



**BUREAU
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MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Kluane Mineral Resources Inc.

101 - 1191 Front St.

Whitehorse Yukon Y1A 0K5 Canada

Submitted By: Debbie James

Receiving Lab: Canada-Whitehorse

Received: September 26, 2016

Report Date: October 21, 2016

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CERTIFICATE OF ANALYSIS

WHI16000304.1

CLIENT JOB INFORMATION

Project: Kluane West
Shipment ID:
P.O. Number
Number of Samples: 256

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 90 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.


Invoice To: Kluane Mineral Resources Inc.
101 - 1191 Front St.
Whitehorse Yukon Y1A 0K5
Canada

CC: Cam MacKay-Stotesbury
Sue Craig

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS230	256	Dry at 60C sieve 100g to -230 mesh			WHI
SVRJT	256	Save all or part of Soil Reject			WHI
AQ251_EXT	256	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
SHP01	256	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS


JEFFREY CANNON
Geochemistry Department Supervisor

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. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. *** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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CERTIFICATE OF ANALYSIS

WHI16000304.1

Method Analyte Unit MDL	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P		
	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001		
1531201	Soil	0.82	61.68	7.59	88.9	113	97.3	24.5	677	3.88	8.8	0.7	7.7	2.5	42.8	0.18	0.64	0.14	84	0.96	0.089	
1531202	Soil	0.86	52.11	9.00	89.7	90	91.5	22.5	394	3.87	7.2	0.8	3.4	2.3	39.9	0.17	0.61	0.15	91	0.79	0.052	
1531203	Soil	1.78	47.51	8.18	60.2	149	57.9	35.3	1347	3.30	12.4	0.6	3.2	1.6	39.2	0.16	0.64	0.12	64	0.80	0.072	
1531204	Soil	0.94	52.10	9.01	93.3	77	77.6	24.9	614	3.94	9.9	0.7	2.1	2.7	38.4	0.23	0.63	0.14	85	0.82	0.046	
1531205	Soil	0.88	96.52	7.53	89.0	158	129.7	28.4	785	3.84	8.6	1.2	4.2	2.3	48.5	0.19	0.73	0.14	84	1.15	0.072	
1531206	Soil	0.61	61.27	6.59	88.7	100	98.3	24.0	613	3.97	8.2	0.5	2.1	2.1	43.6	0.23	0.52	0.09	89	1.07	0.080	
1531207	Soil	2.08	158.97	15.23	133.5	378	98.5	38.6	1231	4.82	14.6	0.8	5.4	2.0	78.2	0.66	0.87	0.16	108	3.33	0.093	
1531208	Soil	0.31	68.80	5.82	85.6	101	174.3	27.9	342	3.71	3.6	0.7	2.9	2.0	43.3	0.17	0.49	0.10	72	1.10	0.062	
1531209	Soil	0.55	62.10	4.59	76.4	100	189.0	34.2	776	3.58	4.5	0.6	3.9	1.7	41.4	0.20	0.40	0.07	68	1.04	0.068	
1531210	Soil	0.67	73.50	5.80	72.0	51	157.3	31.1	588	3.96	6.0	0.5	2.7	1.8	40.6	0.18	0.40	0.07	89	1.02	0.063	
1531211	Soil	0.53	95.71	5.96	82.1	78	186.4	38.5	681	4.10	5.8	0.7	3.0	2.1	44.0	0.19	0.52	0.09	93	1.09	0.068	
1531212	Soil	1.03	100.41	5.49	84.9	185	174.5	28.1	935	3.30	7.6	0.9	3.2	1.0	58.8	0.40	0.74	0.09	53	1.47	0.104	
1531214	Soil	1.09	84.36	9.41	101.5	158	76.7	23.7	779	4.09	10.0	0.6	2.0	2.8	77.4	0.39	0.74	0.13	84	2.78	0.098	
1531215	Soil	1.06	54.57	7.59	96.2	110	50.3	17.7	446	3.12	8.7	0.7	2.1	2.1	44.5	0.42	0.66	0.12	65	0.87	0.079	
1531216	Soil	0.94	57.39	7.09	62.7	111	45.5	16.4	522	2.79	8.7	0.8	4.0	1.3	47.0	0.11	0.69	0.11	60	1.03	0.066	
1531217	Soil	0.81	61.66	7.33	102.8	138	101.4	23.8	764	3.94	9.2	0.8	2.5	2.3	50.4	0.21	0.58	0.10	80	1.05	0.085	
1531218	Soil	1.09	51.15	7.38	94.9	118	50.3	18.2	614	3.18	8.8	0.7	2.5	1.9	49.2	0.34	0.70	0.13	63	0.93	0.086	
1531219	Soil	1.37	47.09	8.15	102.5	97	47.7	20.1	799	3.22	9.6	0.7	4.3	1.7	47.2	0.30	0.70	0.13	68	0.88	0.082	
1531220	Soil	0.86	78.54	8.36	93.3	142	78.3	22.8	664	3.83	8.4	0.6	2.3	2.5	50.4	0.36	0.69	0.12	81	1.33	0.092	
1531221	Soil	1.17	70.48	8.09	89.7	137	62.9	21.3	622	3.77	9.6	0.7	2.8	2.3	44.5	0.21	0.68	0.13	77	0.83	0.082	
1531222	Soil	1.40	58.13	9.89	68.6	181	42.0	15.4	576	2.69	9.7	0.8	2.5	1.1	48.8	0.22	0.78	0.14	55	0.98	0.076	
1531223	Soil	1.05	107.79	9.37	72.4	105	66.8	18.8	653	3.37	10.1	0.7	3.6	1.8	47.1	0.19	0.80	0.12	73	1.43	0.058	
1531224	Soil	1.02	35.41	9.11	129.5	88	55.1	23.3	650	3.78	8.9	0.6	3.5	2.5	46.2	0.34	0.62	0.14	86	0.77	0.074	
1531225	Soil	1.28	67.58	6.38	90.8	106	88.8	19.9	631	3.04	14.4	1.1	2.8	1.4	61.3	0.32	0.72	0.11	60	1.17	0.086	
1531226	Soil	1.07	51.94	6.28	68.1	96	46.6	16.0	483	2.78	6.8	0.7	2.2	1.2	49.3	0.26	0.64	0.10	62	1.14	0.095	
1531227	Soil	0.91	68.38	6.90	98.4	121	70.1	22.5	712	3.98	8.2	0.5	2.7	2.5	77.2	0.40	0.61	0.11	85	2.61	0.104	
1531228	Soil	0.62	47.15	4.71	58.8	56	30.1	11.4	358	1.82	7.4	0.5	3.3	0.5	44.8	0.24	0.58	0.08	36	1.48	0.068	
1531229	Soil	0.57	50.80	7.66	92.4	121	56.9	17.6	423	3.48	5.5	0.7	2.5	2.3	43.8	0.23	0.61	0.11	80	0.87	0.084	
1531230	Soil	1.01	68.83	6.73	85.8	141	69.3	20.1	652	3.45	8.8	0.6	4.6	2.0	55.4	0.27	0.60	0.10	77	1.43	0.105	
1531231	Soil	1.10	48.56	8.85	86.1	112	75.7	24.2	663	3.73	8.2	0.8	3.0	2.1	46.3	0.19	0.67	0.10	83	1.05	0.088	



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Method Analyte	AQ251 La		AQ251 Cr		AQ251 Mg		AQ251 Ba		AQ251 Ti		AQ251 B		AQ251 Al		AQ251 Na		AQ251 K		AQ251 W		AQ251 Sc		AQ251 Ti		AQ251 S		AQ251 Hg		AQ251 Se		AQ251 Te		AQ251 Ga		AQ251 Cs		AQ251 Ge		AQ251 Hf		
	Unit	ppm	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	5	0.1	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
1531201	Soil	12.5	84.6	1.58	117.8	0.141	7	2.02	0.027	0.13	<0.1	7.4	0.09	0.02	49	<0.1	0.04	5.6	0.92	<0.1	0.10																				
1531202	Soil	12.1	102.8	1.62	136.3	0.152	5	2.38	0.020	0.11	<0.1	9.0	0.11	0.03	54	0.1	0.04	6.4	0.93	<0.1	0.12																				
1531203	Soil	9.2	58.6	0.98	131.8	0.089	5	1.46	0.038	0.09	0.1	5.6	0.09	0.05	28	0.3	0.04	4.5	0.71	<0.1	0.04																				
1531204	Soil	14.0	87.8	1.48	148.0	0.142	5	2.35	0.023	0.12	<0.1	7.7	0.12	<0.02	43	0.1	0.05	6.7	1.04	<0.1	0.15																				
1531205	Soil	14.6	97.4	1.51	156.4	0.139	6	2.19	0.023	0.10	<0.1	9.4	0.10	0.04	88	0.4	0.02	6.2	0.94	<0.1	0.16																				
1531206	Soil	11.0	86.0	1.66	107.7	0.168	7	2.10	0.027	0.13	<0.1	8.4	0.09	0.02	51	0.3	0.04	5.8	0.87	<0.1	0.15																				
1531207	Soil	13.9	103.0	2.33	374.4	0.134	9	2.50	0.038	0.18	<0.1	11.9	0.16	0.04	184	1.1	0.09	6.7	2.56	<0.1	0.26																				
1531208	Soil	11.2	133.2	2.27	95.9	0.131	4	2.53	0.030	0.08	<0.1	8.5	0.09	0.05	60	0.3	<0.02	6.1	0.88	<0.1	0.17																				
1531209	Soil	9.9	124.3	2.20	100.9	0.133	5	2.37	0.036	0.07	<0.1	7.5	0.08	0.04	47	0.2	0.03	5.7	0.90	<0.1	0.11																				
1531210	Soil	9.5	114.9	2.06	81.9	0.176	6	2.29	0.032	0.09	<0.1	9.4	0.08	0.02	45	<0.1	0.03	5.9	0.88	<0.1	0.18																				
1531211	Soil	11.4	126.1	2.16	102.4	0.173	6	2.45	0.032	0.08	<0.1	10.3	0.08	0.02	78	0.3	0.02	6.2	1.01	<0.1	0.23																				
1531212	Soil	12.0	102.4	1.74	119.4	0.067	7	2.23	0.031	0.08	<0.1	5.9	0.09	0.10	46	0.5	0.04	4.9	0.84	<0.1	0.08																				
1531214	Soil	14.0	84.7	1.65	150.9	0.145	6	2.23	0.027	0.22	<0.1	8.1	0.14	<0.02	58	0.3	0.04	6.1	1.13	<0.1	0.16																				
1531215	Soil	12.9	64.4	1.09	123.6	0.107	4	1.72	0.023	0.14	<0.1	6.3	0.10	0.05	55	0.3	0.04	5.0	0.88	<0.1	0.11																				
1531216	Soil	11.6	57.1	0.90	152.1	0.075	3	1.57	0.027	0.09	0.1	5.2	0.10	0.06	34	0.5	0.03	4.7	0.82	<0.1	0.05																				
1531217	Soil	12.9	122.9	1.62	142.9	0.122	6	2.09	0.026	0.16	<0.1	8.5	0.12	0.05	43	0.2	0.02	6.0	1.08	<0.1	0.12																				
1531218	Soil	12.2	61.6	1.09	131.8	0.091	5	1.71	0.027	0.14	<0.1	5.9	0.11	0.07	51	0.4	0.04	4.7	0.84	<0.1	0.08																				
1531219	Soil	11.3	64.2	1.11	135.2	0.096	4	1.79	0.023	0.13	<0.1	5.6	0.11	0.06	42	0.2	0.05	5.2	0.93	<0.1	0.05																				
1531220	Soil	14.0	87.0	1.50	138.1	0.126	5	2.12	0.024	0.18	<0.1	8.1	0.12	0.03	59	0.4	0.03	6.1	0.97	<0.1	0.13																				
1531221	Soil	14.3	78.3	1.31	148.2	0.117	4	2.03	0.026	0.17	<0.1	7.4	0.12	0.03	44	0.4	0.06	5.9	0.99	<0.1	0.10																				
1531222	Soil	11.8	53.1	0.79	150.4	0.057	5	1.50	0.018	0.11	<0.1	4.9	0.10	0.08	49	0.4	0.05	4.7	0.85	<0.1	0.04																				
1531223	Soil	15.4	72.2	1.14	169.5	0.100	5	1.86	0.028	0.11	<0.1	7.4	0.08	0.05	66	0.7	0.03	5.1	0.75	<0.1	0.11																				
1531224	Soil	10.2	81.5	1.35	120.8	0.133	5	2.14	0.022	0.16	<0.1	7.3	0.12	0.03	41	0.1	0.04	6.6	1.14	<0.1	0.08																				
1531225	Soil	12.3	103.0	1.26	164.7	0.066	6	1.55	0.022	0.11	<0.1	5.7	0.10	0.09	75	0.5	0.03	4.5	1.02	<0.1	0.07																				
1531226	Soil	11.6	55.1	0.95	117.6	0.092	4	1.56	0.023	0.10	<0.1	5.8	0.09	0.07	49	0.3	0.04	4.5	0.79	<0.1	0.07																				
1531227	Soil	13.1	80.8	1.60	138.6	0.149	7	2.08	0.026	0.19	<0.1	8.1	0.12	0.02	50	0.6	0.03	6.1	1.02	<0.1	0.23																				
1531228	Soil	8.5	32.2	0.52	117.5	0.041	3	1.03	0.025	0.07	<0.1	2.9	0.06	0.07	39	0.5	0.04	3.0	0.63	<0.1	0.03																				
1531229	Soil	13.2	79.8	1.33	122.2	0.137	4	2.03	0.023	0.16	<0.1	7.8	0.11	0.04	40	0.2	0.03	5.6	0.97	<0.1	0.14																				
1531230	Soil	14.3	75.9	1.33	130.6	0.132	5	1.86	0.028	0.16	<0.1	7.6	0.14	0.04	51	0.4	0.04	5.5	1.02	<0.1	0.10																				
1531231	Soil	12.6	87.3	1.42	106.3	0.145	4	1.98	0.023	0.13	<0.1	7.9	0.11	0.03	41	0.4	0.02	5.6	0.90	<0.1	0.13																				



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Method	Analyte	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1531201	Soil	0.74	8.5	1.5	<0.05	6.3	8.94	25.9	0.05	<1	0.4	17.3	<10	<2
1531202	Soil	0.99	9.2	1.7	<0.05	5.5	8.19	26.4	0.04	<1	0.3	19.2	<10	<2
1531203	Soil	0.87	7.5	3.8	<0.05	3.0	6.03	21.0	0.02	<1	0.4	11.6	<10	<2
1531204	Soil	1.00	10.4	1.1	<0.05	6.6	9.46	30.1	0.04	<1	0.5	21.5	<10	<2
1531205	Soil	1.22	9.9	1.0	<0.05	6.9	12.75	26.5	0.03	<1	0.4	17.6	<10	<2
1531206	Soil	0.85	8.6	0.8	<0.05	7.3	9.53	22.5	0.02	<1	0.3	16.0	<10	<2
1531207	Soil	0.14	7.3	4.4	<0.05	9.6	13.01	26.9	0.05	5	0.6	23.1	<10	3
1531208	Soil	1.09	7.6	0.9	<0.05	7.6	9.72	22.7	0.04	<1	0.2	14.0	<10	3
1531209	Soil	0.79	6.6	0.8	<0.05	5.0	8.32	19.0	0.02	<1	0.2	12.9	<10	3
1531210	Soil	0.78	7.0	1.5	<0.05	8.1	9.36	19.1	0.02	<1	0.4	13.7	<10	4
1531211	Soil	0.76	7.4	1.4	<0.05	9.1	11.48	22.1	0.04	<1	0.3	15.1	<10	<2
1531212	Soil	0.86	7.0	0.8	<0.05	3.4	10.80	20.7	0.03	<1	0.3	10.4	<10	2
1531214	Soil	0.92	13.6	1.9	<0.05	9.1	11.34	26.9	0.03	<1	0.5	19.2	<10	<2
1531215	Soil	1.23	10.3	0.6	<0.05	5.0	9.28	25.8	0.03	<1	0.4	14.8	<10	<2
1531216	Soil	1.06	8.4	0.9	<0.05	2.8	7.95	22.7	0.03	<1	0.4	12.7	<10	<2
1531217	Soil	1.08	13.2	1.0	<0.05	6.5	10.01	23.5	0.03	2	0.5	17.7	<10	<2
1531218	Soil	1.12	10.3	1.1	<0.05	4.5	8.38	24.3	0.03	<1	0.5	14.1	<10	<2
1531219	Soil	1.04	10.7	1.1	<0.05	3.0	7.15	22.6	0.03	<1	0.3	14.8	<10	<2
1531220	Soil	1.07	11.2	2.3	<0.05	7.6	11.04	27.8	0.03	<1	0.5	17.4	<10	<2
1531221	Soil	1.17	12.3	0.9	<0.05	5.5	10.41	27.2	0.03	<1	0.5	17.9	<10	<2
1531222	Soil	1.06	9.0	5.5	<0.05	2.5	7.05	23.0	0.03	1	0.3	11.7	<10	<2
1531223	Soil	1.30	8.3	2.4	<0.05	5.8	14.55	26.7	0.03	1	0.6	14.8	<10	<2
1531224	Soil	1.07	13.6	1.0	<0.05	4.3	5.77	21.1	0.03	<1	0.3	18.7	<10	<2
1531225	Soil	1.01	9.6	0.6	<0.05	3.0	9.49	22.6	0.02	<1	0.4	11.4	<10	<2
1531226	Soil	1.09	8.2	1.8	<0.05	3.6	8.57	23.9	0.02	<1	0.4	11.6	<10	2
1531227	Soil	1.06	11.2	0.8	<0.05	10.9	11.08	26.1	0.03	<1	0.5	17.2	<10	3
1531228	Soil	0.72	6.2	0.3	<0.05	1.7	5.87	16.8	0.02	<1	0.3	7.0	<10	<2
1531229	Soil	1.19	11.4	1.1	<0.05	6.9	9.65	26.0	0.03	<1	0.4	15.4	<10	2
1531230	Soil	1.15	13.0	1.4	<0.05	5.8	11.56	27.6	0.04	<1	0.5	14.2	<10	<2
1531231	Soil	1.26	10.1	2.6	<0.05	7.5	9.27	25.9	0.02	<1	0.3	14.5	<10	3



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Project: Kluane West

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CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1531232	Soil	1.20	74.68	6.83	77.0	130	83.2	21.6	768	3.54	10.6	0.5	3.1	2.0	54.9	0.27	0.71	0.10	78	2.04	0.097
1531233	Soil	1.00	74.44	8.56	73.8	138	98.1	25.4	779	3.99	11.3	0.5	4.5	2.1	70.5	0.20	0.60	0.08	93	2.59	0.098
1531234	Soil	1.43	76.50	9.39	85.2	142	93.0	23.2	716	3.86	11.6	0.6	2.9	2.1	68.5	0.29	0.79	0.11	84	2.12	0.102
1531235	Soil	1.48	74.89	7.87	85.8	138	77.6	19.5	631	3.34	10.8	1.0	2.1	1.4	61.5	0.47	0.99	0.11	68	1.52	0.089
1531236	Soil	1.71	78.24	8.09	95.2	137	60.4	18.7	456	3.63	12.6	0.9	3.3	2.4	51.8	0.39	1.12	0.13	64	1.08	0.116
1531237	Soil	1.35	74.99	8.37	79.2	127	83.1	22.8	622	3.94	12.3	0.8	2.9	2.1	48.7	0.17	0.85	0.12	82	1.05	0.077
1531238	Soil	1.82	73.05	7.01	67.6	156	51.5	13.3	602	3.12	9.5	0.8	2.2	0.5	57.0	0.37	0.94	0.13	40	1.47	0.155
1531239	Soil	1.82	76.95	12.85	101.7	186	80.2	21.6	848	4.13	11.4	0.5	3.1	2.9	87.0	0.43	1.10	0.13	84	3.75	0.098
1531240	Soil	1.48	77.48	9.01	85.1	152	76.6	20.2	664	3.64	12.3	1.1	7.9	1.7	56.4	0.42	1.16	0.14	68	1.46	0.085
1531241	Soil	1.24	67.56	7.91	91.2	167	78.9	24.7	698	4.12	12.6	0.6	3.1	2.4	46.3	0.29	0.71	0.12	85	1.11	0.088
1531242	Soil	1.14	78.24	8.29	83.2	160	84.6	21.5	783	3.62	10.8	0.8	4.9	1.9	61.0	0.31	0.77	0.11	78	2.08	0.087
1531243	Soil	1.13	84.29	9.72	90.7	174	98.0	23.3	725	4.10	11.6	0.7	2.9	2.4	48.7	0.27	0.81	0.13	89	1.10	0.085
1531244	Soil	1.02	57.52	7.27	80.8	160	63.8	18.1	525	3.34	9.7	1.1	5.3	1.7	55.0	0.20	0.97	0.12	65	1.37	0.080
1531245	Soil	1.48	83.11	10.46	99.6	179	82.5	22.3	760	4.08	11.7	0.8	2.8	2.5	56.2	0.29	0.86	0.14	81	1.14	0.084
1531246	Soil	1.13	83.28	9.49	88.4	175	87.4	22.2	649	3.83	11.1	0.6	2.1	2.2	52.5	0.21	0.88	0.12	82	1.27	0.098
1531247	Soil	1.11	74.98	10.55	96.6	169	90.3	24.7	688	4.25	11.3	0.5	4.0	2.6	49.0	0.31	0.76	0.12	96	1.08	0.089
1531248	Soil	1.32	69.83	9.87	91.5	132	80.9	24.4	859	4.38	12.4	0.6	2.2	2.3	49.4	0.22	0.76	0.12	95	1.09	0.079
1531249	Soil	1.39	71.05	9.29	95.7	194	75.1	23.0	695	4.01	11.9	0.7	77.6	2.7	49.6	0.43	0.83	0.14	84	1.05	0.088
1531250	Soil	1.05	70.75	8.90	97.3	157	82.8	22.5	570	4.08	10.4	0.5	2.5	2.3	47.8	0.28	0.64	0.10	91	1.10	0.102
1531267	Soil	2.08	44.64	10.17	92.0	144	37.4	18.3	454	3.49	14.6	1.5	3.1	2.7	63.0	0.36	1.19	0.20	67	0.71	0.077
1531268	Soil	1.40	19.05	5.38	32.1	78	13.3	6.7	229	1.65	9.9	0.6	2.4	1.2	33.5	0.14	0.45	0.11	36	0.42	0.047
1531269	Soil	1.89	59.63	7.42	118.2	161	51.5	20.8	551	4.32	17.4	1.3	6.6	3.2	57.8	0.63	1.01	0.15	81	0.77	0.119
1531270	Soil	0.97	53.68	6.96	91.5	109	53.4	18.0	366	3.79	7.2	1.0	2.2	3.2	56.7	0.29	0.58	0.11	91	0.83	0.111
1531271	Soil	0.91	41.97	6.94	83.2	119	47.1	17.1	502	3.18	6.6	0.9	1.6	2.4	59.3	0.17	0.55	0.11	72	0.95	0.107
1531272	Soil	0.61	51.73	4.56	72.8	98	51.6	14.8	522	2.96	4.3	0.7	1.8	2.4	57.2	0.23	0.43	0.08	73	1.15	0.108
1531273	Soil	1.02	70.32	9.34	94.1	169	78.3	21.9	734	3.96	10.1	0.7	1.2	2.7	71.5	0.31	0.74	0.13	84	2.20	0.096
1531274	Soil	0.86	53.30	6.66	73.3	108	61.2	17.8	681	3.19	7.4	0.5	5.3	2.2	97.5	0.28	0.50	0.08	73	4.00	0.107
1531275	Soil	0.73	60.91	9.95	67.9	138	97.3	21.9	790	3.48	6.7	0.5	1.9	2.3	71.9	0.28	0.43	0.07	79	2.32	0.108
1531276	Soil	1.10	44.54	7.29	92.3	112	51.1	17.4	681	3.27	8.0	0.9	2.4	2.4	56.0	0.24	0.55	0.11	71	0.82	0.102
1531277	Soil	1.22	32.56	7.11	90.1	104	38.4	14.9	423	3.19	11.5	0.8	5.8	2.0	49.5	0.19	0.60	0.13	73	0.68	0.079



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Method	Analyte	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1531232	Soil	13.7	74.4	1.39	143.6	0.138	6	1.84	0.023	0.26	<0.1	6.8	0.11	0.05	42	0.3	0.05	4.8	0.85	<0.1	0.10
1531233	Soil	14.1	97.5	1.76	110.4	0.179	7	2.13	0.031	0.16	<0.1	8.8	0.09	<0.02	42	0.2	0.04	6.0	0.81	<0.1	0.18
1531234	Soil	14.7	85.1	1.47	150.9	0.146	6	2.00	0.029	0.14	<0.1	7.9	0.10	0.02	42	0.5	0.05	5.7	0.90	<0.1	0.12
1531235	Soil	13.8	66.6	1.08	164.6	0.099	5	1.69	0.022	0.11	<0.1	5.9	0.09	0.05	30	0.6	0.05	4.8	0.89	<0.1	0.08
1531236	Soil	18.5	54.2	1.00	136.2	0.106	6	1.49	0.021	0.12	<0.1	6.4	0.10	0.05	50	0.9	0.04	4.6	0.84	<0.1	0.12
1531237	Soil	15.0	81.3	1.27	144.2	0.131	4	1.99	0.021	0.12	<0.1	8.1	0.10	0.03	44	0.5	0.03	5.6	0.90	<0.1	0.10
1531238	Soil	11.3	31.7	0.59	157.3	0.043	9	1.10	0.015	0.06	<0.1	2.9	0.10	0.25	61	0.9	<0.02	3.0	0.72	<0.1	0.05
1531239	Soil	15.9	81.8	1.48	144.1	0.138	8	2.05	0.022	0.18	<0.1	9.3	0.14	0.03	32	0.5	<0.02	5.7	1.04	<0.1	0.24
1531240	Soil	17.4	61.1	1.09	166.7	0.086	6	1.82	0.018	0.10	<0.1	7.2	0.09	0.06	46	1.0	0.03	5.0	0.78	<0.1	0.12
1531241	Soil	14.8	82.8	1.41	123.9	0.135	5	2.13	0.020	0.13	<0.1	9.2	0.11	0.02	48	0.5	0.05	5.9	0.85	<0.1	0.17
1531242	Soil	14.4	76.5	1.45	151.5	0.127	6	1.99	0.024	0.12	<0.1	7.9	0.10	0.03	38	0.5	0.02	5.6	0.84	<0.1	0.12
1531243	Soil	16.1	89.7	1.54	156.4	0.140	6	2.30	0.023	0.11	<0.1	9.4	0.10	<0.02	57	0.4	0.03	6.4	0.97	<0.1	0.15
1531244	Soil	14.2	59.4	1.11	152.1	0.092	6	1.76	0.019	0.10	<0.1	6.5	0.09	0.06	38	0.8	0.03	4.6	0.73	<0.1	0.11
1531245	Soil	17.1	78.0	1.48	181.4	0.121	7	2.25	0.022	0.14	<0.1	8.7	0.10	0.02	52	0.8	0.04	6.2	0.85	<0.1	0.16
1531246	Soil	16.1	77.7	1.44	154.8	0.126	7	2.06	0.024	0.12	<0.1	8.6	0.11	0.03	47	0.6	0.03	5.7	0.92	<0.1	0.13
1531247	Soil	15.3	96.6	1.63	138.0	0.162	5	2.42	0.024	0.18	<0.1	10.0	0.13	<0.02	55	0.6	<0.02	6.6	1.05	<0.1	0.21
1531248	Soil	14.6	91.6	1.60	157.2	0.142	4	2.51	0.022	0.15	<0.1	9.5	0.09	<0.02	41	0.4	0.05	6.8	0.89	<0.1	0.12
1531249	Soil	16.4	77.2	1.44	167.7	0.135	4	2.18	0.025	0.19	<0.1	8.7	0.14	<0.02	39	0.6	0.03	6.1	1.04	<0.1	0.13
1531250	Soil	13.7	90.7	1.61	119.7	0.157	6	2.19	0.026	0.15	<0.1	9.6	0.11	<0.02	54	0.4	0.03	6.2	0.94	<0.1	0.20
1531267	Soil	18.9	40.2	0.67	228.7	0.063	4	1.87	0.020	0.06	0.1	5.8	0.13	0.05	58	0.5	0.04	6.1	1.25	<0.1	0.04
1531268	Soil	8.1	17.7	0.29	85.4	0.051	2	0.96	0.032	0.06	0.2	2.4	0.08	0.03	19	0.3	0.03	3.2	0.68	<0.1	0.03
1531269	Soil	19.8	62.7	0.90	197.4	0.100	4	2.06	0.018	0.09	<0.1	8.5	0.12	0.06	63	0.8	0.04	5.7	0.97	<0.1	0.12
1531270	Soil	17.5	74.0	1.21	161.3	0.152	4	2.25	0.025	0.12	<0.1	8.6	0.12	<0.02	44	0.4	0.03	6.6	0.95	<0.1	0.20
1531271	Soil	14.5	61.0	1.01	163.1	0.113	3	1.88	0.028	0.09	<0.1	7.0	0.11	0.03	36	0.3	0.04	5.5	0.86	<0.1	0.09
1531272	Soil	13.7	53.7	1.06	125.6	0.137	5	1.64	0.030	0.10	0.1	7.5	0.09	0.02	22	0.3	0.02	5.1	0.70	<0.1	0.14
1531273	Soil	14.6	77.8	1.68	142.1	0.160	8	2.09	0.028	0.17	0.2	8.2	0.13	0.03	39	0.3	0.05	6.2	1.10	0.1	0.13
1531274	Soil	12.2	66.4	1.56	101.1	0.151	6	1.66	0.026	0.11	<0.1	7.5	0.08	<0.02	39	0.3	0.03	4.9	0.67	0.1	0.26
1531275	Soil	13.0	80.9	1.73	114.8	0.147	6	1.80	0.030	0.11	0.2	7.8	0.10	<0.02	32	<0.1	0.03	5.3	0.79	0.1	0.21
1531276	Soil	14.4	59.7	1.05	160.9	0.111	5	1.92	0.026	0.09	0.2	7.1	0.11	0.03	42	0.3	0.03	5.5	0.86	<0.1	0.07
1531277	Soil	11.4	51.9	0.91	143.4	0.087	4	1.81	0.022	0.09	<0.1	6.1	0.09	0.04	35	0.4	0.05	5.6	0.83	<0.1	0.06



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Method	Analyte	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1531232	Soil	0.84	10.5	0.8	<0.05	5.5	11.05	26.4	0.03	<1	0.4	12.2	<10	2
1531233	Soil	0.59	7.7	3.5	<0.05	9.4	12.81	25.7	0.03	<1	0.5	14.1	<10	2
1531234	Soil	1.12	9.1	2.9	<0.05	6.8	11.98	28.6	0.03	<1	0.4	14.7	<10	5
1531235	Soil	1.26	9.8	2.2	<0.05	4.8	10.00	26.4	0.04	<1	0.4	13.0	<10	3
1531236	Soil	1.26	8.7	0.7	<0.05	8.8	14.12	35.1	0.04	<1	0.5	12.7	<10	<2
1531237	Soil	1.23	10.0	1.7	<0.05	6.0	11.80	29.7	<0.02	<1	0.5	15.6	<10	3
1531238	Soil	0.71	4.7	3.5	<0.05	2.8	8.39	22.7	0.03	3	0.1	6.6	<10	<2
1531239	Soil	0.82	12.0	6.5	<0.05	12.9	14.49	29.8	0.03	1	0.6	17.4	<10	3
1531240	Soil	1.27	8.6	1.4	<0.05	6.8	14.76	32.0	0.03	<1	0.4	14.1	<10	2
1531241	Soil	1.02	10.2	1.7	<0.05	8.6	13.52	29.3	0.03	1	0.4	16.7	<10	2
1531242	Soil	1.19	9.2	2.1	<0.05	6.6	13.01	27.2	0.03	<1	0.6	15.9	<10	<2
1531243	Soil	1.08	9.9	2.8	<0.05	7.5	14.83	30.0	0.04	<1	0.6	17.3	<10	<2
1531244	Soil	1.19	7.3	0.7	<0.05	6.1	11.81	27.2	0.04	<1	0.5	14.5	<10	<2
1531245	Soil	1.17	9.9	3.1	<0.05	8.2	14.67	31.9	0.04	<1	0.7	18.0	<10	3
1531246	Soil	1.27	9.6	2.7	<0.05	7.5	14.92	29.5	0.04	<1	0.5	14.9	<10	3
1531247	Soil	0.89	12.7	3.8	<0.05	10.9	13.48	29.2	0.04	<1	0.7	18.0	<10	<2
1531248	Soil	1.07	10.7	2.6	<0.05	7.3	12.26	29.3	0.04	<1	0.6	18.7	<10	2
1531249	Soil	1.04	14.3	3.0	<0.05	8.5	13.51	33.5	0.04	<1	0.3	16.1	<10	2
1531250	Soil	0.84	10.8	2.8	<0.05	10.5	13.35	26.1	0.03	1	0.5	15.8	<10	4
1531267	Soil	1.63	12.4	1.1	<0.05	3.6	11.85	37.0	0.04	<1	0.6	15.4	<10	<2
1531268	Soil	0.74	6.1	0.5	<0.05	1.9	4.32	16.8	<0.02	<1	0.4	6.1	<10	<2
1531269	Soil	1.53	10.5	0.8	<0.05	7.2	15.78	37.7	0.04	<1	0.5	15.8	<10	<2
1531270	Soil	0.98	12.9	1.3	<0.05	11.9	13.51	33.6	0.03	<1	0.4	17.0	<10	3
1531271	Soil	1.20	9.7	2.1	<0.05	5.2	10.54	27.7	0.03	<1	0.6	14.5	<10	<2
1531272	Soil	1.13	8.8	0.6	<0.05	8.4	11.80	26.5	0.03	<1	0.3	13.7	<10	4
1531273	Soil	1.16	11.8	4.0	<0.05	8.3	12.25	29.6	0.04	<1	0.6	17.5	<10	3
1531274	Soil	0.28	7.0	1.3	<0.05	12.0	11.59	24.8	0.03	2	0.4	14.0	<10	2
1531275	Soil	0.34	9.4	8.6	<0.05	11.1	11.91	25.1	0.03	<1	0.4	14.5	<10	2
1531276	Soil	1.03	9.5	1.2	<0.05	4.5	10.83	28.1	0.04	<1	0.5	16.0	<10	<2
1531277	Soil	1.08	9.8	1.0	<0.05	3.8	6.78	21.3	0.02	<1	0.1	15.4	<10	<2



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101 - 1191 Front St.

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Project: Kluane West

Report Date: October 21, 2016

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CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
MDL		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1531278	Soil	0.79	52.77	6.09	70.3	91	64.6	18.4	709	3.29	8.0	0.7	1.7	2.6	65.0	0.17	0.51	0.09	75	1.91	0.102	
1531279	Soil	1.01	49.43	8.06	88.2	106	59.2	17.2	389	3.31	6.9	0.9	1.6	3.3	52.8	0.19	0.69	0.13	75	0.74	0.078	
1531280	Soil	1.15	59.73	7.29	80.1	123	51.4	17.9	582	3.81	8.9	0.8	3.3	3.1	47.6	0.21	0.63	0.13	80	0.72	0.075	
1531281	Soil	1.46	65.72	8.72	79.2	134	50.4	15.0	499	3.04	8.4	1.3	10.0	2.8	64.5	0.23	0.78	0.17	66	0.86	0.076	
1531282	Soil	0.97	52.57	5.77	58.0	61	87.2	18.1	508	3.19	7.8	0.6	1.8	2.2	42.6	0.17	0.52	0.09	70	0.71	0.062	
1531283	Soil	1.14	63.99	10.93	104.7	147	78.6	23.4	906	4.16	11.3	0.6	2.9	3.0	56.0	0.42	0.73	0.15	85	1.32	0.091	
1531284	Soil	0.97	46.46	8.04	96.1	112	56.1	18.9	570	3.85	6.5	0.9	4.8	3.0	50.1	0.26	0.52	0.13	82	0.93	0.080	
1531285	Soil	0.55	65.53	6.02	69.7	121	96.8	20.3	431	3.04	5.4	0.6	6.8	2.2	48.3	0.21	0.53	0.10	72	1.16	0.083	
1531286	Soil	1.11	51.89	6.21	51.5	120	42.3	11.2	463	2.30	7.8	0.9	3.4	1.6	38.7	0.11	0.52	0.10	48	0.48	0.064	
1531287	Soil	1.00	58.80	7.21	87.7	125	68.0	20.9	713	3.68	8.8	0.9	2.3	2.8	54.6	0.20	0.73	0.12	84	0.89	0.088	
1531288	Soil	1.05	69.43	8.36	99.7	161	83.2	22.1	801	3.85	9.6	0.6	1.5	2.9	85.8	0.37	0.65	0.13	81	2.89	0.096	
1531289	Soil	1.32	40.96	7.94	82.5	96	46.2	18.2	612	3.33	10.1	0.8	2.2	2.2	46.3	0.15	0.65	0.13	68	0.64	0.067	
1531290	Soil	1.01	34.49	6.40	86.9	84	37.7	13.2	499	2.92	7.0	0.9	4.4	1.9	50.8	0.24	0.60	0.13	59	0.85	0.085	
1531291	Soil	0.62	45.82	5.66	77.7	94	58.0	14.8	403	2.86	5.5	0.7	3.8	2.1	48.6	0.25	0.51	0.10	63	0.82	0.103	
1531292	Soil	0.58	57.78	7.10	88.7	94	97.3	21.8	438	3.30	5.9	0.8	3.7	2.3	49.0	0.25	0.53	0.11	78	0.86	0.085	
1531293	Soil	0.78	65.03	8.63	85.9	137	138.8	28.9	958	3.44	5.8	0.7	2.9	2.2	48.9	0.28	0.46	0.09	77	0.97	0.102	
1531294	Soil	1.16	38.64	7.71	79.7	58	65.2	24.3	545	4.19	11.1	0.6	2.0	2.3	44.6	0.13	0.52	0.11	90	0.72	0.049	
1531295	Soil	0.95	52.24	8.83	75.3	88	70.0	21.6	402	3.73	8.5	0.7	2.8	2.4	42.3	0.19	0.55	0.10	79	0.64	0.065	
1531296	Soil	1.37	34.73	5.88	54.9	70	47.5	21.6	699	3.12	9.2	0.7	3.7	1.4	42.2	0.09	0.51	0.09	57	0.67	0.055	
1531297	Soil	0.81	39.76	6.28	81.6	89	55.7	13.8	379	2.76	7.8	0.7	6.1	1.7	48.5	0.23	0.54	0.09	58	0.77	0.087	
1531298	Soil	1.33	74.82	8.88	75.6	162	58.5	18.8	697	3.17	9.5	1.1	3.8	1.8	62.6	0.35	0.85	0.13	64	1.24	0.093	
1531301	Soil	1.94	109.45	7.58	90.1	161	32.7	15.0	579	2.71	14.2	1.0	2.2	0.7	46.4	0.24	0.86	0.14	56	1.37	0.080	
1531302	Soil	1.23	66.43	7.67	64.7	130	26.3	9.6	372	1.68	7.6	0.8	4.3	0.4	51.2	0.26	0.87	0.10	31	1.81	0.090	
1531303	Soil	0.59	61.04	2.81	41.1	89	19.2	6.9	728	1.03	4.7	0.6	1.3	0.3	40.1	0.39	0.41	0.05	18	2.12	0.065	
1531304	Soil	1.17	90.00	8.25	87.3	116	69.6	22.3	580	4.35	8.7	0.5	4.0	1.8	45.2	0.19	0.64	0.08	102	1.45	0.054	
1531305	Soil	0.98	89.26	5.74	93.1	106	66.7	20.8	538	3.88	7.4	0.5	3.8	1.7	44.1	0.23	0.52	0.08	98	1.64	0.084	
1531306	Soil	0.41	34.10	4.26	52.6	71	20.4	7.6	286	1.24	4.2	0.6	1.4	0.4	56.3	0.45	0.51	0.09	22	2.01	0.089	
1531307	Soil	1.52	70.34	8.81	78.2	97	57.4	21.1	721	3.55	10.7	0.7	2.7	1.4	47.8	0.20	0.75	0.11	82	1.38	0.065	
1531308	Soil	0.95	71.87	5.28	48.9	107	34.5	11.6	388	1.93	11.6	0.8	2.4	0.6	65.2	0.19	0.92	0.09	35	2.25	0.115	
1531309	Soil	1.53	69.72	7.46	89.4	119	57.0	23.1	814	3.68	9.8	0.9	5.9	2.2	40.0	0.15	0.82	0.13	81	0.84	0.055	



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Method Analyte	AQ251 La		AQ251 Cr		AQ251 Mg		AQ251 Ba		AQ251 Ti		AQ251 B		AQ251 Al		AQ251 Na		AQ251 K		AQ251 W		AQ251 Sc		AQ251 Tl		AQ251 S		AQ251 Hg		AQ251 Se		AQ251 Te		AQ251 Ga		AQ251 Cs		AQ251 Ge		AQ251 Hf	
	Unit	ppm	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.1	0.1	0.1	0.02	0.02	5	0.1	0.02	0.02	0.1	0.02	0.02	0.1	0.02	0.02	0.1	0.02	0.1	0.02	0.1	0.02
1531278	Soil	14.2	66.4	1.29	122.7	0.131	5	1.70	0.027	0.08	0.2	7.2	0.08	<0.02	24	0.4	0.03	5.2	0.69	<0.1	0.15																			
1531279	Soil	15.5	64.6	1.13	163.4	0.122	3	2.01	0.021	0.09	<0.1	7.7	0.12	0.02	40	0.4	0.03	6.1	0.88	<0.1	0.13																			
1531280	Soil	16.5	65.8	1.13	152.9	0.128	4	2.04	0.022	0.09	<0.1	8.3	0.12	<0.02	57	0.5	0.03	6.2	0.93	<0.1	0.09																			
1531281	Soil	19.9	46.8	0.82	193.6	0.077	5	1.94	0.022	0.10	<0.1	7.2	0.12	0.05	52	0.5	0.04	5.8	0.97	<0.1	0.07																			
1531282	Soil	12.4	71.3	1.24	113.5	0.121	4	1.82	0.023	0.08	0.2	6.9	0.08	<0.02	22	0.2	0.03	5.1	0.66	<0.1	0.06																			
1531283	Soil	16.0	81.9	1.79	154.4	0.137	7	2.30	0.027	0.20	0.2	8.3	0.14	<0.02	44	0.4	0.06	6.6	1.17	<0.1	0.15																			
1531284	Soil	15.0	68.1	1.25	152.8	0.123	4	2.19	0.026	0.13	<0.1	8.6	0.13	0.03	44	0.3	0.03	6.8	0.90	<0.1	0.18																			
1531285	Soil	13.3	75.2	1.37	115.8	0.135	6	1.68	0.025	0.10	0.1	7.9	0.11	0.02	43	0.4	0.03	4.9	0.75	<0.1	0.14																			
1531286	Soil	16.1	39.9	0.60	119.6	0.073	3	1.36	0.028	0.06	0.1	5.9	0.08	0.03	36	0.4	0.04	4.2	0.67	<0.1	0.03																			
1531287	Soil	16.2	70.1	1.25	157.1	0.124	5	2.14	0.023	0.10	<0.1	8.8	0.10	0.03	45	0.4	0.04	6.2	0.85	<0.1	0.15																			
1531288	Soil	14.0	80.5	1.73	150.7	0.142	6	2.15	0.029	0.19	0.1	8.6	0.13	<0.02	50	0.6	0.06	6.3	1.05	0.1	0.16																			
1531289	Soil	11.9	58.8	1.01	148.2	0.099	4	1.92	0.023	0.09	<0.1	6.2	0.10	0.02	23	0.1	0.03	5.6	0.93	<0.1	0.05																			
1531290	Soil	10.8	56.3	0.90	138.3	0.085	5	1.74	0.017	0.08	<0.1	5.9	0.09	0.05	38	0.3	0.04	5.3	0.73	<0.1	0.08																			
1531291	Soil	12.1	66.5	1.15	117.9	0.111	5	1.61	0.024	0.08	<0.1	6.2	0.08	0.03	44	0.4	<0.02	4.8	0.70	<0.1	0.11																			
1531292	Soil	13.2	119.1	1.42	130.2	0.126	5	1.98	0.023	0.09	<0.1	8.5	0.10	0.03	39	0.2	0.03	5.7	0.73	<0.1	0.15																			
1531293	Soil	12.6	103.7	1.60	139.3	0.116	6	1.89	0.024	0.11	0.1	8.2	0.11	0.03	52	0.4	0.03	5.4	0.93	<0.1	0.12																			
1531294	Soil	9.4	97.4	1.45	117.5	0.137	5	2.18	0.022	0.09	<0.1	7.7	0.10	<0.02	26	0.1	0.03	6.4	0.82	<0.1	0.11																			
1531295	Soil	12.1	98.9	1.37	122.2	0.123	5	1.89	0.022	0.08	0.1	7.8	0.10	0.02	42	0.4	0.04	5.5	0.79	<0.1	0.12																			
1531296	Soil	8.4	62.2	0.93	109.7	0.078	4	1.35	0.022	0.07	0.1	5.6	0.08	0.04	31	0.3	0.02	4.1	0.58	<0.1	0.06																			
1531297	Soil	10.3	79.3	1.08	116.3	0.093	4	1.48	0.022	0.08	0.2	5.6	0.08	0.04	43	0.3	0.03	4.4	0.65	<0.1	0.08																			
1531298	Soil	16.5	54.7	0.95	170.7	0.075	5	1.71	0.020	0.10	0.2	7.0	0.09	0.07	63	0.7	0.03	5.1	0.66	<0.1	0.10																			
1531301	Soil	13.8	37.2	0.57	138.6	0.044	4	1.48	0.025	0.07	<0.1	4.6	0.09	0.07	51	0.7	0.04	4.8	0.92	<0.1	0.05																			
1531302	Soil	8.9	23.3	0.50	104.2	0.034	7	0.92	0.042	0.05	<0.1	2.5	0.07	0.11	51	0.6	0.03	3.0	0.59	<0.1	0.05																			
1531303	Soil	5.9	11.5	0.29	90.4	0.032	10	0.60	0.046	0.05	<0.1	1.4	0.07	0.09	37	0.2	0.03	1.5	0.31	<0.1	0.03																			
1531304	Soil	8.6	86.9	1.70	118.4	0.229	8	2.49	0.023	0.10	0.1	11.1	0.09	0.03	32	0.3	0.06	7.0	1.08	0.1	0.26																			
1531305	Soil	10.7	79.8	1.56	112.3	0.189	7	2.40	0.021	0.10	<0.1	11.1	0.08	0.04	52	0.5	0.03	6.9	0.89	<0.1	0.23																			
1531306	Soil	7.3	18.3	0.40	111.6	0.032	7	0.72	0.042	0.06	<0.1	1.7	0.06	0.11	43	0.4	0.02	2.3	0.52	<0.1	0.05																			
1531307	Soil	10.9	70.0	1.26	137.4	0.131	6	2.09	0.022	0.08	<0.1	8.6	0.09	0.05	59	0.5	0.04	5.9	0.77	<0.1	0.12																			
1531308	Soil	10.6	30.3	0.58	175.6	0.032	7	1.19	0.025	0.04	0.1	2.7	0.08	0.12	71	0.8	0.04	3.4	0.63	<0.1	0.09																			
1531309	Soil	11.2	70.6	1.30	145.1	0.131	4	2.27	0.017	0.07	<0.1	9.1	0.10	0.03	80	0.6	0.05	6.3	0.98	<0.1	0.10																			



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CERTIFICATE OF ANALYSIS

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Method	Analyte	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1531278	Soil	0.74	7.1	1.0	<0.05	8.0	11.72	28.0	0.03	<1	0.6	13.7	<10	<2
1531279	Soil	1.30	11.1	1.4	<0.05	7.0	10.77	30.0	0.03	<1	0.6	17.7	<10	<2
1531280	Soil	1.06	10.8	1.0	<0.05	5.6	12.27	31.1	0.03	<1	0.6	17.8	<10	3
1531281	Soil	1.50	11.1	1.1	<0.05	4.1	13.84	34.2	0.04	<1	0.7	17.0	<10	<2
1531282	Soil	1.02	7.3	0.8	<0.05	4.7	8.79	25.2	0.03	<1	0.5	15.3	<10	<2
1531283	Soil	0.73	12.8	2.6	<0.05	8.6	12.16	32.1	0.04	<1	0.6	21.4	<10	2
1531284	Soil	1.48	11.4	1.4	<0.05	11.5	10.78	30.1	0.04	1	0.7	20.4	<10	<2
1531285	Soil	1.10	8.2	1.1	<0.05	7.7	12.56	25.5	0.04	1	0.7	14.5	<10	3
1531286	Soil	0.79	6.1	1.0	<0.05	2.4	16.79	28.5	0.02	<1	0.2	10.0	<10	<2
1531287	Soil	1.34	9.7	0.9	<0.05	8.2	13.03	31.3	0.03	<1	0.6	17.7	<10	<2
1531288	Soil	0.63	12.0	1.0	<0.05	9.6	12.40	28.1	0.03	<1	0.5	20.9	<10	3
1531289	Soil	0.89	9.9	1.8	<0.05	3.1	7.47	23.9	0.03	<1	0.4	17.6	<10	<2
1531290	Soil	1.09	8.7	0.6	<0.05	3.9	7.20	20.7	0.04	<1	0.3	14.2	<10	<2
1531291	Soil	1.05	7.8	1.4	<0.05	6.5	9.37	23.3	0.03	1	0.4	12.6	<10	3
1531292	Soil	1.09	10.0	1.2	<0.05	7.6	10.48	26.5	0.03	1	0.4	14.8	<10	<2
1531293	Soil	0.76	10.4	4.8	<0.05	6.8	10.84	25.3	0.03	<1	0.4	13.5	<10	2
1531294	Soil	0.90	8.5	1.3	<0.05	6.4	5.32	19.8	0.04	1	0.4	17.5	<10	2
1531295	Soil	1.09	8.3	3.6	<0.05	6.9	7.94	23.4	0.04	2	0.4	13.8	<10	3
1531296	Soil	0.93	6.9	1.1	<0.05	3.2	5.41	17.0	0.03	<1	0.3	10.3	<10	<2
1531297	Soil	0.97	8.4	1.4	<0.05	4.2	6.99	19.9	0.04	<1	0.3	11.5	<10	<2
1531298	Soil	1.42	8.9	3.6	<0.05	5.5	12.97	30.5	0.03	<1	0.4	13.7	<10	<2
1531301	Soil	1.05	7.8	0.7	<0.05	2.2	10.85	23.4	0.03	<1	0.4	9.4	<10	<2
1531302	Soil	0.79	5.2	6.0	<0.05	2.9	6.69	17.3	0.02	<1	0.2	6.2	<10	<2
1531303	Soil	0.42	3.0	0.4	<0.05	1.8	4.71	11.3	<0.02	<1	0.2	2.9	<10	<2
1531304	Soil	1.31	8.6	4.2	<0.05	10.4	8.72	19.8	0.02	1	0.2	16.4	<10	3
1531305	Soil	1.25	8.1	1.3	<0.05	10.6	11.50	19.9	0.03	2	0.3	16.8	<10	<2
1531306	Soil	0.67	6.1	1.2	<0.05	2.6	4.61	14.3	<0.02	<1	0.2	4.6	<10	<2
1531307	Soil	1.21	8.1	2.6	<0.05	5.6	9.61	23.3	0.04	<1	0.5	15.2	<10	2
1531308	Soil	0.83	5.1	0.4	<0.05	3.8	7.88	19.6	0.03	<1	0.3	7.5	<10	<2
1531309	Soil	1.09	7.8	1.0	<0.05	5.6	8.55	24.4	0.04	<1	0.4	18.2	<10	<2



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Project: Kluane West

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Method Analyte	Unit	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1531310	Soil	0.91	83.59	5.02	76.0	74	71.4	23.9	627	4.16	8.5	0.3	3.7	1.5	38.0	0.23	0.50	0.07	109	1.30	0.038
1531311	Soil	0.34	174.69	3.21	90.2	88	74.5	31.1	525	4.40	3.7	0.5	4.0	1.5	50.0	0.24	0.45	0.06	120	1.93	0.065
1531312	Soil	0.99	114.01	10.03	85.1	177	69.6	24.6	741	4.00	7.8	0.6	6.1	1.4	45.1	0.25	0.68	0.09	98	1.87	0.081
1531313	Soil	1.21	130.92	6.42	88.3	144	82.2	24.3	634	4.63	9.3	0.5	3.6	1.7	38.2	0.29	0.63	0.12	118	1.58	0.084
1531314	Soil	1.08	119.36	6.18	83.4	120	63.8	25.6	723	4.12	7.8	0.7	3.0	1.5	46.7	0.34	0.71	0.08	108	1.63	0.065
1531315	Soil	1.28	90.83	5.03	89.5	104	57.2	21.4	595	3.61	8.6	0.7	6.3	1.4	45.4	0.24	0.69	0.09	96	1.84	0.069
1531316	Soil	1.29	110.38	4.53	86.9	145	69.5	23.6	595	4.33	8.9	0.4	3.3	1.5	41.7	0.29	0.58	0.08	115	1.61	0.070
1531317	Soil	1.01	92.62	5.68	78.9	103	62.9	22.8	721	3.66	7.6	0.6	3.5	1.4	42.5	0.26	0.61	0.08	88	1.65	0.050
1531318	Soil	0.92	84.14	4.82	92.1	101	59.0	21.6	511	3.63	7.4	0.7	3.0	1.6	43.8	0.31	0.62	0.09	96	1.52	0.069
1531319	Soil	0.81	87.13	3.73	81.1	92	63.3	25.2	725	3.82	5.8	0.4	8.9	1.1	48.6	0.23	0.42	0.06	105	1.85	0.070
1531320	Soil	0.79	115.44	3.41	100.4	128	65.7	23.8	609	3.57	4.9	0.5	4.5	1.0	49.0	0.21	0.46	0.05	91	1.95	0.070
1531321	Soil	1.10	99.90	4.99	74.2	99	52.9	18.9	553	3.13	7.5	0.7	3.0	1.2	48.6	0.20	0.64	0.08	78	2.07	0.071
1531322	Soil	1.11	106.86	6.62	80.1	114	72.1	26.3	724	4.12	7.9	0.5	3.6	1.4	46.9	0.26	0.60	0.08	108	1.70	0.044
1531323	Soil	1.16	127.02	4.34	72.2	109	63.7	20.7	1504	3.47	7.6	0.5	3.7	1.2	45.1	0.35	0.56	0.07	91	1.98	0.070
1531324	Soil	0.67	126.97	4.50	68.9	112	55.6	20.5	439	3.34	5.2	0.5	3.7	1.4	42.8	0.18	0.48	0.07	95	1.79	0.061
1531325	Soil	1.15	66.24	4.00	41.6	68	27.4	7.1	215	1.50	6.7	1.2	1.4	0.5	58.3	0.22	0.81	0.06	28	3.67	0.092
1531326	Soil	0.60	47.72	2.58	44.7	65	16.6	5.9	215	0.93	3.8	1.0	1.4	0.2	48.9	0.32	0.59	0.05	16	3.27	0.076
1531327	Soil	1.19	107.28	5.02	74.1	86	39.6	15.4	521	2.41	8.1	0.7	4.0	0.5	50.4	0.32	0.77	0.08	55	3.03	0.083
1531328	Soil	0.79	68.08	3.57	68.9	67	41.7	16.0	495	2.75	5.4	0.7	7.4	0.6	45.4	0.18	0.52	0.11	64	2.17	0.057
1531329	Soil	0.69	104.15	3.75	77.7	94	45.2	17.5	828	2.86	4.9	0.6	8.5	0.6	49.3	0.24	0.57	0.10	67	2.64	0.088
1531330	Soil	0.94	48.52	4.83	73.3	102	33.7	12.6	372	2.53	8.0	0.7	7.3	0.9	47.5	0.23	0.61	0.11	57	1.52	0.075
1531331	Soil	0.90	48.44	5.31	56.6	95	19.2	5.7	243	1.06	4.4	0.7	3.9	0.2	49.6	0.28	0.60	0.08	17	3.38	0.073
1531332	Soil	0.96	39.38	4.15	64.3	61	19.4	9.0	569	1.24	5.0	0.6	3.1	0.3	49.5	0.25	0.62	0.09	20	2.04	0.093
1531333	Soil	1.06	24.36	4.31	36.7	57	15.5	8.0	266	1.50	5.3	0.5	29.3	0.6	30.2	0.53	0.67	0.07	28	0.90	0.038
1531334	Soil	2.45	47.26	8.41	96.7	54	42.2	18.7	476	4.14	17.7	0.6	2.6	1.7	33.2	0.19	1.02	0.18	86	0.73	0.039
1531335	Soil	1.08	45.86	4.92	44.6	88	20.4	9.8	423	1.70	7.3	0.7	3.7	0.4	43.6	0.18	0.59	0.10	29	1.32	0.079
1531336	Soil	0.99	47.47	4.71	47.0	76	19.2	6.6	239	1.41	8.4	0.5	5.1	0.3	37.6	0.25	0.54	0.11	24	1.26	0.054
1531337	Soil	0.61	66.09	3.53	72.4	70	37.6	17.2	597	2.93	4.8	0.6	6.4	0.8	42.1	0.16	0.52	0.07	68	1.95	0.069
1531338	Soil	0.96	79.76	5.46	76.8	101	52.0	16.9	488	3.14	9.2	0.7	4.0	1.1	40.6	0.12	0.54	0.10	72	1.11	0.053
1531339	Soil	1.06	56.52	5.31	73.5	105	44.5	18.5	532	3.47	9.4	0.5	5.8	1.3	35.9	0.19	0.50	0.10	88	1.10	0.044



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Method	Analyte	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.01	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02
1531310	Soil	6.3	85.5	1.79	116.4	0.231	8	2.42	0.023	0.08	<0.1	10.6	0.07	<0.02	42	0.3	0.03	6.6	0.72	<0.1	0.25
1531311	Soil	9.6	81.7	2.47	85.5	0.298	10	2.99	0.016	0.09	<0.1	15.9	0.04	0.04	80	0.6	0.04	8.0	0.62	<0.1	0.51
1531312	Soil	11.3	81.8	1.55	139.3	0.168	9	2.34	0.019	0.09	<0.1	12.2	0.08	0.04	92	0.5	0.04	6.4	0.83	<0.1	0.20
1531313	Soil	10.6	98.6	1.89	119.0	0.214	12	2.75	0.019	0.10	<0.1	14.0	0.09	<0.02	81	0.4	0.04	7.6	1.02	<0.1	0.25
1531314	Soil	11.3	87.4	1.59	117.6	0.232	8	2.47	0.017	0.10	0.1	12.9	0.09	0.04	67	0.4	0.04	6.8	0.89	<0.1	0.21
1531315	Soil	10.5	75.0	1.42	129.5	0.180	7	2.25	0.018	0.08	<0.1	10.9	0.08	0.05	76	0.6	0.03	6.5	0.73	<0.1	0.19
1531316	Soil	9.2	89.2	1.77	125.6	0.220	8	2.72	0.019	0.09	<0.1	14.4	0.08	0.02	97	0.5	0.04	7.1	0.87	<0.1	0.20
1531317	Soil	9.1	73.7	1.46	133.3	0.190	8	2.25	0.020	0.08	<0.1	10.8	0.07	0.04	53	0.5	0.03	6.2	0.71	<0.1	0.18
1531318	Soil	11.1	76.8	1.42	127.5	0.188	6	2.24	0.020	0.08	<0.1	10.3	0.09	0.04	80	0.5	0.03	6.3	0.79	<0.1	0.21
1531319	Soil	7.8	71.0	1.87	110.9	0.248	8	2.50	0.020	0.06	<0.1	10.9	0.06	0.05	52	0.4	<0.02	7.0	0.66	<0.1	0.25
1531320	Soil	7.9	72.7	1.96	134.7	0.217	8	2.65	0.019	0.07	<0.1	10.8	0.06	0.07	46	0.6	0.04	6.9	0.77	<0.1	0.23
1531321	Soil	9.7	55.1	1.26	129.3	0.152	8	1.98	0.024	0.07	0.1	8.4	0.07	0.06	73	0.6	0.04	5.5	0.68	<0.1	0.18
1531322	Soil	9.2	81.3	1.71	114.6	0.228	10	2.37	0.022	0.08	<0.1	11.2	0.07	0.03	76	0.5	0.04	6.8	0.76	<0.1	0.20
1531323	Soil	9.8	64.6	1.51	131.7	0.192	14	2.19	0.022	0.08	<0.1	9.9	0.07	0.05	78	0.9	<0.02	6.0	0.72	<0.1	0.18
1531324	Soil	10.6	67.2	1.52	97.7	0.206	8	2.26	0.021	0.07	<0.1	10.2	0.06	0.05	71	0.6	<0.02	6.0	0.69	<0.1	0.24
1531325	Soil	8.9	23.5	0.51	94.2	0.040	13	0.83	0.017	0.05	<0.1	2.7	0.07	0.20	66	0.7	0.04	2.5	0.59	<0.1	0.08
1531326	Soil	6.7	12.1	0.29	76.3	0.031	10	0.65	0.042	0.04	0.1	1.2	0.05	0.14	39	0.5	0.02	1.4	0.34	<0.1	0.03
1531327	Soil	8.7	41.6	1.06	94.5	0.076	28	1.52	0.019	0.07	<0.1	5.3	0.06	0.14	89	1.5	0.05	4.0	0.64	<0.1	0.09
1531328	Soil	6.5	48.8	1.43	98.6	0.066	27	1.77	0.019	0.08	<0.1	6.7	0.05	0.12	73	2.2	0.06	4.7	0.44	<0.1	0.11
1531329	Soil	8.7	52.3	1.53	102.8	0.065	42	1.88	0.016	0.10	<0.1	7.8	0.05	0.14	100	3.8	0.10	4.8	0.42	<0.1	0.13
1531330	Soil	8.5	38.0	0.86	118.9	0.080	6	1.44	0.023	0.07	<0.1	4.8	0.07	0.07	61	0.7	0.03	4.6	0.62	<0.1	0.12
1531331	Soil	5.4	14.9	0.40	87.2	0.014	15	0.54	0.016	0.04	<0.1	1.0	0.07	0.17	37	1.7	<0.02	1.7	0.33	<0.1	0.06
1531332	Soil	6.6	14.5	0.39	107.2	0.024	8	0.72	0.045	0.05	<0.1	1.3	0.07	0.13	37	0.6	<0.02	2.1	0.46	<0.1	0.06
1531333	Soil	5.9	17.8	0.44	52.6	0.047	4	0.76	0.051	0.06	<0.1	2.4	0.05	0.06	40	0.5	<0.02	3.4	0.56	<0.1	0.04
1531334	Soil	8.8	48.1	1.02	127.6	0.082	4	2.29	0.017	0.08	<0.1	5.7	0.12	0.04	27	0.5	0.04	7.3	1.19	<0.1	0.06
1531335	Soil	9.6	20.2	0.42	114.1	0.028	5	1.00	0.045	0.05	<0.1	2.4	0.06	0.09	42	0.8	0.02	3.0	0.64	<0.1	0.04
1531336	Soil	6.4	17.7	0.37	81.5	0.026	4	0.74	0.033	0.04	<0.1	1.9	0.05	0.08	48	0.6	0.03	2.8	0.49	<0.1	0.04
1531337	Soil	8.3	35.9	1.45	88.9	0.093	24	1.85	0.020	0.10	<0.1	7.5	0.04	0.10	101	2.1	0.07	4.8	0.45	<0.1	0.14
1531338	Soil	10.3	48.1	1.19	156.8	0.101	4	1.96	0.023	0.07	<0.1	8.0	0.07	0.05	54	0.5	0.04	6.1	0.80	<0.1	0.09
1531339	Soil	7.8	53.2	1.22	125.0	0.150	5	2.09	0.023	0.08	<0.1	7.3	0.06	0.03	31	0.5	0.03	6.1	0.73	<0.1	0.15



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Method	Analyte	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1531310	Soil	0.74	6.4	1.3	<0.05	10.4	6.37	14.0	0.03	<1	0.3	15.9	<10	2
1531311	Soil	1.92	4.8	0.7	<0.05	21.1	14.06	19.9	0.03	<1	0.3	23.9	12	5
1531312	Soil	1.39	6.9	9.0	<0.05	8.9	13.70	21.4	0.05	<1	0.5	17.3	<10	3
1531313	Soil	0.82	8.4	1.9	<0.05	12.1	13.02	18.4	0.04	<1	0.4	19.0	<10	3
1531314	Soil	1.45	7.3	2.5	<0.05	9.6	12.89	27.4	0.05	<1	0.3	16.8	<10	<2
1531315	Soil	1.44	6.8	0.7	<0.05	9.0	11.61	21.4	0.03	<1	0.4	17.4	<10	2
1531316	Soil	1.01	7.0	1.1	<0.05	10.0	11.71	16.9	0.03	<1	0.3	19.1	<10	2
1531317	Soil	1.47	6.7	1.3	<0.05	9.1	9.44	20.6	0.03	<1	0.3	16.6	<10	3
1531318	Soil	1.37	7.1	0.5	<0.05	10.1	11.38	21.8	0.04	<1	0.3	16.9	<10	<2
1531319	Soil	1.45	4.9	0.5	<0.05	11.3	9.82	15.7	0.03	2	0.4	17.2	<10	<2
1531320	Soil	1.61	5.5	0.8	<0.05	9.5	9.56	14.9	0.03	<1	0.3	19.1	11	<2
1531321	Soil	1.43	5.7	1.0	<0.05	7.8	9.96	19.5	0.03	<1	0.3	14.4	<10	<2
1531322	Soil	1.26	6.0	3.1	<0.05	10.1	11.25	20.4	0.04	<1	0.4	16.7	<10	<2
1531323	Soil	1.27	5.9	1.3	<0.05	8.2	13.19	19.7	0.03	1	0.3	15.4	12	3
1531324	Soil	1.54	5.8	1.7	<0.05	10.3	13.01	20.3	0.03	<1	0.3	16.0	13	4
1531325	Soil	0.63	3.6	0.4	<0.05	3.1	7.03	15.9	<0.02	3	0.2	5.4	<10	<2
1531326	Soil	0.47	2.9	0.5	<0.05	2.1	4.40	14.7	<0.02	<1	0.2	2.6	<10	<2
1531327	Soil	1.10	4.8	1.0	<0.05	4.7	8.41	19.2	0.03	2	0.3	11.1	<10	2
1531328	Soil	1.18	4.4	0.4	<0.05	4.5	7.58	15.6	0.03	3	0.4	14.3	35	5
1531329	Soil	1.37	4.3	0.5	<0.05	4.5	11.87	18.0	0.03	5	0.4	15.0	65	7
1531330	Soil	1.21	7.5	0.5	<0.05	4.9	7.20	17.9	0.02	<1	0.2	10.6	<10	<2
1531331	Soil	0.47	2.5	4.3	<0.05	2.4	4.92	12.2	<0.02	2	0.2	3.4	<10	<2
1531332	Soil	0.69	3.9	0.3	<0.05	3.2	4.84	16.6	<0.02	<1	0.2	4.3	<10	2
1531333	Soil	0.80	4.7	0.5	<0.05	1.8	4.12	12.6	<0.02	<1	0.2	4.8	<10	<2
1531334	Soil	1.24	10.6	1.1	<0.05	3.6	4.94	22.0	0.03	<1	0.3	25.0	<10	<2
1531335	Soil	0.77	6.0	0.4	<0.05	1.8	8.32	20.7	0.02	<1	0.3	6.4	<10	<2
1531336	Soil	0.71	4.5	0.6	<0.05	2.1	5.00	13.6	<0.02	<1	0.3	4.3	<10	<2
1531337	Soil	1.60	4.6	0.4	<0.05	4.8	9.07	18.2	0.02	2	0.4	15.9	33	4
1531338	Soil	1.29	7.6	1.4	<0.05	4.6	10.63	21.8	0.02	<1	0.4	16.1	<10	2
1531339	Soil	1.39	6.9	0.7	<0.05	6.8	7.10	22.6	0.03	<1	0.4	16.2	<10	<2



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	Method Analyte Unit MDL	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1531340	Soil	1.07	102.90	5.11	62.3	111	28.7	9.3	422	1.86	8.4	0.9	4.9	0.4	60.9	0.36	0.96	0.10	33	2.94	0.092
1531341	Soil	0.80	37.63	3.73	55.4	79	18.5	7.7	431	1.46	6.8	0.5	4.9	0.4	42.8	0.15	0.51	0.07	28	1.96	0.066
1531342	Soil	0.62	64.26	2.97	35.0	67	16.9	5.0	164	1.12	4.9	0.7	4.3	0.2	54.1	0.20	0.49	0.06	19	3.90	0.082
1531343	Soil	1.11	56.73	5.32	43.2	54	23.1	10.4	276	2.18	9.1	0.8	7.8	0.8	32.3	0.12	0.57	0.14	42	0.76	0.058
1531351	Soil	1.09	70.86	6.53	71.1	107	64.5	20.0	613	3.68	10.8	0.5	3.4	1.9	39.3	0.23	0.62	0.13	89	1.14	0.042
1531352	Soil	0.91	73.90	4.19	57.8	94	33.7	9.0	286	1.77	7.2	0.9	4.4	0.4	52.4	0.26	0.76	0.10	36	3.31	0.080
1531353	Soil	0.64	108.19	3.13	80.7	98	55.9	20.2	797	3.55	5.8	0.5	7.2	1.1	42.0	0.22	0.58	0.06	100	1.90	0.067
1531354	Soil	0.93	148.70	5.80	46.3	91	28.1	10.9	295	2.06	11.9	0.7	6.0	0.4	34.2	0.08	0.68	0.11	40	1.30	0.060
1531355	Soil	0.66	98.06	3.40	69.9	80	46.2	16.6	418	2.97	4.9	0.6	5.8	0.8	48.1	0.17	0.56	0.08	71	2.28	0.078
1531356	Soil	0.62	84.99	4.01	62.7	91	48.1	18.6	518	3.24	5.5	0.6	7.2	0.8	44.6	0.13	0.45	0.06	80	2.08	0.075
1531357	Soil	0.84	108.87	4.07	62.1	132	39.9	15.4	631	2.66	7.9	0.6	6.5	0.6	46.2	0.16	0.63	0.08	64	2.25	0.068
1531358	Soil	1.07	107.61	6.03	88.4	105	69.1	21.1	666	4.01	15.3	0.4	4.8	1.4	39.3	0.34	0.66	0.10	96	1.32	0.063
1531359	Soil	0.99	167.14	4.97	74.1	153	66.8	27.1	828	4.43	6.9	0.4	5.3	1.1	47.4	0.22	0.55	0.05	123	2.65	0.076
1531360	Soil	1.41	67.03	6.06	63.1	103	27.6	13.8	698	2.50	11.6	0.8	4.5	0.7	45.2	0.08	0.74	0.12	47	1.27	0.081
1531361	Soil	1.27	106.46	5.55	44.1	107	25.8	10.9	351	2.13	8.9	1.1	5.2	0.6	48.3	0.08	0.80	0.10	37	1.25	0.107
1531362	Soil	1.18	37.22	5.28	56.2	73	25.5	12.2	576	1.93	7.7	0.6	3.5	0.6	56.2	0.29	0.71	0.10	35	2.23	0.082
1531363	Soil	0.47	41.59	3.82	29.4	84	21.1	5.9	199	1.22	7.4	0.6	34.2	0.2	37.3	0.14	0.46	0.08	22	1.53	0.062
1531370	Soil	1.21	117.67	7.48	76.7	158	338.7	41.3	821	4.10	10.2	0.6	7.3	1.5	47.2	0.23	0.71	0.11	64	1.42	0.057
1531371	Soil	1.04	118.73	9.11	87.0	183	463.6	49.5	950	4.19	10.8	0.7	5.4	1.6	43.7	0.28	0.60	0.11	71	1.17	0.053
1531372	Soil	0.66	71.59	6.66	77.2	153	159.8	20.5	586	3.04	9.4	0.7	4.5	1.4	48.5	0.21	0.63	0.12	56	1.23	0.061
1531373	Soil	0.78	62.13	6.29	82.6	114	207.7	23.3	596	2.80	9.2	0.6	4.4	1.2	50.1	0.32	0.63	0.11	50	1.18	0.066
1531374	Soil	1.09	37.49	7.90	95.7	106	48.9	17.7	542	3.13	10.4	0.6	4.5	1.4	43.0	0.19	0.65	0.12	62	0.93	0.071
1531375	Soil	0.94	50.88	7.20	72.3	118	56.9	17.9	610	3.04	9.4	0.6	4.1	1.3	43.8	0.20	0.67	0.10	62	1.35	0.066
1531376	Soil	1.03	42.70	7.11	90.1	112	50.4	18.8	673	3.35	10.7	0.6	3.7	1.7	44.0	0.18	0.67	0.11	68	1.07	0.062
1531377	Soil	1.16	51.24	7.65	91.9	110	55.3	19.2	678	3.50	10.0	0.7	7.5	1.8	40.0	0.17	0.66	0.16	69	0.78	0.067
1531378	Soil	1.22	43.68	8.04	83.3	111	48.2	18.6	635	3.42	11.6	0.6	2.9	1.7	33.1	0.07	0.63	0.15	68	0.64	0.065
1531379	Soil	0.95	69.41	9.40	102.2	154	67.2	20.1	797	3.58	10.1	0.7	3.1	2.0	53.5	0.34	0.71	0.16	72	1.11	0.083
1531380	Soil	0.80	73.91	7.25	71.2	114	86.1	21.2	672	3.42	9.4	0.5	2.6	1.7	56.0	0.16	0.54	0.11	73	2.03	0.077
1531381	Soil	1.63	54.02	7.67	73.8	69	79.4	18.1	574	3.12	10.8	0.8	2.0	1.3	60.1	0.23	0.89	0.17	58	1.40	0.053
1531382	Soil	1.06	69.80	9.18	110.0	142	77.6	22.4	826	4.16	11.3	0.5	1.8	2.7	63.2	0.43	0.63	0.13	87	2.06	0.097



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Method	Analyte	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.01	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1531340	Soil	11.3	24.4	0.51	120.2	0.026	10	1.05	0.019	0.07	<0.1	2.9	0.08	0.14	73	1.0	0.03	2.9	0.58	<0.1	0.07
1531341	Soil	6.5	17.9	0.48	85.7	0.033	13	0.79	0.030	0.05	<0.1	2.2	0.05	0.09	40	1.6	<0.02	2.5	0.52	<0.1	0.05
1531342	Soil	7.8	15.2	0.41	79.3	0.016	14	0.69	0.020	0.04	<0.1	0.9	0.05	0.16	26	0.8	<0.02	2.0	0.41	<0.1	0.05
1531343	Soil	11.1	27.0	0.61	81.4	0.049	3	1.33	0.029	0.05	0.1	4.1	0.06	0.06	53	0.6	0.02	4.4	0.79	<0.1	0.05
1531351	Soil	11.2	67.1	1.37	126.7	0.142	6	2.17	0.027	0.11	<0.1	8.9	0.11	0.03	37	0.6	0.05	6.3	0.87	<0.1	0.15
1531352	Soil	8.4	26.4	0.64	142.0	0.042	13	1.08	0.026	0.06	<0.1	2.6	0.07	0.16	60	1.5	0.03	3.0	0.53	<0.1	0.08
1531353	Soil	9.4	66.5	1.79	116.1	0.166	15	2.38	0.018	0.10	<0.1	11.9	0.06	0.06	121	1.4	0.05	6.6	0.66	<0.1	0.21
1531354	Soil	15.3	26.6	0.61	92.8	0.031	7	1.26	0.036	0.05	0.1	4.0	0.08	0.09	67	1.4	0.04	3.8	0.55	<0.1	0.04
1531355	Soil	9.2	52.2	1.53	96.0	0.097	30	1.92	0.020	0.09	<0.1	8.2	0.05	0.11	80	2.3	0.06	5.2	0.55	<0.1	0.14
1531356	Soil	8.5	51.4	1.66	74.5	0.119	24	2.07	0.020	0.09	<0.1	9.1	0.05	0.08	85	1.8	0.07	5.3	0.51	<0.1	0.15
1531357	Soil	9.5	39.0	1.15	120.1	0.072	21	1.69	0.021	0.08	<0.1	6.2	0.05	0.10	81	2.1	0.04	4.5	0.46	<0.1	0.11
1531358	Soil	10.5	67.8	1.48	169.4	0.129	7	2.32	0.026	0.10	<0.1	10.8	0.08	0.03	65	0.8	0.04	6.9	0.83	<0.1	0.11
1531359	Soil	8.4	71.9	2.09	134.0	0.229	13	2.52	0.022	0.13	<0.1	14.4	0.06	0.04	128	0.7	0.03	7.5	0.80	<0.1	0.30
1531360	Soil	12.2	32.0	0.70	135.1	0.040	3	1.50	0.027	0.05	<0.1	4.5	0.09	0.08	53	0.6	0.03	4.3	0.84	<0.1	0.06
1531361	Soil	23.3	27.3	0.51	133.7	0.030	4	1.57	0.036	0.05	<0.1	5.3	0.08	0.10	65	0.8	0.02	3.6	0.76	<0.1	0.04
1531362	Soil	11.1	25.0	0.59	149.5	0.030	5	1.11	0.032	0.05	0.1	2.8	0.09	0.12	44	0.7	0.03	3.2	0.65	<0.1	0.06
1531363	Soil	6.1	14.3	0.33	87.8	0.025	4	0.68	0.033	0.04	<0.1	1.5	0.05	0.08	34	0.6	0.02	2.2	0.37	<0.1	0.04
1531370	Soil	11.3	159.8	3.95	121.5	0.064	11	1.85	0.021	0.13	<0.1	7.3	0.10	0.04	42	0.4	0.04	5.2	1.02	<0.1	0.07
1531371	Soil	11.0	222.0	3.75	146.3	0.065	10	2.27	0.027	0.13	<0.1	8.8	0.13	0.04	38	0.4	0.03	5.7	1.60	<0.1	0.05
1531372	Soil	12.7	72.8	1.28	147.8	0.053	5	1.70	0.023	0.13	<0.1	5.9	0.10	0.06	54	0.5	0.04	4.8	0.88	<0.1	0.08
1531373	Soil	11.1	75.1	1.37	151.5	0.047	5	1.47	0.023	0.09	<0.1	5.4	0.12	0.07	41	0.6	0.04	4.2	0.84	<0.1	0.07
1531374	Soil	9.9	61.4	1.14	102.4	0.068	4	1.67	0.024	0.13	0.1	5.7	0.11	0.05	32	0.4	0.05	5.3	0.83	<0.1	0.04
1531375	Soil	9.8	62.7	1.17	118.8	0.072	5	1.66	0.024	0.10	0.2	6.2	0.09	0.06	44	0.4	0.03	4.9	0.68	<0.1	0.07
1531376	Soil	10.2	60.8	1.25	127.0	0.076	4	1.88	0.022	0.14	0.1	6.3	0.11	0.05	40	0.5	0.04	5.6	0.79	<0.1	0.10
1531377	Soil	12.4	65.0	1.25	156.0	0.075	4	1.93	0.018	0.12	0.1	6.8	0.11	0.04	43	0.4	0.02	5.8	0.84	<0.1	0.10
1531378	Soil	13.3	61.6	1.19	137.9	0.070	4	1.92	0.020	0.11	0.1	6.9	0.10	0.04	35	0.5	0.03	5.5	0.78	<0.1	0.08
1531379	Soil	14.7	66.1	1.26	201.3	0.073	4	2.00	0.018	0.13	0.1	7.7	0.10	0.05	58	0.7	0.04	5.9	0.81	<0.1	0.09
1531380	Soil	11.9	71.5	1.46	151.2	0.093	5	1.83	0.027	0.12	0.2	7.1	0.09	0.04	43	0.6	0.03	5.4	0.75	<0.1	0.12
1531381	Soil	12.9	65.5	1.16	179.5	0.052	4	1.53	0.024	0.09	0.1	5.6	0.09	0.07	44	0.4	0.03	4.8	0.81	<0.1	0.08
1531382	Soil	13.8	80.0	1.83	140.5	0.115	6	2.27	0.026	0.19	<0.1	8.7	0.12	<0.02	52	0.4	0.05	6.7	1.15	<0.1	0.20



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Method	Analyte	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1531340	Soil	0.82	5.8	1.1	<0.05	4.0	10.87	20.5	0.03	<1	0.4	6.3	<10	<2
1531341	Soil	0.69	3.9	0.3	<0.05	2.1	4.97	14.4	<0.02	1	0.2	5.8	11	2
1531342	Soil	0.57	3.1	0.5	<0.05	2.8	5.93	15.9	<0.02	2	0.2	4.1	<10	<2
1531343	Soil	1.05	4.9	0.6	<0.05	2.9	8.90	23.0	<0.02	<1	0.3	10.1	<10	<2
1531351	Soil	1.08	10.5	1.5	<0.05	7.2	11.90	25.6	0.03	<1	0.4	13.9	<10	<2
1531352	Soil	0.88	4.2	0.4	<0.05	4.6	8.48	15.7	<0.02	1	0.1	7.3	<10	3
1531353	Soil	1.66	5.4	0.7	<0.05	9.0	14.70	19.4	0.02	1	0.4	17.8	31	5
1531354	Soil	0.77	4.1	0.3	<0.05	2.2	22.40	24.2	<0.02	<1	0.4	8.8	12	<2
1531355	Soil	1.45	4.7	0.3	<0.05	5.6	12.19	18.0	0.02	3	0.4	15.1	32	5
1531356	Soil	1.74	4.1	1.7	<0.05	6.1	10.92	17.2	0.03	1	0.4	16.1	37	6
1531357	Soil	1.27	5.2	0.3	<0.05	4.3	11.45	19.5	<0.02	<1	0.3	13.1	40	4
1531358	Soil	1.07	7.4	1.1	<0.05	5.2	13.61	23.9	0.02	<1	0.5	16.4	14	2
1531359	Soil	1.49	5.2	2.0	<0.05	13.2	15.69	18.8	0.05	<1	0.4	16.2	20	4
1531360	Soil	0.99	6.4	0.5	<0.05	2.7	10.86	25.2	0.03	<1	0.3	11.5	<10	<2
1531361	Soil	0.85	5.0	0.4	<0.05	2.5	24.58	38.9	<0.02	<1	0.7	7.8	<10	<2
1531362	Soil	0.93	4.7	0.5	<0.05	2.9	7.39	24.6	<0.02	<1	0.3	7.7	<10	<2
1531363	Soil	0.56	3.3	0.2	<0.05	1.9	5.66	12.2	<0.02	<1	0.1	3.9	<10	<2
1531370	Soil	0.97	10.0	1.8	<0.05	3.7	11.21	23.7	0.02	<1	0.6	15.0	<10	3
1531371	Soil	0.86	11.3	2.3	<0.05	3.4	11.06	22.6	0.03	<1	0.5	37.2	<10	3
1531372	Soil	1.07	10.8	1.2	<0.05	4.1	11.85	24.5	0.02	<1	0.4	15.5	<10	<2
1531373	Soil	0.98	10.1	0.9	<0.05	3.1	10.38	22.6	0.02	<1	0.4	12.4	<10	<2
1531374	Soil	1.10	11.1	2.3	<0.05	2.8	7.31	22.0	0.03	<1	0.4	14.0	<10	<2
1531375	Soil	1.14	8.0	1.4	<0.05	4.0	8.38	23.7	0.03	<1	0.5	13.1	<10	<2
1531376	Soil	1.16	11.3	0.9	<0.05	4.7	7.94	22.9	0.03	<1	0.4	15.5	<10	<2
1531377	Soil	1.13	10.8	0.8	<0.05	4.6	10.22	26.4	0.04	<1	0.5	16.3	<10	<2
1531378	Soil	1.06	9.2	1.4	<0.05	4.1	10.37	28.3	0.03	<1	0.5	15.2	<10	<2
1531379	Soil	1.28	9.7	1.7	<0.05	6.0	13.49	30.6	0.03	<1	0.5	16.5	<10	<2
1531380	Soil	1.13	8.7	2.1	<0.05	6.3	11.68	25.5	0.02	<1	0.4	14.7	<10	19
1531381	Soil	1.11	6.9	0.9	<0.05	3.5	11.75	26.6	0.03	1	0.4	12.7	<10	<2
1531382	Soil	0.49	11.9	2.0	<0.05	10.2	13.03	29.5	0.03	1	0.4	18.8	<10	3



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Method Analyte	Unit	MDL	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppb	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
			0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1531383	Soil		1.50	35.38	8.02	74.2	86	36.7	15.2	471	2.99	10.6	0.7	2.9	1.0	38.7	0.12	0.63	0.13	66	0.88	0.065
1531384	Soil		0.97	53.67	6.46	71.3	107	48.1	17.8	636	2.93	7.9	0.8	2.0	1.3	43.4	0.17	0.54	0.11	65	1.06	0.071
1531385	Soil		0.98	36.04	5.86	89.5	93	42.9	17.9	591	2.89	7.1	0.7	3.2	1.5	43.8	0.17	0.56	0.10	66	1.01	0.084
1531386	Soil		0.66	81.75	6.75	94.5	142	63.8	18.0	730	3.18	7.7	1.1	3.1	1.8	48.7	0.20	0.64	0.11	66	1.23	0.080
1531387	Soil		0.92	71.96	7.47	91.3	133	67.0	20.4	757	3.59	9.4	0.5	1.8	2.0	75.2	0.38	0.62	0.11	78	3.06	0.093
1531388	Soil		0.86	62.03	8.21	74.3	103	61.7	20.5	716	3.77	6.3	0.4	3.9	1.7	63.9	0.22	0.38	0.06	95	3.33	0.102
1531389	Soil		1.77	101.38	11.22	103.8	199	94.0	26.6	951	4.37	15.5	0.9	4.3	3.1	46.8	0.34	0.84	0.13	92	1.30	0.116
1531390	Soil		0.65	72.84	5.48	75.8	98	68.3	20.2	685	3.42	5.9	0.4	2.6	1.3	40.7	0.22	0.39	0.06	82	1.27	0.088
1531391	Soil		1.86	23.50	6.93	67.3	81	28.2	10.6	274	2.87	13.2	0.5	2.7	1.4	30.0	0.14	0.71	0.12	61	0.47	0.059
1531392	Soil		1.13	47.32	6.28	71.3	108	48.6	17.9	646	3.32	11.5	0.8	3.1	1.7	41.2	0.12	0.65	0.11	69	0.92	0.074
1531393	Soil		1.11	60.91	6.66	82.6	82	56.8	20.9	645	3.39	10.8	0.7	4.4	1.6	45.6	0.17	0.72	0.12	70	1.20	0.085
1531001	Soil		1.93	111.81	6.97	107.2	231	108.5	28.7	732	4.76	14.7	0.6	6.2	2.3	38.1	0.51	0.90	0.11	103	0.92	0.107
1531002	Soil		1.96	69.41	7.87	98.2	128	76.0	26.3	952	4.42	13.6	0.7	2.4	2.5	37.0	0.40	0.89	0.11	81	0.87	0.105
1531003	Soil		1.17	62.36	5.37	69.6	107	72.9	16.4	1255	2.70	9.0	0.8	2.8	1.1	41.2	0.34	0.63	0.08	49	1.21	0.084
1531004	Soil		1.10	81.06	6.49	89.9	155	87.9	21.5	470	3.80	9.3	0.3	3.7	2.3	37.1	0.27	0.75	0.11	87	1.18	0.085
1531005	Soil		1.04	75.58	6.74	85.3	121	83.9	22.6	610	4.72	13.2	0.5	3.2	2.2	33.0	0.27	0.69	0.10	95	0.88	0.080
1531006	Soil		1.34	77.39	7.04	94.9	133	70.4	20.3	607	4.51	13.7	0.5	4.6	2.3	38.0	0.26	0.68	0.14	91	0.89	0.098
1531007	Soil		1.30	65.43	6.70	91.1	127	68.0	17.8	434	3.42	9.9	0.7	3.0	1.9	36.8	0.35	0.85	0.12	70	0.95	0.086
1531008	Soil		0.96	71.81	7.86	103.9	151	81.0	24.2	473	3.46	10.0	0.9	3.6	2.7	33.2	0.42	0.88	0.13	92	0.80	0.085
1531009	Soil		1.19	95.88	7.38	100.8	167	94.6	25.1	603	4.49	12.5	0.4	3.1	2.6	35.7	0.32	0.72	0.11	101	0.86	0.089
1531010	Soil		1.04	65.45	8.79	91.1	142	72.8	21.7	423	3.46	10.1	1.4	5.2	2.6	33.3	0.39	1.04	0.14	84	0.81	0.089
1531011	Soil		2.58	48.96	6.96	94.9	124	60.7	21.2	788	4.44	14.2	0.5	3.2	1.7	36.7	0.30	0.70	0.12	78	0.92	0.096
1531012	Soil		1.22	52.67	7.81	110.5	151	78.4	20.1	512	3.84	9.8	1.3	3.5	2.3	33.3	0.35	0.90	0.12	75	0.79	0.090
1531013	Soil		0.91	78.14	7.24	84.2	132	79.4	23.1	562	4.22	10.7	0.6	4.2	2.2	37.4	0.16	0.63	0.10	90	0.89	0.083
1531014	Soil		1.35	87.37	7.34	89.4	145	92.1	32.9	655	5.51	14.8	0.9	8.3	2.4	31.9	0.25	0.78	0.12	94	0.79	0.077
1531015	Soil		1.46	80.12	8.86	92.9	147	65.6	26.7	905	5.62	16.6	0.9	3.5	2.8	34.7	0.30	0.90	0.14	92	0.75	0.079
1531016	Soil		1.35	69.34	7.78	85.6	125	65.5	21.3	416	4.41	15.4	0.8	2.7	2.3	33.9	0.20	0.79	0.12	84	0.81	0.073
1531017	Soil		2.70	62.75	7.80	97.5	106	49.1	18.0	319	6.02	24.9	0.9	23.3	2.7	32.9	0.28	0.98	0.13	83	0.68	0.085
1531018	Soil		0.81	57.18	8.39	93.3	117	57.6	15.9	358	3.01	10.3	1.0	3.9	2.3	35.1	0.26	0.94	0.13	81	0.87	0.072
1531019	Soil		1.04	70.29	7.91	103.5	156	117.3	26.1	508	4.63	11.5	0.7	4.1	2.4	34.1	0.35	0.80	0.11	96	0.80	0.090



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Method	Analyte	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.01	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02
1531383	Soil	10.5	56.8	1.00	99.1	0.063	4	1.58	0.018	0.08	0.1	5.5	0.08	0.06	37	0.6	0.04	5.3	0.70	<0.1	0.07
1531384	Soil	12.6	55.5	1.04	130.2	0.080	3	1.63	0.022	0.09	0.2	6.5	0.10	0.05	53	0.6	0.03	5.0	0.68	<0.1	0.09
1531385	Soil	11.5	57.4	1.11	114.6	0.091	5	1.69	0.020	0.10	0.1	7.1	0.10	0.05	43	0.5	0.03	5.1	0.83	<0.1	0.12
1531386	Soil	14.3	57.6	1.13	175.1	0.078	5	1.71	0.019	0.10	<0.1	7.0	0.11	0.06	53	0.6	0.04	5.2	0.84	<0.1	0.12
1531387	Soil	12.5	67.2	1.49	138.1	0.102	6	1.92	0.024	0.15	0.1	8.0	0.11	0.03	47	0.5	0.04	5.6	0.90	<0.1	0.09
1531388	Soil	12.6	71.3	1.60	104.7	0.161	6	1.94	0.029	0.11	0.1	9.3	0.09	<0.02	46	0.3	0.02	5.5	0.73	<0.1	0.35
1531389	Soil	16.3	79.7	1.53	152.0	0.131	8	1.88	0.028	0.18	0.1	10.6	0.21	0.06	88	0.6	0.04	6.3	1.85	<0.1	0.23
1531390	Soil	10.4	76.3	1.49	105.5	0.109	6	1.89	0.021	0.11	0.2	9.0	0.09	0.03	38	0.4	0.02	5.4	0.66	<0.1	0.15
1531391	Soil	8.1	39.3	0.71	77.7	0.070	2	1.29	0.016	0.06	0.1	3.4	0.08	0.03	28	0.2	0.05	4.8	0.80	<0.1	0.05
1531392	Soil	13.0	56.9	1.09	129.5	0.082	4	1.79	0.023	0.10	<0.1	6.9	0.09	0.04	32	0.6	0.04	5.4	0.73	<0.1	0.07
1531393	Soil	13.7	57.6	1.09	164.7	0.072	4	1.74	0.020	0.08	<0.1	6.5	0.10	0.05	42	0.5	0.04	5.3	0.87	<0.1	0.08
1531001	Soil	14.3	110.9	1.73	158.1	0.124	5	2.34	0.018	0.14	0.1	10.6	0.16	0.02	53	0.8	0.05	6.7	1.05	<0.1	0.18
1531002	Soil	15.1	78.7	1.22	150.4	0.111	4	1.96	0.020	0.12	<0.1	8.8	0.12	0.03	54	1.3	0.04	5.6	0.86	<0.1	0.19
1531003	Soil	10.4	50.7	0.82	158.2	0.063	5	1.35	0.026	0.07	<0.1	5.3	0.08	0.07	41	1.1	0.02	3.6	0.61	<0.1	0.09
1531004	Soil	14.0	87.2	1.39	135.3	0.122	5	2.05	0.021	0.11	0.2	10.4	0.11	<0.02	58	0.2	0.03	6.0	0.86	<0.1	0.20
1531005	Soil	14.3	99.9	1.45	125.6	0.136	4	2.25	0.017	0.11	<0.1	10.5	0.07	0.02	44	0.5	0.04	6.2	0.64	<0.1	0.25
1531006	Soil	14.2	85.5	1.37	125.2	0.114	5	2.13	0.023	0.12	<0.1	9.8	0.11	0.03	62	0.6	0.04	6.3	0.97	<0.1	0.18
1531007	Soil	13.1	81.6	1.17	132.0	0.085	5	1.76	0.020	0.10	0.1	7.8	0.10	0.06	38	0.6	0.04	5.2	0.74	<0.1	0.17
1531008	Soil	15.9	90.5	1.33	153.4	0.122	5	2.11	0.016	0.11	<0.1	10.4	0.10	0.04	50	0.9	0.05	6.4	0.73	<0.1	0.24
1531009	Soil	14.8	101.1	1.49	127.0	0.125	4	2.41	0.019	0.12	<0.1	11.5	0.12	<0.02	51	0.2	0.05	7.0	1.04	<0.1	0.24
1531010	Soil	16.4	74.9	1.26	167.5	0.101	3	2.10	0.017	0.09	<0.1	8.8	0.08	0.04	58	1.0	0.04	5.9	0.70	<0.1	0.17
1531011	Soil	10.3	75.6	1.19	147.8	0.085	4	2.00	0.016	0.09	0.1	7.5	0.09	0.05	47	0.5	0.05	5.8	0.75	<0.1	0.11
1531012	Soil	14.0	91.1	1.27	162.4	0.081	4	2.03	0.016	0.08	0.2	8.5	0.09	0.07	65	1.3	0.05	5.7	0.80	<0.1	0.12
1531013	Soil	13.6	104.4	1.57	140.9	0.117	5	2.30	0.020	0.11	<0.1	9.9	0.10	<0.02	39	0.3	0.03	6.5	0.93	<0.1	0.17
1531014	Soil	15.6	115.9	1.63	136.4	0.119	5	2.27	0.016	0.10	<0.1	9.7	0.11	0.02	39	0.8	0.05	6.2	0.95	<0.1	0.21
1531015	Soil	18.9	81.2	1.28	162.4	0.104	4	2.19	0.017	0.11	<0.1	9.6	0.12	0.02	53	1.0	0.05	6.2	0.89	<0.1	0.17
1531016	Soil	15.3	79.4	1.29	138.7	0.096	4	2.05	0.016	0.09	<0.1	8.6	0.10	0.03	39	0.4	0.06	5.9	0.79	<0.1	0.11
1531017	Soil	17.3	63.8	1.08	134.1	0.092	3	2.04	0.014	0.08	<0.1	6.8	0.11	0.03	40	0.7	0.04	5.7	0.90	<0.1	0.15
1531018	Soil	15.2	74.9	1.16	142.7	0.087	3	2.06	0.014	0.07	<0.1	8.1	0.09	0.05	57	0.9	0.05	6.1	0.87	<0.1	0.13
1531019	Soil	14.7	115.9	1.48	156.8	0.124	5	2.23	0.017	0.10	<0.1	11.2	0.10	0.02	57	0.7	0.04	6.3	0.79	<0.1	0.24



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		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1531383	Soil	1.18	7.4	1.6	<0.05	3.5	6.75	22.4	<0.02	<1	0.3	12.3	<10	<2
1531384	Soil	1.23	8.2	1.3	<0.05	4.6	11.55	26.6	<0.02	<1	0.3	12.5	<10	<2
1531385	Soil	1.25	10.3	0.6	<0.05	6.4	9.82	24.6	0.03	<1	0.3	13.0	<10	<2
1531386	Soil	1.38	9.4	1.2	<0.05	7.3	14.24	28.0	0.03	1	0.5	13.9	<10	<2
1531387	Soil	1.07	10.4	1.3	<0.05	6.9	12.18	27.1	0.02	3	0.4	15.1	<10	<2
1531388	Soil	0.75	7.2	4.8	<0.05	17.5	13.63	27.2	<0.02	<1	0.4	13.2	11	3
1531389	Soil	1.44	19.9	2.6	<0.05	12.6	16.19	34.8	0.03	<1	0.3	15.8	<10	3
1531390	Soil	1.04	8.3	2.0	<0.05	7.4	12.64	21.5	0.03	<1	0.4	13.2	<10	2
1531391	Soil	0.98	7.1	0.4	<0.05	2.8	4.60	17.3	<0.02	<1	0.3	11.8	<10	<2
1531392	Soil	1.08	8.2	0.7	<0.05	4.3	11.05	28.2	0.03	<1	0.5	14.8	<10	<2
1531393	Soil	1.19	7.7	0.5	<0.05	4.8	11.27	29.6	0.03	<1	0.4	13.8	<10	<2
1531001	Soil	0.77	12.8	1.1	<0.05	9.7	15.71	30.2	0.03	<1	0.4	17.0	<10	4
1531002	Soil	1.04	9.9	1.8	<0.05	10.4	14.54	33.6	0.03	<1	0.6	14.6	<10	<2
1531003	Soil	0.84	5.5	0.9	<0.05	4.1	10.21	21.8	0.02	<1	0.4	9.5	<10	2
1531004	Soil	0.54	9.2	1.2	<0.05	9.3	14.49	31.4	0.03	<1	0.6	16.3	<10	3
1531005	Soil	0.96	7.5	0.9	<0.05	11.3	15.37	31.5	0.03	<1	0.5	15.7	<10	<2
1531006	Soil	0.92	10.3	1.1	<0.05	9.1	13.54	29.6	0.04	<1	0.4	15.9	<10	2
1531007	Soil	1.10	9.4	0.8	<0.05	7.5	12.95	28.2	0.03	<1	0.4	13.9	<10	<2
1531008	Soil	1.15	9.2	1.4	<0.05	12.7	15.24	34.9	0.04	2	0.8	16.1	<10	<2
1531009	Soil	0.62	11.6	1.0	<0.05	12.2	16.47	31.3	0.03	<1	0.5	18.0	<10	3
1531010	Soil	1.16	7.2	1.3	<0.05	9.7	15.23	34.9	0.03	<1	0.6	16.5	<10	<2
1531011	Soil	1.03	7.8	0.7	<0.05	4.7	8.46	23.5	0.03	1	0.3	15.6	<10	<2
1531012	Soil	1.11	7.5	0.7	<0.05	6.6	11.87	30.5	0.03	<1	0.5	18.0	<10	<2
1531013	Soil	0.75	10.1	1.1	<0.05	8.1	13.70	28.9	0.04	<1	0.4	16.6	<10	<2
1531014	Soil	0.90	12.5	1.0	<0.05	10.7	15.32	33.6	0.03	<1	0.5	16.3	<10	<2
1531015	Soil	1.06	11.4	1.1	<0.05	9.1	17.79	37.7	0.04	<1	0.6	16.3	<10	<2
1531016	Soil	1.05	8.5	0.9	<0.05	7.0	14.55	34.4	0.03	<1	0.5	16.1	<10	<2
1531017	Soil	1.28	9.1	0.6	<0.05	8.4	12.90	38.2	0.03	2	0.7	16.5	<10	<2
1531018	Soil	1.22	7.7	0.6	<0.05	6.9	12.78	33.4	0.03	1	0.5	17.4	<10	<2
1531019	Soil	0.79	9.0	1.3	<0.05	11.0	14.98	31.7	0.04	<1	0.4	15.9	<10	<2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1531020	Soil	1.57	91.14	7.06	92.2	160	86.5	19.6	472	4.29	11.1	0.4	4.0	2.3	33.3	0.30	0.72	0.14	93	0.77	0.091
1531021	Soil	1.09	88.61	5.93	98.2	174	105.5	24.8	556	3.97	8.6	0.3	5.2	2.1	39.5	0.35	0.65	0.11	88	1.42	0.101
1531022	Soil	0.71	81.42	7.48	102.6	122	71.8	20.4	344	3.93	8.0	0.6	3.9	2.3	34.5	0.30	0.65	0.13	96	0.79	0.089
1531023	Soil	1.22	103.03	7.00	89.7	147	94.9	27.7	759	4.33	11.6	0.6	6.8	2.3	35.5	0.28	0.69	0.11	84	0.78	0.086
1531057	Soil	0.89	97.20	8.93	83.6	174	94.9	23.2	497	3.89	11.2	0.7	4.7	2.5	39.5	0.18	0.92	0.15	82	0.90	0.074
1531059	Soil	1.00	86.58	7.91	85.2	152	96.3	24.0	643	3.66	9.4	0.6	4.5	1.9	37.5	0.26	0.69	0.11	85	0.95	0.083
1531101	Soil	0.63	63.76	7.55	104.2	110	55.9	15.1	449	2.98	5.6	0.8	7.4	1.8	47.8	0.25	0.68	0.11	73	1.06	0.082
1531102	Soil	1.33	64.14	7.13	79.8	156	59.3	18.6	435	3.42	11.5	0.9	3.3	1.5	39.0	0.15	0.67	0.11	74	0.91	0.079
1531103	Soil	1.33	102.77	6.71	70.8	150	86.8	22.8	507	3.89	14.2	0.6	3.2	1.3	40.9	0.25	0.67	0.12	76	0.93	0.095
1531104	Soil	1.40	84.36	6.62	72.5	133	84.7	26.7	705	3.77	12.7	0.7	4.7	1.0	44.9	0.15	0.61	0.11	73	1.14	0.065
1531105	Soil	1.13	99.81	7.64	74.9	149	93.1	21.8	587	3.38	10.8	0.8	3.5	1.2	39.9	0.20	0.72	0.12	70	1.12	0.062
1531106	Soil	1.04	136.76	6.38	78.5	159	116.8	30.7	789	4.19	12.1	0.6	9.0	1.3	41.3	0.18	0.62	0.09	97	1.15	0.078
1531107	Soil	0.92	61.52	6.02	74.9	120	65.2	26.1	594	3.44	12.6	0.7	3.4	1.0	46.4	0.13	0.61	0.10	71	1.16	0.076
1531108	Soil	0.79	95.46	5.55	68.0	161	80.3	20.4	504	3.34	12.2	0.7	3.2	1.2	39.6	0.14	0.63	0.09	69	1.14	0.072
1531109	Soil	0.80	108.17	5.89	82.7	150	72.5	25.2	1173	4.17	10.4	0.7	2.4	1.3	33.6	0.18	0.58	0.09	79	1.27	0.093
1531110	Soil	1.65	79.78	8.28	76.1	169	77.8	22.0	711	3.86	17.5	0.9	4.3	1.1	39.6	0.18	0.91	0.13	73	1.08	0.068
1531111	Soil	1.30	75.53	7.26	77.0	157	68.3	20.6	596	3.49	12.9	0.8	5.4	1.1	48.1	0.18	0.78	0.12	68	1.31	0.063
1531112	Soil	0.65	102.25	3.80	62.4	129	206.8	40.1	878	5.84	5.2	0.3	4.7	1.1	25.6	0.12	0.25	0.05	141	1.23	0.054
1531113	Soil	0.82	77.71	7.39	75.5	128	68.1	19.9	619	3.11	11.9	0.9	2.9	1.1	44.6	0.18	0.71	0.11	57	1.24	0.070
1531114	Soil	1.55	63.78	7.82	88.8	138	63.7	20.5	396	3.75	12.2	0.8	6.0	1.9	33.3	0.18	0.82	0.12	77	0.70	0.074
1531115	Soil	1.76	80.35	8.73	75.8	146	76.5	20.8	569	3.74	13.1	1.0	2.5	1.2	39.1	0.13	0.81	0.14	76	0.94	0.065
1531116	Soil	1.57	90.79	6.10	69.2	141	56.0	19.4	529	3.44	10.8	0.6	4.8	0.9	38.5	0.17	0.68	0.10	64	0.88	0.088
1531117	Soil	1.06	83.81	7.98	71.7	142	78.3	23.8	861	3.79	10.2	0.8	3.4	1.4	40.9	0.12	0.73	0.10	79	1.11	0.079
1531118	Soil	1.40	47.96	5.92	112.0	140	57.3	18.4	797	3.68	14.1	0.7	2.4	1.2	40.9	0.21	0.61	0.09	73	1.08	0.101
1531119	Soil	1.23	68.97	6.77	81.3	167	65.9	21.0	665	3.54	12.0	0.6	2.3	1.1	41.9	0.17	0.68	0.10	76	1.12	0.067
1531120	Soil	1.73	63.02	6.56	70.2	108	73.2	25.3	694	3.93	14.4	0.6	2.8	1.4	37.6	0.12	0.64	0.10	81	0.90	0.066
1531121	Soil	1.08	90.75	8.27	91.9	232	90.9	22.3	526	3.41	9.4	1.1	6.4	2.3	36.3	0.17	0.92	0.19	81	0.89	0.068
1531122	Soil	1.60	141.64	9.14	85.9	147	98.7	25.6	570	4.15	15.9	1.1	7.7	1.8	37.2	0.13	0.97	0.18	79	0.83	0.066
1531123	Soil	1.81	49.57	6.51	79.3	118	41.3	15.1	582	2.98	11.4	0.7	2.0	0.9	49.1	0.21	0.74	0.10	56	1.19	0.112
1531124	Soil	0.98	78.28	7.10	94.2	153	76.6	20.5	483	3.61	8.7	1.1	4.2	2.3	40.4	0.34	0.91	0.12	74	1.05	0.090



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Method	Analyte	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1531020	Soil	14.3	91.7	1.44	139.2	0.124	5	2.13	0.022	0.16	<0.1	10.9	0.14	<0.02	46	0.6	0.05	6.2	1.06	<0.1	0.28
1531021	Soil	12.5	96.9	1.57	116.5	0.125	7	2.14	0.020	0.14	<0.1	10.6	0.12	<0.02	49	0.2	0.05	6.2	1.06	<0.1	0.25
1531022	Soil	13.9	113.3	1.57	113.8	0.129	4	2.23	0.015	0.12	<0.1	10.0	0.13	0.02	39	0.3	0.05	6.3	1.02	<0.1	0.24
1531023	Soil	14.8	112.9	1.57	149.3	0.102	5	2.11	0.017	0.11	<0.1	9.3	0.13	0.03	44	0.4	0.05	5.9	0.95	<0.1	0.14
1531057	Soil	18.1	83.6	1.29	174.5	0.108	4	2.04	0.019	0.09	0.2	9.8	0.09	0.03	74	<0.1	0.04	6.2	0.95	<0.1	0.12
1531059	Soil	13.1	98.1	1.49	132.6	0.105	5	2.09	0.016	0.10	0.1	9.4	0.11	0.03	44	0.5	0.05	6.2	0.75	<0.1	0.14
1531101	Soil	12.6	87.5	1.43	214.0	0.115	4	2.16	0.021	0.09	<0.1	7.5	0.10	0.06	47	0.4	0.05	6.2	0.76	<0.1	0.14
1531102	Soil	13.7	77.9	1.23	159.5	0.081	4	1.88	0.017	0.07	<0.1	7.2	0.08	0.05	48	0.3	0.05	5.5	0.71	<0.1	0.11
1531103	Soil	11.7	94.4	1.61	152.6	0.080	4	1.98	0.019	0.11	0.2	6.6	0.10	0.04	40	0.5	0.04	5.6	0.89	<0.1	0.07
1531104	Soil	10.4	97.5	1.62	245.6	0.072	4	2.01	0.020	0.08	0.1	6.3	0.07	0.06	35	0.4	0.05	5.3	0.71	<0.1	0.06
1531105	Soil	12.4	82.2	1.39	177.9	0.079	4	1.85	0.021	0.09	0.1	6.6	0.08	0.05	52	0.6	0.07	5.1	0.68	<0.1	0.07
1531106	Soil	12.7	98.7	1.97	154.6	0.100	5	2.24	0.016	0.11	0.1	8.1	0.10	0.05	37	0.6	0.03	6.0	0.91	<0.1	0.12
1531107	Soil	10.5	84.5	1.39	128.2	0.068	4	1.81	0.020	0.07	<0.1	5.8	0.08	0.06	39	0.3	0.03	5.1	0.71	<0.1	0.07
1531108	Soil	11.8	77.3	1.39	120.8	0.076	4	1.85	0.020	0.09	<0.1	7.0	0.08	0.05	41	0.5	0.04	5.1	0.69	<0.1	0.10
1531109	Soil	11.1	74.4	2.13	118.2	0.069	4	2.62	0.012	0.07	0.2	7.9	0.06	0.04	37	0.4	0.03	6.3	0.58	<0.1	0.09
1531110	Soil	15.3	70.8	1.15	175.0	0.056	4	2.02	0.018	0.07	<0.1	6.7	0.08	0.05	44	0.6	0.05	5.7	0.83	<0.1	0.06
1531111	Soil	12.4	82.0	1.28	141.2	0.070	4	1.81	0.021	0.08	0.1	6.9	0.08	0.05	41	0.4	0.04	5.2	0.71	<0.1	0.07
1531112	Soil	9.1	637.0	4.45	73.0	0.023	11	3.87	0.006	0.05	<0.1	23.9	0.04	<0.02	27	0.2	0.03	8.7	1.01	<0.1	0.08
1531113	Soil	12.7	86.2	1.05	128.5	0.053	5	1.58	0.022	0.07	0.2	5.9	0.07	0.05	45	0.3	0.04	4.6	0.66	<0.1	0.06
1531114	Soil	14.2	77.7	1.15	153.7	0.075	3	2.03	0.015	0.07	<0.1	7.4	0.09	0.03	41	0.3	0.05	6.0	0.86	<0.1	0.07
1531115	Soil	16.3	70.6	1.14	157.8	0.065	3	1.97	0.015	0.07	<0.1	7.2	0.07	0.04	39	0.5	0.06	5.7	0.79	<0.1	0.05
1531116	Soil	10.9	61.4	1.20	128.4	0.061	3	1.78	0.017	0.09	0.2	6.0	0.08	0.06	42	0.5	0.04	5.0	0.80	<0.1	0.04
1531117	Soil	13.7	85.6	1.50	140.9	0.088	5	2.20	0.017	0.10	0.1	8.0	0.10	0.05	50	0.5	0.05	5.8	0.81	<0.1	0.11
1531118	Soil	9.9	85.8	1.27	114.2	0.084	5	1.92	0.018	0.09	<0.1	7.1	0.09	0.07	34	0.4	0.02	5.5	0.82	<0.1	0.08
1531119	Soil	10.0	80.6	1.31	135.7	0.075	4	1.90	0.018	0.08	0.1	6.9	0.08	0.06	35	0.4	0.03	5.5	0.78	<0.1	0.08
1531120	Soil	9.9	96.6	1.45	129.1	0.094	5	1.97	0.018	0.10	<0.1	7.4	0.09	0.04	44	0.4	0.04	5.6	0.84	<0.1	0.09
1531121	Soil	15.9	79.8	1.34	204.2	0.091	4	2.03	0.019	0.09	<0.1	8.6	0.10	0.03	51	0.6	0.05	6.3	0.77	<0.1	0.11
1531122	Soil	21.1	89.4	1.36	375.6	0.070	3	2.14	0.017	0.08	0.1	9.2	0.09	0.04	59	0.6	0.06	5.9	0.85	<0.1	0.09
1531123	Soil	12.7	50.5	0.90	131.0	0.060	4	1.45	0.020	0.07	<0.1	4.9	0.08	0.07	32	0.5	0.04	4.4	0.68	<0.1	0.10
1531124	Soil	17.1	73.7	1.19	164.9	0.103	5	1.83	0.017	0.11	<0.1	8.3	0.11	0.05	48	0.8	0.04	5.3	0.66	<0.1	0.24



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Method	Analyte	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1531020	Soil	0.48	13.0	1.8	<0.05	13.0	15.51	28.5	0.03	<1	0.5	16.0	13	2
1531021	Soil	0.45	11.2	1.1	<0.05	11.9	13.46	27.3	0.04	<1	0.4	14.5	10	3
1531022	Soil	1.01	14.0	1.0	<0.05	10.6	13.27	30.5	0.03	<1	0.5	16.4	<10	<2
1531023	Soil	0.85	11.8	0.9	<0.05	7.3	14.62	32.4	0.03	<1	0.5	15.2	<10	3
1531057	Soil	1.26	9.9	1.7	<0.05	6.9	18.23	37.2	0.03	<1	0.5	17.6	<10	3
1531059	Soil	0.99	9.3	1.4	<0.05	6.8	13.99	29.2	0.04	<1	0.5	15.5	<10	<2
1531101	Soil	1.32	8.3	1.0	<0.05	7.3	10.87	27.2	0.03	<1	0.4	16.7	<10	2
1531102	Soil	1.10	7.4	0.7	<0.05	4.9	12.52	29.8	0.03	<1	0.4	14.3	<10	2
1531103	Soil	0.97	10.0	0.7	<0.05	3.7	10.61	24.9	0.03	<1	0.5	14.9	<10	<2
1531104	Soil	0.91	7.0	0.7	<0.05	3.4	9.15	24.4	0.02	<1	0.3	15.2	<10	3
1531105	Soil	1.02	7.8	0.5	<0.05	4.0	11.55	27.0	0.03	<1	0.4	14.5	<10	<2
1531106	Soil	0.94	11.0	0.7	<0.05	4.5	13.37	26.2	<0.02	<1	0.4	15.5	<10	3
1531107	Soil	0.99	8.2	0.5	<0.05	3.6	8.78	22.7	<0.02	<1	0.4	13.8	<10	3
1531108	Soil	1.00	8.1	0.5	<0.05	4.3	12.18	24.8	0.03	1	0.2	14.1	<10	<2
1531109	Soil	0.80	6.6	0.5	<0.05	3.8	13.18	23.6	0.03	<1	0.3	21.3	<10	3
1531110	Soil	1.05	7.2	0.7	<0.05	2.8	14.10	34.8	0.04	<1	0.5	15.7	<10	2
1531111	Soil	1.12	7.4	1.0	<0.05	3.8	12.15	26.9	0.02	1	0.5	14.5	<10	2
1531112	Soil	0.23	4.1	0.8	<0.05	3.1	13.47	17.8	0.05	<1	0.6	32.2	<10	2
1531113	Soil	0.93	6.2	1.2	<0.05	3.4	11.93	25.8	0.03	1	0.6	12.6	<10	<2
1531114	Soil	1.19	8.1	0.6	<0.05	4.3	11.05	30.3	0.03	<1	0.4	15.7	<10	<2
1531115	Soil	1.04	7.5	1.6	<0.05	2.7	15.15	34.4	0.03	<1	0.6	15.7	<10	<2
1531116	Soil	0.92	9.0	0.6	<0.05	2.7	10.09	23.2	0.02	<1	0.4	13.9	<10	<2
1531117	Soil	1.06	10.3	3.2	<0.05	4.7	13.69	29.5	0.04	<1	0.4	17.0	<10	<2
1531118	Soil	0.99	8.9	0.7	<0.05	4.3	8.93	22.3	0.03	<1	0.3	14.7	<10	<2
1531119	Soil	1.06	7.4	1.4	<0.05	3.6	8.30	23.0	0.03	<1	0.4	14.5	<10	<2
1531120	Soil	1.01	8.8	1.0	<0.05	4.2	8.38	22.7	0.03	<1	0.5	14.6	<10	<2
1531121	Soil	1.23	8.0	0.9	<0.05	6.4	15.46	33.4	0.04	<1	0.7	18.6	<10	2
1531122	Soil	1.01	7.8	0.8	<0.05	4.4	22.92	40.7	0.03	<1	0.5	16.6	<10	<2
1531123	Soil	1.07	7.0	0.7	<0.05	4.2	9.45	27.8	<0.02	<1	0.4	10.5	<10	<2
1531124	Soil	1.48	9.6	0.7	<0.05	11.9	15.79	37.0	0.03	<1	0.6	15.3	10	2



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Method Analyte	Unit MDL	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1531125	Soil	1.30	80.21	6.75	103.1	125	95.6	23.5	515	4.37	12.0	0.8	2.6	2.1	37.5	0.27	0.70	0.10	87	0.87	0.099
1531126	Soil	1.03	32.01	5.44	54.3	102	27.1	8.0	459	1.66	5.0	0.7	2.9	0.6	37.5	0.20	0.62	0.08	28	1.00	0.096
1531127	Soil	1.65	83.95	7.63	76.9	134	102.7	35.4	924	4.61	15.0	0.6	3.7	2.1	33.0	0.19	0.70	0.11	90	0.76	0.058
1531128	Soil	1.30	57.61	6.87	76.1	94	63.6	18.4	540	3.79	10.2	0.6	2.6	2.1	33.2	0.06	0.58	0.11	80	0.74	0.062
1531129	Soil	1.42	60.53	8.13	73.3	135	60.9	21.5	669	3.83	16.3	0.9	2.9	1.5	39.1	0.07	0.92	0.13	74	0.86	0.070
1531130	Soil	1.08	55.67	7.19	81.8	86	55.1	22.0	439	4.27	11.1	0.6	2.0	2.2	32.9	0.10	0.59	0.09	87	0.70	0.081
1531131	Soil	1.32	56.76	7.71	88.2	132	65.4	24.3	712	4.53	13.6	0.7	4.5	1.8	38.5	0.14	0.66	0.15	97	0.88	0.082
1531132	Soil	1.02	75.35	6.77	82.4	133	78.9	21.1	519	3.72	11.2	0.7	2.8	1.8	40.1	0.26	0.79	0.13	85	0.96	0.085
1531133	Soil	1.73	50.33	5.82	70.1	111	50.9	16.9	743	3.10	14.1	0.7	1.6	1.1	44.8	0.22	0.69	0.14	63	1.11	0.060
1531134	Soil	1.56	46.63	6.88	85.7	99	62.1	22.8	841	4.16	11.0	0.5	4.5	1.7	36.8	0.15	0.49	0.13	94	0.81	0.072
1531135	Soil	1.50	60.83	7.64	77.6	115	54.2	20.7	599	4.12	15.6	0.9	3.7	1.4	33.7	0.12	0.79	0.13	79	0.76	0.079
1531136	Soil	1.05	92.72	8.09	82.9	193	114.3	24.5	539	3.98	13.5	0.6	5.4	2.1	41.3	0.22	0.82	0.15	91	0.96	0.073
1531137	Soil	1.53	59.82	6.76	95.9	130	63.3	22.3	640	3.76	10.9	0.8	3.2	1.4	39.6	0.30	0.74	0.13	77	0.87	0.074
1531138	Soil	0.64	93.86	7.06	87.3	169	88.1	20.9	611	3.50	7.7	0.7	4.2	1.9	45.7	0.24	0.78	0.13	79	1.49	0.083
1531139	Soil	1.24	85.62	7.77	98.1	180	96.0	25.5	723	4.54	12.0	0.6	3.8	2.5	40.4	0.31	0.62	0.12	99	0.86	0.093
1531140	Soil	2.63	75.19	4.93	85.6	103	51.8	17.5	1838	3.48	41.0	0.8	3.7	0.5	58.0	0.50	0.85	0.10	39	1.77	0.129
1531141	Soil	1.29	72.68	11.32	89.7	157	79.5	19.9	529	4.24	11.1	0.6	5.8	2.2	39.6	0.14	0.58	0.13	100	0.84	0.079
1531142	Soil	1.65	45.96	7.09	96.6	102	65.3	21.3	519	4.68	13.0	0.6	7.8	2.1	34.5	0.15	0.56	0.10	104	0.75	0.078
1531143	Soil	1.26	69.98	8.02	91.0	158	79.6	23.5	512	4.12	12.0	0.8	4.0	2.7	37.7	0.25	0.70	0.13	94	0.80	0.076
1531144	Soil	1.02	89.78	6.52	85.1	123	105.2	24.2	804	4.16	10.3	0.6	3.6	2.2	39.1	0.42	0.57	0.11	97	0.89	0.091
1531145	Soil	1.11	74.90	6.78	93.0	139	79.0	21.4	442	4.39	12.4	0.6	4.0	2.3	37.9	0.32	0.68	0.11	93	0.92	0.086
1531146	Soil	1.37	67.95	6.01	64.4	124	62.2	16.0	676	3.17	11.6	0.7	4.7	1.1	43.4	0.16	0.73	0.11	65	1.20	0.073
1531147	Soil	1.40	89.87	8.46	87.3	171	92.8	23.8	526	4.48	14.7	0.9	3.8	2.8	38.2	0.29	0.88	0.14	93	0.87	0.075
1531148	Soil	1.29	63.07	6.92	89.0	136	71.3	23.9	749	3.79	9.9	0.7	4.9	1.9	41.0	0.24	0.61	0.11	86	0.96	0.078
1531149	Soil	1.20	83.47	6.86	85.8	156	107.2	26.6	1102	4.46	11.3	0.5	3.6	1.7	44.9	0.26	0.49	0.10	100	1.07	0.094
1531150	Soil	1.44	103.28	8.41	88.2	180	121.2	25.8	734	4.31	11.4	0.7	3.4	1.8	43.0	0.34	0.69	0.10	96	1.10	0.089
1531451	Soil	0.85	63.56	6.65	84.7	143	68.6	19.5	646	3.42	9.8	1.0	4.3	1.5	49.9	0.20	0.70	0.10	75	1.41	0.089
1531452	Soil	1.06	79.13	7.24	87.8	62	102.1	25.2	885	4.38	12.0	0.6	6.6	2.1	37.1	0.23	0.61	0.10	105	0.95	0.070
1531453	Soil	1.20	77.15	8.97	84.6	161	83.9	22.2	670	3.91	11.1	0.6	3.4	2.2	51.3	0.21	0.68	0.12	89	1.53	0.085
1531454	Soil	1.02	63.69	6.61	80.9	129	78.5	19.6	603	3.58	9.2	0.6	2.6	1.6	44.5	0.28	0.57	0.09	84	1.21	0.080



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Method	Analyte	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02
1531125	Soil	16.1	110.7	1.40	132.9	0.122	5	2.07	0.018	0.12	<0.1	8.7	0.11	0.04	32	0.6	0.03	5.6	0.87	<0.1	0.19
1531126	Soil	8.4	28.9	0.51	98.0	0.034	3	0.95	0.025	0.04	0.1	2.8	0.07	0.10	38	0.6	0.03	3.1	0.56	<0.1	0.06
1531127	Soil	13.1	111.9	1.60	151.1	0.116	4	2.24	0.017	0.11	<0.1	9.3	0.09	0.02	39	0.5	0.06	6.0	0.75	<0.1	0.12
1531128	Soil	12.9	78.7	1.30	134.1	0.103	3	2.05	0.017	0.07	<0.1	7.4	0.09	0.02	25	0.1	0.04	5.8	0.72	<0.1	0.12
1531129	Soil	15.4	70.4	1.10	159.6	0.068	3	1.91	0.015	0.07	<0.1	6.9	0.10	0.05	57	0.6	0.05	5.7	0.86	<0.1	0.07
1531130	Soil	14.1	85.5	1.39	103.4	0.124	3	2.17	0.016	0.09	<0.1	7.0	0.11	<0.02	29	0.2	0.03	6.2	0.84	<0.1	0.19
1531131	Soil	11.9	94.5	1.58	111.8	0.114	5	2.29	0.017	0.09	<0.1	8.7	0.10	0.03	54	0.3	0.05	6.3	0.75	<0.1	0.12
1531132	Soil	13.8	82.5	1.27	141.0	0.101	4	1.96	0.020	0.09	0.2	8.8	0.09	0.05	53	0.2	0.03	5.5	0.65	<0.1	0.14
1531133	Soil	11.2	56.1	0.92	135.0	0.072	4	1.56	0.022	0.06	0.2	5.6	0.08	0.07	49	0.4	0.03	4.6	0.57	<0.1	0.11
1531134	Soil	9.2	88.4	1.45	125.9	0.116	4	2.13	0.020	0.09	<0.1	7.7	0.11	0.03	29	0.3	0.05	6.1	0.72	<0.1	0.10
1531135	Soil	14.5	70.3	1.25	152.0	0.050	4	2.02	0.016	0.07	0.1	7.6	0.09	0.04	49	0.7	0.04	5.6	0.57	<0.1	0.09
1531136	Soil	16.6	91.0	1.39	174.7	0.102	4	2.12	0.023	0.10	0.1	10.0	0.10	0.03	68	0.9	0.04	6.2	0.76	<0.1	0.14
1531137	Soil	11.9	77.1	1.18	130.7	0.081	4	1.83	0.020	0.08	<0.1	7.1	0.09	0.06	49	0.5	0.04	5.3	0.70	<0.1	0.09
1531138	Soil	16.2	80.4	1.29	174.6	0.095	7	2.00	0.022	0.10	0.1	9.5	0.10	0.05	81	1.0	0.03	5.7	0.68	<0.1	0.16
1531139	Soil	16.4	102.6	1.55	154.0	0.120	5	2.27	0.025	0.12	<0.1	11.5	0.12	<0.02	52	0.5	0.02	6.3	0.87	<0.1	0.22
1531140	Soil	8.6	28.6	0.41	198.4	0.022	6	0.92	0.022	0.04	0.2	2.6	0.09	0.31	57	1.4	0.03	2.5	0.44	<0.1	0.08
1531141	Soil	15.7	100.5	1.52	172.4	0.123	4	2.41	0.021	0.09	<0.1	11.1	0.11	<0.02	56	0.2	0.04	7.1	0.80	<0.1	0.16
1531142	Soil	11.5	108.0	1.54	123.2	0.134	4	2.36	0.018	0.08	<0.1	9.3	0.09	<0.02	48	0.3	0.03	7.0	0.71	<0.1	0.21
1531143	Soil	15.8	88.8	1.38	163.0	0.114	4	2.21	0.020	0.09	<0.1	9.9	0.10	0.03	64	0.7	0.02	6.2	0.73	<0.1	0.24
1531144	Soil	14.2	105.4	1.60	143.4	0.119	5	2.17	0.023	0.12	<0.1	10.5	0.12	0.03	79	0.6	0.03	6.0	0.84	<0.1	0.22
1531145	Soil	15.0	95.1	1.35	139.1	0.124	4	2.09	0.021	0.10	<0.1	10.3	0.11	0.04	50	0.9	0.05	6.0	0.70	<0.1	0.25
1531146	Soil	13.9	68.6	1.05	142.0	0.072	4	1.70	0.023	0.07	0.2	6.3	0.09	0.06	49	0.6	0.03	5.0	0.61	<0.1	0.10
1531147	Soil	18.3	84.6	1.30	179.1	0.107	4	2.18	0.021	0.09	<0.1	10.2	0.10	0.03	60	0.9	0.05	6.0	0.71	<0.1	0.21
1531148	Soil	12.8	85.4	1.39	132.5	0.109	4	2.09	0.021	0.09	<0.1	8.3	0.09	0.04	42	0.3	0.05	6.0	0.70	<0.1	0.14
1531149	Soil	12.1	109.0	1.74	147.8	0.125	5	2.33	0.023	0.12	<0.1	10.1	0.12	0.03	55	0.4	0.04	6.3	0.86	<0.1	0.14
1531150	Soil	13.7	106.0	1.67	157.1	0.116	6	2.16	0.023	0.12	<0.1	9.9	0.12	0.03	55	0.4	0.04	6.0	0.78	<0.1	0.19
1531451	Soil	13.1	69.6	1.26	130.1	0.089	6	1.84	0.022	0.12	<0.1	7.2	0.09	0.07	51	0.6	<0.02	5.1	0.67	<0.1	0.17
1531452	Soil	14.1	97.3	1.82	124.2	0.151	6	2.40	0.028	0.14	<0.1	10.4	0.11	<0.02	59	0.4	0.05	6.9	0.80	<0.1	0.20
1531453	Soil	15.5	78.5	1.47	159.4	0.120	5	2.04	0.027	0.12	<0.1	9.0	0.09	0.02	63	0.3	0.03	5.9	0.73	<0.1	0.17
1531454	Soil	11.8	75.7	1.51	123.3	0.123	6	1.93	0.027	0.12	<0.1	7.8	0.09	0.03	45	0.4	<0.02	5.5	0.68	<0.1	0.16



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Project: Kluane West

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Method	Analyte	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1531125	Soil	1.27	11.2	1.0	<0.05	12.6	14.40	34.1	0.02	<1	0.4	15.3	<10	3
1531126	Soil	0.67	3.9	0.3	<0.05	2.8	6.86	17.6	<0.02	<1	0.3	7.8	<10	<2
1531127	Soil	0.91	8.4	1.5	<0.05	6.6	11.78	30.9	0.04	<1	0.5	17.0	<10	3
1531128	Soil	0.93	7.1	0.9	<0.05	6.7	10.25	29.3	0.03	<1	0.6	15.7	<10	<2
1531129	Soil	1.12	8.0	0.9	<0.05	3.8	12.89	33.3	0.03	<1	0.6	14.8	<10	<2
1531130	Soil	1.02	10.3	0.8	<0.05	10.1	9.94	30.6	0.03	<1	0.5	15.4	<10	<2
1531131	Soil	1.09	8.6	1.8	<0.05	6.8	9.63	25.5	0.03	<1	0.5	17.1	11	3
1531132	Soil	1.23	8.0	0.6	<0.05	7.6	13.20	28.6	0.03	<1	0.5	14.3	11	<2
1531133	Soil	1.15	5.7	1.0	<0.05	5.0	8.91	23.4	0.03	<1	0.4	11.7	<10	3
1531134	Soil	1.08	8.5	1.0	<0.05	5.8	6.55	21.2	0.02	<1	0.5	16.5	<10	2
1531135	Soil	0.90	6.7	0.8	<0.05	4.0	12.58	31.2	0.03	<1	0.5	14.5	<10	3
1531136	Soil	1.31	9.7	0.9	<0.05	8.6	16.79	33.8	0.04	<1	0.5	16.1	<10	<2
1531137	Soil	1.11	8.0	0.6	<0.05	5.1	10.11	24.6	0.04	<1	0.4	13.9	<10	<2
1531138	Soil	1.35	8.7	0.9	<0.05	8.5	16.54	31.3	0.03	<1	0.4	16.1	<10	3
1531139	Soil	0.95	9.8	2.0	<0.05	10.7	16.67	32.1	0.04	<1	0.5	16.8	<10	4
1531140	Soil	0.67	2.9	0.4	<0.05	3.3	7.98	17.8	<0.02	1	0.4	4.6	<10	4
1531141	Soil	1.01	8.4	5.4	<0.05	8.2	15.78	28.6	0.04	<1	0.5	17.9	<10	<2
1531142	Soil	1.06	7.6	0.9	<0.05	8.6	9.00	24.1	0.03	1	0.4	17.2	<10	2
1531143	Soil	1.26	9.0	0.8	<0.05	10.9	15.02	33.6	0.03	<1	0.4	16.1	13	<2
1531144	Soil	1.06	10.8	0.8	<0.05	10.2	13.40	30.8	0.03	<1	0.5	15.3	<10	3
1531145	Soil	1.17	9.8	0.7	<0.05	11.9	15.00	31.5	0.04	1	0.5	15.9	16	2
1531146	Soil	1.09	6.6	0.6	<0.05	5.0	12.71	26.2	0.04	<1	0.4	12.0	<10	<2
1531147	Soil	1.31	9.6	0.9	<0.05	12.6	17.23	37.6	0.04	<1	0.6	16.8	<10	2
1531148	Soil	1.18	8.8	0.6	<0.05	6.9	10.81	29.4	0.03	<1	0.5	17.1	<10	<2
1531149	Soil	0.96	9.8	2.0	<0.05	6.9	11.45	26.4	0.03	<1	0.6	16.2	<10	3
1531150	Soil	1.10	9.9	2.4	<0.05	7.5	15.32	26.7	0.03	1	0.5	15.5	<10	<2
1531451	Soil	1.25	9.2	0.7	<0.05	7.5	12.05	27.4	0.02	<1	0.4	14.4	<10	3
1531452	Soil	1.02	10.3	1.4	<0.05	8.9	14.00	30.4	0.04	<1	0.6	16.3	<10	2
1531453	Soil	1.18	8.2	2.8	<0.05	9.2	14.87	31.9	0.04	<1	0.7	14.1	<10	<2
1531454	Soil	1.22	8.5	1.4	<0.05	7.5	11.67	25.7	0.02	<1	0.4	14.2	<10	3



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	Method Analyte Unit MDL	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
1531455	Soil	0.84	79.54	5.31	79.0	126	91.2	22.2	729	3.76	10.8	0.5	3.3	1.7	74.2	0.28	0.49	0.07	91	2.92	0.093
1531456	Soil	0.79	75.98	6.06	79.9	113	104.2	24.1	778	3.86	10.5	0.5	2.5	1.8	82.0	0.28	0.54	0.08	94	3.57	0.095
1531457	Soil	0.94	63.03	6.17	79.8	130	93.6	23.2	759	3.91	10.7	0.5	2.3	1.9	64.4	0.30	0.51	0.08	93	2.29	0.096
1531458	Soil	1.02	92.27	8.03	97.2	235	83.0	23.1	847	3.97	13.1	1.1	3.3	1.4	61.5	0.25	0.79	0.12	84	1.83	0.086
1531459	Soil	0.84	77.11	7.10	94.0	171	82.6	23.0	881	3.74	10.8	1.0	3.1	1.7	64.3	0.26	0.75	0.10	83	2.14	0.087
1531460	Soil	1.21	73.09	7.08	81.1	97	86.1	24.1	678	4.28	11.8	0.5	3.2	2.0	43.6	0.22	0.60	0.10	101	1.06	0.087
1531461	Soil	1.19	76.36	8.43	108.1	151	84.7	23.4	547	4.11	12.0	0.8	3.4	2.3	47.7	0.35	0.67	0.11	92	1.35	0.095
1531462	Soil	1.05	90.67	7.45	99.6	177	102.3	25.9	934	4.49	12.1	0.5	3.0	2.1	73.1	0.42	0.76	0.08	105	3.08	0.095
1531463	Soil	1.11	67.65	7.01	70.4	167	58.2	16.4	498	3.20	11.6	0.8	2.9	0.8	51.0	0.22	0.69	0.10	67	1.35	0.080
1531464	Soil	0.83	69.43	6.08	82.3	137	96.0	23.7	748	3.87	11.0	0.5	2.6	1.8	83.9	0.28	0.45	0.07	95	3.65	0.096
1531465	Soil	1.09	75.83	7.32	82.2	137	92.7	23.7	752	3.95	11.0	0.6	2.6	1.8	73.0	0.26	0.57	0.08	94	2.81	0.097
1531466	Soil	0.83	51.93	5.67	80.4	129	53.1	14.4	500	2.85	7.2	1.2	4.7	1.2	52.7	0.31	0.63	0.09	60	1.54	0.106
1531467	Soil	1.03	56.81	7.25	78.2	122	57.7	19.4	635	3.23	10.6	0.6	2.8	1.6	52.2	0.20	0.77	0.12	65	1.22	0.110
1531468	Soil	0.91	69.30	8.38	93.2	147	67.9	22.2	788	4.02	10.5	0.8	2.7	3.3	96.5	0.36	0.75	0.15	90	3.78	0.110
1531469	Soil	1.03	53.57	7.26	81.4	120	50.8	17.4	712	3.37	8.6	0.8	0.8	3.0	78.8	0.26	0.59	0.11	75	3.32	0.120
1531470	Soil	0.99	67.52	10.11	113.9	211	75.4	21.4	925	3.85	10.7	0.6	1.9	2.4	93.8	0.53	0.69	0.12	83	3.32	0.100



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Project: Kluane West

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CERTIFICATE OF ANALYSIS

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Method	Analyte	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1531455	Soil	11.7	81.1	1.80	117.0	0.143	8	2.00	0.031	0.14	<0.1	8.2	0.09	0.03	34	0.3	0.03	5.6	0.70	<0.1	0.17
1531456	Soil	12.1	88.7	1.92	125.0	0.145	7	2.14	0.033	0.14	<0.1	8.7	0.09	<0.02	49	0.1	<0.02	5.9	0.74	<0.1	0.18
1531457	Soil	11.9	88.1	1.91	110.8	0.152	7	2.08	0.032	0.15	<0.1	8.4	0.09	0.03	40	0.4	0.03	6.0	0.76	<0.1	0.20
1531458	Soil	14.2	80.4	1.51	187.4	0.092	6	2.18	0.026	0.14	<0.1	7.4	0.07	0.05	70	0.8	0.03	5.8	0.63	<0.1	0.12
1531459	Soil	13.5	80.1	1.51	180.4	0.100	7	2.04	0.024	0.15	<0.1	8.1	0.09	0.05	62	0.5	0.04	5.8	0.68	<0.1	0.20
1531460	Soil	13.9	94.6	1.67	136.4	0.142	5	2.30	0.025	0.15	<0.1	10.0	0.09	<0.02	53	0.3	0.02	6.5	0.75	<0.1	0.20
1531461	Soil	14.3	90.4	1.51	147.9	0.121	7	2.25	0.023	0.17	<0.1	9.3	0.11	0.05	48	0.9	0.03	6.6	0.86	<0.1	0.22
1531462	Soil	13.2	106.1	2.04	153.1	0.169	8	2.43	0.033	0.20	<0.1	10.7	0.11	<0.02	57	<0.1	0.04	6.7	1.00	<0.1	0.25
1531463	Soil	13.0	59.8	0.98	151.9	0.062	3	1.72	0.027	0.09	<0.1	5.5	0.06	0.06	48	0.5	<0.02	5.1	0.64	<0.1	0.06
1531464	Soil	11.0	87.0	2.03	113.6	0.156	9	2.08	0.033	0.14	<0.1	8.2	0.08	0.03	52	0.6	<0.02	5.7	0.74	<0.1	0.23
1531465	Soil	12.8	86.2	1.80	140.8	0.142	9	2.15	0.033	0.12	<0.1	8.5	0.10	0.03	61	0.4	0.03	5.9	0.72	<0.1	0.21
1531466	Soil	12.3	55.9	1.03	97.4	0.082	6	1.56	0.021	0.10	<0.1	5.7	0.08	0.08	53	0.7	0.02	4.7	0.62	<0.1	0.11
1531467	Soil	13.6	56.5	1.05	145.9	0.084	5	1.58	0.021	0.08	<0.1	5.9	0.08	0.06	36	0.5	<0.02	4.6	0.66	<0.1	0.12
1531468	Soil	18.0	72.7	1.70	162.0	0.145	6	2.11	0.034	0.17	<0.1	9.2	0.12	0.03	56	0.2	0.03	6.1	1.18	0.1	0.48
1531469	Soil	19.2	53.9	1.28	133.7	0.117	6	1.49	0.028	0.11	<0.1	7.8	0.09	0.04	39	0.3	<0.02	4.8	0.80	<0.1	0.25
1531470	Soil	14.4	75.1	1.58	187.2	0.121	7	2.04	0.029	0.18	<0.1	8.6	0.10	0.03	43	0.5	0.03	5.8	0.81	<0.1	0.18



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Project: Kluane West

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CERTIFICATE OF ANALYSIS

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Method	Analyte	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1531455	Soil	0.87	8.0	0.5	<0.05	8.1	12.30	24.9	0.02	<1	0.4	13.6	<10	3
1531456	Soil	0.77	7.9	1.2	<0.05	8.5	12.65	25.7	0.03	<1	0.4	14.1	<10	3
1531457	Soil	0.85	7.9	1.2	<0.05	9.7	11.88	25.2	0.02	3	0.3	14.5	<10	<2
1531458	Soil	1.24	8.8	1.1	<0.05	5.9	13.57	29.5	0.04	<1	0.5	16.3	10	3
1531459	Soil	1.39	8.6	1.0	<0.05	8.1	12.66	28.3	0.03	<1	0.6	14.5	<10	<2
1531460	Soil	1.17	9.0	1.2	<0.05	8.5	13.73	28.9	0.04	<1	0.5	16.0	<10	<2
1531461	Soil	1.23	10.9	1.7	<0.05	10.2	13.39	29.9	0.02	<1	0.5	16.7	<10	<2
1531462	Soil	1.22	10.4	1.9	<0.05	12.0	13.83	28.4	0.03	<1	0.3	17.9	<10	4
1531463	Soil	1.05	6.6	0.6	<0.05	3.2	11.14	26.0	<0.02	<1	0.3	10.7	<10	<2
1531464	Soil	0.32	7.3	1.6	<0.05	10.2	12.04	23.3	0.02	2	0.5	14.0	<10	3
1531465	Soil	1.08	7.8	1.7	<0.05	9.1	13.02	26.9	0.03	<1	0.4	15.3	<10	3
1531466	Soil	1.12	8.1	0.5	<0.05	5.1	11.00	24.3	<0.02	3	0.4	12.0	<10	<2
1531467	Soil	1.07	6.4	0.9	<0.05	5.8	11.31	27.7	0.03	<1	0.5	12.1	<10	<2
1531468	Soil	0.78	10.8	1.9	<0.05	21.9	14.76	35.9	0.03	1	0.8	16.7	<10	3
1531469	Soil	0.42	7.6	1.3	<0.05	16.6	15.26	37.6	0.03	2	0.6	12.1	14	2
1531470	Soil	0.88	9.4	4.6	<0.05	9.6	13.08	29.4	0.04	1	0.5	15.6	<10	3



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Project: Kluane West
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QUALITY CONTROL REPORT

WHI16000304.1

Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
Pulp Duplicates																					
1531215	Soil	1.06	54.57	7.59	96.2	110	50.3	17.7	446	3.12	8.7	0.7	2.1	2.1	44.5	0.42	0.66	0.12	65	0.87	0.079
REP 1531215	QC	1.05	55.02	7.64	100.0	105	51.4	18.1	439	3.12	8.7	0.7	3.0	2.2	43.5	0.42	0.67	0.12	64	0.85	0.079
1531269	Soil	1.89	59.63	7.42	118.2	161	51.5	20.8	551	4.32	17.4	1.3	6.6	3.2	57.8	0.63	1.01	0.15	81	0.77	0.119
REP 1531269	QC	1.77	61.07	7.48	116.5	163	51.5	20.7	553	4.26	17.3	1.4	4.1	3.3	57.5	0.58	1.03	0.15	80	0.77	0.112
1531303	Soil	0.59	61.04	2.81	41.1	89	19.2	6.9	728	1.03	4.7	0.6	1.3	0.3	40.1	0.39	0.41	0.05	18	2.12	0.065
REP 1531303	QC	0.66	65.68	2.97	44.8	95	19.8	7.5	781	1.10	4.7	0.6	0.9	0.3	43.4	0.42	0.46	0.08	20	2.22	0.070
1531334	Soil	2.45	47.26	8.41	96.7	54	42.2	18.7	476	4.14	17.7	0.6	2.6	1.7	33.2	0.19	1.02	0.18	86	0.73	0.039
REP 1531334	QC	2.39	45.54	8.30	95.2	58	41.0	18.2	471	3.97	17.5	0.6	3.3	1.5	32.3	0.21	1.03	0.17	84	0.70	0.039
1531385	Soil	0.98	36.04	5.86	89.5	93	42.9	17.9	591	2.89	7.1	0.7	3.2	1.5	43.8	0.17	0.56	0.10	66	1.01	0.084
REP 1531385	QC	0.95	36.45	6.06	89.0	93	43.6	18.0	610	2.92	7.4	0.8	1.8	1.5	44.0	0.17	0.58	0.09	67	1.03	0.085
1531101	Soil	0.63	63.76	7.55	104.2	110	55.9	15.1	449	2.98	5.6	0.8	7.4	1.8	47.8	0.25	0.68	0.11	73	1.06	0.082
REP 1531101	QC	0.58	59.73	7.16	100.9	103	53.4	15.1	410	2.85	5.6	0.7	3.1	1.8	45.1	0.27	0.66	0.09	69	1.00	0.079
1531142	Soil	1.65	45.96	7.09	96.6	102	65.3	21.3	519	4.68	13.0	0.6	7.8	2.1	34.5	0.15	0.56	0.10	104	0.75	0.078
REP 1531142	QC	1.75	45.19	6.94	95.5	101	64.2	21.3	513	4.76	12.5	0.6	3.6	2.1	35.1	0.15	0.68	0.11	105	0.77	0.081
1531468	Soil	0.91	69.30	8.38	93.2	147	67.9	22.2	788	4.02	10.5	0.8	2.7	3.3	96.5	0.36	0.75	0.15	90	3.78	0.110
REP 1531468	QC	0.94	70.70	8.80	95.0	158	68.9	22.5	814	4.03	10.9	0.8	1.9	3.5	102.4	0.32	0.78	0.14	87	3.82	0.112
Reference Materials																					
STD DS10	Standard	14.42	149.89	149.87	345.1	1885	74.9	12.4	863	2.70	46.5	2.8	86.9	7.9	67.9	2.63	9.49	12.92	42	1.08	0.076
STD DS10	Standard	15.54	169.17	147.30	359.6	1720	77.2	13.4	850	2.82	44.6	2.9	81.9	8.3	69.2	2.72	9.27	12.54	44	1.06	0.079
STD DS10	Standard	14.05	150.16	145.57	364.3	1813	71.7	12.4	865	2.71	45.8	2.6	74.9	7.2	65.0	2.52	9.21	12.11	42	1.05	0.077
STD DS10	Standard	14.41	157.00	150.54	370.1	1870	75.4	13.2	881	2.80	46.3	2.6	104.9	7.6	65.7	2.57	9.25	12.12	43	1.08	0.076
STD DS10	Standard	14.45	153.70	148.59	369.8	1836	73.8	12.8	905	2.79	47.0	2.7	78.9	7.5	66.1	2.60	9.40	12.14	42	1.06	0.077
STD DS10	Standard	14.41	159.98	145.27	358.4	1810	72.4	12.7	850	2.71	44.4	2.7	77.2	7.7	64.8	2.76	9.32	12.32	41	1.01	0.081
STD DS10	Standard	15.34	156.05	149.42	369.4	1895	75.5	13.1	897	2.84	46.1	2.9	81.1	8.4	72.5	2.68	9.86	13.10	43	1.07	0.078
STD DS10	Standard	14.24	153.22	152.05	379.0	1930	73.8	13.0	925	2.80	46.3	2.7	88.5	7.6	68.1	2.73	8.96	12.43	46	1.07	0.077
STD OXC129	Standard	1.23	27.53	6.63	39.3	17	76.4	19.1	402	2.98	0.5	0.7	195.1	1.9	183.4	0.05	0.04	<0.02	51	0.64	0.106
STD OXC129	Standard	1.29	28.80	6.76	37.5	17	81.2	21.4	402	3.06	0.5	0.7	184.7	1.9	186.0	0.02	0.05	<0.02	52	0.73	0.117
STD OXC129	Standard	1.28	25.81	6.17	43.6	13	75.1	20.1	417	2.97	0.7	0.7	199.9	1.8	186.8	0.01	0.03	<0.02	51	0.66	0.102



QUALITY CONTROL REPORT

WHI16000304.1

Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	
Pulp Duplicates																					
1531215	Soil	12.9	64.4	1.09	123.6	0.107	4	1.72	0.023	0.14	<0.1	6.3	0.10	0.05	55	0.3	0.04	5.0	0.88	<0.1	0.11
REP 1531215	QC	12.7	63.4	1.09	124.6	0.101	4	1.71	0.022	0.14	0.1	6.2	0.11	0.05	54	0.4	0.02	5.1	0.84	<0.1	0.09
1531269	Soil	19.8	62.7	0.90	197.4	0.100	4	2.06	0.018	0.09	<0.1	8.5	0.12	0.06	63	0.8	0.04	5.7	0.97	<0.1	0.12
REP 1531269	QC	20.0	64.8	0.90	201.6	0.100	5	2.05	0.018	0.09	<0.1	8.5	0.13	0.06	54	0.8	0.03	5.9	0.98	<0.1	0.11
1531303	Soil	5.9	11.5	0.29	90.4	0.032	10	0.60	0.046	0.05	<0.1	1.4	0.07	0.09	37	0.2	0.03	1.5	0.31	<0.1	0.03
REP 1531303	QC	6.4	12.2	0.32	98.6	0.035	9	0.61	0.046	0.05	<0.1	1.5	0.07	0.09	32	0.5	<0.02	1.6	0.36	<0.1	0.03
1531334	Soil	8.8	48.1	1.02	127.6	0.082	4	2.29	0.017	0.08	<0.1	5.7	0.12	0.04	27	0.5	0.04	7.3	1.19	<0.1	0.06
REP 1531334	QC	8.6	46.6	0.98	122.3	0.082	3	2.20	0.016	0.08	<0.1	5.7	0.11	0.04	15	0.3	0.05	7.0	1.20	<0.1	0.07
1531385	Soil	11.5	57.4	1.11	114.6	0.091	5	1.69	0.020	0.10	0.1	7.1	0.10	0.05	43	0.5	0.03	5.1	0.83	<0.1	0.12
REP 1531385	QC	11.6	59.0	1.13	116.2	0.091	4	1.68	0.020	0.10	0.1	7.1	0.11	0.06	42	0.3	0.02	4.9	0.83	<0.1	0.12
1531101	Soil	12.6	87.5	1.43	214.0	0.115	4	2.16	0.021	0.09	<0.1	7.5	0.10	0.06	47	0.4	0.05	6.2	0.76	<0.1	0.14
REP 1531101	QC	11.7	83.4	1.36	201.9	0.111	4	2.05	0.020	0.09	<0.1	7.4	0.09	0.06	34	0.3	0.04	6.1	0.72	<0.1	0.15
1531142	Soil	11.5	108.0	1.54	123.2	0.134	4	2.36	0.018	0.08	<0.1	9.3	0.09	<0.02	48	0.3	0.03	7.0	0.71	<0.1	0.21
REP 1531142	QC	11.2	107.9	1.53	121.4	0.154	4	2.31	0.018	0.09	<0.1	9.4	0.09	<0.02	55	0.2	0.04	6.7	0.87	<0.1	0.16
1531468	Soil	18.0	72.7	1.70	162.0	0.145	6	2.11	0.034	0.17	<0.1	9.2	0.12	0.03	56	0.2	0.03	6.1	1.18	0.1	0.48
REP 1531468	QC	17.9	76.9	1.71	159.9	0.154	9	2.13	0.034	0.17	<0.1	9.9	0.12	0.03	50	0.2	0.03	6.5	1.20	<0.1	0.49
Reference Materials																					
STD DS10	Standard	18.2	53.8	0.76	347.8	0.079	7	1.04	0.069	0.33	3.2	2.9	5.02	0.29	290	2.0	4.94	4.1	2.67	<0.1	0.06
STD DS10	Standard	19.5	58.9	0.77	349.0	0.094	7	1.09	0.073	0.33	3.2	3.1	4.95	0.27	270	2.0	4.81	4.4	2.67	<0.1	0.06
STD DS10	Standard	17.4	53.0	0.76	358.1	0.074	7	1.02	0.068	0.33	3.5	2.9	5.36	0.28	281	2.5	5.03	4.3	2.75	<0.1	0.05
STD DS10	Standard	17.8	55.9	0.78	363.1	0.078	7	1.04	0.071	0.34	3.4	3.0	5.37	0.29	296	2.0	5.26	4.5	2.78	<0.1	0.08
STD DS10	Standard	16.8	54.4	0.78	359.0	0.076	7	1.02	0.069	0.34	3.6	2.9	5.33	0.29	270	2.5	5.36	4.3	2.79	<0.1	0.04
STD DS10	Standard	18.2	55.3	0.76	329.7	0.083	7	1.04	0.069	0.33	3.3	2.9	4.92	0.25	290	2.1	4.71	4.3	2.64	<0.1	0.05
STD DS10	Standard	19.8	55.3	0.79	372.3	0.087	8	1.11	0.072	0.35	3.5	3.2	5.30	0.27	303	2.5	4.95	4.7	2.82	<0.1	0.05
STD DS10	Standard	17.8	56.0	0.79	359.0	0.077	6	1.05	0.069	0.34	3.4	3.1	5.42	0.29	301	2.2	4.96	4.4	2.66	<0.1	0.06
STD OXC129	Standard	12.3	47.4	1.45	48.9	0.367	1	1.49	0.570	0.35	<0.1	1.1	0.03	<0.02	<5	<0.1	<0.02	5.2	0.16	<0.1	0.27
STD OXC129	Standard	12.6	55.4	1.47	50.2	0.416	<1	1.57	0.581	0.35	<0.1	0.8	0.03	<0.02	<5	<0.1	<0.02	5.2	0.16	<0.1	0.25
STD OXC129	Standard	12.3	50.2	1.46	49.2	0.380	1	1.55	0.585	0.36	<0.1	1.0	0.03	<0.02	<5	<0.1	<0.02	5.7	0.16	<0.1	0.28



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Method	Analyte	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates														
1531215	Soil	1.23	10.3	0.6	<0.05	5.0	9.28	25.8	0.03	<1	0.4	14.8	<10	<2
REP 1531215	QC	1.19	10.1	0.7	<0.05	5.2	9.10	25.2	<0.02	<1	0.5	15.0	<10	<2
1531269	Soil	1.53	10.5	0.8	<0.05	7.2	15.78	37.7	0.04	<1	0.5	15.8	<10	<2
REP 1531269	QC	1.57	10.8	0.8	<0.05	6.9	15.69	37.6	0.03	<1	0.6	15.8	<10	<2
1531303	Soil	0.42	3.0	0.4	<0.05	1.8	4.71	11.3	<0.02	<1	0.2	2.9	<10	<2
REP 1531303	QC	0.44	3.3	0.3	<0.05	1.8	5.10	12.5	<0.02	<1	<0.1	3.4	<10	2
1531334	Soil	1.24	10.6	1.1	<0.05	3.6	4.94	22.0	0.03	<1	0.3	25.0	<10	<2
REP 1531334	QC	1.22	10.4	1.1	<0.05	3.5	4.92	21.1	0.04	<1	0.4	24.5	<10	<2
1531385	Soil	1.25	10.3	0.6	<0.05	6.4	9.82	24.6	0.03	<1	0.3	13.0	<10	<2
REP 1531385	QC	1.32	10.6	0.6	<0.05	6.6	9.75	24.9	0.03	<1	0.3	13.0	<10	<2
1531101	Soil	1.32	8.3	1.0	<0.05	7.3	10.87	27.2	0.03	<1	0.4	16.7	<10	2
REP 1531101	QC	1.26	7.9	0.7	<0.05	7.0	10.22	26.0	0.02	<1	0.3	14.8	<10	<2
1531142	Soil	1.06	7.6	0.9	<0.05	8.6	9.00	24.1	0.03	1	0.4	17.2	<10	2
REP 1531142	QC	1.26	8.5	1.0	<0.05	8.9	9.08	23.9	0.03	<1	0.4	17.2	<10	<2
1531468	Soil	0.78	10.8	1.9	<0.05	21.9	14.76	35.9	0.03	1	0.8	16.7	<10	3
REP 1531468	QC	0.86	11.3	1.7	<0.05	23.3	14.84	36.6	0.05	<1	0.8	18.1	<10	2
Reference Materials														
STD DS10	Standard	1.50	28.1	1.6	<0.05	2.4	8.13	35.1	0.23	52	0.6	19.7	105	187
STD DS10	Standard	1.76	27.9	1.7	<0.05	2.8	8.43	38.0	0.22	47	0.6	20.4	91	185
STD DS10	Standard	1.66	28.8	1.5	<0.05	2.4	8.31	37.3	0.24	45	0.8	19.4	108	184
STD DS10	Standard	1.63	29.5	1.5	<0.05	2.4	8.29	38.0	0.24	41	0.6	20.1	116	182
STD DS10	Standard	1.57	29.6	1.6	<0.05	2.3	8.25	36.3	0.24	43	0.7	19.9	111	193
STD DS10	Standard	1.46	27.7	1.8	<0.05	2.4	7.62	35.4	0.24	51	0.6	19.5	91	183
STD DS10	Standard	1.80	29.3	1.8	<0.05	2.9	8.53	38.3	0.24	51	0.8	20.1	112	180
STD DS10	Standard	1.66	29.7	1.7	<0.05	2.6	8.29	37.9	0.24	45	0.6	19.5	124	188
STD OXC129	Standard	1.61	15.5	0.8	<0.05	22.1	4.65	22.5	<0.02	<1	1.0	2.3	<10	<2
STD OXC129	Standard	1.21	14.9	0.8	<0.05	20.1	4.52	22.4	<0.02	<1	0.7	2.2	<10	<2
STD OXC129	Standard	1.66	15.8	0.7	<0.05	20.1	4.90	23.5	<0.02	<1	1.0	2.0	<10	<2



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Project: Kluane West

Report Date: October 21, 2016

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		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
STD OXC129	Standard	1.28	26.86	6.21	41.0	12	77.8	20.3	415	2.96	0.4	0.7	189.6	1.8	179.1	0.02	0.03	0.05	50	0.62	0.105
STD OXC129	Standard	1.25	26.25	6.22	41.5	11	76.4	20.3	416	2.97	0.6	0.7	196.8	1.8	177.8	0.02	0.03	<0.02	51	0.62	0.105
STD OXC129	Standard	1.20	28.82	7.19	41.3	17	73.8	19.4	401	2.96	0.6	0.7	198.1	1.9	179.9	0.04	0.03	<0.02	48	0.62	0.112
STD OXC129	Standard	1.29	27.74	7.81	39.1	22	77.4	20.1	410	3.03	0.6	0.7	207.5	2.1	182.0	0.04	0.04	<0.02	51	0.69	0.104
STD OXC129	Standard	1.26	26.68	6.48	42.0	13	78.2	20.8	433	3.11	0.3	0.7	201.0	1.8	193.9	0.03	0.04	0.03	55	0.64	0.105
STD DS10 Expected		15.1	154.61	150.55	370	2020	74.6	12.9	875	2.7188	46.2	2.59	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765
STD OXC129 Expected		1.3	28	6.3	42.9	28	79.5	20.3	421	3.065	0.6	0.72	195	1.9		0.03	0.04		51	0.665	0.102
BLK	Blank	<0.01	0.02	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.03	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.3	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.05	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.03	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.04	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



QUALITY CONTROL REPORT

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		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
STD OXC129	Standard	12.5	51.0	1.47	48.3	0.384	1	1.51	0.585	0.36	<0.1	1.0	0.03	<0.02	<5	<0.1	<0.02	5.4	0.16	<0.1	0.25
STD OXC129	Standard	12.2	50.4	1.46	50.6	0.388	1	1.52	0.581	0.36	<0.1	0.9	0.03	<0.02	<5	<0.1	<0.02	5.5	0.16	<0.1	0.27
STD OXC129	Standard	12.4	49.5	1.49	46.1	0.378	1	1.51	0.575	0.35	<0.1	0.9	0.03	<0.02	<5	<0.1	<0.02	5.3	0.16	<0.1	0.23
STD OXC129	Standard	13.1	50.9	1.53	52.4	0.387	2	1.58	0.592	0.36	<0.1	1.0	0.03	<0.02	<5	<0.1	<0.02	5.2	0.16	<0.1	0.24
STD OXC129	Standard	12.7	52.2	1.56	53.2	0.390	<1	1.52	0.569	0.37	<0.1	1.1	0.03	<0.02	<5	<0.1	<0.02	5.4	0.17	<0.1	0.29
STD DS10 Expected		17.5	54.6	0.775	359	0.0817		1.0755	0.067	0.338	3.32	3	5.1	0.29	300	2.3	5.01	4.5	2.63	0.08	0.06
STD OXC129 Expected		13	52	1.545	50	0.4	1	1.58	0.6	0.37	0.08	1.1	0.03					5.6	0.16		0.24
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02



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Project: Kluane West
Report Date: October 21, 2016

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QUALITY CONTROL REPORT

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		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
STD OXC129	Standard	1.70	15.9	0.7	<0.05	20.4	4.84	24.0	<0.02	<1	0.9	2.2	<10	<2
STD OXC129	Standard	1.26	15.8	0.7	<0.05	19.7	4.75	23.9	<0.02	<1	0.9	2.2	<10	<2
STD OXC129	Standard	1.25	15.0	0.8	<0.05	19.1	4.68	22.4	<0.02	<1	0.9	2.1	<10	<2
STD OXC129	Standard	1.17	15.6	0.7	<0.05	21.4	4.65	22.9	<0.02	<1	1.0	2.6	<10	<2
STD OXC129	Standard	1.41	16.0	0.7	<0.05	22.1	4.77	24.4	<0.02	<1	0.8	2.2	<10	<2
STD DS10 Expected		1.62	27.7	1.6		2.7	7.77	37	0.23	50	0.63	19.4	110	191
STD OXC129 Expected		1.4		0.7		21	4.7	23.7			0.8	2.22		
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2