



BUREAU VERITAS 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: Longford Exploration Services Ltd.
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1 Canada

Submitted By: James Rogers
Receiving Lab: Canada-Whitehorse
Received: August 24, 2018
Report Date: January 24, 2019
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CERTIFICATE OF ANALYSIS

WHI18000741.1

CLIENT JOB INFORMATION

Project: 2018-Ellen
Shipment ID:
P.O. Number
Number of Samples: 306

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
PICKUP-RJT Client to Pickup Rejects

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: Longford Exploration Services Ltd.
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1
Canada

CC: Vedran Pobric

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	306	Dry at 60C			WHI
SS80	306	Dry at 60C sieve 100g to -80 mesh			WHI
SVRJT	306	Save all or part of Soil Reject			WHI
FA330	297	Fire assay fusion Au Pt Pd by ICP-ES	30	Completed	VAN
EN002	306	Environmental disposal charge-Fire assay lead waste			VAN
AQ300	306	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
SHP01	306	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. 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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	Method	Analyte	Unit	MDL	FA330	FA330	FA330	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300		
					Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca
					ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
					2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01
1318821	Soil				10	<3	12	2	84	5	105	<0.3	37	16	615	3.96	28	<2	34	0.5	<3	<3	69	0.77
1318822	Soil				7	<3	8	2	113	5	87	<0.3	45	15	552	3.96	18	<2	29	<0.5	<3	<3	73	0.73
1318823	Soil				6	3	9	2	77	4	106	<0.3	43	19	1131	3.57	17	<2	34	0.8	<3	<3	66	0.96
1318824	Soil				6	<3	10	1	67	4	87	<0.3	40	14	523	3.62	12	<2	28	<0.5	<3	<3	64	0.64
1318825	Soil				7	<3	7	1	120	6	118	<0.3	52	17	558	3.56	16	<2	37	1.1	<3	<3	62	1.06
1318826	Soil				6	<3	6	1	94	5	91	<0.3	52	19	562	3.53	14	<2	32	<0.5	<3	<3	63	0.85
1318827	Soil				8	<3	8	1	134	5	95	<0.3	68	17	1044	3.62	13	<2	37	0.7	<3	<3	58	1.06
1318828	Soil				4	<3	9	<1	106	5	111	<0.3	47	17	541	3.22	9	<2	43	0.7	<3	<3	52	1.44
1318829	Soil				9	<3	5	2	79	5	85	<0.3	51	18	858	3.31	14	<2	35	<0.5	<3	<3	53	0.98
1318830	Soil				5	4	4	2	100	5	96	<0.3	60	21	1097	3.52	15	<2	44	0.5	<3	<3	57	1.26
1318831	Soil				12	<3	12	<1	89	7	100	<0.3	39	16	623	2.92	10	<2	53	0.5	<3	<3	49	1.68
1318832	Soil				5	<3	7	2	114	5	100	<0.3	37	17	633	3.49	13	<2	35	<0.5	<3	<3	59	0.89
1318833	Soil				6	7	5	2	238	5	108	<0.3	30	16	686	3.03	14	<2	43	0.9	<3	<3	51	1.14
1318834	Soil				6	4	11	3	263	6	86	0.3	33	20	763	3.49	19	<2	35	<0.5	<3	<3	59	0.75
1318835	Soil				I.S.	I.S.	I.S.	2	425	3	82	<0.3	28	12	517	2.63	10	<2	53	1.1	<3	<3	43	1.57
1318836	Soil				5	5	5	1	159	9	152	<0.3	54	18	874	3.15	13	<2	60	1.2	<3	<3	51	1.53
1318837	Soil				5	<3	7	1	130	5	116	<0.3	84	22	857	3.50	12	<2	37	0.8	<3	<3	60	1.02
1318838	Soil				4	<3	3	2	40	9	82	<0.3	32	17	622	3.63	16	<2	36	<0.5	<3	<3	59	0.66
1318839	Soil				4	<3	2	1	34	8	80	<0.3	30	14	526	3.27	16	<2	47	<0.5	<3	<3	53	1.05
1318840	Soil				7	7	10	1	35	8	81	<0.3	31	14	531	3.42	17	<2	46	<0.5	<3	<3	55	1.01
1318841	Soil				5	<3	3	1	35	6	89	<0.3	29	13	433	3.22	10	<2	29	<0.5	<3	<3	59	0.53
1318842	Soil				4	<3	3	2	28	10	94	<0.3	28	16	710	3.99	17	<2	29	<0.5	<3	<3	67	0.51
1318843	Soil				7	<3	9	<1	60	7	60	<0.3	132	16	508	3.21	12	<2	49	<0.5	<3	<3	52	1.33
1318844	Soil				6	<3	8	1	45	5	54	<0.3	102	13	393	2.71	8	<2	51	<0.5	<3	<3	47	1.55
1318845	Soil				12	<3	13	<1	105	5	66	<0.3	176	23	628	3.48	13	<2	68	<0.5	<3	<3	61	3.46
1318846	Soil				5	<3	<2	2	20	9	69	<0.3	23	15	628	3.70	15	<2	25	<0.5	<3	<3	69	0.42
1318847	Soil				4	<3	2	2	39	9	86	<0.3	33	17	651	3.51	16	<2	34	<0.5	<3	<3	54	0.82
1318848	Soil				4	<3	<2	2	34	9	94	<0.3	32	16	625	3.92	18	2	26	<0.5	<3	<3	61	0.46
1318849	Soil				4	<3	6	2	38	7	90	<0.3	81	20	594	3.59	13	<2	26	<0.5	<3	<3	63	0.48
1318850	Soil				5	<3	4	2	43	7	96	<0.3	85	21	623	3.88	14	<2	27	<0.5	<3	<3	66	0.50



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Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1318821	Soil	0.065	7	64	1.30	131	0.073	<20	1.92	<0.01	0.10	<2	0.06	<1	<5	<5
1318822	Soil	0.041	9	70	1.34	138	0.106	<20	1.95	<0.01	0.08	<2	<0.05	<1	<5	<5
1318823	Soil	0.075	7	58	1.19	141	0.082	<20	1.74	<0.01	0.09	<2	0.06	<1	<5	<5
1318824	Soil	0.036	6	62	1.16	150	0.117	<20	1.89	<0.01	0.07	<2	<0.05	<1	<5	<5
1318825	Soil	0.057	8	61	1.09	157	0.078	<20	1.66	<0.01	0.09	<2	0.08	<1	<5	<5
1318826	Soil	0.048	6	70	1.23	133	0.082	<20	1.82	<0.01	0.08	<2	<0.05	<1	<5	<5
1318827	Soil	0.064	8	68	1.19	160	0.068	<20	1.76	<0.01	0.09	<2	0.05	<1	<5	<5
1318828	Soil	0.051	6	57	1.18	113	0.072	<20	1.60	<0.01	0.09	<2	0.05	<1	<5	<5
1318829	Soil	0.048	6	61	1.06	128	0.052	<20	1.59	<0.01	0.08	<2	0.06	<1	<5	<5
1318830	Soil	0.058	7	62	1.09	163	0.060	<20	1.67	0.01	0.08	<2	0.07	<1	<5	<5
1318831	Soil	0.071	6	49	0.97	131	0.053	<20	1.47	<0.01	0.08	<2	0.10	<1	<5	<5
1318832	Soil	0.069	6	62	1.05	137	0.058	<20	1.71	0.01	0.05	<2	<0.05	<1	<5	<5
1318833	Soil	0.073	7	45	0.87	148	0.046	<20	1.32	<0.01	0.06	<2	0.06	<1	<5	<5
1318834	Soil	0.076	7	53	0.90	177	0.040	<20	1.54	<0.01	0.06	<2	0.06	<1	<5	<5
1318835	Soil	0.087	6	33	0.65	140	0.041	<20	1.01	0.01	0.05	<2	0.11	<1	<5	<5
1318836	Soil	0.079	7	62	1.01	198	0.060	<20	1.54	<0.01	0.07	<2	0.08	<1	<5	<5
1318837	Soil	0.070	7	85	1.26	136	0.070	<20	1.54	<0.01	0.08	<2	<0.05	<1	<5	<5
1318838	Soil	0.070	8	46	0.87	207	0.041	<20	1.87	<0.01	0.06	<2	<0.05	<1	<5	<5
1318839	Soil	0.095	6	42	0.86	124	0.053	<20	1.61	0.01	0.11	<2	0.08	<1	<5	<5
1318840	Soil	0.096	6	44	0.89	123	0.055	<20	1.69	0.01	0.11	<2	0.08	<1	<5	<5
1318841	Soil	0.113	8	51	0.98	153	0.044	<20	2.18	<0.01	0.05	<2	<0.05	<1	<5	<5
1318842	Soil	0.076	7	52	0.93	138	0.087	<20	1.93	<0.01	0.06	<2	<0.05	<1	<5	<5
1318843	Soil	0.060	10	63	1.07	147	0.061	<20	1.58	0.02	0.08	<2	0.05	<1	<5	<5
1318844	Soil	0.066	6	74	1.08	122	0.063	<20	1.37	0.01	0.07	<2	0.07	<1	<5	<5
1318845	Soil	0.073	6	133	1.91	154	0.100	<20	1.78	0.01	0.10	<2	<0.05	<1	<5	<5
1318846	Soil	0.057	7	48	0.87	155	0.083	<20	1.83	<0.01	0.08	<2	<0.05	<1	<5	<5
1318847	Soil	0.067	6	43	0.93	172	0.058	<20	1.69	<0.01	0.06	<2	<0.05	<1	<5	<5
1318848	Soil	0.047	6	47	0.97	110	0.090	<20	1.85	<0.01	0.06	<2	<0.05	<1	<5	<5
1318849	Soil	0.056	6	85	1.28	82	0.103	<20	1.72	<0.01	0.10	<2	<0.05	<1	<5	<5
1318850	Soil	0.057	6	94	1.38	88	0.110	<20	1.83	<0.01	0.10	<2	<0.05	<1	<5	<5



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CERTIFICATE OF ANALYSIS

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	Method	Analyte	Unit	MDL	FA330	FA330	FA330	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300				
					Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	
					ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
					2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	
1318851	Soil					6	4	5	3	69	7	87	<0.3	36	16	718	3.46	17	<2	52	0.7	<3	<3	48	1.09
1318852	Soil					5	3	3	3	48	8	97	<0.3	34	14	565	3.60	17	<2	40	<0.5	<3	<3	52	0.80
1318853	Soil					5	<3	17	<1	216	6	96	<0.3	91	24	685	3.86	8	<2	33	<0.5	<3	<3	66	0.96
1318854	Soil					11	<3	14	<1	203	3	181	<0.3	82	24	882	4.23	7	<2	27	<0.5	<3	<3	72	0.85
1318855	Soil					6	<3	18	<1	255	3	118	<0.3	70	25	930	4.31	7	<2	22	<0.5	<3	<3	76	0.67
1318856	Soil					7	5	36	<1	510	<3	120	<0.3	77	33	1049	5.87	7	<2	27	<0.5	<3	<3	97	0.92
1318857	Soil					6	<3	14	1	324	5	135	<0.3	63	26	876	4.06	9	<2	45	0.6	<3	<3	79	1.44
1318858	Soil					8	<3	9	2	193	5	103	<0.3	65	17	593	3.23	11	<2	43	1.3	<3	<3	61	1.31
1318859	Soil					9	<3	27	1	348	4	130	<0.3	71	31	1055	4.89	8	<2	36	0.6	<3	<3	92	1.11
1318860	Soil					I.S.	I.S.	I.S.	1	371	<3	121	<0.3	67	28	972	4.55	8	<2	37	0.5	<3	<3	87	1.17
1318861	Soil					10	<3	28	1	638	4	115	<0.3	71	30	1008	4.85	8	<2	48	0.7	<3	<3	90	1.55
1318862	Soil					5	<3	11	2	364	4	96	<0.3	67	25	1157	4.27	7	<2	73	1.0	<3	<3	74	2.07
1318863	Soil					28	<3	18	<1	387	3	86	0.6	84	27	794	4.37	6	<2	42	<0.5	<3	<3	87	1.23
1318864	Soil					6	<3	25	<1	315	4	95	<0.3	78	27	971	4.29	5	<2	45	<0.5	<3	<3	71	1.45
1318865	Soil					9	<3	14	<1	152	5	79	<0.3	61	19	607	3.36	8	<2	50	<0.5	<3	<3	66	1.41
1318866	Soil					5	<3	10	2	107	6	71	<0.3	40	15	832	2.62	11	<2	58	<0.5	<3	<3	51	1.61
1318867	Soil					10	<3	19	4	218	5	72	<0.3	72	25	3275	2.58	10	<2	77	1.4	<3	3	43	2.50
1318868	Soil					8	<3	14	4	141	7	129	<0.3	61	24	1175	4.13	20	<2	40	0.5	<3	<3	67	0.85
1318869	Soil					7	<3	10	5	95	7	202	<0.3	47	20	758	4.17	20	<2	40	2.5	<3	<3	58	0.76
1318870	Soil					7	<3	9	5	90	7	196	<0.3	46	20	756	4.16	19	<2	40	2.5	<3	<3	58	0.75
1318872	Soil					7	<3	13	1	196	5	77	<0.3	64	23	749	3.45	11	<2	50	<0.5	<3	<3	63	1.66
1318873	Soil					8	<3	11	1	312	5	77	<0.3	57	19	659	3.13	9	<2	48	<0.5	<3	<3	60	1.51
1318874	Soil					7	3	17	1	487	5	99	0.5	61	24	818	4.15	9	<2	40	<0.5	<3	<3	82	1.08
1318875	Soil					10	<3	23	1	728	3	106	0.6	62	24	764	4.14	9	<2	44	<0.5	<3	<3	78	1.16
1318876	Soil					13	<3	13	1	232	<3	87	0.5	45	20	916	3.45	5	<2	42	0.7	<3	<3	73	1.18
1318877	Soil					9	<3	8	1	188	5	108	0.6	51	23	778	4.24	10	<2	37	<0.5	<3	<3	90	0.84
1318878	Soil					6	<3	6	<1	74	4	93	0.6	55	18	622	3.71	8	<2	39	<0.5	<3	<3	73	0.78
1318879	Soil					I.S.	I.S.	I.S.	1	170	4	97	<0.3	56	17	992	3.15	8	<2	46	1.1	<3	<3	62	1.42
1318880	Soil					I.S.	I.S.	I.S.	1	231	4	82	<0.3	54	16	949	2.74	8	<2	53	1.1	<3	<3	51	1.78
1318881	Soil					6	6	8	1	105	4	118	0.8	50	19	668	3.59	9	<2	39	0.6	<3	<3	74	0.92



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		Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	
		Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
		Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1318851	Soil		0.093	9	42	0.82	138	0.045	<20	1.55	<0.01	0.07	<2	0.07	<1	<5	<5	<5
1318852	Soil		0.060	8	46	0.89	98	0.067	<20	1.57	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
1318853	Soil		0.076	7	100	1.54	145	0.068	<20	1.93	<0.01	0.08	<2	<0.05	<1	<5	<5	<5
1318854	Soil		0.080	5	103	1.68	111	0.080	<20	2.03	<0.01	0.10	<2	<0.05	<1	<5	<5	<5
1318855	Soil		0.072	5	98	1.61	91	0.099	<20	1.98	<0.01	0.08	<2	<0.05	<1	<5	5	<5
1318856	Soil		0.072	4	139	2.29	105	0.087	<20	2.75	<0.01	0.12	<2	<0.05	<1	<5	7	6
1318857	Soil		0.078	6	102	1.51	133	0.119	<20	2.14	0.01	0.10	<2	0.06	<1	<5	<5	<5
1318858	Soil		0.078	6	63	0.98	113	0.122	<20	1.47	0.01	0.08	<2	0.06	<1	<5	<5	<5
1318859	Soil		0.092	5	132	2.02	123	0.094	<20	2.65	0.01	0.14	<2	0.06	<1	<5	8	<5
1318860	Soil		0.089	5	121	1.81	122	0.110	<20	2.44	0.01	0.13	<2	0.05	<1	<5	6	<5
1318861	Soil		0.071	7	118	1.68	124	0.109	<20	2.45	0.02	0.09	<2	0.06	<1	<5	6	5
1318862	Soil		0.077	5	107	1.63	108	0.082	<20	2.13	0.01	0.10	<2	0.11	<1	<5	6	<5
1318863	Soil		0.037	7	120	1.78	82	0.224	<20	2.25	0.01	0.09	<2	<0.05	<1	<5	<5	6
1318864	Soil		0.051	5	123	1.84	86	0.119	<20	2.22	0.01	0.09	<2	0.08	<1	<5	<5	<5
1318865	Soil		0.055	6	83	1.33	104	0.112	<20	1.78	0.01	0.07	<2	0.06	<1	<5	<5	<5
1318866	Soil		0.078	6	40	0.72	155	0.048	<20	1.21	0.02	0.04	<2	0.08	<1	<5	<5	<5
1318867	Soil		0.121	7	36	0.67	268	0.028	<20	1.16	0.02	0.03	<2	0.14	<1	<5	<5	<5
1318868	Soil		0.073	7	81	1.31	127	0.088	<20	1.88	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
1318869	Soil		0.076	7	70	1.23	85	0.097	<20	1.80	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
1318870	Soil		0.073	7	71	1.23	82	0.101	<20	1.80	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
1318872	Soil		0.082	7	70	1.20	111	0.125	<20	1.61	0.02	0.10	<2	0.11	<1	<5	<5	<5
1318873	Soil		0.086	6	70	1.15	120	0.107	<20	1.56	0.02	0.09	<2	0.09	<1	<5	<5	<5
1318874	Soil		0.081	7	100	1.56	119	0.156	<20	2.07	0.01	0.10	<2	<0.05	<1	<5	<5	6
1318875	Soil		0.075	6	100	1.54	121	0.155	<20	2.11	<0.01	0.12	<2	<0.05	<1	<5	<5	6
1318876	Soil		0.069	5	77	1.32	94	0.222	<20	1.75	0.01	0.08	<2	<0.05	<1	<5	<5	<5
1318877	Soil		0.058	5	98	1.56	108	0.208	<20	2.22	0.01	0.09	<2	<0.05	<1	<5	<5	5
1318878	Soil		0.086	6	89	1.50	63	0.180	<20	1.90	0.01	0.10	<2	<0.05	<1	<5	<5	<5
1318879	Soil		0.071	6	68	1.19	102	0.132	<20	1.64	0.01	0.09	<2	0.06	<1	<5	<5	<5
1318880	Soil		0.074	6	54	0.94	114	0.082	<20	1.35	0.01	0.09	<2	0.09	<1	<5	<5	<5
1318881	Soil		0.079	6	75	1.31	90	0.169	<20	1.87	0.01	0.08	<2	<0.05	<1	<5	<5	<5



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		Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca
		ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01
1318882	Soil	6	<3	5	<1	91	4	101	0.4	45	17	683	3.44	8	<2	34	<0.5	<3	<3	66	0.93
1318883	Soil	6	<3	9	<1	109	3	104	<0.3	48	17	737	3.56	9	<2	35	0.7	<3	<3	60	1.05
1318884	Soil	9	<3	13	1	147	5	114	<0.3	61	23	968	3.99	9	<2	43	<0.5	<3	<3	69	1.26
1318901	Soil	11	<3	19	2	157	6	107	<0.3	48	22	916	4.35	16	<2	39	0.9	<3	<3	79	0.84
1318902	Soil	7	4	10	4	111	8	147	0.4	53	25	1039	4.28	24	<2	46	1.1	<3	<3	76	0.88
1318903	Soil	9	<3	14	5	115	9	160	0.5	55	23	992	4.80	96	<2	42	0.9	<3	<3	73	0.66
1318904	Soil	7	<3	19	4	164	7	153	0.4	50	25	1024	4.55	16	<2	64	1.6	<3	<3	96	1.47
1318905	Soil	11	<3	14	12	134	12	333	1.0	66	21	1039	4.82	39	<2	47	3.1	5	<3	60	0.49
1318906	Soil	13	5	12	10	129	10	261	0.8	62	21	953	4.29	31	<2	47	3.7	4	<3	53	0.66
1318907	Soil	8	6	11	6	112	7	159	0.6	56	24	896	3.22	19	<2	41	2.0	<3	<3	46	1.05
1318908	Soil	7	7	16	4	151	6	260	0.3	78	44	1407	4.62	19	<2	32	1.3	<3	<3	73	0.56
1318909	Soil	7	11	37	2	270	3	121	<0.3	113	40	1003	4.76	12	<2	28	1.0	<3	<3	66	0.72
1318910	Soil	10	9	33	2	260	4	118	<0.3	112	39	937	4.47	12	<2	28	0.9	<3	<3	67	0.72
1318911	Soil	8	12	39	2	231	<3	147	<0.3	106	42	1107	5.24	11	<2	20	1.3	<3	<3	82	0.60
1318912	Soil	9	15	37	4	238	4	177	0.3	87	36	1071	4.74	20	<2	29	1.7	<3	<3	74	0.68
1318913	Soil	8	8	21	4	173	5	160	<0.3	82	34	1274	4.34	19	<2	33	1.9	<3	<3	69	0.73
1318914	Soil	15	5	10	3	109	5	123	<0.3	124	36	1219	4.11	15	<2	45	1.5	<3	<3	64	1.11
1318915	Soil	25	7	18	4	175	5	169	0.3	95	37	1150	4.42	19	2	30	2.2	<3	<3	66	0.74
1318916	Soil	6	8	38	2	198	<3	123	<0.3	203	64	1836	8.84	11	<2	27	0.9	<3	<3	158	2.70
1318917	Soil	6	11	54	3	234	4	213	0.3	112	43	1263	4.86	15	<2	26	2.7	<3	<3	72	0.69
1318918	Soil	15	25	72	3	362	3	168	<0.3	121	58	1061	4.70	14	<2	26	1.7	<3	<3	73	0.50
1318919	Soil	9	9	38	2	264	<3	443	<0.3	157	77	2482	7.23	12	<2	25	5.2	<3	<3	132	0.96
1318920	Soil	11	3	34	3	281	5	474	<0.3	170	84	2640	7.79	13	<2	27	5.8	<3	<3	141	1.09
1318921	Soil	9	<3	7	7	86	9	201	0.6	54	19	1009	3.44	24	<2	41	2.9	<3	<3	48	0.78
1318922	Soil	18	<3	10	12	154	15	443	1.0	96	25	1130	5.17	43	2	67	4.0	7	3	63	0.59
1318923	Soil	8	<3	6	5	113	10	174	0.6	46	21	1012	3.96	24	<2	44	1.5	<3	<3	59	0.96
1318924	Soil	6	<3	7	4	119	8	148	0.3	50	26	1125	3.60	19	<2	73	1.9	<3	<3	62	1.84
1318925	Soil	12	<3	11	8	96	7	197	1.0	30	12	444	7.23	23	<2	248	2.2	<3	<3	77	2.36
1318926	Soil	10	<3	13	3	183	8	125	<0.3	48	26	990	3.12	25	<2	61	1.8	<3	<3	55	2.03
1318927	Soil	8	3	18	3	109	9	151	<0.3	64	28	877	4.33	24	2	34	1.6	<3	<3	68	0.80



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		Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	
		Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
		Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1318882	Soil		0.073	6	63	1.31	67	0.175	<20	1.80	<0.01	0.09	<2	<0.05	<1	<5	<5	<5
1318883	Soil		0.076	6	60	1.29	76	0.131	<20	1.74	<0.01	0.09	<2	<0.05	<1	<5	<5	<5
1318884	Soil		0.079	6	81	1.53	127	0.103	<20	2.04	0.01	0.08	<2	<0.05	<1	<5	<5	<5
1318901	Soil		0.070	8	68	1.46	194	0.111	<20	2.23	<0.01	0.13	<2	0.06	<1	<5	<5	5
1318902	Soil		0.087	11	71	1.34	273	0.056	<20	2.08	<0.01	0.08	<2	0.09	<1	<5	6	5
1318903	Soil		0.075	14	65	1.31	311	0.053	<20	2.14	<0.01	0.10	<2	0.06	<1	<5	5	6
1318904	Soil		0.080	10	54	1.77	132	0.056	<20	2.16	<0.01	0.08	<2	0.10	<1	<5	7	7
1318905	Soil		0.104	20	70	1.07	265	0.019	<20	1.66	0.02	0.08	<2	0.17	<1	<5	6	6
1318906	Soil		0.112	17	61	0.98	334	0.034	<20	1.48	0.02	0.08	<2	0.14	<1	<5	<5	<5
1318907	Soil		0.117	9	62	0.97	183	0.024	<20	1.34	<0.01	0.09	<2	0.13	<1	<5	<5	<5
1318908	Soil		0.082	8	88	1.23	149	0.040	<20	1.95	<0.01	0.06	<2	0.08	<1	<5	<5	8
1318909	Soil		0.065	5	194	1.73	86	0.046	<20	2.17	<0.01	0.08	<2	0.08	<1	<5	<5	6
1318910	Soil		0.065	5	195	1.63	86	0.047	<20	2.07	<0.01	0.08	<2	0.08	<1	<5	<5	7
1318911	Soil		0.048	4	185	2.07	70	0.075	<20	2.63	<0.01	0.07	<2	<0.05	<1	<5	<5	10
1318912	Soil		0.067	7	128	1.65	106	0.053	<20	2.26	<0.01	0.08	<2	0.06	<1	<5	<5	8
1318913	Soil		0.075	7	135	1.60	145	0.044	<20	2.15	<0.01	0.07	<2	0.08	<1	<5	<5	7
1318914	Soil		0.061	5	178	1.80	114	0.042	<20	1.92	<0.01	0.07	<2	0.09	<1	<5	<5	7
1318915	Soil		0.077	7	158	1.64	133	0.057	<20	2.04	<0.01	0.07	<2	0.07	<1	<5	<5	7
1318916	Soil		0.028	2	364	1.77	219	0.003	<20	2.73	<0.01	0.09	<2	<0.05	<1	<5	5	36
1318917	Soil		0.065	6	201	1.97	99	0.065	<20	2.36	<0.01	0.06	<2	0.06	<1	<5	<5	8
1318918	Soil		0.057	6	133	1.61	91	0.084	<20	2.17	<0.01	0.07	<2	<0.05	<1	<5	<5	7
1318919	Soil		0.055	7	130	1.93	154	0.046	23	2.53	<0.01	0.06	<2	<0.05	<1	<5	<5	21
1318920	Soil		0.056	7	136	2.07	162	0.050	28	2.70	<0.01	0.06	<2	<0.05	<1	<5	<5	23
1318921	Soil		0.084	13	48	0.93	257	0.028	<20	1.35	<0.01	0.07	<2	0.11	<1	<5	<5	<5
1318922	Soil		0.078	24	58	1.18	183	0.042	<20	1.74	<0.01	0.07	<2	0.17	<1	<5	<5	<5
1318923	Soil		0.109	13	47	1.01	269	0.025	<20	1.71	<0.01	0.08	<2	0.11	<1	<5	<5	5
1318924	Soil		0.119	13	39	1.13	179	0.026	<20	1.57	<0.01	0.10	<2	0.14	<1	<5	5	<5
1318925	Soil		0.985	26	42	0.81	320	0.153	<20	1.80	0.01	0.40	<2	0.80	<1	<5	<5	8
1318926	Soil		0.131	9	49	1.03	231	0.030	<20	1.33	0.01	0.10	<2	0.15	<1	<5	<5	<5
1318927	Soil		0.069	8	80	1.29	105	0.117	<20	1.87	<0.01	0.10	<2	<0.05	<1	<5	<5	6



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	Method Analyte Unit MDL	FA330	FA330	FA330	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca
		ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01
1318928	Soil	6	<3	7	4	108	8	146	<0.3	51	24	885	4.24	20	<2	37	1.0	<3	<3	62	0.74
1318929	Soil	9	<3	11	5	109	7	149	<0.3	51	25	875	3.79	19	<2	51	2.1	<3	<3	55	1.28
1318930	Soil	11	<3	11	4	115	7	145	<0.3	51	25	878	3.82	20	<2	51	1.5	<3	<3	55	1.24
1318931	Soil	10	<3	17	4	154	15	211	0.9	61	31	1208	4.88	33	<2	48	2.2	<3	<3	64	0.82
1318932	Soil	8	<3	10	4	161	10	224	0.7	49	20	716	3.86	24	<2	50	2.6	<3	<3	58	1.17
1318933	Soil	12	<3	6	10	90	8	376	0.6	52	18	833	3.94	52	<2	61	2.5	4	<3	48	0.49
1318934	Soil	8	<3	9	8	83	10	264	0.6	50	17	676	3.88	30	<2	53	2.3	4	<3	54	0.86
1318935	Soil	9	<3	8	3	81	8	340	0.4	48	13	655	3.72	12	<2	42	1.9	<3	<3	57	0.80
1318936	Soil	9	<3	12	6	83	8	260	0.6	46	14	723	3.76	25	<2	29	1.6	<3	<3	55	0.54
1318937	Soil	8	<3	12	5	120	6	208	0.5	50	14	718	3.72	22	<2	44	1.2	<3	<3	55	0.82
1318938	Soil	9	<3	14	3	76	7	159	0.4	39	15	605	3.70	10	<2	31	0.6	<3	<3	76	0.61
1318939	Soil	7	<3	10	4	79	7	140	0.5	43	17	654	3.87	14	<2	37	0.9	<3	<3	72	0.72
1318940	Soil	6	<3	11	4	76	7	142	0.5	42	17	613	4.07	15	3	35	1.0	<3	<3	72	0.68
1318941	Soil	9	5	9	1	78	6	100	<0.3	28	10	456	2.31	3	<2	40	1.5	<3	<3	53	1.01
1318942	Soil	8	6	11	2	73	7	132	0.3	34	14	504	3.12	19	2	27	0.8	<3	<3	76	0.51
1318943	Soil	7	5	6	2	75	6	108	<0.3	43	15	674	3.46	13	<2	46	<0.5	<3	<3	63	0.95
1318944	Soil	6	<3	7	2	75	7	114	0.4	42	17	526	3.38	18	<2	33	0.7	<3	<3	72	0.73
1318945	Soil	8	4	10	3	79	7	118	<0.3	50	25	514	4.58	28	<2	33	0.8	<3	<3	73	0.62
1318946	Soil	6	8	7	1	102	7	97	<0.3	49	20	605	3.91	16	<2	42	0.6	<3	<3	70	1.06
1318947	Soil	8	4	6	1	94	6	76	<0.3	46	19	705	3.48	13	<2	40	<0.5	<3	<3	64	0.91
1318948	Soil	10	3	9	1	102	6	75	<0.3	49	18	614	3.52	14	<2	36	<0.5	<3	<3	66	0.88
1318949	Soil	7	5	10	1	149	6	87	<0.3	57	20	681	3.81	15	<2	38	<0.5	<3	<3	69	1.04
1318950	Soil	10	4	11	1	143	7	93	<0.3	55	20	664	3.74	15	<2	39	0.6	<3	<3	67	1.09
1318951	Soil	14	7	9	9	159	12	189	0.4	66	30	1054	4.43	197	<2	44	2.0	6	<3	58	0.96
1318952	Soil	10	11	17	5	219	3	122	<0.3	82	43	975	6.51	133	<2	35	1.0	<3	<3	147	1.11
1318953	Soil	11	8	15	5	206	7	115	0.4	52	25	929	4.59	131	<2	34	0.7	<3	<3	80	0.64
1318954	Soil	I.S.	I.S.	I.S.	3	269	4	95	<0.3	62	30	829	5.19	140	<2	17	0.7	<3	<3	124	0.64
1318955	Soil	11	5	23	3	240	5	112	<0.3	56	26	867	4.73	44	<2	24	0.9	<3	<3	99	0.68
1318956	Soil	15	<3	29	3	323	4	96	0.4	61	30	885	5.47	64	<2	28	0.8	3	<3	118	0.96
1318957	Soil	I.S.	I.S.	I.S.	2	386	<3	93	0.6	47	31	1021	5.43	14	<2	21	0.6	<3	<3	118	0.95



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	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1318928	Soil	0.078	9	72	1.12	157	0.060	<20	1.85	<0.01	0.08	<2	0.08	<1	<5	<5	<5
1318929	Soil	0.091	9	60	0.92	188	0.045	<20	1.51	0.01	0.08	<2	0.12	<1	<5	<5	<5
1318930	Soil	0.090	9	65	0.92	187	0.045	<20	1.55	0.01	0.07	<2	0.11	<1	<5	<5	<5
1318931	Soil	0.098	14	63	1.19	151	0.103	<20	2.12	<0.01	0.11	<2	0.07	<1	<5	<5	7
1318932	Soil	0.104	16	55	0.92	206	0.045	<20	1.70	0.01	0.07	<2	0.10	<1	<5	<5	5
1318933	Soil	0.071	13	33	0.61	218	0.022	<20	1.13	<0.01	0.08	<2	0.11	<1	<5	<5	<5
1318934	Soil	0.061	14	48	0.92	150	0.036	<20	1.46	0.01	0.09	<2	0.11	<1	<5	<5	<5
1318935	Soil	0.066	20	45	1.30	180	0.032	<20	2.05	<0.01	0.08	<2	0.06	<1	<5	5	6
1318936	Soil	0.071	12	48	1.08	127	0.035	<20	1.58	<0.01	0.06	<2	<0.05	<1	<5	<5	5
1318937	Soil	0.073	14	43	1.05	188	0.032	<20	1.64	<0.01	0.07	<2	0.07	<1	<5	<5	<5
1318938	Soil	0.043	8	61	1.51	169	0.137	<20	2.11	<0.01	0.09	<2	<0.05	<1	<5	<5	5
1318939	Soil	0.074	11	59	1.26	124	0.145	<20	2.01	<0.01	0.12	<2	<0.05	<1	<5	<5	6
1318940	Soil	0.068	10	61	1.26	129	0.154	<20	2.00	<0.01	0.12	<2	<0.05	<1	<5	<5	6
1318941	Soil	0.069	7	39	0.82	152	0.085	<20	1.32	<0.01	0.06	<2	0.14	<1	<5	<5	<5
1318942	Soil	0.057	9	62	1.33	140	0.128	<20	2.01	<0.01	0.11	<2	<0.05	<1	<5	<5	5
1318943	Soil	0.065	10	53	0.99	138	0.107	<20	1.82	0.01	0.13	<2	<0.05	<1	<5	<5	5
1318944	Soil	0.072	10	59	1.18	108	0.145	<20	1.85	<0.01	0.15	<2	<0.05	<1	<5	<5	6
1318945	Soil	0.071	11	63	1.13	121	0.140	<20	1.86	<0.01	0.14	<2	<0.05	<1	<5	<5	6
1318946	Soil	0.078	9	64	1.29	116	0.135	<20	1.95	0.02	0.12	<2	<0.05	<1	<5	<5	6
1318947	Soil	0.048	8	58	1.10	116	0.116	<20	1.78	0.01	0.08	<2	<0.05	<1	<5	<5	5
1318948	Soil	0.039	8	62	1.16	116	0.120	<20	1.86	0.01	0.09	<2	<0.05	<1	<5	<5	5
1318949	Soil	0.052	8	71	1.25	173	0.116	<20	1.90	0.01	0.08	<2	<0.05	<1	<5	<5	<5
1318950	Soil	0.046	8	70	1.22	149	0.115	<20	1.86	0.01	0.08	<2	<0.05	<1	<5	<5	<5
1318951	Soil	0.095	20	45	1.09	237	0.022	<20	1.58	<0.01	0.10	<2	0.11	<1	<5	6	6
1318952	Soil	0.120	8	152	2.77	221	0.136	<20	2.68	<0.01	0.13	<2	<0.05	<1	<5	6	10
1318953	Soil	0.078	12	71	1.57	248	0.026	<20	2.06	<0.01	0.10	<2	0.06	<1	<5	7	6
1318954	Soil	0.051	6	96	1.75	89	0.116	<20	2.26	<0.01	0.08	<2	<0.05	<1	<5	5	11
1318955	Soil	0.079	7	85	1.56	147	0.084	<20	2.18	<0.01	0.09	<2	0.07	<1	<5	<5	6
1318956	Soil	0.054	7	93	1.82	129	0.128	<20	2.33	<0.01	0.11	<2	0.06	<1	<5	<5	8
1318957	Soil	0.055	5	86	1.65	111	0.175	<20	2.17	<0.01	0.14	<2	<0.05	<1	<5	<5	9



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Project: 2018-Ellen
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	Method	Analyte	Unit																			
			MDL																			
			FA330	FA330	FA330	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	
			Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca



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	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1318958	Soil	0.069	6	90	1.40	203	0.117	<20	1.93	<0.01	0.06	<2	0.05	<1	<5	<5	6
1318959	Soil	0.074	6	67	1.16	164	0.066	<20	1.63	<0.01	0.05	<2	0.09	<1	<5	<5	<5
1318960	Soil	0.077	6	67	1.07	165	0.062	<20	1.57	<0.01	0.05	<2	0.08	<1	<5	<5	<5
1318961	Soil	0.065	7	77	1.31	171	0.082	<20	1.72	<0.01	0.07	<2	0.07	<1	<5	<5	<5
1318962	Soil	0.070	6	76	1.23	149	0.074	<20	1.59	<0.01	0.07	<2	0.07	<1	<5	<5	<5
1318963	Soil	0.068	6	67	1.07	135	0.077	<20	1.46	<0.01	0.07	<2	0.07	<1	<5	<5	<5
1318964	Soil	0.076	6	79	1.26	145	0.074	<20	1.74	<0.01	0.05	<2	0.06	<1	<5	<5	<5
1318965	Soil	0.080	10	55	1.03	204	0.030	<20	1.82	<0.01	0.05	<2	0.08	<1	<5	5	<5
1318966	Soil	0.085	17	52	1.65	200	0.023	<20	2.53	<0.01	0.13	<2	0.08	<1	<5	<5	7
1318967	Soil	0.087	13	45	1.13	185	0.034	<20	1.74	<0.01	0.10	<2	0.08	<1	<5	<5	5
1318968	Soil	0.051	10	76	1.84	191	0.060	<20	2.26	<0.01	0.11	<2	0.05	<1	<5	5	6
1318969	Soil	0.097	10	51	1.00	226	0.027	<20	1.56	<0.01	0.07	<2	0.12	<1	<5	5	<5
1318970	Soil	0.068	7	87	1.84	165	0.106	<20	2.36	<0.01	0.11	<2	0.06	<1	<5	<5	6
1318971	Soil	0.096	8	41	0.84	117	0.039	<20	1.21	<0.01	0.07	<2	0.15	<1	<5	<5	<5
1318972	Soil	0.074	7	83	1.42	105	0.083	<20	1.97	<0.01	0.09	<2	0.05	<1	<5	<5	6
1318973	Soil	0.079	8	73	1.39	142	0.067	<20	1.92	<0.01	0.06	<2	0.08	<1	<5	<5	7
1318974	Soil	0.060	8	73	1.22	134	0.068	<20	1.66	<0.01	0.08	<2	0.07	<1	<5	<5	<5
1318975	Soil	0.054	6	73	1.25	119	0.098	<20	1.63	<0.01	0.07	<2	0.06	<1	<5	<5	<5
1318976	Soil	0.070	7	58	1.00	132	0.060	<20	1.45	<0.01	0.07	<2	0.08	<1	<5	<5	<5
1318977	Soil	0.054	7	76	1.25	179	0.070	<20	1.68	<0.01	0.06	<2	0.07	<1	<5	<5	5
1318978	Soil	0.067	8	81	1.27	156	0.069	<20	1.56	<0.01	0.07	<2	0.08	<1	<5	<5	<5
1318979	Soil	0.078	8	71	1.09	183	0.058	<20	1.53	0.01	0.06	<2	0.08	<1	<5	<5	<5
1318980	Soil	0.081	8	70	1.10	174	0.057	<20	1.52	<0.01	0.06	<2	0.08	<1	<5	<5	<5
1318981	Soil	0.048	5	80	1.28	114	0.086	<20	1.63	<0.01	0.07	<2	0.05	<1	<5	<5	<5
1318982	Soil	0.090	8	77	1.23	223	0.031	<20	1.83	<0.01	0.05	<2	0.07	<1	<5	7	<5
1318983	Soil	0.088	8	73	1.38	123	0.067	<20	1.78	<0.01	0.10	<2	0.08	<1	<5	7	5
1318984	Soil	0.089	5	55	1.05	102	0.067	<20	1.31	<0.01	0.15	<2	0.12	<1	<5	5	<5
1318985	Soil	0.080	17	53	1.22	186	0.016	<20	1.77	<0.01	0.10	<2	0.07	<1	<5	7	8
1318986	Soil	0.074	24	35	0.91	273	0.004	<20	1.65	<0.01	0.10	<2	0.08	<1	<5	7	7
1318987	Soil	0.046	8	126	2.57	281	0.096	<20	2.60	<0.01	0.09	<2	<0.05	<1	<5	8	8



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	Method Analyte Unit MDL	FA330	FA330	FA330	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca
		ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01
1318988	Soil	8	6	13	4	165	7	120	0.3	47	23	856	4.25	49	<2	39	<0.5	<3	<3	76	0.78
1318989	Soil	9	7	14	2	209	3	83	0.4	49	27	770	4.18	32	<2	42	0.5	<3	<3	88	1.55
1318990	Soil	10	4	17	2	210	4	83	0.4	50	27	769	4.13	31	<2	41	0.6	<3	<3	88	1.49
1318991	Soil	9	9	20	2	224	4	85	0.7	48	23	718	4.42	39	<2	26	<0.5	<3	<3	91	0.88
1318992	Soil	9	4	19	2	208	4	84	<0.3	44	19	660	4.03	24	<2	28	<0.5	<3	<3	80	0.89
1318993	Soil	10	7	22	2	249	5	83	<0.3	42	18	625	3.74	26	<2	41	0.6	<3	<3	72	1.43
1318994	Soil	11	<3	28	2	191	4	71	<0.3	38	18	595	3.46	16	<2	37	0.5	<3	<3	71	1.35
1318995	Soil	I.S.	I.S.	I.S.	1	170	5	90	<0.3	38	17	632	3.04	17	<2	48	1.1	<3	<3	60	1.68
1318996	Soil	8	<3	11	2	116	6	93	<0.3	40	14	532	3.30	21	<2	53	<0.5	<3	<3	59	1.45
1318997	Soil	6	8	10	2	106	10	95	<0.3	62	19	744	3.62	18	<2	39	<0.5	<3	<3	62	0.92
1318998	Soil	5	<3	9	2	102	6	103	<0.3	66	17	595	3.31	16	<2	42	0.6	<3	<3	52	1.13
1318999	Soil	10	8	9	2	121	6	94	<0.3	72	20	666	3.36	17	<2	51	0.5	<3	<3	54	1.36
1319000	Soil	8	4	7	2	156	6	96	<0.3	83	20	684	3.29	17	<2	58	0.5	<3	<3	55	1.52
1319001	Soil	6	7	16	1	121	6	75	<0.3	200	27	667	3.74	12	<2	31	<0.5	<3	<3	68	0.81
1319002	Soil	5	4	7	2	63	7	76	<0.3	179	31	680	3.95	13	<2	31	<0.5	<3	<3	71	0.67
1319003	Soil	7	3	41	1	210	5	61	<0.3	162	21	560	2.97	10	<2	45	<0.5	<3	<3	54	1.56
1319004	Soil	12	9	34	1	79	5	69	<0.3	128	15	470	3.00	10	<2	45	<0.5	<3	<3	49	1.36
1319005	Soil	8	<3	38	1	90	5	73	<0.3	123	16	472	3.37	12	<2	37	<0.5	<3	<3	55	1.05
1319006	Soil	7	<3	5	2	82	7	81	<0.3	106	21	727	3.11	11	<2	39	0.5	<3	<3	51	1.19
1319007	Soil	12	<3	8	<1	107	4	66	<0.3	160	26	722	3.79	9	<2	40	<0.5	<3	<3	66	1.56
1319008	Soil	I.S.	I.S.	I.S.	1	79	7	75	<0.3	124	21	652	3.28	9	2	33	<0.5	<3	<3	57	1.15
1319009	Soil	5	7	10	1	65	5	72	<0.3	83	18	599	3.32	14	<2	37	<0.5	<3	<3	57	1.04
1319010	Soil	7	7	15	1	76	6	70	<0.3	70	16	554	3.35	14	<2	34	<0.5	<3	<3	55	0.88
1319011	Soil	9	6	6	2	119	6	80	0.9	169	24	699	4.13	15	3	29	<0.5	<3	<3	73	0.67
1319012	Soil	7	8	9	1	71	5	55	<0.3	71	14	551	2.36	9	<2	82	<0.5	<3	<3	37	2.82
1319013	Soil	15	9	9	1	97	6	77	<0.3	118	21	671	3.44	10	<2	37	<0.5	<3	<3	60	1.18
1319014	Soil	11	6	15	4	109	7	126	0.4	47	15	804	3.90	44	<2	51	0.8	<3	<3	69	1.10
1319015	Soil	11	3	10	12	110	12	355	1.0	56	13	855	4.83	47	2	29	3.8	6	<3	39	0.32
1319016	Soil	12	8	11	9	144	10	574	0.7	82	29	1360	4.37	34	3	55	8.5	4	<3	73	0.39
1319017	Soil	9	4	12	4	93	7	122	<0.3	49	24	940	3.28	17	<2	40	0.9	<3	<3	43	0.93



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	Method	Analyte	Unit	MDL	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300			
					P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
					%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
					0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1318988	Soil				0.071	9	66	1.29	255	0.040	<20	1.84	<0.01	0.06	<2	0.08	<1	<5	6	<5
1318989	Soil				0.056	5	76	1.51	97	0.140	<20	1.83	<0.01	0.09	<2	0.10	<1	<5	<5	<5
1318990	Soil				0.056	5	76	1.51	97	0.134	<20	1.81	<0.01	0.09	<2	0.10	<1	<5	<5	<5
1318991	Soil				0.050	5	80	1.56	80	0.163	<20	2.04	<0.01	0.09	<2	<0.05	<1	<5	<5	<5
1318992	Soil				0.051	5	74	1.42	101	0.093	<20	1.88	<0.01	0.08	<2	0.05	<1	<5	<5	<5
1318993	Soil				0.076	6	67	1.25	135	0.058	<20	1.78	<0.01	0.08	<2	0.10	<1	<5	6	<5
1318994	Soil				0.065	5	65	1.20	85	0.104	<20	1.62	<0.01	0.09	<2	0.10	<1	<5	<5	<5
1318995	Soil				0.073	6	58	1.02	117	0.059	<20	1.44	<0.01	0.07	<2	0.09	<1	<5	<5	<5
1318996	Soil				0.080	7	60	1.13	156	0.044	<20	1.71	<0.01	0.07	<2	0.08	<1	<5	<5	<5
1318997	Soil				0.055	7	75	1.24	138	0.061	<20	1.72	<0.01	0.07	<2	0.06	<1	<5	6	<5
1318998	Soil				0.064	7	63	1.12	132	0.066	<20	1.40	<0.01	0.07	<2	0.06	<1	<5	<5	<5
1318999	Soil				0.067	6	72	1.14	130	0.043	<20	1.53	<0.01	0.08	<2	0.09	<1	<5	<5	<5
1319000	Soil				0.069	7	72	1.13	143	0.052	<20	1.57	0.01	0.08	<2	0.09	<1	<5	<5	<5
1319001	Soil				0.056	7	140	1.79	98	0.101	<20	1.80	0.01	0.12	<2	<0.05	<1	<5	<5	<5
1319002	Soil				0.045	7	130	1.52	113	0.127	<20	1.77	0.01	0.14	<2	<0.05	<1	<5	<5	5
1319003	Soil				0.069	7	104	1.45	104	0.063	<20	1.37	0.01	0.11	<2	0.07	<1	<5	<5	<5
1319004	Soil				0.048	7	62	1.06	120	0.086	<20	1.45	0.01	0.09	<2	0.05	<1	<5	<5	<5
1319005	Soil				0.046	7	68	1.11	146	0.098	<20	1.61	0.01	0.08	<2	<0.05	<1	<5	<5	<5
1319006	Soil				0.071	7	73	1.15	125	0.088	<20	1.44	0.01	0.14	<2	0.06	<1	<5	<5	<5
1319007	Soil				0.056	7	119	2.12	71	0.140	<20	1.68	0.01	0.12	<2	<0.05	<1	<5	<5	<5
1319008	Soil				0.081	7	96	1.64	80	0.091	<20	1.44	0.01	0.13	<2	<0.05	<1	<5	<5	<5
1319009	Soil				0.046	7	66	1.15	88	0.114	<20	1.60	0.01	0.16	<2	<0.05	<1	<5	<5	<5
1319010	Soil				0.047	8	59	1.11	78	0.105	<20	1.60	<0.01	0.12	<2	<0.05	<1	<5	<5	<5
1319011	Soil				0.025	10	89	1.41	78	0.177	<20	1.99	<0.01	0.13	<2	<0.05	<1	<5	<5	6
1319012	Soil				0.073	5	40	0.91	121	0.056	<20	1.06	0.02	0.07	<2	0.11	<1	<5	<5	<5
1319013	Soil				0.069	6	84	1.49	90	0.109	<20	1.53	0.01	0.11	<2	<0.05	<1	<5	<5	<5
1319014	Soil				0.075	9	65	1.44	184	0.036	<20	1.80	<0.01	0.09	<2	0.06	<1	<5	<5	<5
1319015	Soil				0.072	15	28	0.71	132	0.018	<20	1.05	<0.01	0.06	<2	0.06	<1	<5	<5	<5
1319016	Soil				0.067	21	35	0.96	231	0.010	<20	1.40	<0.01	0.07	<2	0.11	<1	<5	<5	7
1319017	Soil				0.090	7	75	0.87	163	0.023	<20	1.41	<0.01	0.06	<2	0.09	<1	<5	<5	<5



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	Method Analyte Unit MDL	FA330	FA330	FA330	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca
		ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01
1319018	Soil	32	<3	7	2	61	4	75	<0.3	536	45	620	2.99	6	<2	66	1.3	<3	<3	38	1.50
1319019	Soil	19	9	6	4	77	6	137	0.4	135	29	1006	3.43	15	<2	51	1.2	<3	<3	47	0.76
1319020	Soil	12	<3	5	5	75	7	137	0.4	131	30	1026	3.55	17	<2	47	1.1	<3	<3	49	0.66
1319021	Soil	20	10	8	7	94	8	294	0.7	52	13	604	3.70	31	2	43	1.9	3	<3	43	0.82
1319022	Soil	10	8	8	6	90	7	275	0.7	51	12	632	3.33	24	<2	53	2.4	<3	<3	48	0.99
1319023	Soil	18	7	8	15	98	11	392	1.5	53	8	537	3.52	44	2	39	3.0	7	<3	41	0.78
1319024	Soil	12	6	10	7	106	7	307	0.8	68	16	800	3.99	27	<2	28	2.2	3	<3	58	0.50
1319025	Soil	9	6	10	6	111	8	218	0.6	64	14	690	3.24	21	<2	53	2.8	<3	<3	45	1.32
1319026	Soil	10	9	9	16	125	10	375	1.1	59	9	456	4.55	48	<2	33	3.4	7	<3	42	0.49
1319027	Soil	14	<3	8	8	75	9	196	0.9	53	16	885	3.55	26	3	27	1.8	3	<3	52	0.34
1319028	Soil	22	<3	16	14	367	23	807	0.9	172	104	4724	7.34	34	8	16	12.9	7	<3	42	0.17
1319029	Soil	10	5	7	8	75	9	165	0.8	47	15	769	3.82	24	<2	32	1.1	<3	<3	56	0.45
1319030	Soil	9	<3	7	8	75	9	166	0.9	49	15	807	3.83	24	3	31	1.1	<3	<3	56	0.45
1319031	Soil	11	<3	10	9	75	9	244	0.7	52	13	711	3.66	25	<2	33	1.9	<3	<3	54	0.40
1319032	Soil	12	<3	8	7	93	11	230	0.6	58	21	1253	3.47	24	<2	50	2.9	3	<3	47	0.83
1319033	Soil	11	4	7	6	82	11	213	0.5	52	19	1104	3.55	26	<2	53	2.5	<3	<3	43	0.83
1319034	Soil	7	<3	7	5	79	10	157	0.4	43	17	839	3.08	20	<2	47	4.0	<3	<3	42	0.99
1319035	Soil	7	<3	11	3	86	7	95	<0.3	48	19	679	3.55	15	<2	42	<0.5	<3	<3	51	0.91
1319036	Soil	10	15	21	3	187	15	123	<0.3	76	30	913	3.54	15	<2	44	1.4	<3	<3	48	1.55
1319037	Soil	15	<3	13	4	135	8	154	<0.3	65	31	893	3.51	18	<2	42	1.4	<3	<3	47	1.11
1319038	Soil	12	<3	<2	10	92	14	262	1.2	52	20	751	4.03	29	<2	52	3.0	4	<3	50	0.73
1319039	Soil	8	5	5	9	88	10	238	0.9	59	21	895	3.91	30	3	46	3.3	4	<3	54	0.67
1319040	Soil	10	<3	6	9	82	10	225	0.9	55	18	831	3.58	27	<2	44	3.0	<3	<3	50	0.66
1319041	Soil	14	<3	11	13	108	11	494	1.0	64	15	720	4.93	45	3	58	4.2	5	<3	56	0.52
1319042	Soil	11	<3	9	6	116	8	194	0.5	46	20	874	3.80	22	<2	35	1.4	<3	<3	56	0.50
1319043	Soil	11	<3	11	7	113	8	269	0.6	53	16	893	3.56	28	<2	39	2.1	4	<3	46	0.77
1319044	Soil	14	6	36	4	575	9	158	0.5	52	21	764	4.18	16	2	67	1.5	<3	<3	70	1.50
1319045	Soil	11	<3	34	4	225	9	133	0.4	43	18	778	3.98	17	<2	48	0.9	<3	<3	66	1.15
1319046	Soil	20	<3	11	3	96	7	121	0.4	37	16	653	3.94	15	<2	34	0.8	<3	<3	69	0.72
1319047	Soil	13	<3	15	4	151	8	170	0.4	44	15	532	3.07	12	<2	39	2.2	<3	<3	57	0.88



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Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1319018	Soil	0.047	4	403	3.35	119	0.021	<20	1.08	<0.01	0.03	<2	0.06	<1	<5	<5
1319019	Soil	0.062	7	156	1.60	151	0.037	<20	1.51	0.01	0.07	<2	0.07	<1	<5	<5
1319020	Soil	0.063	7	157	1.53	165	0.038	<20	1.50	<0.01	0.07	<2	0.06	<1	<5	<5
1319021	Soil	0.061	12	42	0.74	169	0.024	<20	1.21	<0.01	0.06	<2	0.07	<1	<5	<5
1319022	Soil	0.069	11	55	0.90	225	0.022	<20	1.34	<0.01	0.05	<2	0.07	<1	<5	<5
1319023	Soil	0.082	12	34	0.57	219	0.011	<20	0.92	<0.01	0.05	<2	0.07	<1	<5	<5
1319024	Soil	0.049	13	78	1.14	165	0.028	<20	1.56	<0.01	0.06	<2	<0.05	<1	<5	5
1319025	Soil	0.085	12	60	0.91	217	0.018	<20	1.31	<0.01	0.06	<2	0.12	<1	<5	<5
1319026	Soil	0.083	15	29	0.50	126	0.007	<20	0.93	<0.01	0.05	<2	0.09	<1	<5	<5
1319027	Soil	0.068	13	62	1.08	179	0.027	<20	1.43	<0.01	0.06	<2	0.05	<1	<5	<5
1319028	Soil	0.095	79	40	0.89	170	0.009	<20	2.22	<0.01	0.04	<2	<0.05	<1	7	<5
1319029	Soil	0.070	13	61	1.08	203	0.031	<20	1.65	<0.01	0.07	<2	0.07	<1	<5	<5
1319030	Soil	0.072	14	66	1.05	201	0.030	<20	1.62	<0.01	0.07	<2	0.06	<1	<5	<5
1319031	Soil	0.087	12	51	0.85	263	0.017	<20	1.30	<0.01	0.08	<2	0.08	<1	<5	<5
1319032	Soil	0.096	15	52	0.92	282	0.021	<20	1.36	<0.01	0.08	<2	0.11	<1	<5	<5
1319033	Soil	0.102	13	41	0.85	398	0.014	<20	1.34	<0.01	0.09	<2	0.14	<1	<5	<5
1319034	Soil	0.111	10	37	0.78	348	0.022	<20	1.26	<0.01	0.10	<2	0.14	<1	<5	<5
1319035	Soil	0.080	7	70	0.96	236	0.039	<20	1.74	<0.01	0.06	<2	0.06	<1	<5	<5
1319036	Soil	0.098	7	112	1.18	130	0.041	<20	1.62	0.01	0.12	<2	0.13	<1	<5	<5
1319037	Soil	0.091	8	76	1.02	160	0.037	<20	1.46	<0.01	0.08	3	0.13	<1	<5	<5
1319038	Soil	0.114	12	57	0.80	256	0.032	<20	1.34	0.01	0.09	<2	0.12	<1	<5	<5
1319039	Soil	0.098	13	57	0.90	335	0.027	<20	1.44	0.01	0.09	<2	0.13	<1	<5	<5
1319040	Soil	0.090	12	51	0.83	335	0.025	<20	1.34	0.01	0.09	<2	0.12	<1	<5	<5
1319041	Soil	0.087	20	34	0.84	203	0.009	<20	1.27	0.02	0.09	<2	0.35	<1	<5	6
1319042	Soil	0.068	11	56	1.06	194	0.045	<20	1.64	<0.01	0.09	<2	0.07	<1	<5	<5
1319043	Soil	0.064	15	48	0.88	157	0.022	<20	1.33	<0.01	0.06	<2	0.10	<1	<5	<5
1319044	Soil	0.072	11	81	1.47	181	0.044	<20	1.90	0.01	0.13	<2	0.10	<1	<5	6
1319045	Soil	0.068	9	58	1.26	128	0.089	<20	1.74	0.01	0.11	<2	0.08	<1	<5	<5
1319046	Soil	0.071	9	58	1.29	118	0.137	<20	1.91	<0.01	0.10	<2	<0.05	<1	<5	<5
1319047	Soil	0.075	9	55	1.07	252	0.047	<20	1.68	<0.01	0.08	<2	0.17	<1	<5	<5



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	Method	FA330	FA330	FA330	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01
1319048	Soil	8	<3	15	6	101	6	124	<0.3	36	13	585	6.24	71	<2	21	0.7	<3	<3	79	0.43
1319049	Soil	7	<3	7	4	100	6	130	<0.3	47	61	2438	4.04	45	<2	30	1.7	<3	<3	78	0.65
1319050	Soil	7	<3	8	3	85	6	119	<0.3	36	20	785	3.59	33	<2	25	0.9	<3	<3	75	0.55
1319051	Soil	6	5	8	3	82	5	106	<0.3	38	19	574	4.99	40	<2	23	0.8	<3	<3	97	0.54
1319052	Soil	35	<3	6	2	95	7	91	<0.3	41	14	622	3.64	15	<2	40	<0.5	<3	<3	65	0.83
1319053	Soil	10	<3	7	2	127	7	99	<0.3	52	19	686	3.96	22	<2	40	0.6	<3	<3	70	0.93
1319054	Soil	6	3	6	1	96	4	95	0.3	51	18	472	3.83	9	4	41	<0.5	<3	<3	79	0.89
1319055	Soil	9	6	5	1	110	8	90	0.3	51	17	665	3.86	14	3	44	<0.5	<3	<3	75	1.01
1319056	Soil	30	<3	4	1	98	4	92	0.4	47	16	673	3.50	13	3	43	<0.5	<3	<3	68	1.33
1319057	Soil	8	<3	3	1	86	7	103	<0.3	47	19	532	3.62	11	3	44	<0.5	<3	<3	68	1.11
1319058	Soil	8	4	8	2	102	<3	111	0.3	56	19	604	3.95	12	3	40	<0.5	<3	<3	75	0.85
1319059	Soil	7	5	9	2	114	4	113	<0.3	62	18	642	3.76	12	<2	43	<0.5	<3	<3	69	0.94
1319060	Soil	10	<3	11	2	117	8	115	<0.3	64	18	652	3.71	12	3	45	<0.5	<3	<3	69	1.01
1319061	Soil	7	3	9	2	106	7	109	<0.3	65	21	810	4.00	16	3	41	<0.5	<3	<3	70	0.91
1319062	Soil	7	<3	12	<1	123	5	96	<0.3	50	20	815	3.86	14	4	43	<0.5	<3	<3	67	0.98
1319063	Soil	8	<3	3	1	78	<3	93	<0.3	54	16	732	3.90	14	3	43	<0.5	<3	<3	72	1.00
1319064	Soil	9	<3	8	1	129	6	102	<0.3	53	17	683	3.56	13	3	65	<0.5	<3	<3	62	1.86
1319065	Soil	6	<3	7	2	57	7	104	<0.3	34	15	556	3.59	14	3	41	<0.5	<3	<3	62	0.84
1319066	Soil	5	3	5	2	60	3	161	<0.3	36	13	614	3.20	13	3	45	1.0	<3	<3	52	1.05
1319067	Soil	10	<3	6	1	75	5	86	<0.3	44	15	612	3.62	14	4	47	<0.5	<3	<3	63	0.99
1319068	Soil	6	10	6	2	63	5	89	<0.3	41	18	630	3.70	15	3	45	<0.5	<3	<3	63	0.89
1319069	Soil	7	5	6	1	89	5	98	<0.3	50	17	715	3.79	13	4	38	<0.5	<3	<3	66	0.72
1319070	Soil	6	4	7	1	90	6	98	<0.3	50	17	713	3.82	14	4	39	<0.5	<3	<3	67	0.74
1319071	Soil	5	<3	2	2	54	8	95	<0.3	37	15	525	3.49	13	3	43	<0.5	<3	<3	60	0.82
1319072	Soil	6	5	4	2	66	5	89	<0.3	43	15	646	3.68	13	4	37	<0.5	<3	<3	65	0.66
1319073	Soil	7	<3	5	3	54	5	141	<0.3	39	32	1226	4.18	23	4	45	0.6	<3	<3	60	0.85
1319074	Soil	9	3	5	2	81	6	126	<0.3	48	20	785	3.72	18	3	50	0.7	<3	<3	58	1.05
1319075	Soil	9	3	7	3	83	10	123	<0.3	43	20	813	3.95	20	3	55	<0.5	<3	<3	57	1.11
1319076	Soil	9	<3	5	2	77	9	95	<0.3	45	19	815	3.87	17	4	47	<0.5	<3	<3	65	0.99
1319077	Soil	10	9	6	3	56	7	111	<0.3	32	13	423	3.25	16	3	59	<0.5	<3	<3	51	1.31



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Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1319048	Soil	0.065	8	68	1.46	143	0.039	<20	2.05	<0.01	0.11	<2	0.07	<1	<5	5
1319049	Soil	0.062	8	66	1.43	213	0.075	<20	2.06	<0.01	0.11	<2	0.06	<1	<5	5
1319050	Soil	0.056	7	63	1.46	132	0.097	<20	2.07	<0.01	0.11	<2	<0.05	<1	<5	<5
1319051	Soil	0.049	7	76	1.67	118	0.116	<20	2.27	<0.01	0.10	<2	0.06	<1	<5	6
1319052	Soil	0.040	9	58	1.13	153	0.124	<20	1.89	<0.01	0.11	<2	<0.05	<1	<5	5
1319053	Soil	0.044	10	71	1.26	151	0.109	<20	1.95	<0.01	0.10	<2	<0.05	<1	<5	5
1319054	Soil	0.068	8	67	1.30	125	0.161	<20	2.08	<0.01	0.09	<2	0.05	<1	<5	6
1319055	Soil	0.056	10	61	1.23	123	0.153	<20	2.02	0.01	0.11	<2	<0.05	<1	<5	6
1319056	Soil	0.053	8	58	1.25	106	0.142	<20	1.78	0.01	0.09	<2	<0.05	<1	<5	6
1319057	Soil	0.076	9	59	1.12	117	0.130	<20	1.83	<0.01	0.09	<2	<0.05	<1	<5	5
1319058	Soil	0.073	9	72	1.26	111	0.149	<20	2.07	<0.01	0.11	<2	<0.05	<1	<5	6
1319059	Soil	0.073	8	74	1.21	113	0.108	<20	1.97	<0.01	0.11	<2	<0.05	<1	<5	6
1319060	Soil	0.074	9	74	1.20	118	0.113	<20	1.94	0.01	0.11	<2	<0.05	<1	<5	6
1319061	Soil	0.055	8	82	1.20	123	0.094	<20	1.95	<0.01	0.11	<2	<0.05	<1	<5	5
1319062	Soil	0.044	9	58	1.14	136	0.120	<20	1.98	0.01	0.13	<2	<0.05	<1	<5	5
1319063	Soil	0.045	9	56	1.21	102	0.169	<20	2.00	0.01	0.14	<2	<0.05	<1	<5	6
1319064	Soil	0.079	9	50	1.06	154	0.090	<20	1.80	0.01	0.13	<2	0.07	<1	<5	<5
1319065	Soil	0.083	10	45	0.92	109	0.089	<20	1.69	0.01	0.10	<2	0.05	<1	<5	<5
1319066	Soil	0.086	9	38	0.87	94	0.085	<20	1.54	<0.01	0.08	<2	0.05	<1	<5	<5
1319067	Soil	0.076	8	49	1.03	150	0.114	<20	1.88	0.01	0.08	<2	<0.05	<1	<5	5
1319068	Soil	0.043	9	50	0.97	138	0.093	<20	1.88	0.01	0.07	<2	<0.05	<1	<5	<5
1319069	Soil	0.081	8	52	1.10	93	0.158	<20	1.85	0.01	0.11	<2	<0.05	<1	<5	6
1319070	Soil	0.089	9	52	1.11	92	0.159	<20	1.88	0.01	0.11	<2	<0.05	<1	<5	6
1319071	Soil	0.074	8	47	0.97	115	0.099	<20	1.74	<0.01	0.09	<2	<0.05	<1	<5	<5
1319072	Soil	0.064	9	48	1.06	103	0.141	<20	1.85	0.01	0.09	<2	<0.05	<1	<5	<5
1319073	Soil	0.082	8	44	0.92	144	0.081	<20	1.72	<0.01	0.09	<2	<0.05	<1	<5	<5
1319074	Soil	0.121	9	42	1.01	114	0.093	<20	1.77	<0.01	0.17	<2	0.08	<1	<5	<5
1319075	Soil	0.086	10	44	0.91	192	0.059	<20	1.70	<0.01	0.07	<2	0.06	<1	<5	<5
1319076	Soil	0.060	11	48	1.08	156	0.121	<20	1.93	0.01	0.09	<2	<0.05	<1	<5	6
1319077	Soil	0.071	8	36	0.76	115	0.074	<20	1.39	<0.01	0.08	<2	0.07	<1	<5	<5



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	Method Analyte Unit MDL	FA330	FA330	FA330	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca
		ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01
1319078	Soil	7	10	7	<1	94	5	66	<0.3	219	27	716	3.73	9	3	43	<0.5	<3	<3	69	1.14
1319079	Soil	9	9	26	1	104	4	70	<0.3	190	21	618	3.26	10	3	51	<0.5	<3	<3	57	1.78
1319080	Soil	6	11	32	1	111	5	72	<0.3	199	21	605	3.16	11	3	52	<0.5	<3	<3	55	1.85
1319081	Soil	7	<3	10	<1	107	<3	69	<0.3	218	28	769	3.74	11	3	36	<0.5	<3	<3	69	0.90
1319082	Soil	8	<3	15	1	140	5	68	<0.3	162	22	583	3.38	10	4	53	<0.5	<3	<3	61	1.69
1319083	Soil	8	<3	20	<1	161	5	76	<0.3	210	28	728	3.82	6	4	34	<0.5	<3	<3	71	1.12
1319084	Soil	7	<3	11	<1	100	8	72	<0.3	150	24	602	3.25	5	3	45	<0.5	<3	<3	61	1.45
1319085	Soil	5	<3	9	<1	84	<3	82	<0.3	132	26	960	3.66	6	5	38	<0.5	<3	<3	69	1.11
1319086	Soil	7	3	12	<1	216	<3	97	<0.3	67	26	849	4.52	6	4	26	<0.5	<3	<3	86	0.70
1319087	Soil	7	<3	15	<1	258	3	93	<0.3	76	26	881	4.67	3	3	23	<0.5	<3	<3	92	0.77
1319088	Soil	7	4	14	<1	340	<3	105	<0.3	72	28	914	4.96	5	3	24	<0.5	<3	<3	88	0.79
1319089	Soil	13	12	19	<1	478	<3	94	<0.3	66	27	812	4.77	6	4	36	<0.5	<3	<3	82	1.28
1319090	Soil	10	<3	20	<1	453	<3	92	<0.3	64	26	802	4.81	6	4	37	<0.5	<3	<3	83	1.26
1319091	Soil	7	6	23	<1	392	<3	110	<0.3	85	31	950	5.26	5	4	29	<0.5	<3	<3	95	1.05
1319092	Soil	12	<3	22	<1	241	5	99	<0.3	73	27	768	4.76	8	4	31	<0.5	<3	<3	87	0.93
1319093	Soil	7	<3	13	<1	152	4	88	<0.3	61	22	645	3.76	6	3	35	<0.5	<3	<3	76	1.04
1319094	Soil	11	<3	22	1	239	<3	97	<0.3	77	23	1061	3.62	6	3	46	<0.5	<3	<3	66	1.59
1319095	Soil	11	4	10	<1	96	<3	81	<0.3	63	25	860	3.92	4	3	29	<0.5	<3	<3	85	0.87
1319096	Soil	8	4	11	<1	99	4	86	<0.3	70	19	615	3.74	4	4	29	<0.5	<3	<3	82	0.76
1319097	Soil	8	6	14	<1	159	4	74	<0.3	78	22	654	3.73	4	4	33	<0.5	<3	<3	78	0.99
1319098	Soil	5	5	7	2	102	9	142	<0.3	60	18	462	3.77	12	3	35	0.8	<3	<3	78	0.89
1319099	Soil	6	<3	13	<1	122	4	84	<0.3	69	19	752	3.54	6	3	34	<0.5	<3	<3	74	1.04
1319100	Soil	9	<3	8	<1	98	<3	80	<0.3	62	18	639	3.46	5	3	33	<0.5	<3	<3	77	1.01
1319101	Soil	10	3	12	7	94	8	280	0.6	76	25	1079	4.16	25	3	31	3.7	<3	<3	63	0.47
1319102	Soil	11	<3	7	6	98	8	290	0.6	62	16	829	3.77	27	3	37	4.9	<3	<3	52	0.70
1319103	Soil	8	<3	2	7	85	12	263	0.6	56	31	1400	3.43	24	4	47	6.3	<3	<3	45	0.98
1319104	Soil	16	<3	12	11	169	13	478	1.0	84	28	1150	5.05	62	3	33	4.5	4	<3	47	0.36
1319105	Soil	12	3	10	8	134	11	300	0.6	70	25	1239	4.34	36	3	45	2.5	<3	<3	52	0.76
1319106	Soil	12	<3	9	7	123	10	284	0.7	64	19	979	4.19	36	2	45	2.1	4	<3	49	0.83
1319107	Soil	26	3	14	7	165	17	276	0.9	73	24	1641	4.00	28	3	56	2.2	3	<3	39	0.73



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Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1319078	Soil	0.072	9	122	1.73	144	0.118	<20	1.82	0.01	0.08	<2	<0.05	<1	<5	<5
1319079	Soil	0.072	8	80	1.30	177	0.083	<20	1.49	0.02	0.12	<2	0.09	<1	<5	<5
1319080	Soil	0.075	8	78	1.25	186	0.068	<20	1.44	0.02	0.11	<2	0.09	<1	<5	<5
1319081	Soil	0.051	9	123	1.66	129	0.113	<20	1.86	0.01	0.12	<2	0.06	<1	<5	<5
1319082	Soil	0.072	8	95	1.48	111	0.077	<20	1.65	0.02	0.07	<2	0.09	<1	<5	<5
1319083	Soil	0.074	7	122	1.89	103	0.133	<20	1.82	0.01	0.12	<2	<0.05	<1	<5	5
1319084	Soil	0.077	7	96	1.48	133	0.089	<20	1.71	0.01	0.07	<2	0.07	<1	<5	<5
1319085	Soil	0.071	6	108	1.61	121	0.109	<20	1.83	0.01	0.08	<2	<0.05	<1	<5	<5
1319086	Soil	0.065	5	101	1.63	91	0.188	<20	2.21	<0.01	0.12	<2	<0.05	<1	<5	<5
1319087	Soil	0.071	4	110	1.84	77	0.257	<20	2.24	<0.01	0.12	<2	<0.05	<1	<5	6
1319088	Soil	0.076	4	113	1.86	100	0.150	<20	2.41	<0.01	0.12	<2	<0.05	<1	<5	6
1319089	Soil	0.072	6	107	1.64	143	0.089	<20	2.33	<0.01	0.11	<2	0.06	<1	<5	7
1319090	Soil	0.066	5	106	1.64	144	0.093	<20	2.34	<0.01	0.11	<2	0.06	<1	<5	5
1319091	Soil	0.074	5	128	2.04	105	0.139	<20	2.67	<0.01	0.12	<2	<0.05	<1	<5	7
1319092	Soil	0.061	6	109	1.69	106	0.137	<20	2.35	<0.01	0.09	<2	<0.05	<1	<5	5
1319093	Soil	0.065	5	86	1.41	108	0.143	<20	2.03	<0.01	0.07	<2	<0.05	<1	<5	5
1319094	Soil	0.088	6	81	1.31	135	0.073	<20	1.86	<0.01	0.08	<2	0.08	<1	<5	5
1319095	Soil	0.069	5	89	1.52	81	0.239	<20	1.97	<0.01	0.08	<2	<0.05	<1	<5	<5
1319096	Soil	0.071	5	96	1.57	78	0.210	<20	2.00	<0.01	0.08	<2	<0.05	<1	<5	<5
1319097	Soil	0.058	6	85	1.37	130	0.188	<20	1.96	<0.01	0.06	<2	<0.05	<1	<5	5
1319098	Soil	0.044	6	63	0.96	76	0.107	<20	1.87	0.01	0.07	<2	<0.05	<1	<5	<5
1319099	Soil	0.070	5	80	1.30	111	0.158	<20	1.76	<0.01	0.06	<2	<0.05	<1	<5	<5
1319100	Soil	0.061	5	81	1.32	100	0.216	<20	1.76	<0.01	0.06	<2	<0.05	<1	<5	<5
1319101	Soil	0.078	10	106	1.31	172	0.021	<20	1.70	<0.01	0.07	<2	0.07	<1	<5	5
1319102	Soil	0.100	13	61	0.98	152	0.022	<20	1.44	<0.01	0.08	<2	0.08	<1	<5	<5
1319103	Soil	0.101	13	46	0.80	230	0.026	<20	1.20	0.01	0.12	<2	0.13	<1	<5	<5
1319104	Soil	0.062	20	27	0.67	138	0.035	<20	0.99	<0.01	0.05	<2	0.05	<1	<5	<5
1319105	Soil	0.090	17	50	0.84	197	0.019	<20	1.36	<0.01	0.07	<2	0.12	<1	<5	<5
1319106	Soil	0.063	14	42	0.85	177	0.022	<20	1.24	<0.01	0.05	<2	0.12	<1	<5	<5
1319107	Soil	0.076	31	31	0.86	201	0.009	<20	1.25	<0.01	0.08	<2	0.12	<1	<5	<5



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	Method	Analyte	Unit	MDL	FA330	FA330	FA330	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300			
					Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca
					ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
					2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01
1319108	Soil			24	4	14	10	166	22	228	1.2	72	28	1857	3.89	27	3	25	2.0	4	<3	45	0.35	
1319109	Soil			6	13	40	4	203	5	138	<0.3	241	50	1601	6.17	9	<2	37	1.1	<3	<3	133	1.96	
1319110	Soil			7	14	37	4	207	<3	140	<0.3	249	52	1619	6.22	8	<2	35	1.1	<3	<3	135	1.89	
1319111	Soil			15	7	16	9	172	15	334	1.1	123	35	1766	6.12	30	2	41	3.4	<3	<3	110	0.27	
1319112	Soil			11	<3	13	13	166	11	386	0.8	78	33	1756	4.78	33	2	26	6.3	<3	<3	41	0.36	
1319113	Soil			8	7	7	4	135	12	145	0.4	49	24	1082	4.48	25	2	29	0.7	<3	<3	76	0.40	
1319114	Soil			22	3	13	10	99	22	339	0.8	44	21	1033	4.67	66	4	113	2.9	<3	<3	44	0.08	
1319115	Soil			8	4	13	5	109	9	113	0.3	35	19	746	3.55	22	<2	53	<0.5	<3	<3	53	1.14	
1319116	Soil			9	4	8	6	155	10	176	0.3	52	24	994	4.03	158	<2	82	1.5	4	<3	59	1.33	
1319151	Soil			7	5	14	<1	190	4	70	<0.3	52	16	691	3.01	10	<2	80	<0.5	<3	<3	55	2.13	
1319152	Soil			8	<3	12	<1	767	<3	81	<0.3	59	18	628	3.69	9	<2	56	<0.5	<3	<3	68	1.58	
1319153	Soil			7	<3	11	<1	508	6	83	0.4	59	18	614	3.77	7	<2	44	<0.5	<3	<3	72	1.22	
1319154	Soil			6	5	17	2	390	5	78	<0.3	46	18	595	3.83	19	<2	66	<0.5	<3	<3	80	1.95	
1319155	Soil			6	5	10	2	502	4	96	<0.3	55	20	789	4.29	8	<2	39	<0.5	<3	<3	85	1.05	
1319156	Soil			7	<3	2	1	149	4	84	<0.3	51	17	639	3.81	9	<2	36	<0.5	<3	<3	78	0.92	
1319157	Soil			7	4	5	1	298	4	120	<0.3	52	19	1026	3.83	8	<2	46	0.7	<3	<3	69	1.23	
1319158	Soil			9	8	6	3	150	7	108	<0.3	40	18	1193	2.55	11	<2	77	2.8	<3	<3	42	1.86	
1319159	Soil			14	11	19	3	213	7	112	<0.3	55	23	1424	4.21	11	<2	40	<0.5	<3	<3	75	0.85	
1319160	Soil			7	<3	8	2	185	3	107	<0.3	47	24	1124	4.34	12	<2	33	0.7	<3	<3	74	0.76	
1319161	Soil			11	<3	11	3	538	4	95	0.3	62	16	1461	3.02	20	<2	60	1.2	<3	<3	44	1.68	
1319162	Soil			4	4	4	<1	88	<3	94	0.5	38	17	737	3.39	7	<2	34	0.6	<3	<3	63	0.91	
1319163	Soil			13	<3	5	3	218	6	125	0.3	37	15	533	3.54	16	<2	29	0.6	<3	<3	61	0.52	
1319164	Soil			6	4	4	4	103	5	162	<0.3	45	19	741	3.92	19	<2	34	2.0	<3	<3	50	0.61	
1319165	Soil			6	3	3	3	72	5	168	<0.3	37	19	648	3.34	15	<2	25	3.0	<3	<3	49	0.45	
1319166	Soil			8	<3	4	5	96	6	175	<0.3	44	19	751	3.97	21	<2	32	1.5	17	<3	53	0.42	
1319167	Soil			6	<3	3	4	71	5	158	<0.3	34	16	609	3.31	16	<2	33	1.9	<3	<3	50	0.55	
1319168	Soil			10	5	5	2	354	5	120	<0.3	54	20	666	3.73	11	<2	39	0.7	<3	<3	72	0.97	
1319169	Soil			7	<3	7	2	579	4	96	<0.3	60	20	578	3.64	12	<2	32	<0.5	<3	<3	63	0.77	
1319170	Soil			8	8	7	2	584	6	96	<0.3	61	20	563	3.60	12	<2	34	<0.5	<3	<3	63	0.84	
1319171	Soil			17	<3	10	2	541	3	94	<0.3	66	21	749	3.68	8	<2	27	0.7	<3	<3	67	0.72	



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	Method	Analyte	Unit	MDL	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300			
					P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
					%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
					0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1319108	Soil				0.071	45	33	1.02	199	0.012	<20	1.30	<0.01	0.06	<2	0.05	<1	<5	<5	
1319109	Soil				0.063	8	481	2.87	221	0.092	<20	3.24	<0.01	0.09	<2	0.06	<1	<5	7	
1319110	Soil				0.064	7	499	2.90	222	0.094	<20	3.27	<0.01	0.09	<2	0.06	<1	<5	8	
1319111	Soil				0.076	29	174	2.33	194	0.009	<20	2.67	<0.01	0.05	<2	0.10	<1	<5	<5	
1319112	Soil				0.123	34	34	0.89	194	0.010	<20	1.38	<0.01	0.06	<2	0.07	<1	<5	<5	
1319113	Soil				0.049	13	50	1.17	167	0.074	<20	2.39	<0.01	0.06	<2	<0.05	<1	<5	<5	
1319114	Soil				0.077	34	12	0.49	345	<0.001	<20	1.25	0.03	0.09	<2	0.23	<1	<5	<5	
1319115	Soil				0.128	10	37	0.72	205	0.021	<20	1.34	<0.01	0.06	<2	0.14	<1	<5	<5	
1319116	Soil				0.102	23	31	1.07	195	0.011	<20	1.76	<0.01	0.09	<2	0.12	<1	<5	<5	
1319151	Soil				0.058	6	54	1.02	121	0.103	<20	1.44	0.01	0.08	<2	0.10	<1	<5	<5	
1319152	Soil				0.068	6	73	1.24	105	0.152	<20	1.78	<0.01	0.08	<2	0.06	<1	<5	<5	
1319153	Soil				0.065	5	75	1.33	87	0.171	<20	1.83	0.01	0.08	<2	<0.05	<1	<5	<5	
1319154	Soil				0.072	7	63	1.06	120	0.091	<20	1.51	0.01	0.08	<2	0.08	<1	<5	<5	
1319155	Soil				0.069	5	82	1.40	92	0.204	<20	2.03	<0.01	0.09	<2	<0.05	<1	<5	<5	
1319156	Soil				0.067	5	71	1.24	80	0.202	<20	1.90	<0.01	0.09	<2	<0.05	<1	<5	<5	
1319157	Soil				0.084	5	69	1.25	101	0.145	<20	1.81	<0.01	0.09	<2	<0.05	<1	<5	<5	
1319158	Soil				0.101	5	37	0.63	192	0.035	<20	1.13	0.02	0.06	<2	0.12	<1	<5	<5	
1319159	Soil				0.087	6	78	1.21	158	0.084	<20	2.10	<0.01	0.07	<2	<0.05	<1	<5	<5	
1319160	Soil				0.069	5	86	1.36	134	0.110	<20	2.04	<0.01	0.07	<2	<0.05	<1	<5	<5	
1319161	Soil				0.091	8	44	0.67	170	0.033	<20	1.27	0.01	0.05	<2	0.09	<1	<5	<5	
1319162	Soil				0.056	5	60	1.23	100	0.164	<20	1.71	<0.01	0.07	<2	<0.05	<1	<5	<5	
1319163	Soil				0.053	7	55	0.89	111	0.061	<20	1.66	<0.01	0.05	<2	<0.05	<1	<5	<5	
1319164	Soil				0.066	8	56	1.03	108	0.087	<20	1.52	<0.01	0.05	<2	<0.05	<1	<5	<5	
1319165	Soil				0.074	6	52	0.88	130	0.055	<20	1.44	<0.01	0.06	<2	0.05	<1	<5	<5	
1319166	Soil				0.062	7	61	1.02	179	0.068	<20	1.61	<0.01	0.05	<2	<0.05	<1	<5	<5	
1319167	Soil				0.057	5	55	0.92	95	0.065	<20	1.39	<0.01	0.06	<2	<0.05	<1	<5	<5	
1319168	Soil				0.058	8	71	1.08	170	0.099	<20	2.05	0.01	0.07	<2	<0.05	<1	<5	<5	
1319169	Soil				0.063	6	80	1.26	140	0.080	<20	1.81	<0.01	0.06	<2	<0.05	<1	<5	<5	
1319170	Soil				0.069	6	80	1.22	139	0.077	<20	1.76	<0.01	0.06	<2	<0.05	<1	<5	<5	
1319171	Soil				0.073	5	87	1.40	85	0.125	<20	1.69	<0.01	0.06	<2	<0.05	<1	<5	<5	



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	Method Analyte Unit MDL	FA330	FA330	FA330	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca
		ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01
1319172	Soil	9	5	4	2	349	5	114	<0.3	55	18	642	3.76	10	<2	36	0.9	<3	<3	70	1.04
1319173	Soil	7	5	15	2	921	5	87	0.3	49	17	635	3.16	10	<2	45	0.5	<3	<3	55	1.20
1319174	Soil	7	4	8	1	814	4	92	<0.3	52	17	737	2.79	6	<2	49	0.6	<3	<3	50	1.47
1319175	Soil	12	4	12	2	636	4	73	<0.3	45	17	632	3.28	11	<2	59	<0.5	<3	<3	56	1.78
1319176	Soil	14	<3	6	3	375	5	112	<0.3	53	22	730	3.58	12	<2	44	0.9	<3	<3	66	1.16
1318871	Soil	7	<3	<2	2	76	5	75	<0.3	43	15	603	2.77	9	<2	59	0.6	<3	<3	45	1.76



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	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1319172	Soil	0.055	5	89	1.39	102	0.138	<20	1.74	<0.01	0.07	<2	<0.05	<1	<5	<5	<5
1319173	Soil	0.070	6	62	0.98	133	0.077	<20	1.53	0.01	0.06	<2	0.06	<1	<5	<5	<5
1319174	Soil	0.056	5	51	0.87	120	0.078	<20	1.28	0.02	0.06	<2	0.06	<1	<5	<5	<5
1319175	Soil	0.065	6	64	1.00	110	0.081	<20	1.47	0.01	0.06	<2	0.07	<1	<5	<5	<5
1319176	Soil	0.072	5	66	1.05	123	0.093	<20	1.57	0.01	0.08	<2	<0.05	<1	<5	<5	<5
1318871	Soil	0.079	5	44	0.89	117	0.087	<20	1.25	0.01	0.09	<2	0.11	<1	<5	<5	<5



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	Method Analyte Unit MDL	FA330	FA330	FA330	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V
		ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1
Pulp Duplicates																				
1318837	Soil	5	<3	7	1	130	5	116	<0.3	84	22	857	3.50	12	<2	37	0.8	<3	<3	60
REP 1318837	QC				2	130	6	115	<0.3	83	21	869	3.48	12	<2	36	0.8	<3	<3	59
1318839	Soil	4	<3	2	1	34	8	80	<0.3	30	14	526	3.27	16	<2	47	<0.5	<3	<3	53
REP 1318839	QC	6	<3	4																
1318874	Soil	7	3	17	1	487	5	99	0.5	61	24	818	4.15	9	<2	40	<0.5	<3	<3	82
REP 1318874	QC	12	<3	22	1	452	4	94	0.7	62	24	786	4.01	8	<2	39	<0.5	<3	<3	83
1318926	Soil	10	<3	13	3	183	8	125	<0.3	48	26	990	3.12	25	<2	61	1.8	<3	<3	55
REP 1318926	QC				3	184	7	128	<0.3	48	26	922	3.19	23	<2	64	1.6	<3	<3	54
1318927	Soil	8	3	18	3	109	9	151	<0.3	64	28	877	4.33	24	2	34	1.6	<3	<3	68
REP 1318927	QC	8	4	17																
1318962	Soil	7	6	11	2	200	5	88	<0.3	64	22	714	3.47	16	<2	35	<0.5	<3	<3	66
REP 1318962	QC				2	205	5	89	<0.3	64	22	719	3.49	16	<2	36	0.5	<3	<3	65
1318965	Soil	7	<3	7	4	92	7	125	0.4	41	16	667	3.69	38	<2	41	<0.5	<3	<3	62
REP 1318965	QC	10	7	10																
1318991	Soil	9	9	20	2	224	4	85	0.7	48	23	718	4.42	39	<2	26	<0.5	<3	<3	91
REP 1318991	QC	20	7	21																
1318998	Soil	5	<3	9	2	102	6	103	<0.3	66	17	595	3.31	16	<2	42	0.6	<3	<3	52
REP 1318998	QC				2	100	5	101	<0.3	65	17	598	3.32	16	<2	41	0.6	<3	<3	51
1319005	Soil	8	<3	38	1	90	5	73	<0.3	123	16	472	3.37	12	<2	37	<0.5	<3	<3	55
REP 1319005	QC	I.S.	I.S.	I.S.																
1319031	Soil	11	<3	10	9	75	9	244	0.7	52	13	711	3.66	25	<2	33	1.9	<3	<3	54
REP 1319031	QC	13	<3	8																
1319034	Soil	7	<3	7	5	79	10	157	0.4	43	17	839	3.08	20	<2	47	4.0	<3	<3	42
REP 1319034	QC				5	80	10	158	0.5	44	17	847	3.06	20	<2	48	4.1	<3	<3	43
1319066	Soil	5	3	5	2	60	3	161	<0.3	36	13	614	3.20	13	3	45	1.0	<3	<3	52
REP 1319066	QC	5	<3	9																
1319070	Soil	6	4	7	1	90	6	98	<0.3	50	17	713	3.82	14	4	39	<0.5	<3	<3	67
REP 1319070	QC				2	92	5	100	<0.3	51	17	741	3.93	15	4	41	<0.5	<3	<3	69



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Method Analyte Unit MDL		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
Pulp Duplicates																	
1318837	Soil	0.070	7	85	1.26	136	0.070	<20	1.54	<0.01	0.08	<2	<0.05	<1	<5	<5	<5
REP 1318837	QC	0.069	7	84	1.27	134	0.066	<20	1.53	<0.01	0.08	<2	<0.05	<1	<5	<5	<5
1318839	Soil	0.095	6	42	0.86	124	0.053	<20	1.61	0.01	0.11	<2	0.08	<1	<5	<5	<5
REP 1318839	QC																
1318874	Soil	0.081	7	100	1.56	119	0.156	<20	2.07	0.01	0.10	<2	<0.05	<1	<5	<5	6
REP 1318874	QC	0.081	7	102	1.52	111	0.156	<20	1.99	0.01	0.10	<2	<0.05	<1	<5	<5	6
1318926	Soil	0.131	9	49	1.03	231	0.030	<20	1.33	0.01	0.10	<2	0.15	<1	<5	<5	<5
REP 1318926	QC	0.134	9	45	0.98	234	0.030	<20	1.39	0.01	0.10	<2	0.15	<1	<5	<5	<5
1318927	Soil	0.069	8	80	1.29	105	0.117	<20	1.87	<0.01	0.10	<2	<0.05	<1	<5	<5	6
REP 1318927	QC																
1318962	Soil	0.070	6	76	1.23	149	0.074	<20	1.59	<0.01	0.07	<2	0.07	<1	<5	<5	<5
REP 1318962	QC	0.072	6	75	1.23	153	0.066	<20	1.58	<0.01	0.06	<2	0.07	<1	<5	<5	<5
1318965	Soil	0.080	10	55	1.03	204	0.030	<20	1.82	<0.01	0.05	<2	0.08	<1	<5	5	<5
REP 1318965	QC																
1318991	Soil	0.050	5	80	1.56	80	0.163	<20	2.04	<0.01	0.09	<2	<0.05	<1	<5	<5	<5
REP 1318991	QC																
1318998	Soil	0.064	7	63	1.12	132	0.066	<20	1.40	<0.01	0.07	<2	0.06	<1	<5	<5	<5
REP 1318998	QC	0.064	7	61	1.12	124	0.067	<20	1.38	<0.01	0.07	<2	0.06	<1	<5	<5	<5
1319005	Soil	0.046	7	68	1.11	146	0.098	<20	1.61	0.01	0.08	<2	<0.05	<1	<5	<5	<5
REP 1319005	QC																
1319031	Soil	0.087	12	51	0.85	263	0.017	<20	1.30	<0.01	0.08	<2	0.08	<1	<5	<5	<5
REP 1319031	QC																
1319034	Soil	0.111	10	37	0.78	348	0.022	<20	1.26	<0.01	0.10	<2	0.14	<1	<5	<5	<5
REP 1319034	QC	0.111	11	40	0.79	351	0.023	<20	1.27	<0.01	0.10	<2	0.14	<1	<5	<5	<5
1319066	Soil	0.086	9	38	0.87	94	0.085	<20	1.54	<0.01	0.08	<2	0.05	<1	<5	<5	<5
REP 1319066	QC																
1319070	Soil	0.089	9	52	1.11	92	0.159	<20	1.88	0.01	0.11	<2	<0.05	<1	<5	<5	6
REP 1319070	QC	0.090	9	52	1.10	95	0.170	<20	1.96	0.01	0.11	<2	<0.05	<1	<5	<5	6



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		FA330 Au ppb 2	FA330 Pt ppb 3	FA330 Pd ppb 2	AQ300 Mo ppm 1	AQ300 Cu ppm 1	AQ300 Pb ppm 3	AQ300 Zn ppm 1	AQ300 Ag ppm 0.3	AQ300 Ni ppm 1	AQ300 Co ppm 1	AQ300 Mn ppm 2	AQ300 Fe % 0.01	AQ300 As ppm 2	AQ300 Th ppm 2	AQ300 Sr ppm 1	AQ300 Cd ppm 0.5	AQ300 Sb ppm 3	AQ300 Bi ppm 3	AQ300 V ppm 1	AQ300 Ca % 0.01
1319096	Soil	8	4	11	<1	99	4	86	<0.3	70	19	615	3.74	4	4	29	<0.5	<3	<3	82	0.76
REP 1319096	QC	6	3	10																	
1319106	Soil	12	<3	9	7	123	10	284	0.7	64	19	979	4.19	36	2	45	2.1	4	<3	49	0.83
REP 1319106	QC				7	121	10	278	0.7	63	18	985	4.21	35	2	46	2.0	<3	<3	49	0.82
1319114	Soil	22	3	13	10	99	22	339	0.8	44	21	1033	4.67	66	4	113	2.9	<3	<3	44	0.08
REP 1319114	QC	23	<3	7																	
1319168	Soil	10	5	5	2	354	5	120	<0.3	54	20	666	3.73	11	<2	39	0.7	<3	<3	72	0.97
REP 1319168	QC				2	344	4	116	<0.3	53	20	638	3.64	11	<2	36	0.8	<3	<3	68	0.91
1319169	Soil	7	<3	7	2	579	4	96	<0.3	60	20	578	3.64	12	<2	32	<0.5	<3	<3	63	0.77
REP 1319169	QC	6	5	6																	
Reference Materials																					
STD DS11	Standard				13	142	125	331	1.6	71	12	965	2.98	41	7	61	2.2	8	10	46	1.00
STD DS11	Standard				15	156	139	371	1.8	79	14	1103	3.28	48	8	72	2.4	7	14	53	1.15
STD DS11	Standard				15	155	138	363	1.6	77	14	1082	3.28	47	8	70	2.3	7	13	51	1.13
STD DS11	Standard				14	142	130	338	1.7	74	13	1012	3.01	43	6	64	2.2	8	13	49	1.04
STD DS11	Standard				15	152	132	348	1.6	79	13	1015	3.19	43	9	68	2.1	7	11	51	1.07
STD DS11	Standard				14	148	128	338	1.5	77	12	1014	3.14	43	9	68	2.2	7	10	49	1.05
STD DS11	Standard				14	142	134	334	2.0	75	12	988	2.94	46	9	64	2.2	8	11	49	1.02
STD DS11	Standard				13	140	127	329	2.1	71	12	970	2.91	41	8	61	2.2	6	10	46	0.98
STD DS11	Standard				14	142	126	332	1.6	71	12	984	2.96	40	7	62	2.3	8	12	46	1.01
STD OREAS45EA	Standard				3	674	14	29	0.5	363	46	393	21.23	11	10	3	<0.5	<3	<3	293	0.03
STD OREAS45EA	Standard				3	760	12	33	0.4	410	53	437	25.69	13	10	4	<0.5	<3	<3	328	0.03
STD OREAS45EA	Standard				2	727	11	31	0.4	388	50	420	24.71	13	10	4	<0.5	<3	<3	314	0.03
STD OREAS45EA	Standard				3	679	12	30	0.3	365	49	401	22.72	12	9	3	0.7	<3	<3	299	0.03
STD OREAS45EA	Standard				2	740	15	35	<0.3	417	53	418	22.87	4	12	4	<0.5	<3	<3	328	0.04
STD OREAS45EA	Standard				2	729	12	35	<0.3	410	52	418	22.74	5	12	4	<0.5	<3	<3	317	0.04
STD OREAS45EA	Standard				3	723	10	30	0.4	385	48	413	24.47	13	11	3	0.6	<3	<3	309	0.03
STD OREAS45EA	Standard				3	705	12	29	0.3	371	48	406	22.49	12	8	3	<0.5	<3	<3	309	0.03
STD OREAS45EA	Standard				2	664	11	29	0.5	348	46	385	21.40	12	8	3	1.2	<3	<3	283	0.03



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Longford Exploration Services Ltd.
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1 Canada

Project: 2018-Ellen
Report Date: January 24, 2019

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		AQ300 P %	AQ300 La ppm	AQ300 Cr ppm	AQ300 Mg %	AQ300 Ba ppm	AQ300 Ti %	AQ300 B ppm	AQ300 Al %	AQ300 Na %	AQ300 K %	AQ300 W ppm	AQ300 S %	AQ300 Hg ppm	AQ300 Tl ppm	AQ300 Ga ppm	AQ300 Sc ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1319096	Soil	0.071	5	96	1.57	78	0.210	<20	2.00	<0.01	0.08	<2	<0.05	<1	<5	<5	<5
REP 1319096	QC																
1319106	Soil	0.063	14	42	0.85	177	0.022	<20	1.24	<0.01	0.05	<2	0.12	<1	<5	<5	<5
REP 1319106	QC	0.062	13	42	0.85	176	0.022	<20	1.26	<0.01	0.05	<2	0.11	<1	<5	<5	<5
1319114	Soil	0.077	34	12	0.49	345	<0.001	<20	1.25	0.03	0.09	<2	0.23	<1	<5	<5	8
REP 1319114	QC																
1319168	Soil	0.058	8	71	1.08	170	0.099	<20	2.05	0.01	0.07	<2	<0.05	<1	<5	<5	<5
REP 1319168	QC	0.057	7	69	1.04	163	0.081	<20	1.90	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
1319169	Soil	0.063	6	80	1.26	140	0.080	<20	1.81	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
REP 1319169	QC																
Reference Materials																	
STD DS11	Standard	0.065	15	57	0.81	366	0.084	<20	1.07	0.07	0.38	3	0.27	<1	6	<5	<5
STD DS11	Standard	0.073	19	69	0.92	437	0.104	<20	1.27	0.08	0.43	3	0.29	<1	5	<5	<5
STD DS11	Standard	0.071	18	66	0.91	424	0.097	<20	1.22	0.08	0.42	3	0.29	<1	6	<5	<5
STD DS11	Standard	0.070	16	60	0.84	394	0.088	<20	1.11	0.07	0.39	3	0.27	<1	6	<5	<5
STD DS11	Standard	0.071	19	59	0.84	388	0.095	<20	1.16	0.07	0.41	3	0.28	<1	5	6	<5
STD DS11	Standard	0.070	18	58	0.82	381	0.095	<20	1.17	0.07	0.41	2	0.28	<1	<5	<5	<5
STD DS11	Standard	0.068	18	65	0.82	386	0.094	<20	1.13	0.07	0.42	3	0.26	<1	5	<5	<5
STD DS11	Standard	0.064	16	57	0.81	379	0.087	<20	1.07	0.07	0.38	3	0.26	<1	6	<5	<5
STD DS11	Standard	0.065	16	57	0.83	366	0.087	<20	1.08	0.07	0.38	3	0.26	<1	5	<5	<5
STD OREAS45EA	Standard	0.029	7	920	0.09	145	0.096	<20	3.32	0.02	0.06	<2	<0.05	<1	<5	<5	83
STD OREAS45EA	Standard	0.033	8	1002	0.11	163	0.111	<20	3.88	0.02	0.06	<2	<0.05	<1	<5	8	94
STD OREAS45EA	Standard	0.031	8	960	0.10	151	0.110	<20	3.64	0.02	0.06	<2	<0.05	<1	<5	<5	87
STD OREAS45EA	Standard	0.030	7	909	0.10	147	0.096	<20	3.25	0.02	0.06	<2	<0.05	<1	<5	10	82
STD OREAS45EA	Standard	0.032	8	943	0.10	153	0.105	24	3.56	0.02	0.06	<2	<0.05	<1	<5	21	88
STD OREAS45EA	Standard	0.032	8	923	0.10	152	0.108	20	3.65	0.02	0.06	<2	<0.05	<1	<5	18	88
STD OREAS45EA	Standard	0.030	8	965	0.10	151	0.108	<20	3.67	0.02	0.06	<2	<0.05	<1	<5	<5	88
STD OREAS45EA	Standard	0.030	7	949	0.10	150	0.099	<20	3.28	0.02	0.06	<2	<0.05	<1	<5	19	85
STD OREAS45EA	Standard	0.028	7	862	0.09	139	0.092	<20	3.18	0.02	0.06	<2	<0.05	<1	<5	16	79



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		FA330	FA330	FA330	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	
		Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca
		ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01
STD PD05	Standard	519	440	625																	
STD PD05	Standard	513	424	613																	
STD PD05	Standard	521	439	623																	
STD PD05	Standard	494	423	601																	
STD PD05	Standard	507	434	615																	
STD PD05	Standard	488	427	605																	
STD PD05	Standard	505	426	608																	
STD PD05	Standard	504	426	611																	
STD PD05	Standard	501	429	609																	
STD PD05	Standard	534	447	634																	
STD PG04	Standard	973	918	1233																	
STD PG04	Standard	999	936	1233																	
STD PG04	Standard	998	920	1241																	
STD PG04	Standard	990	940	1254																	
STD PG04	Standard	1009	953	1269																	
STD PG04	Standard	955	898	1221																	
STD PG04	Standard	950	891	1199																	
STD PG04	Standard	1005	950	1264																	
STD OREAS45EA Expected					1.6	709	14.3	31.4	0.26	381	52	400	22.65	11	10.7	4.05				303	0.036
STD DS11 Expected					13.9	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	7.65	67.3	2.37	7.2	12.2	50	1.063
STD PG04 Expected		1004	903	1196																	
STD PD05 Expected		519	430	596																	
BLK	Blank				<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank				<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank				<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank				<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank				<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank				<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank				<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01



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		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
STD PD05	Standard																
STD PD05	Standard																
STD PD05	Standard																
STD PD05	Standard																
STD PD05	Standard																
STD PD05	Standard																
STD PD05	Standard																
STD PD05	Standard																
STD PD05	Standard																
STD PD05	Standard																
STD PD05	Standard																
STD PG04	Standard																
STD PG04	Standard																
STD PG04	Standard																
STD PG04	Standard																
STD PG04	Standard																
STD PG04	Standard																
STD PG04	Standard																
STD PG04	Standard																
STD PG04	Standard																
STD ORAS45EA Expected		0.029	7.06	849	0.095	148	0.0984		3.32	0.02	0.053		0.036			12.4	78
STD DS11 Expected		0.0701	18.6	61.5	0.85	417	0.0976	6	1.129	0.0694	0.4	2.9	0.2835	0.3	4.9	4.7	3.1
STD PG04 Expected																	
STD PD05 Expected																	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5



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		FA330	FA330	FA330	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V
		ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1
BLK	Blank				<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1
BLK	Blank				<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1
BLK	Blank	2	<3	3																
BLK	Blank	<2	<3	<2																
BLK	Blank	2	<3	<2																
BLK	Blank	2	3	<2																
BLK	Blank	3	<3	<2																
BLK	Blank	3	<3	<2																
BLK	Blank	3	<3	3																
BLK	Blank	3	<3	<2																
BLK	Blank	3	<3	<2																
BLK	Blank	3	4	<2																
BLK	Blank	3	<3	3																
BLK	Blank	3	<3	2																
BLK	Blank	2	<3	<2																
BLK	Blank	2	<3	<2																
BLK	Blank	3	<3	<2																
BLK	Blank	3	<3	<2																
BLK	Blank	3	<3	2																
BLK	Blank	4	<3	5																
BLK	Blank	3	<3	<2																



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