	<0.5
TSL 40464	Soil	0.035	15	16	0.93	504	0.154	<1	2.13	0.011	0.73	<0.1	0.01	5.5	0.2	0.09	10	<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 40465	Soil				1.0	45.5	11.9	150	<0.1	18.2	10.8	499	3.19	10.6	0.8	2.9	4.0	14	0.2	0.5	0.3	59	0.11	
TSL 40466	Soil				0.6	22.2	6.0	86	<0.1	15.4	10.2	478	3.34	4.8	1.1	3.1	4.9	19	<0.1	0.3	0.1	49	0.16	
TSL 42114	Soil				0.7	16.7	12.2	61	0.1	10.7	6.5	217	2.49	5.6	0.7	7.8	2.9	16	0.1	0.3	0.2	50	0.19	
TSL 42115	Soil				1.0	25.9	23.8	66	0.1	14.2	7.1	260	2.84	7.6	1.0	1.2	3.8	20	0.1	0.3	0.3	59	0.22	
TSL 42116	Soil				0.7	20.2	17.9	73	0.1	10.9	6.8	229	2.31	4.5	0.6	1.2	1.6	16	<0.1	0.2	0.2	41	0.19	
TSL 42117	Soil				0.9	154.3	25.5	190	0.2	12.8	7.7	399	3.03	6.7	0.7	3.3	3.3	21	0.4	0.3	0.4	52	0.22	
TSL 42118	Soil				0.7	80.3	34.5	104	0.1	9.8	6.2	284	2.80	5.5	0.7	1.9	3.4	16	0.2	0.3	0.3	48	0.16	
TSL 42119	Soil				0.6	111.5	33.4	92	<0.1	14.6	8.2	283	2.90	7.5	1.0	3.6	5.7	21	0.1	0.4	0.3	49	0.20	
TSL 42120	Soil				0.6	27.8	13.4	40	<0.1	8.3	8.4	333	2.09	3.3	0.2	0.6	0.6	18	0.1	0.3	0.1	56	0.25	
TSL 42121	Soil				0.8	35.3	24.5	73	<0.1	16.5	9.3	279	2.69	7.9	0.4	2.8	2.2	21	0.1	0.4	0.2	60	0.22	
TSL 42122	Soil				0.8	25.9	24.3	62	<0.1	12.3	9.1	302	2.99	7.2	0.5	1.9	2.2	21	<0.1	0.3	0.2	62	0.25	
TSL 42123	Soil				0.8	62.9	28.2	105	0.1	7.8	6.3	225	2.57	5.5	0.4	4.4	1.9	28	0.2	0.2	0.4	50	0.12	
TSL 42124	Soil				1.2	63.6	13.5	100	0.2	13.5	9.7	382	3.07	8.4	0.5	5.1	2.8	18	0.3	0.4	0.2	59	0.14	
TSL 42365	Soil				0.5	19.8	10.7	55	<0.1	9.4	8.5	309	2.37	4.1	0.5	1.1	2.0	14	<0.1	0.2	0.1	49	0.21	
TSL 42366	Soil				0.4	20.3	17.0	62	<0.1	8.3	7.1	283	2.15	4.0	0.5	0.5	1.9	13	0.1	0.2	0.1	40	0.19	
TSL 42367	Soil				0.5	19.0	14.1	68	<0.1	9.5	7.1	249	2.19	3.8	0.7	1.6	1.6	19	<0.1	0.2	0.1	35	0.22	
TSL 42368	Soil				0.7	17.8	34.1	129	<0.1	6.4	5.4	276	2.57	3.6	0.6	2.8	3.0	17	0.1	0.2	0.2	37	0.21	
TSL 42369	Soil				0.6	206.6	20.3	184	<0.1	17.4	9.3	368	3.15	7.5	0.7	4.5	4.5	20	0.3	0.5	0.3	60	0.20	
TSL 42370	Soil				0.7	48.2	21.4	68	<0.1	24.0	9.9	285	2.96	8.0	0.7	2.6	5.3	22	0.1	0.5	0.2	66	0.20	
TSL 42371	Soil				0.4	14.4	13.2	127	<0.1	4.4	4.8	369	3.57	3.7	0.7	<0.5	2.4	9	<0.1	0.2	0.3	22	0.08	
TSL 42372	Soil				1.1	14.6	18.6	55	<0.1	17.5	8.6	337	2.81	8.6	0.3	<0.5	2.2	15	<0.1	0.5	0.2	66	0.14	
TSL 42373	Soil				0.5	69.0	5.4	52	<0.1	9.2	14.3	326	2.88	3.1	0.2	1.4	0.7	28	<0.1	0.2	<0.1	81	0.27	
TSL 42374	Soil				0.8	27.4	10.4	57	<0.1	13.6	8.1	207	2.69	7.0	0.4	3.8	2.2	17	0.1	0.4	0.2	60	0.17	
TSL 42375	Soil				1.0	137.4	33.6	160	<0.1	12.3	12.6	420	3.60	7.5	0.6	6.1	2.2	25	0.3	0.2	0.3	73	0.21	
TSL 42376	Soil				1.1	181.7	21.9	275	<0.1	11.8	15.4	579	3.20	5.7	0.7	1.9	2.7	14	0.5	0.2	0.2	48	0.13	
TSL 42377	Soil				0.7	52.5	27.1	126	<0.1	9.9	12.5	712	3.29	4.6	0.5	2.0	1.8	15	0.3	0.2	0.2	63	0.22	
TSL 42378	Soil				1.0	88.4	20.6	197	<0.1	12.6	13.2	775	2.78	5.6	0.6	2.2	2.0	17	0.6	0.3	0.2	51	0.20	
TSL 42512	Soil				1.5	24.3	24.5	87	<0.1	11.2	11.7	671	2.87	5.4	0.6	1.3	2.1	25	0.1	0.2	0.2	53	0.38	
TSL 42513	Soil				0.9	66.9	17.0	109	0.1	12.1	9.7	448	3.02	11.9	1.0	6.2	3.0	33	0.3	0.4	0.2	53	0.51	
TSL 42516	Soil				0.9	30.3	24.0	70	<0.1	10.5	11.1	376	3.00	5.3	0.7	0.6	2.1	19	0.1	0.2	0.2	57	0.30	



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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	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 40465	Soil	0.034	10	25	0.60	168	0.098	<1	1.89	0.008	0.15	<0.1	0.01	4.1	0.2	<0.05	8	<0.5
TSL 40466	Soil	0.028	21	25	0.72	271	0.156	<1	1.96	0.012	0.34	0.1	0.01	5.2	0.2	<0.05	8	<0.5
TSL 42114	Soil	0.027	14	20	0.39	223	0.072	1	1.62	0.010	0.08	0.1	0.03	3.2	0.1	<0.05	6	<0.5
TSL 42115	Soil	0.035	20	25	0.39	266	0.076	2	2.04	0.014	0.08	0.2	0.03	4.0	0.1	<0.05	8	0.5
TSL 42116	Soil	0.051	11	17	0.36	180	0.062	<1	1.35	0.013	0.08	<0.1	0.04	3.3	<0.1	<0.05	6	<0.5
TSL 42117	Soil	0.032	12	22	0.47	335	0.076	<1	1.68	0.013	0.08	0.1	0.04	3.8	<0.1	<0.05	6	<0.5
TSL 42118	Soil	0.030	13	16	0.41	212	0.078	<1	1.38	0.010	0.12	<0.1	0.01	4.4	0.1	<0.05	6	<0.5
TSL 42119	Soil	0.019	29	24	0.48	389	0.078	<1	1.44	0.013	0.11	0.1	0.02	6.3	<0.1	<0.05	5	0.7
TSL 42120	Soil	0.017	3	12	0.32	272	0.057	<1	1.06	0.024	0.06	<0.1	<0.01	2.1	<0.1	<0.05	4	<0.5
TSL 42121	Soil	0.037	8	24	0.52	327	0.080	1	1.81	0.015	0.07	0.1	0.01	3.1	0.1	<0.05	5	<0.5
TSL 42122	Soil	0.042	8	21	0.47	323	0.084	<1	1.56	0.019	0.09	<0.1	0.01	4.0	<0.1	<0.05	6	<0.5
TSL 42123	Soil	0.025	7	14	0.40	246	0.096	1	1.27	0.031	0.12	<0.1	0.01	2.9	0.1	0.06	7	0.8
TSL 42124	Soil	0.026	7	26	0.46	221	0.066	<1	1.73	0.015	0.07	<0.1	0.02	3.4	0.1	<0.05	6	0.6
TSL 42365	Soil	0.039	10	16	0.37	164	0.072	<1	1.23	0.012	0.08	<0.1	0.02	3.4	<0.1	<0.05	5	<0.5
TSL 42366	Soil	0.041	8	14	0.35	151	0.067	2	1.16	0.014	0.09	<0.1	0.01	2.9	<0.1	<0.05	4	<0.5
TSL 42367	Soil	0.054	12	15	0.32	209	0.057	1	1.32	0.017	0.07	<0.1	0.03	3.4	<0.1	<0.05	5	<0.5
TSL 42368	Soil	0.044	11	13	0.45	187	0.086	1	1.41	0.011	0.22	<0.1	0.02	3.6	0.1	<0.05	5	<0.5
TSL 42369	Soil	0.027	11	31	0.55	284	0.089	<1	1.89	0.012	0.11	0.1	0.02	3.7	<0.1	<0.05	6	<0.5
TSL 42370	Soil	0.015	25	35	0.55	201	0.097	<1	1.82	0.014	0.08	0.1	0.02	6.2	<0.1	<0.05	6	0.6
TSL 42371	Soil	0.018	5	6	0.24	220	0.054	1	1.10	0.007	0.25	<0.1	0.02	9.4	0.2	<0.05	6	<0.5
TSL 42372	Soil	0.024	7	29	0.41	256	0.054	<1	1.78	0.011	0.06	<0.1	<0.01	2.5	<0.1	<0.05	6	<0.5
TSL 42373	Soil	0.048	4	11	0.67	270	0.110	<1	1.48	0.021	0.20	<0.1	0.01	3.2	<0.1	<0.05	5	<0.5
TSL 42374	Soil	0.026	8	23	0.46	221	0.060	<1	1.73	0.011	0.06	0.1	0.01	2.8	<0.1	<0.05	6	<0.5
TSL 42375	Soil	0.042	11	19	0.51	345	0.070	<1	1.86	0.018	0.09	<0.1	0.02	4.7	<0.1	0.06	8	0.6
TSL 42376	Soil	0.032	9	18	0.55	227	0.066	<1	1.59	0.010	0.17	<0.1	0.01	4.9	0.1	<0.05	6	<0.5
TSL 42377	Soil	0.070	7	20	0.57	200	0.144	1	1.64	0.016	0.24	<0.1	0.01	4.4	0.1	<0.05	8	<0.5
TSL 42378	Soil	0.049	11	20	0.40	250	0.065	<1	1.45	0.012	0.11	0.1	0.02	4.3	<0.1	<0.05	6	<0.5
TSL 42512	Soil	0.045	10	21	0.45	213	0.076	<1	1.27	0.014	0.09	0.1	0.03	4.6	<0.1	0.06	6	0.5
TSL 42513	Soil	0.047	16	21	0.51	393	0.069	1	1.41	0.014	0.19	<0.1	0.08	6.5	0.1	0.06	5	0.8
TSL 42516	Soil	0.046	9	18	0.54	291	0.126	<1	1.23	0.014	0.27	<0.1	0.01	4.6	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 39134	Soil		0.9	26.6	6.8	42	<0.1	12.8	8.8	199	2.78	7.1	0.4	2.3	1.5	17	<0.1	0.3	0.2	73	0.19
TSL 39135	Soil		0.6	35.9	5.0	40	<0.1	15.5	10.9	262	2.49	5.7	0.7	4.0	2.1	32	<0.1	0.3	0.1	66	0.46
TSL 39136	Soil		0.4	29.5	3.7	33	<0.1	13.3	10.9	234	2.52	6.7	0.6	4.2	2.1	22	<0.1	0.2	<0.1	61	0.43
TSL 39137	Soil		0.6	58.8	4.8	43	<0.1	20.0	11.8	265	2.63	19.0	1.0	2.0	3.0	25	<0.1	0.3	0.1	66	0.41
TSL 39138	Soil		0.6	65.1	5.0	47	0.1	17.2	14.7	314	2.63	10.5	1.1	14.0	2.1	34	<0.1	0.3	0.1	71	0.54
TSL 39139	Soil		0.4	53.7	3.5	48	<0.1	13.0	16.5	215	2.75	4.8	0.6	1.7	1.7	24	<0.1	0.1	<0.1	82	0.50
TSL 39140	Soil		0.3	166.9	3.0	37	<0.1	27.7	14.9	260	1.99	3.1	0.3	<0.5	0.8	18	<0.1	0.1	<0.1	58	0.40
TSL 39141	Soil		0.2	91.9	2.8	39	<0.1	32.4	17.7	361	2.50	2.5	0.4	2.2	1.1	21	<0.1	<0.1	<0.1	68	0.40
TSL 39142	Soil		0.4	51.5	4.3	59	<0.1	19.1	16.6	318	3.39	4.7	0.6	1.2	1.9	23	<0.1	0.2	<0.1	86	0.44
TSL 39143	Soil		0.5	79.1	6.2	67	<0.1	28.7	18.3	296	3.35	6.3	1.3	2.4	3.0	49	0.1	0.3	0.1	85	0.58
TSL 39144	Soil		0.4	62.6	6.6	58	<0.1	18.4	13.1	312	2.61	5.6	1.1	0.8	2.4	58	0.1	0.2	0.1	71	0.59
TSL 39157	Soil		1.3	139.8	25.3	463	0.2	39.9	18.3	1028	6.22	3.2	0.6	1.9	1.4	40	0.2	0.1	0.2	160	0.37
TSL 40861	Soil		1.1	24.3	13.5	83	<0.1	12.5	10.7	378	3.32	6.5	1.0	1.2	3.7	39	0.1	0.4	0.2	60	0.37
TSL 40862	Soil		1.2	30.7	31.7	75	0.2	16.6	10.6	411	3.18	8.9	1.5	4.0	4.3	43	0.1	0.3	0.2	61	0.38
TSL 40863	Soil		0.8	25.2	10.7	71	<0.1	12.7	8.2	268	2.69	8.0	1.0	8.2	3.7	32	0.1	0.3	0.1	54	0.37
TSL 40864	Soil		0.9	53.2	16.5	103	<0.1	15.6	15.4	483	3.66	10.7	0.6	3.2	2.3	27	0.1	0.3	0.1	92	0.51
TSL 40772	Soil		0.8	40.3	8.0	58	<0.1	12.0	14.9	319	2.80	7.6	0.5	1.3	1.9	23	<0.1	0.2	0.1	75	0.38
TSL 40773	Soil		0.8	55.6	7.3	52	<0.1	13.1	17.0	295	3.64	11.8	0.4	1.1	1.6	24	<0.1	0.3	0.2	95	0.35
TSL 40776	Soil		0.8	53.0	6.2	47	<0.1	11.7	18.1	442	3.27	11.5	0.4	1.6	1.3	21	<0.1	0.3	0.2	89	0.32
TSL 40777	Soil		0.7	44.0	8.2	67	<0.1	13.8	17.3	424	3.77	17.7	0.5	1.2	2.1	26	<0.1	0.2	0.2	108	0.40
TSL 40778	Soil		0.7	42.3	10.2	46	<0.1	18.8	15.4	303	2.74	4.6	0.4	2.7	1.8	28	<0.1	0.3	0.1	70	0.37
TSL 40779	Soil		0.8	57.5	5.5	105	<0.1	9.6	13.1	312	5.62	2.5	0.6	1.3	1.6	52	<0.1	0.1	0.2	92	0.33
TSL 40780	Soil		6.0	167.0	4.5	72	<0.1	20.1	18.6	302	7.15	2.7	0.5	0.6	1.0	64	<0.1	0.2	0.1	153	0.38
TSL 40781	Soil		0.5	107.0	11.3	45	<0.1	10.2	19.7	287	3.29	3.3	0.2	0.5	0.9	19	<0.1	0.1	0.1	87	0.27
TSL 40782	Soil		0.4	100.3	8.0	47	<0.1	14.9	25.8	442	3.25	6.7	0.2	0.8	1.2	72	<0.1	0.2	<0.1	88	0.43
TSL 40783	Soil		0.7	44.9	9.9	59	<0.1	17.1	13.1	325	2.67	8.2	0.5	4.9	2.2	36	0.1	0.4	0.1	74	0.38
TSL 40784	Soil		0.7	27.6	8.2	56	<0.1	15.1	8.5	243	2.47	8.7	0.5	3.4	1.7	31	0.1	0.3	0.1	73	0.32
TSL 40785	Soil		0.5	27.1	7.2	59	<0.1	18.2	8.6	257	2.63	7.1	0.8	2.1	2.8	37	0.2	0.5	0.2	63	0.45
TSL 42198	Soil		0.8	71.5	9.4	103	0.1	11.3	5.4	152	3.15	6.0	0.4	2.6	2.4	18	0.1	0.4	0.2	46	0.11
TSL 42199	Soil		0.9	66.1	19.0	109	0.1	15.8	9.1	558	2.97	8.4	0.7	2.2	2.9	40	0.2	0.5	0.2	55	0.38



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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	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	0.01	0.01	0.1	0.1	0.05	1	0.5
TSL 39134	Soil	0.038	6	21	0.48	285	0.092	<1	1.69	0.015	0.08	<0.1	<0.01	2.7	<0.1	<0.05	6	<0.5
TSL 39135	Soil	0.047	9	31	0.67	295	0.114	<1	1.40	0.027	0.08	<0.1	0.02	4.0	<0.1	<0.05	5	<0.5
TSL 39136	Soil	0.096	9	26	0.66	258	0.091	<1	1.31	0.023	0.09	<0.1	0.01	4.1	<0.1	<0.05	5	<0.5
TSL 39137	Soil	0.053	12	44	0.74	342	0.107	<1	1.43	0.023	0.06	0.1	0.03	4.8	<0.1	<0.05	5	<0.5
TSL 39138	Soil	0.062	12	28	0.70	355	0.103	<1	1.51	0.033	0.08	<0.1	0.05	5.9	<0.1	<0.05	5	<0.5
TSL 39139	Soil	0.088	8	21	0.83	337	0.133	<1	1.53	0.031	0.24	<0.1	0.01	4.2	<0.1	<0.05	5	<0.5
TSL 39140	Soil	0.064	4	52	0.95	197	0.101	<1	1.32	0.027	0.17	<0.1	0.01	3.1	0.1	<0.05	3	<0.5
TSL 39141	Soil	0.066	4	88	1.27	334	0.157	<1	1.60	0.018	0.46	<0.1	<0.01	3.3	0.2	<0.05	5	<0.5
TSL 39142	Soil	0.074	9	48	1.07	410	0.167	<1	1.77	0.022	0.38	<0.1	0.01	3.8	0.2	<0.05	6	<0.5
TSL 39143	Soil	0.073	14	69	1.15	492	0.159	<1	1.97	0.022	0.38	0.1	0.03	5.1	0.2	<0.05	6	0.6
TSL 39144	Soil	0.064	9	42	0.88	308	0.125	1	1.52	0.022	0.27	0.1	0.05	4.4	0.1	<0.05	5	<0.5
TSL 39157	Soil	0.054	8	134	2.96	879	0.272	<1	3.29	0.015	1.65	<0.1	0.04	16.0	0.7	0.28	14	0.8
TSL 40861	Soil	0.042	16	21	0.64	358	0.105	2	1.66	0.024	0.17	0.2	0.02	5.5	<0.1	<0.05	6	<0.5
TSL 40862	Soil	0.051	20	28	0.58	525	0.093	<1	1.81	0.018	0.10	0.1	0.03	5.5	0.1	<0.05	6	<0.5
TSL 40863	Soil	0.044	16	22	0.56	403	0.109	<1	1.50	0.019	0.12	0.2	0.02	4.4	<0.1	<0.05	5	<0.5
TSL 40864	Soil	0.058	11	23	1.08	364	0.113	<1	1.94	0.045	0.28	<0.1	0.02	7.3	0.1	<0.05	7	<0.5
TSL 40772	Soil	0.047	8	20	0.67	264	0.112	<1	1.35	0.035	0.12	<0.1	<0.01	4.9	<0.1	<0.05	5	<0.5
TSL 40773	Soil	0.046	6	21	0.69	231	0.123	<1	1.92	0.037	0.13	<0.1	0.01	5.2	<0.1	<0.05	6	<0.5
TSL 40776	Soil	0.035	6	21	0.65	202	0.109	<1	1.54	0.031	0.13	<0.1	<0.01	5.8	<0.1	<0.05	6	<0.5
TSL 40777	Soil	0.041	12	23	0.95	330	0.128	1	1.81	0.037	0.19	<0.1	0.01	7.5	<0.1	<0.05	7	0.6
TSL 40778	Soil	0.040	7	45	0.77	241	0.121	<1	1.70	0.035	0.12	<0.1	0.02	4.7	<0.1	<0.05	5	<0.5
TSL 40779	Soil	0.088	14	21	1.17	408	0.154	<1	2.19	0.092	0.59	<0.1	<0.01	9.7	0.2	0.38	9	1.1
TSL 40780	Soil	0.065	8	44	1.92	382	0.218	<1	3.17	0.108	1.03	<0.1	<0.01	10.2	0.2	0.81	11	1.7
TSL 40781	Soil	0.050	5	8	0.78	342	0.118	<1	1.42	0.037	0.23	<0.1	<0.01	4.0	<0.1	<0.05	4	<0.5
TSL 40782	Soil	0.068	8	14	0.93	1973	0.151	<1	1.56	0.041	0.42	<0.1	<0.01	3.7	0.1	<0.05	5	<0.5
TSL 40783	Soil	0.061	11	29	0.59	232	0.108	2	1.59	0.028	0.10	0.2	0.03	4.0	<0.1	<0.05	5	<0.5
TSL 40784	Soil	0.056	9	27	0.62	175	0.119	<1	1.54	0.027	0.09	0.2	0.02	3.4	<0.1	<0.05	6	<0.5
TSL 40785	Soil	0.070	12	27	0.62	205	0.096	2	1.54	0.024	0.07	0.2	0.02	3.7	<0.1	<0.05	5	<0.5
TSL 42198	Soil	0.018	7	21	0.44	171	0.087	<1	1.77	0.012	0.19	<0.1	0.02	4.3	0.1	<0.05	7	<0.5
TSL 42199	Soil	0.024	9	28	0.55	390	0.092	1	1.79	0.018	0.17	<0.1	0.02	4.7	<0.1	<0.05	6	<0.5



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	Method Analyte	Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			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 42201	Soil		1.9	117.5	47.1	953	0.2	7.0	5.2	1163	3.47	4.1	0.6	3.3	2.3	19	1.0	0.2	0.2	20	0.10	
TSL 42202	Soil		1.0	93.4	38.5	263	0.2	10.1	5.3	515	2.45	7.5	0.8	3.3	2.1	24	1.0	0.3	0.3	44	0.21	
TSL 42203	Soil		0.9	130.1	41.8	254	0.1	10.3	8.7	501	3.09	10.1	0.6	3.6	2.5	26	0.6	0.4	0.3	53	0.26	
TSL 42204	Soil		0.9	135.9	43.9	208	0.7	10.4	8.2	506	2.77	6.2	0.8	6.2	2.2	36	1.0	0.2	0.3	49	0.29	
TSL 42205	Soil		1.1	68.9	20.3	124	0.3	13.8	16.6	1500	2.61	4.2	0.5	0.8	1.5	31	0.5	0.2	0.1	66	0.33	
TSL 42206	Soil		0.6	43.0	21.9	72	0.1	27.2	11.2	278	2.47	4.6	0.5	1.3	1.8	32	0.1	0.3	0.1	67	0.38	
TSL 42207	Soil		0.6	73.7	31.9	125	0.3	27.3	10.5	282	2.34	2.5	0.6	1.0	1.9	26	0.6	0.2	0.2	58	0.22	
TSL 42208	Soil		1.1	43.7	34.9	155	<0.1	23.4	14.2	731	2.90	6.9	0.4	2.4	1.8	29	0.8	0.3	0.2	60	0.33	
TSL 45099	Soil		0.5	24.8	12.6	99	<0.1	14.5	8.8	452	3.09	4.9	0.4	2.3	2.5	16	0.1	0.3	0.1	41	0.20	
TSL 45100	Soil		0.6	31.7	9.9	63	<0.1	20.9	10.8	261	2.47	6.0	1.0	4.8	3.1	30	0.1	0.4	0.2	56	0.40	
TSL 45101	Soil		0.9	75.0	76.1	164	<0.1	12.7	12.2	355	3.11	4.6	1.3	1.4	3.8	25	0.2	0.3	0.4	56	0.29	
TSL 45102	Soil		0.7	64.0	18.5	98	0.1	15.1	9.1	249	2.63	4.8	1.5	2.9	4.5	31	0.4	0.4	0.2	49	0.32	
TSL 45103	Soil		1.3	56.8	64.0	64	0.7	9.7	4.9	149	2.49	4.5	1.0	3.8	1.7	24	<0.1	0.3	0.2	44	0.20	
TSL 45104	Soil		1.6	24.0	24.4	66	0.2	10.6	7.0	244	3.35	7.4	0.6	5.0	2.7	13	0.1	0.4	0.3	53	0.10	
TSL 45105	Soil		1.6	34.2	24.0	66	0.2	9.3	4.9	205	2.62	6.3	0.9	4.7	2.2	19	<0.1	0.4	0.3	42	0.14	
TSL 45106	Soil		0.5	41.2	15.5	113	0.2	11.8	9.4	302	2.49	3.8	0.9	2.5	2.4	27	0.4	0.3	0.1	45	0.40	
TSL 45107	Soil		0.7	36.9	24.2	89	0.2	12.8	14.4	445	3.02	6.7	1.0	2.6	2.2	26	0.3	0.2	0.2	51	0.29	
TSL 40005	Soil		1.3	19.1	11.8	70	<0.1	18.2	10.6	393	3.24	8.9	0.7	3.3	5.0	21	0.1	0.5	0.2	66	0.22	
TSL 40006	Soil		1.1	14.9	49.9	59	<0.1	14.5	9.6	383	2.60	6.5	0.7	2.2	4.4	24	0.2	0.4	0.2	53	0.27	
TSL 40007	Soil		0.7	17.6	25.2	62	<0.1	14.1	8.2	303	2.73	6.0	0.9	1.9	4.0	20	0.2	0.3	0.2	53	0.23	
TSL 40008	Soil		0.7	18.3	24.0	70	<0.1	16.1	10.8	528	2.95	6.7	1.1	2.3	5.0	24	0.2	0.3	0.2	54	0.29	
TSL 42336	Soil		0.8	35.3	12.1	73	<0.1	9.8	8.0	297	2.63	7.4	0.5	1.7	2.2	22	0.2	0.3	0.2	46	0.28	
TSL 42511	Soil		0.9	32.2	14.5	89	0.1	10.1	12.7	873	2.67	4.4	0.8	7.5	2.0	26	0.2	0.2	0.2	41	0.31	
TSL 38034	Soil		0.6	24.8	7.5	60	<0.1	18.3	13.8	331	3.18	5.1	0.4	7.7	2.3	21	<0.1	0.2	0.1	72	0.29	
TSL 38035	Soil		0.6	22.1	7.5	68	<0.1	14.8	10.1	272	3.08	6.0	0.5	4.8	2.5	19	0.1	0.3	0.1	65	0.25	
TSL 39201	Soil		0.9	31.1	6.9	64	<0.1	25.6	11.1	445	2.44	9.7	0.7	2.5	3.2	71	0.3	0.7	0.1	56	1.81	
TSL 39202	Soil		0.6	32.4	6.5	63	<0.1	27.8	11.8	450	2.59	8.9	0.6	3.6	2.8	56	0.2	0.6	0.1	61	1.23	
TSL 39213	Soil		0.7	25.1	8.4	60	<0.1	19.2	11.4	275	2.79	8.0	0.7	5.3	1.9	28	0.2	0.4	0.1	64	0.36	
TSL 39214	Soil		0.7	33.6	7.2	62	<0.1	26.4	12.0	443	2.75	8.3	0.6	2.9	2.8	59	0.2	0.6	0.1	62	1.28	
TSL 39215	Soil		0.7	23.8	7.1	59	<0.1	21.7	11.1	290	2.70	7.8	0.8	5.5	3.6	33	0.2	0.4	0.1	58	0.49	



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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 42201	Soil	0.041	11	17	0.56	277	0.077	2	1.43	0.010	0.41	<0.1	0.02	4.4	0.2	<0.05	6	<0.5
TSL 42202	Soil	0.023	14	20	0.33	487	0.065	2	1.46	0.018	0.12	<0.1	0.04	5.0	0.1	<0.05	5	<0.5
TSL 42203	Soil	0.030	10	21	0.50	457	0.070	1	1.66	0.015	0.13	<0.1	0.02	5.0	0.2	<0.05	6	<0.5
TSL 42204	Soil	0.047	16	20	0.42	733	0.056	2	1.86	0.016	0.15	<0.1	0.08	5.7	0.1	<0.05	7	<0.5
TSL 42205	Soil	0.035	9	31	0.67	557	0.108	2	1.32	0.022	0.18	<0.1	0.01	4.2	0.1	<0.05	6	<0.5
TSL 42206	Soil	0.042	8	51	0.85	322	0.124	<1	1.43	0.028	0.13	<0.1	<0.01	3.4	0.1	<0.05	5	<0.5
TSL 42207	Soil	0.019	6	63	0.74	334	0.120	1	1.27	0.019	0.10	<0.1	0.03	3.1	<0.1	<0.05	7	0.5
TSL 42208	Soil	0.059	7	40	0.72	423	0.091	1	1.51	0.015	0.17	0.1	0.03	3.9	<0.1	<0.05	5	<0.5
TSL 45099	Soil	0.045	8	17	0.71	182	0.116	1	1.85	0.021	0.29	0.1	0.01	3.7	0.1	<0.05	6	<0.5
TSL 45100	Soil	0.082	13	28	0.62	292	0.088	2	1.49	0.018	0.07	0.2	0.02	4.5	<0.1	<0.05	4	0.6
TSL 45101	Soil	0.065	21	20	0.62	359	0.103	<1	1.55	0.018	0.20	0.1	0.02	4.6	0.1	<0.05	5	0.6
TSL 45102	Soil	0.058	21	21	0.51	293	0.094	2	1.61	0.027	0.14	0.1	0.04	5.3	0.1	<0.05	5	<0.5
TSL 45103	Soil	0.046	15	16	0.37	286	0.080	2	1.28	0.022	0.13	0.1	0.09	3.0	0.3	0.16	4	1.4
TSL 45104	Soil	0.030	11	21	0.34	166	0.074	1	1.83	0.013	0.10	0.1	0.03	2.7	0.2	0.06	7	<0.5
TSL 45105	Soil	0.044	14	17	0.36	204	0.057	<1	1.50	0.013	0.11	<0.1	0.04	2.9	0.2	0.07	6	0.8
TSL 45106	Soil	0.057	22	17	0.45	312	0.073	1	1.33	0.017	0.14	0.1	0.06	6.6	<0.1	<0.05	5	1.1
TSL 45107	Soil	0.069	16	23	0.50	314	0.073	1	1.51	0.014	0.13	0.1	0.06	5.9	<0.1	<0.05	6	0.9
TSL 40005	Soil	0.046	12	31	0.56	212	0.098	1	2.16	0.014	0.08	0.2	0.02	4.4	<0.1	<0.05	7	<0.5
TSL 40006	Soil	0.049	16	23	0.50	313	0.092	2	1.50	0.015	0.08	0.2	0.01	3.7	<0.1	<0.05	6	0.6
TSL 40007	Soil	0.048	11	24	0.44	173	0.084	2	1.54	0.014	0.09	0.2	0.04	4.0	<0.1	<0.05	6	0.5
TSL 40008	Soil	0.058	15	25	0.53	295	0.085	3	1.75	0.013	0.08	0.1	0.03	4.6	0.1	<0.05	6	<0.5
TSL 42336	Soil	0.034	8	17	0.38	307	0.063	<1	1.27	0.016	0.11	0.1	0.03	3.7	<0.1	<0.05	4	<0.5
TSL 42511	Soil	0.060	16	16	0.46	300	0.059	1	1.19	0.015	0.16	<0.1	0.03	5.6	0.1	<0.05	5	0.9
TSL 38034	Soil	0.073	8	36	0.87	185	0.137	1	1.84	0.019	0.16	0.1	0.02	3.4	0.1	<0.05	6	<0.5
TSL 38035	Soil	0.060	9	30	0.71	207	0.117	<1	1.71	0.017	0.14	0.1	0.02	3.8	<0.1	<0.05	6	<0.5
TSL 39201	Soil	0.094	12	27	0.76	272	0.084	3	1.21	0.043	0.10	0.2	0.03	3.7	<0.1	<0.05	4	0.6
TSL 39202	Soil	0.097	12	29	0.67	248	0.092	2	1.23	0.039	0.07	0.2	0.02	3.8	<0.1	<0.05	4	0.6
TSL 39213	Soil	0.066	10	31	0.58	227	0.072	1	1.69	0.020	0.05	0.1	0.03	3.9	<0.1	<0.05	6	<0.5
TSL 39214	Soil	0.095	13	28	0.72	271	0.090	2	1.25	0.041	0.09	0.2	0.02	3.9	<0.1	<0.05	4	<0.5
TSL 39215	Soil	0.075	16	30	0.60	261	0.090	1	1.46	0.026	0.06	0.2	0.03	3.9	<0.1	<0.05	5	0.7



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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	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
	MDL																				
TSL 39216	Soil		1.3	25.0	10.0	70	<0.1	27.6	12.1	270	3.35	21.2	0.9	2.0	8.8	19	<0.1	0.4	<0.1	55	0.21
TSL 39217	Soil		1.2	29.2	9.9	67	<0.1	31.6	15.9	406	3.47	36.1	1.3	2.2	9.6	22	<0.1	0.5	0.1	57	0.22
TSL 38205	Soil		0.8	43.7	5.7	43	<0.1	20.2	11.5	283	2.78	10.2	0.9	3.0	2.6	23	<0.1	0.3	0.1	73	0.31
TSL 38207	Soil		0.7	34.9	4.1	42	0.1	13.1	15.1	399	2.56	6.2	0.5	7.1	1.0	24	<0.1	0.2	<0.1	78	0.32
TSL 38145	Soil		0.8	41.0	6.4	42	<0.1	20.8	14.1	401	2.85	8.7	0.4	1.0	1.7	34	<0.1	0.3	0.1	75	0.40
TSL 38146	Soil		0.4	35.2	6.0	27	<0.1	14.2	11.2	176	2.15	5.3	0.2	0.7	1.0	21	<0.1	0.2	<0.1	54	0.34
TSL 38147	Soil		0.5	36.7	5.7	62	<0.1	22.9	16.6	432	3.50	4.6	0.5	<0.5	2.6	27	<0.1	0.3	<0.1	80	0.43
TSL 38148	Soil		0.5	29.1	13.2	76	<0.1	10.8	8.3	444	3.54	3.0	0.5	0.5	5.9	16	<0.1	0.2	<0.1	73	0.19
TSL 38149	Soil		0.6	46.5	13.1	77	<0.1	9.7	14.9	641	4.97	3.2	0.6	<0.5	4.9	48	<0.1	0.2	<0.1	93	0.54
TSL 38150	Soil		0.7	36.5	14.0	73	<0.1	17.7	11.4	310	3.44	11.3	0.8	0.6	4.9	24	0.1	0.4	0.2	72	0.28
TSL 38151	Soil		1.2	39.9	13.7	97	<0.1	10.7	10.6	422	3.82	6.2	0.7	0.9	3.3	20	0.2	0.3	0.3	80	0.28
TSL 38152	Soil		1.0	30.5	11.3	71	<0.1	14.3	11.0	340	3.31	7.5	0.7	2.0	3.1	20	0.1	0.3	0.2	75	0.25
TSL 38153	Soil		0.8	33.2	10.7	69	<0.1	15.2	10.4	333	3.14	6.0	0.7	3.5	4.2	25	0.2	0.3	0.2	70	0.36
TSL 38154	Soil		0.8	32.9	9.3	67	<0.1	18.8	12.9	411	3.28	6.5	0.8	2.8	4.1	30	<0.1	0.4	0.2	71	0.44
TSL 38184	Soil		0.5	27.2	7.8	23	0.1	8.8	4.7	181	1.14	1.8	0.5	2.0	<0.1	38	0.2	0.2	0.1	28	0.20
TSL 38185	Soil		0.8	27.5	3.6	28	0.1	11.8	7.9	572	1.10	1.7	0.8	2.4	0.2	154	0.6	0.3	0.2	24	2.21
TSL 38186	Soil		0.5	29.7	5.6	85	<0.1	43.8	20.0	609	3.03	7.3	0.5	1.7	0.6	142	0.2	0.2	0.1	82	0.67
TSL 38187	Soil		0.6	29.8	7.1	144	<0.1	39.5	23.0	807	4.47	7.7	0.6	1.1	0.6	162	0.3	0.2	0.1	116	0.75
TSL 38188	Soil		0.9	23.6	6.4	47	<0.1	14.0	12.6	397	2.93	6.5	0.2	1.8	1.1	33	<0.1	0.4	0.1	71	0.38
TSL 38189	Soil		0.3	82.0	2.6	70	<0.1	8.7	22.7	456	4.60	5.0	0.3	1.1	0.9	14	<0.1	0.1	<0.1	138	0.33
TSL 38190	Soil		1.0	40.5	6.3	78	<0.1	15.1	12.8	381	3.46	5.3	0.5	3.1	2.9	28	<0.1	0.2	0.1	87	0.40
TSL 38191	Soil		0.8	48.3	6.7	119	<0.1	14.9	14.9	452	4.41	7.3	0.6	1.7	5.0	26	<0.1	0.1	<0.1	100	0.31
TSL 38192	Soil		0.8	39.0	5.7	81	<0.1	16.0	15.3	918	3.60	6.8	0.4	1.7	2.6	30	<0.1	0.3	0.1	83	0.38
TSL 38193	Soil		0.6	62.7	8.0	75	<0.1	16.2	18.0	348	3.90	9.9	0.3	0.9	2.1	29	<0.1	0.4	<0.1	115	0.49
TSL 38194	Soil		0.7	43.7	10.5	40	<0.1	13.7	14.0	311	2.75	5.4	0.2	2.3	1.0	20	<0.1	0.3	0.2	72	0.26
TSL 39197	Soil		0.7	26.5	7.3	60	<0.1	22.8	10.6	396	2.57	8.8	0.5	2.4	2.7	41	0.1	0.5	0.1	58	0.66
TSL 39198	Soil		0.6	32.1	7.4	59	<0.1	25.8	11.8	421	2.62	9.4	0.5	5.3	2.9	38	0.2	0.6	0.1	60	0.62
TSL 39199	Soil		0.7	31.7	7.0	61	<0.1	25.1	11.1	332	2.53	7.7	1.1	4.1	2.8	38	0.2	0.5	0.2	57	0.59
TSL 39200	Soil		0.7	31.8	6.7	59	<0.1	26.7	10.8	419	2.45	8.4	0.6	3.8	3.2	61	0.3	0.6	0.2	58	1.73
TSL 39307	Soil		0.7	46.7	12.7	400	<0.1	10.5	5.9	571	3.23	4.4	0.7	6.1	2.2	17	0.5	0.2	0.2	28	0.22



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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	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 39216	Soil	0.045	25	39	0.65	303	0.113	<1	1.67	0.010	0.27	0.1	<0.01	3.7	0.2	<0.05	6	<0.5
TSL 39217	Soil	0.040	31	42	0.69	314	0.091	1	1.88	0.014	0.24	<0.1	0.02	4.9	0.2	<0.05	6	0.6
TSL 38205	Soil	0.045	11	38	0.66	325	0.096	1	1.50	0.020	0.09	0.1	0.03	4.0	<0.1	<0.05	5	<0.5
TSL 38207	Soil	0.059	7	21	0.69	262	0.134	1	1.25	0.022	0.36	<0.1	0.01	3.6	0.1	<0.05	6	<0.5
TSL 38145	Soil	0.036	5	33	0.62	312	0.106	<1	1.55	0.018	0.23	<0.1	0.01	3.0	<0.1	<0.05	5	<0.5
TSL 38146	Soil	0.023	3	19	0.59	161	0.102	<1	1.19	0.032	0.08	<0.1	<0.01	3.3	<0.1	<0.05	4	<0.5
TSL 38147	Soil	0.070	12	53	0.93	194	0.142	<1	1.86	0.038	0.15	<0.1	<0.01	4.9	<0.1	<0.05	7	<0.5
TSL 38148	Soil	0.032	9	29	0.98	197	0.171	<1	1.68	0.010	0.58	<0.1	<0.01	8.0	0.3	<0.05	9	<0.5
TSL 38149	Soil	0.096	11	24	1.49	409	0.245	<1	2.28	0.024	0.84	<0.1	<0.01	5.8	0.3	<0.05	11	<0.5
TSL 38150	Soil	0.034	23	34	0.82	371	0.117	1	1.83	0.016	0.16	<0.1	0.02	5.8	<0.1	<0.05	7	0.7
TSL 38151	Soil	0.066	11	22	0.92	282	0.175	<1	1.95	0.018	0.52	0.1	0.01	5.1	0.2	<0.05	8	0.6
TSL 38152	Soil	0.051	14	27	0.75	246	0.140	1	2.01	0.019	0.22	0.1	0.02	4.8	0.1	<0.05	7	0.6
TSL 38153	Soil	0.050	20	32	0.76	338	0.101	1	1.72	0.014	0.13	0.1	0.02	5.3	<0.1	<0.05	6	<0.5
TSL 38154	Soil	0.056	14	36	0.77	266	0.112	1	1.90	0.018	0.08	0.1	0.03	5.6	<0.1	<0.05	6	<0.5
TSL 38184	Soil	0.044	9	11	0.18	808	0.023	1	0.73	0.016	0.04	<0.1	0.03	0.9	<0.1	<0.05	3	<0.5
TSL 38185	Soil	0.083	4	13	0.34	669	0.024	4	0.65	0.029	0.08	<0.1	0.08	1.9	<0.1	0.14	2	0.9
TSL 38186	Soil	0.019	3	89	1.46	373	0.098	1	1.82	0.026	0.26	<0.1	0.01	6.2	<0.1	<0.05	6	0.6
TSL 38187	Soil	0.020	3	85	1.80	441	0.102	<1	2.28	0.031	0.35	<0.1	0.02	10.7	0.1	<0.05	8	<0.5
TSL 38188	Soil	0.041	5	20	0.54	337	0.093	1	1.55	0.016	0.15	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5
TSL 38189	Soil	0.087	5	9	1.17	282	0.190	<1	1.94	0.036	0.94	<0.1	0.01	5.6	0.2	<0.05	8	<0.5
TSL 38190	Soil	0.025	7	21	0.96	286	0.175	<1	1.73	0.017	0.48	0.1	0.01	4.6	0.2	<0.05	8	<0.5
TSL 38191	Soil	0.046	9	17	1.42	325	0.215	<1	2.44	0.013	1.09	<0.1	0.01	6.9	0.5	<0.05	10	0.5
TSL 38192	Soil	0.062	6	21	0.98	332	0.169	<1	1.84	0.016	0.66	0.1	0.02	3.9	0.2	<0.05	7	<0.5
TSL 38193	Soil	0.037	5	18	0.79	285	0.142	1	1.63	0.027	0.28	<0.1	0.01	5.0	0.1	<0.05	6	<0.5
TSL 38194	Soil	0.038	4	22	0.64	331	0.100	<1	1.43	0.023	0.11	<0.1	<0.01	3.2	<0.1	<0.05	5	<0.5
TSL 39197	Soil	0.083	11	29	0.63	241	0.087	2	1.47	0.034	0.07	0.2	0.03	3.5	<0.1	<0.05	4	0.5
TSL 39198	Soil	0.080	12	29	0.59	249	0.087	1	1.47	0.033	0.06	0.2	0.03	3.9	<0.1	<0.05	4	<0.5
TSL 39199	Soil	0.084	13	29	0.56	261	0.085	2	1.49	0.025	0.06	0.2	0.03	3.9	<0.1	<0.05	5	0.5
TSL 39200	Soil	0.099	12	29	0.72	264	0.089	2	1.22	0.035	0.11	0.2	0.02	3.8	<0.1	<0.05	4	0.7
TSL 39307	Soil	0.042	13	14	0.38	254	0.060	<1	1.23	0.009	0.22	<0.1	0.02	8.6	<0.1	<0.05	6	0.9



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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	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2
TSL 38155	Soil		0.6	43.8	4.4	84	<0.1	17.6	18.3	677	3.91	2.7	0.4	1.0	2.6	73	0.1	0.2	<0.1	74	0.63
TSL 42446	Soil		2.3	23.4	13.0	83	<0.1	8.1	4.8	189	2.33	4.0	0.5	3.5	1.4	21	0.1	0.2	0.2	37	0.20
TSL 42462	Soil		1.3	58.6	18.0	85	<0.1	17.8	12.6	375	3.49	9.6	0.8	2.4	3.5	23	0.1	0.3	0.2	66	0.24
TSL 42463	Soil		1.2	24.5	28.7	69	0.1	13.9	13.2	670	3.32	6.8	0.6	1.2	2.9	17	<0.1	0.3	0.3	76	0.18
TSL 42464	Soil		1.0	18.4	24.9	64	<0.1	13.0	10.2	453	3.08	5.9	0.8	2.9	3.0	19	0.1	0.3	0.2	55	0.18
TSL 42465	Soil		1.3	35.7	19.6	50	<0.1	7.6	7.3	302	2.89	12.9	1.0	1.7	3.2	19	<0.1	0.2	0.2	43	0.17
TSL 42466	Soil		1.5	40.5	21.8	71	<0.1	11.1	8.7	403	3.24	13.3	0.9	1.8	3.9	17	0.1	0.3	0.2	49	0.15
TSL 42467	Soil		1.2	29.2	18.2	61	<0.1	11.4	8.4	435	2.75	12.1	1.0	2.8	2.7	17	0.1	0.3	0.2	54	0.13
TSL 42468	Soil		0.8	26.9	16.1	64	<0.1	12.2	7.5	316	2.59	8.2	1.2	3.1	2.8	22	<0.1	0.2	0.2	49	0.21
TSL 42469	Soil		0.6	20.6	16.6	54	<0.1	12.7	7.0	238	2.54	5.9	1.3	2.4	2.9	21	<0.1	0.2	0.2	47	0.19
TSL 42470	Soil		0.6	17.5	15.3	63	<0.1	13.4	9.6	445	2.63	4.4	1.0	1.7	2.6	21	<0.1	0.2	0.2	46	0.22
TSL 42471	Soil		0.7	15.6	15.3	58	<0.1	16.5	8.2	282	2.42	5.2	1.1	2.8	2.3	23	0.1	0.2	0.2	47	0.24
TSL 42472	Soil		0.7	15.8	19.7	66	<0.1	12.3	7.8	311	2.76	5.2	0.8	1.9	2.1	19	<0.1	0.2	0.2	51	0.19
TSL 42473	Soil		0.7	16.0	15.2	62	<0.1	13.7	9.7	397	2.60	5.4	1.0	1.5	2.3	26	0.1	0.2	0.2	51	0.25
TSL 42474	Soil		0.9	18.8	10.2	60	<0.1	11.8	6.6	213	2.41	5.1	1.0	2.9	2.6	25	0.1	0.2	0.1	40	0.26
TSL 42475	Soil		0.7	14.2	9.4	52	<0.1	8.7	4.8	189	1.94	3.7	0.6	2.1	2.0	24	<0.1	0.2	0.2	42	0.21
TSL 40955	Soil		0.4	80.0	2.2	54	<0.1	10.6	18.7	339	3.54	6.4	0.3	0.6	1.1	20	<0.1	0.1	<0.1	105	0.41
TSL 40956	Soil		0.6	41.4	7.1	59	<0.1	12.5	15.2	379	3.71	6.6	0.6	2.5	1.7	27	<0.1	0.4	<0.1	104	0.57
TSL 40957	Soil		0.4	56.5	4.8	65	<0.1	18.5	17.4	374	3.90	6.6	0.7	3.9	2.5	24	<0.1	0.3	<0.1	125	0.49
TSL 40958	Soil		0.3	56.9	5.3	68	<0.1	20.7	17.1	408	4.08	6.7	0.7	15.9	2.8	28	<0.1	0.4	<0.1	127	0.49
TSL 40959	Soil		1.8	27.1	11.5	65	0.1	21.0	12.8	708	3.69	17.1	0.7	1.8	4.5	31	0.2	0.6	0.1	75	0.41
TSL 40960	Soil		5.7	173.6	13.3	123	<0.1	20.9	30.9	1087	7.44	4.8	0.5	1.9	1.9	48	<0.1	0.4	<0.1	214	0.69
TSL 40961	Soil		0.4	68.5	2.8	55	<0.1	8.5	21.8	497	5.35	25.8	0.2	1.6	0.8	25	<0.1	0.2	<0.1	170	0.56
TSL 40962	Soil		2.3	60.8	8.7	119	0.1	16.9	24.1	725	6.99	11.9	0.7	6.0	1.5	38	<0.1	0.3	<0.1	230	0.79
TSL 40963	Soil		0.8	50.1	7.2	58	<0.1	17.9	12.5	454	3.32	36.3	1.2	3.3	4.3	36	<0.1	0.4	0.2	80	0.50
TSL 40964	Soil		0.5	54.8	3.2	84	<0.1	22.3	27.2	1450	6.35	7.5	0.5	2.5	1.5	80	<0.1	0.4	<0.1	187	0.83
TSL 40965	Soil		0.4	87.8	1.7	64	<0.1	15.7	13.7	151	3.12	2.4	0.3	1.1	1.8	8	<0.1	0.1	<0.1	118	0.27
TSL 40966	Soil		0.3	39.2	2.4	83	<0.1	6.7	20.6	424	5.57	4.5	0.2	2.0	0.6	19	<0.1	0.1	<0.1	171	0.44
TSL 40967	Soil		0.7	40.8	3.7	75	<0.1	9.2	21.0	574	5.43	5.1	0.3	1.0	0.7	21	<0.1	0.2	<0.1	168	0.51
TSL 40968	Soil		0.7	83.5	5.5	67	<0.1	17.5	17.6	360	4.21	6.3	0.6	2.3	2.5	22	<0.1	0.3	0.1	133	0.32



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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	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 38155	Soil	0.164	11	44	1.18	316	0.202	<1	1.99	0.022	0.32	<0.1	0.01	3.1	<0.1	<0.05	8	<0.5
TSL 42446	Soil	0.048	9	21	0.38	175	0.046	1	0.94	0.019	0.07	0.1	0.03	3.3	<0.1	<0.05	5	0.7
TSL 42462	Soil	0.023	16	31	0.64	290	0.095	<1	1.75	0.015	0.08	0.1	0.02	6.3	<0.1	<0.05	6	0.6
TSL 42463	Soil	0.034	10	26	0.51	196	0.096	2	1.80	0.011	0.11	0.1	0.02	5.6	0.1	<0.05	8	<0.5
TSL 42464	Soil	0.037	14	24	0.55	288	0.103	1	1.61	0.010	0.18	0.1	0.03	4.9	<0.1	<0.05	7	0.5
TSL 42465	Soil	0.031	18	15	0.48	330	0.102	1	1.29	0.011	0.27	0.1	0.02	4.0	0.1	<0.05	7	0.6
TSL 42466	Soil	0.031	15	21	0.57	256	0.097	<1	1.54	0.010	0.20	<0.1	0.02	3.9	0.1	<0.05	7	0.5
TSL 42467	Soil	0.035	13	23	0.46	206	0.085	1	1.42	0.011	0.10	0.1	0.03	3.3	<0.1	<0.05	7	<0.5
TSL 42468	Soil	0.037	13	24	0.57	300	0.093	1	1.61	0.011	0.10	<0.1	0.02	3.9	<0.1	<0.05	7	<0.5
TSL 42469	Soil	0.039	12	24	0.47	369	0.087	<1	1.54	0.012	0.09	0.1	0.03	4.2	<0.1	<0.05	6	<0.5
TSL 42470	Soil	0.049	12	27	0.54	342	0.094	1	1.40	0.013	0.16	0.1	0.02	3.9	0.1	<0.05	6	<0.5
TSL 42471	Soil	0.045	13	42	0.56	351	0.079	1	1.52	0.014	0.08	<0.1	0.04	4.2	<0.1	<0.05	6	<0.5
TSL 42472	Soil	0.042	10	26	0.50	323	0.098	<1	1.55	0.011	0.18	0.2	0.02	3.9	0.1	<0.05	8	<0.5
TSL 42473	Soil	0.039	15	27	0.46	528	0.078	2	1.46	0.013	0.10	0.1	0.03	3.9	0.1	<0.05	7	<0.5
TSL 42474	Soil	0.049	17	21	0.41	449	0.065	1	1.26	0.017	0.09	0.2	0.03	4.2	<0.1	<0.05	5	<0.5
TSL 42475	Soil	0.023	12	16	0.32	395	0.062	1	1.12	0.012	0.09	0.1	0.02	3.6	0.1	<0.05	6	<0.5
TSL 40955	Soil	0.056	5	10	1.10	255	0.106	<1	1.74	0.031	0.28	<0.1	0.01	6.1	<0.1	<0.05	6	<0.5
TSL 40956	Soil	0.034	7	20	0.82	388	0.113	<1	1.66	0.025	0.21	<0.1	0.02	6.2	<0.1	<0.05	7	<0.5
TSL 40957	Soil	0.041	14	21	1.24	326	0.174	1	1.99	0.044	0.34	0.1	0.02	8.9	0.1	<0.05	7	0.6
TSL 40958	Soil	0.042	13	25	1.14	357	0.184	2	1.96	0.041	0.41	<0.1	0.02	8.8	0.2	<0.05	7	0.8
TSL 40959	Soil	0.016	10	35	0.45	584	0.077	2	1.73	0.019	0.18	<0.1	<0.01	5.1	<0.1	<0.05	5	0.6
TSL 40960	Soil	0.071	11	43	1.76	160	0.076	1	2.77	0.029	0.07	<0.1	0.02	18.3	<0.1	<0.05	13	0.7
TSL 40961	Soil	0.045	3	9	0.78	152	0.141	<1	1.75	0.048	0.27	<0.1	<0.01	6.2	0.1	<0.05	7	<0.5
TSL 40962	Soil	0.099	7	15	1.50	437	0.132	<1	2.68	0.038	0.21	<0.1	<0.01	13.6	<0.1	<0.05	13	1.1
TSL 40963	Soil	0.052	17	30	0.80	280	0.125	<1	1.76	0.026	0.11	0.1	0.04	6.2	<0.1	<0.05	6	0.9
TSL 40964	Soil	0.067	11	27	1.20	679	0.066	1	2.68	0.043	0.21	<0.1	0.04	13.8	0.1	<0.05	10	0.6
TSL 40965	Soil	0.082	6	10	1.10	278	0.185	<1	1.72	0.019	0.49	<0.1	<0.01	3.8	0.1	<0.05	7	<0.5
TSL 40966	Soil	0.077	4	6	1.24	288	0.248	<1	2.20	0.032	0.66	<0.1	<0.01	4.4	0.2	<0.05	9	0.6
TSL 40967	Soil	0.071	5	17	1.06	502	0.161	<1	2.23	0.050	0.37	<0.1	<0.01	6.6	<0.1	<0.05	9	0.8
TSL 40968	Soil	0.045	9	30	0.95	428	0.183	<1	2.23	0.024	0.26	0.1	<0.01	5.1	0.1	<0.05	8	<0.5



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	Method Analyte Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01
TSL 40970	Soil		0.6	42.9	6.4	103	<0.1	14.8	14.7	392	3.61	9.3	0.6	2.9	2.4	36	0.1	0.2	<0.1	89	0.56
TSL 40973	Soil		1.1	57.8	19.1	71	<0.1	25.9	18.1	533	4.14	7.7	1.2	4.4	4.5	39	<0.1	0.3	0.1	77	0.78
TSL 39100	Soil		1.3	27.0	9.2	70	<0.1	31.7	15.0	328	3.66	5.7	1.2	2.2	14.5	16	<0.1	0.2	0.1	49	0.18
TSL 39101	Soil		1.3	23.0	9.9	63	<0.1	28.8	13.0	324	4.06	8.1	1.1	1.0	9.7	17	<0.1	0.3	0.1	66	0.22
TSL 39102	Soil		1.3	22.8	10.6	65	<0.1	34.2	13.8	342	3.66	5.5	0.7	5.4	6.6	24	0.2	0.2	0.1	63	0.46
TSL 39103	Soil		0.9	18.8	10.3	53	<0.1	25.4	12.5	309	3.07	14.2	0.9	4.9	7.3	24	0.1	0.4	0.1	54	0.33
TSL 39104	Soil		0.9	21.8	10.3	63	<0.1	30.1	14.3	366	3.39	7.7	1.2	4.7	9.8	28	<0.1	0.3	0.1	60	0.35
TSL 39105	Soil		1.0	23.5	9.3	55	<0.1	29.7	11.7	247	3.17	9.8	1.1	3.0	5.0	30	<0.1	0.5	0.1	68	0.39
TSL 42192	Soil		0.5	26.9	7.2	51	<0.1	4.7	2.5	116	1.38	12.2	0.6	6.0	1.0	18	0.2	0.1	0.1	18	0.18
TSL 42196	Soil		0.8	38.1	9.2	42	<0.1	5.5	2.7	102	1.29	3.2	0.5	3.7	0.8	20	0.2	0.2	0.2	24	0.16
TSL 39106	Soil		1.3	31.6	11.8	75	<0.1	55.8	17.6	388	3.99	9.6	1.3	3.7	6.9	51	<0.1	0.4	0.1	79	0.77
TSL 39107	Soil		0.9	22.9	8.1	55	<0.1	21.6	10.0	304	2.74	7.9	0.9	4.4	4.1	35	0.1	0.5	0.2	61	0.50
TSL 39108	Soil		0.9	35.7	8.7	60	<0.1	26.4	11.7	416	2.93	9.4	0.9	2.9	4.4	33	0.1	0.6	0.1	66	0.60
TSL 42189	Soil		0.8	24.1	11.4	85	<0.1	9.7	7.1	288	2.36	5.3	0.6	2.2	2.1	11	0.2	0.2	0.1	42	0.17
TSL 42190	Soil		0.8	23.5	11.8	81	<0.1	9.2	7.6	306	2.36	5.5	0.6	7.8	2.0	11	<0.1	0.2	0.1	44	0.16
TSL 42195	Soil		0.7	39.9	13.7	49	0.2	7.1	3.5	112	1.73	4.5	0.8	1.4	1.2	14	0.2	0.1	0.2	29	0.14
TSL 42690	Soil		0.7	43.7	11.3	47	0.1	3.8	2.9	123	2.14	42.6	0.7	0.6	2.3	18	<0.1	0.1	0.2	23	0.12
TSL 42691	Soil		0.8	124.9	21.0	137	0.3	8.8	5.8	264	3.63	11.4	1.4	8.8	5.2	22	0.2	0.2	0.3	35	0.21
TSL 42326	Soil		1.2	282.9	28.4	241	0.3	7.4	5.7	256	4.08	5.1	0.7	8.7	2.4	28	0.1	0.2	0.6	78	0.21
TSL 42327	Soil		0.8	109.4	21.4	138	0.3	10.4	7.5	314	3.02	4.7	0.7	4.7	2.5	22	0.2	0.2	0.3	54	0.27
TSL 42328	Soil		0.4	24.4	6.5	191	<0.1	2.4	3.8	483	3.46	1.6	0.2	<0.5	0.9	14	<0.1	<0.1	<0.1	9	0.25
TSL 42329	Soil		0.4	23.0	5.6	190	<0.1	2.7	3.9	511	3.42	1.4	0.3	1.0	0.9	14	<0.1	<0.1	<0.1	8	0.23
TSL 42330	Soil		0.6	19.9	18.3	84	<0.1	6.6	4.8	272	2.51	3.8	0.3	1.5	1.6	14	<0.1	0.2	0.2	32	0.22
TSL 42331	Soil		0.8	28.0	21.0	77	0.4	10.2	8.5	454	2.50	3.8	0.7	2.3	2.0	17	0.5	0.2	0.2	44	0.24
TSL 42332	Soil		0.7	15.9	15.3	55	0.1	8.0	5.2	228	2.07	3.7	0.4	<0.5	1.3	14	0.1	0.2	0.2	41	0.19
TSL 42333	Soil		0.7	38.2	13.1	93	0.2	12.9	8.8	412	2.94	4.3	0.7	1.2	2.8	24	0.2	0.2	0.1	61	0.49
TSL 42334	Soil		1.1	70.3	10.8	130	<0.1	13.6	9.0	384	4.49	8.2	0.6	0.9	2.6	24	<0.1	0.2	0.1	75	0.33
TSL 42335	Soil		0.8	26.9	11.0	87	<0.1	16.1	9.6	426	3.26	5.4	0.6	2.6	2.7	19	0.1	0.3	0.1	67	0.34
TSL 42336	Soil		1.2	69.1	18.1	73	0.1	11.1	13.3	821	3.60	13.0	0.8	1.8	2.3	23	0.2	0.3	0.2	64	0.44
TSL 42337	Soil		0.8	143.7	14.3	128	0.2	10.1	7.8	501	3.26	24.4	0.9	2.6	3.1	21	0.3	0.3	0.2	43	0.38



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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 40970	Soil	0.083	9	34	0.92	414	0.180	1	2.01	0.030	0.29	0.1	0.01	4.8	0.1	<0.05	6	0.5
TSL 40973	Soil	0.152	17	46	0.92	450	0.100	2	2.00	0.043	0.25	<0.1	0.03	8.3	0.1	<0.05	6	0.9
TSL 39100	Soil	0.034	32	38	0.72	177	0.105	<1	2.08	0.010	0.34	<0.1	<0.01	3.6	0.3	<0.05	7	0.7
TSL 39101	Soil	0.038	26	46	0.64	181	0.124	1	2.08	0.013	0.24	<0.1	<0.01	3.8	0.2	<0.05	7	0.6
TSL 39102	Soil	0.060	13	44	0.74	183	0.138	1	2.17	0.016	0.27	0.1	<0.01	3.5	0.2	<0.05	7	1.0
TSL 39103	Soil	0.050	22	36	0.53	162	0.113	1	1.69	0.016	0.13	0.1	<0.01	3.1	0.2	<0.05	5	<0.5
TSL 39104	Soil	0.059	27	45	0.65	226	0.130	1	2.01	0.020	0.21	0.2	0.01	4.6	0.2	<0.05	6	0.6
TSL 39105	Soil	0.060	20	46	0.60	199	0.123	<1	2.10	0.020	0.08	0.2	0.02	3.9	0.1	<0.05	6	0.9
TSL 42192	Soil	0.031	9	9	0.25	123	0.047	2	0.79	0.016	0.07	<0.1	0.04	1.9	<0.1	0.09	4	0.8
TSL 42196	Soil	0.033	8	14	0.17	99	0.050	2	0.88	0.016	0.07	0.1	0.03	1.8	<0.1	<0.05	5	0.7
TSL 39106	Soil	0.195	26	75	1.09	350	0.164	<1	2.48	0.027	0.51	0.2	0.02	5.1	0.3	<0.05	8	0.6
TSL 39107	Soil	0.071	15	34	0.55	212	0.112	<1	1.80	0.032	0.07	0.2	0.03	3.6	<0.1	<0.05	5	0.9
TSL 39108	Soil	0.068	16	35	0.61	292	0.089	1	1.73	0.031	0.06	0.2	0.04	4.0	<0.1	<0.05	5	<0.5
TSL 42189	Soil	0.034	8	18	0.38	149	0.054	1	1.41	0.013	0.08	0.1	0.02	2.7	<0.1	<0.05	5	<0.5
TSL 42190	Soil	0.031	8	18	0.36	142	0.060	1	1.44	0.019	0.09	0.1	<0.01	2.7	<0.1	<0.05	5	<0.5
TSL 42195	Soil	0.042	9	13	0.20	165	0.038	<1	0.90	0.013	0.07	<0.1	0.06	1.8	<0.1	<0.05	4	<0.5
TSL 42690	Soil	0.030	11	9	0.19	190	0.038	1	0.79	0.024	0.14	<0.1	0.03	2.0	<0.1	0.16	3	<0.5
TSL 42691	Soil	0.037	21	16	0.44	322	0.058	<1	1.54	0.021	0.19	<0.1	0.06	3.6	0.1	0.10	6	0.7
TSL 42326	Soil	0.027	11	15	0.58	920	0.112	<1	1.84	0.026	0.37	0.1	0.03	6.5	0.6	0.18	8	<0.5
TSL 42327	Soil	0.036	12	20	0.51	419	0.082	1	1.58	0.017	0.15	<0.1	0.02	4.5	0.2	<0.05	6	<0.5
TSL 42328	Soil	0.055	3	4	0.39	190	0.135	<1	1.26	0.009	0.42	<0.1	<0.01	2.9	<0.1	<0.05	8	<0.5
TSL 42329	Soil	0.056	4	4	0.38	173	0.134	<1	1.28	0.008	0.41	<0.1	<0.01	2.8	<0.1	<0.05	8	<0.5
TSL 42330	Soil	0.034	7	13	0.35	163	0.079	<1	1.08	0.012	0.19	<0.1	<0.01	3.6	0.1	<0.05	6	<0.5
TSL 42331	Soil	0.033	17	17	0.34	256	0.060	<1	1.39	0.017	0.14	<0.1	0.03	4.5	<0.1	<0.05	6	<0.5
TSL 42332	Soil	0.033	7	18	0.27	168	0.059	<1	1.18	0.017	0.09	0.2	0.01	3.1	<0.1	<0.05	6	<0.5
TSL 42333	Soil	0.042	16	23	0.73	296	0.090	<1	1.64	0.019	0.21	<0.1	0.02	5.0	0.1	<0.05	7	<0.5
TSL 42334	Soil	0.033	11	30	0.89	266	0.097	<1	1.78	0.029	0.24	<0.1	<0.01	6.3	0.1	0.13	8	0.6
TSL 42335	Soil	0.025	11	31	0.54	282	0.076	<1	1.72	0.018	0.08	0.1	0.03	5.2	<0.1	<0.05	7	<0.5
TSL 42336	Soil	0.029	14	18	0.40	415	0.041	1	1.66	0.022	0.10	<0.1	0.03	5.2	<0.1	<0.05	6	<0.5
TSL 42337	Soil	0.029	15	15	0.38	517	0.043	<1	1.38	0.016	0.10	<0.1	0.05	5.5	0.1	<0.05	5	<0.5



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Report Date: July 24, 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	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 42339	Soil		0.8	36.0	8.9	94	<0.1	15.5	10.6	390	3.56	5.9	0.6	2.6	2.5	17	<0.1	0.2	<0.1	74	0.26
TSL 42340	Soil		0.7	31.1	4.6	140	<0.1	6.1	11.0	515	4.70	3.6	0.5	0.8	2.1	11	<0.1	0.1	<0.1	61	0.32
TSL 42341	Soil		1.3	50.0	14.7	88	<0.1	18.0	12.9	381	3.51	5.1	0.5	0.6	2.1	19	<0.1	0.2	<0.1	87	0.28
TSL 42389	Soil		1.5	41.0	25.1	151	<0.1	21.0	10.4	341	4.01	11.3	0.6	2.6	3.0	14	0.4	0.6	0.2	77	0.17
TSL 42390	Soil		1.4	19.3	12.6	71	<0.1	19.5	12.7	390	3.54	11.4	0.4	1.6	2.5	14	0.2	0.5	0.2	82	0.15
TSL 42391	Soil		0.8	42.4	14.4	58	<0.1	34.4	16.6	324	3.04	8.3	0.4	3.1	2.3	17	0.1	0.4	0.1	71	0.24
TSL 42392	Soil		0.7	45.9	35.4	47	<0.1	18.9	10.3	227	2.48	5.9	0.3	0.6	0.9	16	<0.1	0.2	0.2	77	0.24
TSL 40264	Soil		0.6	18.0	27.2	92	0.1	12.8	7.4	457	2.83	3.9	0.4	1.1	2.1	21	<0.1	0.2	0.2	37	0.26
TSL 40265	Soil		0.5	13.8	34.6	97	<0.1	6.9	5.4	362	3.13	3.1	0.5	<0.5	1.9	17	<0.1	0.1	0.1	24	0.18
TSL 40266	Soil		1.2	13.1	16.3	89	<0.1	6.5	5.1	391	2.87	2.9	0.6	<0.5	2.1	17	<0.1	0.1	0.1	25	0.21
TSL 40267	Soil		0.4	14.1	7.8	99	<0.1	5.6	4.5	317	2.98	2.3	0.4	1.0	1.9	10	<0.1	0.1	<0.1	23	0.11
TSL 40268	Soil		0.5	12.3	14.7	86	<0.1	7.2	5.5	393	2.93	3.9	0.5	<0.5	2.4	11	<0.1	0.2	0.2	31	0.11
TSL 40269	Soil		1.5	24.8	32.8	178	0.2	10.7	6.7	318	2.43	8.1	0.7	6.5	2.7	15	0.6	0.5	0.2	52	0.14
TSL 40699	Soil		0.7	30.7	6.3	35	<0.1	19.3	10.4	196	2.64	8.7	0.4	1.7	2.4	15	<0.1	0.4	0.1	73	0.27
TSL 40710	Soil		0.5	28.0	5.0	44	<0.1	15.4	14.6	287	3.21	5.4	0.3	<0.5	1.4	29	<0.1	0.3	<0.1	98	0.50
TSL 40009	Soil		1.1	17.5	27.4	66	0.2	15.7	9.2	438	2.59	4.6	1.7	2.0	5.3	33	0.2	0.3	0.2	49	0.53
TSL 40010	Soil		0.9	23.3	19.7	68	0.1	14.7	8.1	334	2.57	4.1	1.4	4.8	3.9	33	0.2	0.2	0.2	53	0.49
TSL 40011	Soil		1.0	24.3	30.7	81	0.1	15.1	14.1	718	2.93	5.9	1.0	1.8	3.7	24	0.2	0.3	0.3	63	0.38
TSL 40012	Soil		0.8	15.6	15.2	61	<0.1	12.4	6.7	223	2.12	4.5	0.7	1.1	2.2	21	<0.1	0.3	0.1	47	0.29
TSL 40013	Soil		0.6	12.0	11.3	36	<0.1	7.2	3.8	127	1.45	3.3	0.7	<0.5	1.0	22	0.1	0.2	<0.1	23	0.31
TSL 40014	Soil		0.8	12.8	10.1	37	<0.1	7.2	3.3	96	1.39	3.0	0.6	0.8	0.9	22	0.1	0.2	<0.1	23	0.29
TSL 40015	Soil		0.4	14.2	12.4	49	<0.1	10.5	4.9	140	1.73	4.2	0.7	3.5	1.4	22	<0.1	0.2	<0.1	35	0.31
TSL 40270	Soil		1.8	56.6	42.3	305	0.2	15.9	8.1	671	3.04	11.4	1.4	5.7	3.5	21	0.5	1.5	0.2	45	0.29
TSL 40271	Soil		1.4	30.8	23.0	226	0.3	12.3	5.2	173	2.20	6.1	0.9	4.0	2.9	16	0.7	0.3	0.2	55	0.20
TSL 40272	Soil		1.0	26.0	31.6	326	0.1	11.7	7.7	750	3.15	8.0	0.6	2.4	3.3	14	0.9	0.4	0.2	56	0.20
TSL 40273	Soil		1.2	92.8	20.0	128	0.5	6.5	3.7	222	2.03	12.0	1.6	5.2	1.5	21	0.6	0.2	0.2	35	0.24
TSL 42191	Soil		0.9	31.5	18.6	134	0.2	13.3	7.1	278	2.66	6.7	0.9	5.3	1.8	20	0.2	0.3	0.2	57	0.25
TSL 42193	Soil		0.7	53.1	14.9	63	0.2	8.6	4.5	125	2.41	13.2	0.9	4.1	1.2	24	<0.1	0.2	0.2	39	0.24
TSL 42194	Soil		0.8	50.6	16.5	77	0.2	8.6	4.6	158	2.31	8.1	0.8	4.9	2.1	18	0.1	0.2	0.2	34	0.22
TSL 42197	Soil		0.7	31.6	8.8	40	0.1	6.4	2.8	79	1.59	3.5	0.7	3.2	0.3	16	0.1	0.2	<0.1	22	0.18



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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 42339	Soil	0.015	9	21	0.69	296	0.104	<1	1.84	0.015	0.23	<0.1	<0.01	4.9	0.2	<0.05	7	<0.5
TSL 42340	Soil	0.043	4	7	0.72	237	0.143	2	1.71	0.021	0.50	<0.1	<0.01	8.0	0.2	<0.05	8	<0.5
TSL 42341	Soil	0.027	8	34	0.76	283	0.119	<1	1.76	0.021	0.25	<0.1	<0.01	4.8	0.2	<0.05	8	<0.5
TSL 42389	Soil	0.046	10	39	0.49	234	0.079	2	2.23	0.013	0.11	0.1	<0.01	4.1	0.1	<0.05	7	<0.5
TSL 42390	Soil	0.051	9	34	0.49	264	0.065	<1	2.20	0.014	0.06	0.1	0.01	3.1	<0.1	<0.05	8	<0.5
TSL 42391	Soil	0.030	8	66	0.90	207	0.105	<1	2.19	0.019	0.10	<0.1	<0.01	2.9	<0.1	<0.05	6	<0.5
TSL 42392	Soil	0.045	7	40	0.56	147	0.109	<1	1.52	0.020	0.05	0.1	<0.01	2.4	<0.1	<0.05	7	<0.5
TSL 40264	Soil	0.021	6	22	0.47	211	0.124	<1	1.62	0.013	0.33	0.1	0.01	2.9	0.2	<0.05	7	<0.5
TSL 40265	Soil	0.018	6	11	0.52	200	0.147	<1	1.52	0.011	0.51	<0.1	<0.01	3.4	0.2	<0.05	8	<0.5
TSL 40266	Soil	0.017	6	11	0.40	268	0.062	<1	1.24	0.011	0.29	<0.1	<0.01	3.5	0.1	<0.05	7	<0.5
TSL 40267	Soil	0.016	4	8	0.41	255	0.086	<1	1.46	0.010	0.36	<0.1	<0.01	3.4	0.2	<0.05	7	<0.5
TSL 40268	Soil	0.020	6	18	0.40	227	0.074	<1	1.42	0.008	0.26	<0.1	<0.01	3.3	0.2	<0.05	7	<0.5
TSL 40269	Soil	0.027	15	21	0.26	382	0.031	<1	1.56	0.015	0.08	0.1	0.06	2.4	0.1	<0.05	6	<0.5
TSL 40699	Soil	0.031	7	33	0.51	223	0.072	1	1.83	0.020	0.06	0.1	<0.01	3.0	<0.1	<0.05	6	<0.5
TSL 40710	Soil	0.069	5	21	0.99	201	0.159	<1	1.86	0.035	0.19	<0.1	<0.01	3.3	<0.1	<0.05	7	<0.5
TSL 40009	Soil	0.054	34	23	0.41	459	0.078	2	1.77	0.022	0.11	0.2	0.05	5.3	0.1	<0.05	6	0.7
TSL 40010	Soil	0.055	19	26	0.52	374	0.093	1	1.67	0.024	0.14	0.1	0.02	4.6	0.1	0.06	6	<0.5
TSL 40011	Soil	0.066	14	25	0.57	301	0.088	1	1.62	0.019	0.14	0.2	0.03	3.9	0.1	<0.05	6	<0.5
TSL 40012	Soil	0.041	10	22	0.47	207	0.074	3	1.33	0.017	0.07	0.2	0.03	2.9	<0.1	<0.05	6	<0.5
TSL 40013	Soil	0.047	8	15	0.22	180	0.044	3	0.82	0.016	0.05	0.2	0.06	2.1	<0.1	0.06	4	<0.5
TSL 40014	Soil	0.041	7	14	0.22	150	0.047	2	0.80	0.015	0.05	0.2	0.04	2.0	<0.1	0.06	4	<0.5
TSL 40015	Soil	0.045	9	21	0.37	150	0.066	2	1.12	0.018	0.06	0.2	0.04	2.6	<0.1	<0.05	5	<0.5
TSL 40270	Soil	0.031	17	25	0.39	666	0.023	2	1.71	0.014	0.14	<0.1	0.11	4.9	<0.1	<0.05	5	<0.5
TSL 40271	Soil	0.023	21	24	0.42	360	0.058	2	1.79	0.014	0.09	0.2	0.07	3.4	<0.1	<0.05	7	<0.5
TSL 40272	Soil	0.034	11	23	0.40	241	0.054	2	1.74	0.016	0.10	0.1	0.02	3.1	<0.1	<0.05	6	<0.5
TSL 40273	Soil	0.066	24	14	0.24	307	0.040	1	1.07	0.018	0.08	0.2	0.12	2.8	<0.1	0.09	5	<0.5
TSL 42191	Soil	0.044	12	27	0.46	232	0.074	2	1.83	0.017	0.12	0.2	0.06	3.7	<0.1	<0.05	7	<0.5
TSL 42193	Soil	0.044	12	17	0.28	236	0.046	2	1.25	0.018	0.08	0.1	0.06	2.7	<0.1	0.09	5	<0.5
TSL 42194	Soil	0.038	12	16	0.29	192	0.054	2	1.16	0.015	0.09	0.1	0.06	2.6	<0.1	<0.05	5	<0.5
TSL 42197	Soil	0.058	7	14	0.17	114	0.041	2	0.86	0.017	0.05	0.1	0.06	1.6	<0.1	0.10	4	<0.5



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Report Date: July 24, 2009

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QUALITY CONTROL REPORT

VAN09002984.1

	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 40951	Soil		0.9	30.8	18.6	63	<0.1	13.9	15.0	809	4.18	5.7	0.5	1.0	2.3	18	<0.1	0.4	0.1	92	0.28
REP TSL 40951	QC		0.9	29.6	18.2	65	<0.1	13.5	14.3	755	3.94	5.6	0.5	0.7	2.3	18	0.1	0.4	0.1	88	0.26
TSL 42517	Soil		0.6	42.8	29.7	90	0.1	21.5	16.2	549	3.17	5.8	0.9	4.6	2.9	33	0.4	0.3	0.2	56	0.50
REP TSL 42517	QC		0.7	40.0	31.1	91	<0.1	22.6	15.8	570	3.13	6.1	1.0	3.1	3.0	33	0.3	0.4	0.2	56	0.52
TSL 40947	Soil		0.3	130.8	10.7	107	<0.1	24.5	32.5	663	5.86	2.6	0.3	<0.5	1.5	14	<0.1	0.1	<0.1	170	0.22
REP TSL 40947	QC		0.3	133.6	10.8	111	<0.1	25.0	34.7	681	6.23	2.7	0.3	0.6	1.4	14	<0.1	0.1	<0.1	172	0.24
TSL 42698	Soil		0.8	209.8	29.5	178	0.3	10.8	10.1	377	3.77	6.1	0.7	8.1	2.8	38	0.2	0.3	0.4	62	0.23
REP TSL 42698	QC		0.8	211.5	30.1	184	0.3	11.7	10.8	368	3.88	5.8	0.7	7.9	2.8	38	0.1	0.3	0.4	62	0.23
TSL 42706	Soil		0.8	94.8	26.9	527	<0.1	54.9	21.0	680	3.44	5.6	0.4	2.8	1.6	26	0.9	0.2	0.1	95	0.38
REP TSL 42706	QC		0.7	102.4	28.7	549	<0.1	58.3	21.2	716	3.69	5.9	0.4	2.2	1.7	26	1.2	0.1	0.1	98	0.39
TSL 42451	Soil		1.4	26.6	24.7	127	0.1	10.8	6.0	286	3.01	9.0	0.6	2.2	2.2	18	0.2	0.3	0.2	55	0.15
REP TSL 42451	QC		1.4	25.5	25.7	128	0.1	11.8	5.8	277	3.09	8.9	0.6	2.8	2.4	18	0.2	0.3	0.3	56	0.15
TSL 42460	Soil		1.0	183.5	58.5	294	0.1	21.0	14.9	564	5.04	25.1	1.2	3.2	4.5	32	0.3	0.3	0.5	85	0.28
REP TSL 42460	QC		1.0	178.2	52.5	290	0.1	19.4	14.1	564	4.90	24.1	1.1	2.5	4.1	31	0.3	0.3	0.5	81	0.27
TSL 40597	Soil		0.9	11.0	18.6	57	<0.1	12.2	13.2	1209	2.31	5.0	0.8	2.8	3.0	23	0.2	0.2	0.2	45	0.36
REP TSL 40597	QC		1.0	11.9	19.4	60	<0.1	12.2	14.2	1267	2.36	5.0	0.8	3.2	3.1	23	0.1	0.2	0.2	47	0.36
TSL 42350	Soil		0.7	30.8	9.7	64	<0.1	18.6	10.1	327	3.06	7.4	0.4	5.4	2.2	22	<0.1	0.3	<0.1	63	0.39
REP TSL 42350	QC		0.5	32.2	9.6	64	<0.1	18.4	10.5	328	3.02	7.6	0.4	2.6	2.1	23	<0.1	0.4	<0.1	64	0.39
TSL 40452	Soil		0.7	38.3	12.2	147	0.2	17.9	11.3	665	4.08	7.5	0.6	3.7	3.8	24	0.1	0.3	0.1	63	0.35
REP TSL 40452	QC		0.6	37.8	12.6	152	0.1	19.4	11.2	676	4.20	7.5	0.6	2.0	3.9	25	0.1	0.3	0.1	65	0.37
TSL 42118	Soil		0.7	80.3	34.5	104	0.1	9.8	6.2	284	2.80	5.5	0.7	1.9	3.4	16	0.2	0.3	0.3	48	0.16
REP TSL 42118	QC		0.8	79.4	32.1	106	0.1	10.1	6.0	279	2.79	5.3	0.7	1.9	3.3	16	0.2	0.3	0.3	48	0.16
TSL 42365	Soil		0.5	19.8	10.7	55	<0.1	9.4	8.5	309	2.37	4.1	0.5	1.1	2.0	14	<0.1	0.2	0.1	49	0.21
REP TSL 42365	QC		0.5	20.1	10.8	56	<0.1	8.7	8.1	314	2.28	4.2	0.6	0.6	2.2	14	<0.1	0.2	0.1	47	0.19
TSL 40862	Soil		1.2	30.7	31.7	75	0.2	16.6	10.6	411	3.18	8.9	1.5	4.0	4.3	43	0.1	0.3	0.2	61	0.38
REP TSL 40862	QC		1.2	31.8	32.7	74	0.2	15.3	10.7	430	3.14	8.8	1.6	2.8	4.2	42	0.2	0.4	0.2	60	0.40
TSL 42206	Soil		0.6	43.0	21.9	72	0.1	27.2	11.2	278	2.47	4.6	0.5	1.3	1.8	32	0.1	0.3	0.1	67	0.38
REP TSL 42206	QC		0.6	43.0	21.7	73	0.1	26.9	10.9	273	2.39	5.0	0.4	0.8	1.8	33	0.1	0.3	0.1	65	0.39



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Project: TSL

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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 40951	Soil	0.041	8	20	0.40	389	0.033	2	1.41	0.011	0.21	<0.1	0.01	8.1	0.1	<0.05	6	<0.5
REP TSL 40951	QC	0.040	8	19	0.40	380	0.033	3	1.43	0.011	0.20	<0.1	0.01	7.7	0.1	<0.05	6	<0.5
TSL 42517	Soil	0.056	18	28	0.63	327	0.097	1	1.56	0.025	0.17	<0.1	0.03	5.7	<0.1	<0.05	6	0.6
REP TSL 42517	QC	0.061	18	28	0.67	322	0.097	2	1.58	0.026	0.17	<0.1	0.03	6.0	0.1	0.05	6	0.6
TSL 40947	Soil	0.054	4	24	1.89	397	0.270	<1	3.03	0.018	1.34	<0.1	<0.01	7.9	0.4	<0.05	11	<0.5
REP TSL 40947	QC	0.056	4	26	1.92	394	0.281	<1	3.20	0.020	1.41	<0.1	<0.01	8.2	0.4	<0.05	11	<0.5
TSL 42698	Soil	0.020	8	19	0.54	483	0.104	<1	1.55	0.033	0.24	<0.1	0.03	4.8	0.2	0.11	6	1.0
REP TSL 42698	QC	0.022	8	20	0.56	464	0.106	1	1.68	0.032	0.26	<0.1	0.03	4.9	0.2	0.13	6	1.2
TSL 42706	Soil	0.050	7	120	1.62	489	0.142	1	2.19	0.019	0.32	<0.1	0.01	6.0	<0.1	<0.05	7	0.6
REP TSL 42706	QC	0.049	7	128	1.65	513	0.166	<1	2.15	0.020	0.33	0.1	0.02	6.1	<0.1	<0.05	7	0.8
TSL 42451	Soil	0.035	10	22	0.40	170	0.090	2	1.74	0.013	0.09	<0.1	0.02	5.1	0.1	<0.05	9	0.6
REP TSL 42451	QC	0.033	10	20	0.43	187	0.086	2	1.65	0.013	0.10	0.1	0.01	5.0	0.1	<0.05	9	<0.5
TSL 42460	Soil	0.046	15	47	1.28	438	0.135	1	2.11	0.019	0.60	<0.1	0.02	7.7	0.4	0.08	10	0.9
REP TSL 42460	QC	0.045	14	44	1.19	418	0.137	1	2.09	0.017	0.57	<0.1	0.02	7.3	0.3	0.10	9	1.0
TSL 40597	Soil	0.056	11	19	0.46	273	0.067	1	1.24	0.015	0.07	0.1	0.03	3.2	0.1	<0.05	5	<0.5
REP TSL 40597	QC	0.056	11	19	0.46	282	0.070	1	1.28	0.015	0.07	0.2	0.04	3.2	0.1	<0.05	5	<0.5
TSL 42350	Soil	0.056	8	26	0.64	183	0.090	1	1.60	0.020	0.10	0.1	0.02	4.0	<0.1	<0.05	6	<0.5
REP TSL 42350	QC	0.060	7	25	0.64	179	0.088	<1	1.61	0.017	0.10	0.1	0.02	4.1	<0.1	<0.05	5	<0.5
TSL 40452	Soil	0.044	13	27	0.86	271	0.163	<1	2.03	0.013	0.74	<0.1	0.02	5.6	0.2	<0.05	8	<0.5
REP TSL 40452	QC	0.045	13	27	0.89	278	0.168	1	2.08	0.013	0.77	0.1	<0.01	5.8	0.2	<0.05	8	<0.5
TSL 42118	Soil	0.030	13	16	0.41	212	0.078	<1	1.38	0.010	0.12	<0.1	0.01	4.4	0.1	<0.05	6	<0.5
REP TSL 42118	QC	0.029	12	17	0.40	203	0.079	<1	1.43	0.009	0.12	<0.1	0.02	4.5	0.1	<0.05	6	<0.5
TSL 42365	Soil	0.039	10	16	0.37	164	0.072	<1	1.23	0.012	0.08	<0.1	0.02	3.4	<0.1	<0.05	5	<0.5
REP TSL 42365	QC	0.036	10	16	0.37	166	0.070	<1	1.22	0.012	0.08	0.1	0.02	3.2	<0.1	<0.05	5	<0.5
TSL 40862	Soil	0.051	20	28	0.58	525	0.093	<1	1.81	0.018	0.10	0.1	0.03	5.5	0.1	<0.05	6	<0.5
REP TSL 40862	QC	0.056	20	28	0.60	522	0.095	1	1.92	0.021	0.10	0.1	0.03	5.4	<0.1	<0.05	7	0.5
TSL 42206	Soil	0.042	8	51	0.85	322	0.124	<1	1.43	0.028	0.13	<0.1	<0.01	3.4	0.1	<0.05	5	<0.5
REP TSL 42206	QC	0.042	8	52	0.83	342	0.127	<1	1.43	0.028	0.12	<0.1	0.01	3.4	0.1	<0.05	5	<0.5



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		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 45103	Soil		1.3	56.8	64.0	64	0.7	9.7	4.9	149	2.49	4.5	1.0	3.8	1.7	24	<0.1	0.3	0.2	44	0.20
REP TSL 45103	QC		1.0	55.0	62.1	62	0.7	9.9	4.6	134	2.37	4.1	1.0	4.5	1.7	21	<0.1	0.2	0.2	42	0.19
TSL 45107	Soil		0.7	36.9	24.2	89	0.2	12.8	14.4	445	3.02	6.7	1.0	2.6	2.2	26	0.3	0.2	0.2	51	0.29
REP TSL 45107	QC		0.8	36.2	23.0	90	0.2	13.5	14.8	486	3.16	6.5	1.0	5.1	2.0	25	0.2	0.2	0.2	52	0.29
TSL 39215	Soil		0.7	23.8	7.1	59	<0.1	21.7	11.1	290	2.70	7.8	0.8	5.5	3.6	33	0.2	0.4	0.1	58	0.49
REP TSL 39215	QC		0.7	22.1	6.9	55	<0.1	20.0	10.4	291	2.50	7.7	0.8	2.9	3.6	34	0.1	0.4	0.1	57	0.47
TSL 39198	Soil		0.6	32.1	7.4	59	<0.1	25.8	11.8	421	2.62	9.4	0.5	5.3	2.9	38	0.2	0.6	0.1	60	0.62
REP TSL 39198	QC		0.7	31.8	7.7	62	<0.1	25.2	12.3	451	2.80	9.0	0.5	6.5	3.0	41	<0.1	0.6	0.1	64	0.66
TSL 42466	Soil		1.5	40.5	21.8	71	<0.1	11.1	8.7	403	3.24	13.3	0.9	1.8	3.9	17	0.1	0.3	0.2	49	0.15
REP TSL 42466	QC		1.4	39.7	21.5	68	<0.1	11.9	8.9	416	3.39	13.0	0.9	2.2	4.0	17	0.1	0.3	0.2	50	0.14
TSL 40960	Soil		5.7	173.6	13.3	123	<0.1	20.9	30.9	1087	7.44	4.8	0.5	1.9	1.9	48	<0.1	0.4	<0.1	214	0.69
REP TSL 40960	QC		5.5	174.8	13.1	119	<0.1	20.5	30.7	1061	7.32	4.7	0.5	3.2	1.9	46	<0.1	0.4	<0.1	209	0.68
TSL 42192	Soil		0.5	26.9	7.2	51	<0.1	4.7	2.5	116	1.38	12.2	0.6	6.0	1.0	18	0.2	0.1	0.1	18	0.18
REP TSL 42192	QC		0.5	25.6	7.6	51	<0.1	4.2	2.4	108	1.32	11.3	0.6	0.8	1.1	18	0.3	0.1	0.1	19	0.17
TSL 42326	Soil		1.2	282.9	28.4	241	0.3	7.4	5.7	256	4.08	5.1	0.7	8.7	2.4	28	0.1	0.2	0.6	78	0.21
REP TSL 42326	QC		1.2	287.6	28.1	248	0.3	7.4	5.5	255	4.04	4.9	0.6	5.9	2.5	28	<0.1	0.2	0.6	77	0.21
TSL 40265	Soil		0.5	13.8	34.6	97	<0.1	6.9	5.4	362	3.13	3.1	0.5	<0.5	1.9	17	<0.1	0.1	0.1	24	0.18
REP TSL 40265	QC		0.4	14.5	34.0	101	<0.1	6.8	5.1	358	3.10	3.2	0.5	<0.5	1.9	17	<0.1	0.1	0.1	23	0.16
TSL 40270	Soil		1.8	56.6	42.3	305	0.2	15.9	8.1	671	3.04	11.4	1.4	5.7	3.5	21	0.5	1.5	0.2	45	0.29
REP TSL 40270	QC		1.8	55.3	43.6	306	0.2	16.5	8.0	661	3.10	12.0	1.3	12.8	3.7	23	0.5	1.5	0.2	46	0.28
Reference Materials																					
STD DS7	Standard		20.4	109.5	68.9	413	0.9	55.3	9.6	606	2.32	56.8	5.0	73.4	4.1	81	7.3	6.3	4.7	81	0.90
STD DS7	Standard		20.9	117.2	73.1	416	0.9	57.6	9.7	613	2.47	55.4	5.3	72.3	4.4	75	7.0	6.5	5.2	84	1.00
STD DS7	Standard		22.1	118.7	69.5	421	0.8	60.0	10.4	679	2.55	55.3	5.0	68.6	4.3	82	7.5	6.5	5.0	90	1.00
STD DS7	Standard		20.3	116.1	69.3	413	0.8	56.3	9.7	675	2.53	55.2	4.9	65.2	4.6	83	7.2	6.3	4.7	83	0.94
STD DS7	Standard		21.4	109.5	67.1	387	0.8	57.6	9.8	621	2.37	51.9	4.7	55.6	4.2	71	6.0	5.6	4.6	82	0.95
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		19.2	109.5	70.1	384	0.8	55.8	9.3	603	2.38	47.0	4.5	61.4	4.3	64	5.8	4.6	3.7	78	0.89
STD DS7	Standard		21.2	107.4	68.7	381	0.8	54.9	9.3	610	2.36	45.9	5.0	65.2	4.6	68	5.4	5.0	3.8	83	0.98



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		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
TSL 45103	Soil	0.046	15	16	0.37	286	0.080	2	1.28	0.022	0.13	0.1	0.09	3.0	0.3	0.16	4
REP TSL 45103	QC	0.045	13	15	0.36	278	0.073	2	1.17	0.020	0.12	<0.1	0.07	2.8	0.2	0.15	4
TSL 45107	Soil	0.069	16	23	0.50	314	0.073	1	1.51	0.014	0.13	0.1	0.06	5.9	<0.1	<0.05	6
REP TSL 45107	QC	0.071	16	24	0.50	317	0.072	1	1.51	0.015	0.13	0.1	0.06	6.2	<0.1	0.05	6
TSL 39215	Soil	0.075	16	30	0.60	261	0.090	1	1.46	0.026	0.06	0.2	0.03	3.9	<0.1	<0.05	5
REP TSL 39215	QC	0.077	16	30	0.57	260	0.086	2	1.45	0.026	0.06	0.2	0.03	3.8	<0.1	<0.05	5
TSL 39198	Soil	0.080	12	29	0.59	249	0.087	1	1.47	0.033	0.06	0.2	0.03	3.9	<0.1	<0.05	4
REP TSL 39198	QC	0.083	13	32	0.64	281	0.097	2	1.52	0.033	0.07	0.2	0.02	3.9	<0.1	<0.05	4
TSL 42466	Soil	0.031	15	21	0.57	256	0.097	<1	1.54	0.010	0.20	<0.1	0.02	3.9	0.1	<0.05	7
REP TSL 42466	QC	0.033	15	22	0.60	236	0.098	1	1.63	0.010	0.19	0.1	0.03	4.0	0.1	<0.05	7
TSL 40960	Soil	0.071	11	43	1.76	160	0.076	1	2.77	0.029	0.07	<0.1	0.02	18.3	<0.1	<0.05	13
REP TSL 40960	QC	0.068	11	40	1.72	160	0.072	1	2.66	0.026	0.07	<0.1	0.02	18.6	<0.1	<0.05	12
TSL 42192	Soil	0.031	9	9	0.25	123	0.047	2	0.79	0.016	0.07	<0.1	0.04	1.9	<0.1	0.09	4
REP TSL 42192	QC	0.031	9	10	0.24	121	0.042	1	0.78	0.015	0.07	<0.1	0.04	1.8	<0.1	0.05	3
TSL 42326	Soil	0.027	11	15	0.58	920	0.112	<1	1.84	0.026	0.37	0.1	0.03	6.5	0.6	0.18	8
REP TSL 42326	QC	0.026	11	15	0.57	897	0.116	<1	1.92	0.026	0.37	<0.1	0.03	6.5	0.4	0.19	8
TSL 40265	Soil	0.018	6	11	0.52	200	0.147	<1	1.52	0.011	0.51	<0.1	<0.01	3.4	0.2	<0.05	8
REP TSL 40265	QC	0.018	6	12	0.51	198	0.140	<1	1.54	0.011	0.50	<0.1	<0.01	3.3	0.2	<0.05	8
TSL 40270	Soil	0.031	17	25	0.39	666	0.023	2	1.71	0.014	0.14	<0.1	0.11	4.9	<0.1	<0.05	5
REP TSL 40270	QC	0.032	17	26	0.42	665	0.023	2	1.72	0.014	0.14	0.1	0.11	4.9	<0.1	<0.05	5
Reference Materials																	
STD DS7	Standard	0.088	13	191	1.06	422	0.119	39	1.06	0.109	0.48	3.8	0.21	2.7	4.0	0.16	5
STD DS7	Standard	0.083	13	204	1.01	432	0.124	43	0.96	0.089	0.51	4.0	0.21	2.6	4.3	0.23	5
STD DS7	Standard	0.096	14	223	1.12	436	0.137	42	1.15	0.109	0.52	4.0	0.21	2.7	4.2	0.15	5
STD DS7	Standard	0.087	15	201	1.11	411	0.130	43	1.01	0.111	0.48	3.7	0.21	2.8	4.1	0.20	5
STD DS7	Standard	0.073	13	208	1.03	399	0.117	40	1.00	0.094	0.50	3.7	0.18	2.3	3.8	0.15	5
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
STD DS7	Standard	0.070	12	199	1.00	371	0.108	34	0.96	0.091	0.43	3.2	0.19	2.3	3.8	0.17	5
STD DS7	Standard	0.071	14	214	0.99	415	0.122	35	1.08	0.111	0.44	3.6	0.21	2.7	4.1	0.16	5



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QUALITY CONTROL REPORT

VAN09002984.1

		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		19.1	114.3	74.3	371	0.8	56.6	8.8	603	2.48	51.6	4.9	80.4	4.6	75	6.4	6.6	4.8	82	0.98
STD DS7	Standard		18.5	93.3	59.1	339	0.8	50.0	8.3	580	2.19	47.1	4.1	50.8	3.7	68	5.4	5.0	3.9	78	0.85
STD DS7	Standard		22.0	113.7	73.3	387	0.8	58.0	9.8	647	2.48	48.5	5.3	65.5	4.8	74	6.1	5.7	3.7	93	1.04
STD DS7	Standard		20.9	113.2	71.2	416	0.9	57.5	9.8	655	2.53	50.0	4.9	85.8	4.4	70	6.2	5.8	3.9	89	0.99
STD DS7	Standard		21.8	107.4	78.3	400	0.9	58.9	9.8	681	2.62	52.0	5.7	79.9	5.3	91	6.5	6.5	4.8	88	1.08
STD DS7	Standard		19.5	102.5	67.5	381	0.8	55.1	8.8	617	2.27	46.3	5.0	73.7	4.7	73	5.7	5.3	4.2	82	0.89
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



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QUALITY CONTROL REPORT

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		1DX15 P %	1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 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
STD DS7	Standard	0.067	14	207	1.00	416	0.115	36	1.00	0.099	0.50	3.6	0.18	2.6	4.3	0.14	5	3.7
STD DS7	Standard	0.072	12	199	0.93	372	0.110	39	0.96	0.093	0.44	3.7	0.18	2.3	3.7	0.16	4	3.5
STD DS7	Standard	0.075	15	244	1.03	417	0.129	37	1.14	0.104	0.48	3.8	0.18	2.8	4.2	0.21	5	4.3
STD DS7	Standard	0.079	14	218	1.07	419	0.123	37	1.08	0.103	0.48	4.2	0.20	2.6	4.4	0.20	5	3.0
STD DS7	Standard	0.079	16	236	1.15	433	0.142	41	1.18	0.121	0.49	4.2	0.21	2.8	4.5	0.22	5	4.9
STD DS7	Standard	0.074	13	185	1.01	399	0.126	39	1.02	0.098	0.44	3.8	0.19	2.5	4.0	0.18	5	3.1
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