



**Certificate of Analysis**  
**Work Order : VC172687**  
**[Report File No.: 0000024801]**

**Date:** September 20, 2017

**To: KENDRA JOHNSTON**  
INVOICE PAYMENT APPROVER  
**INDEPENDENCE GOLD CORP.**  
1020-625 HOWE STREET  
VANCOUVER BC V6C 2T6

**P.O. No.:** BLVD-90403-05 / YK17\_BLVD\_SS1,SS4  
**Project No.:** YK17\_BLVD\_SS1,SS2,SS  
**Samples:** 76  
**Received:** Aug 22, 2017  
**Pages:** Page 1 to 16  
(Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
76	G_LOG02	Pre-preparation processing, sorting, logging, boxing
76	G_WGH79	Weighing of samples and reporting of weights
76	GE_FAA313	@Au, FAS, AAS, 30g-5ml(Final Mode)
76	GE_IMS14B	Aqua Regia digestion/ICP-MS package

**Storage: Pulp & Reject**

REJECT STORAGE : DISPOSE AFTER 30 DAYS  
PULP STORAGE : DISPOSE AFTER 90 DAYS

Certified By : \_\_\_\_\_

John Chiang  
QC Chemist

**SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>**

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result

\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method Det.Lim. Units	WtKg G_WGH79 0.01 kg	@Au GE_FAA313 5 ppb	Ag GE_IMS14B 0.01 ppm	Al GE_IMS14B 0.01 %	As GE_IMS14B 1 ppm	Ba GE_IMS14B 5 ppm	Bi GE_IMS14B 0.02 ppm	Ca GE_IMS14B 0.01 %
D00019076	0.665	<5	0.22	2.97	11	623	0.21	0.37
D00019077	0.380	<5	0.10	2.42	19	364	0.13	0.36
D00019078	0.730	<5	0.06	1.85	6	244	0.09	0.29
D00019079	0.355	12	0.10	1.60	46	276	0.10	0.52
D00019080	0.555	<5	0.02	1.43	28	149	0.04	0.38
D00019081	0.415	<5	0.02	3.29	10	531	0.03	0.77
D00019082	0.485	<5	0.07	2.53	5	331	0.09	0.31
D00019083	0.280	<5	0.10	1.84	5	254	0.12	0.20
D00019084	0.230	<5	0.11	1.05	5	235	0.12	0.17
D00019085	0.220	<5	0.07	1.05	4	128	0.10	0.24
D00019086	0.370	<5	0.09	2.13	6	204	0.11	0.37
D00019087	0.580	<5	0.14	2.39	5	249	0.19	0.34
D00019088	0.355	<5	0.11	2.08	3	157	0.11	0.34
D00019089	0.375	<5	0.18	1.54	7	222	0.28	0.63
D00019090	0.435	<5	0.10	1.71	8	198	0.21	0.54
D00019091	0.330	<5	0.46	1.95	8	235	0.25	0.95
D00019092	0.300	<5	0.25	1.85	5	339	0.16	0.60
D00019093	0.415	<5	0.27	1.98	4	233	0.15	0.31
D00019094	0.405	10	0.45	2.72	4	327	0.25	0.36
D00019095	0.345	<5	0.23	2.26	4	237	0.28	1.29
D00019096	0.305	<5	0.11	1.11	5	171	0.36	3.15
D00019097	0.155	<5	0.07	1.58	4	277	0.12	3.05
D00019098	0.285	<5	0.14	1.98	5	301	0.18	0.49
D00019099	0.450	6	0.21	2.65	3	305	0.59	0.81
D00019100	0.270	<5	0.11	1.73	5	144	0.12	0.34
D00019101	0.220	<5	0.32	0.91	4	218	0.14	0.15
D00019102	0.540	<5	0.11	2.66	5	366	0.10	0.39
D00019103	0.445	<5	0.16	2.32	7	360	0.11	0.31
D00019104	0.260	<5	0.17	2.18	5	133	0.13	0.35
D00019105	0.550	<5	0.17	2.22	6	263	0.19	0.32
D00019106	0.485	<5	0.11	2.22	5	262	0.18	0.36
D00019107	0.340	<5	0.09	2.11	5	278	0.21	0.26
D00019108	0.230	<5	0.36	1.19	4	304	0.13	0.36
D00019109	0.380	<5	0.39	2.56	7	282	0.16	0.42
D00019110	0.520	<5	0.22	2.74	7	266	0.15	0.38
D00019111	0.470	<5	0.31	2.85	8	277	0.16	0.38
D00019112	0.315	<5	0.10	2.23	4	225	0.11	0.33
D00019113	0.290	<5	0.10	2.00	4	153	0.10	0.31
D00019114	0.275	<5	0.10	1.92	3	235	0.10	0.27
D00019115	0.260	<5	0.17	1.62	3	163	0.12	0.24

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Element Method Det.Lim. Units	WtKg G_WGH79 0.01 kg	@Au GE_FAA313 5 ppb	Ag GE_IMS14B 0.01 ppm	Al GE_IMS14B 0.01 %	As GE_IMS14B 1 ppm	Ba GE_IMS14B 5 ppm	Bi GE_IMS14B 0.02 ppm	Ca GE_IMS14B 0.01 %
D00019116	0.325	<5	0.20	0.52	<1	36	0.10	0.06
D00019117	0.395	<5	0.14	1.97	4	136	0.21	0.23
D00019118	0.505	<5	0.11	1.80	2	133	0.20	0.27
D00019119	0.405	5	0.15	1.28	3	108	0.12	0.19
D00019120	0.285	<5	0.22	2.36	5	425	0.16	0.30
D00019121	0.345	<5	0.24	1.83	6	290	0.12	0.22
D00019122	0.415	10	0.34	2.13	3	380	0.16	0.22
D00019123	0.265	<5	0.35	1.66	3	356	0.08	0.25
D00019124	0.350	6	0.46	2.78	4	923	0.51	2.00
D00019125	0.405	<5	0.22	1.65	6	398	0.32	2.27
D00019126	0.465	<5	0.19	2.92	4	477	0.41	1.90
D00019127	0.365	<5	0.16	1.63	5	470	0.26	2.43
D00019128	0.350	<5	0.10	3.25	<1	434	0.12	0.33
D00019129	0.365	<5	0.24	2.15	23	233	0.12	0.76
D00019130	0.505	<5	0.13	1.37	2	61	0.13	0.22
D00019131	0.530	<5	0.11	1.81	5	264	0.11	0.64
D00019132	0.445	<5	0.05	1.98	13	207	0.21	0.57
D00019133	0.455	6	0.21	2.20	16	335	0.23	0.45
D00019134	0.400	<5	0.14	1.95	9	241	0.23	0.46
D00019135	0.450	<5	0.25	2.39	17	158	0.23	0.56
D00019136	0.370	<5	0.14	1.90	7	209	0.22	0.41
D00019137	0.405	6	0.78	1.59	5	497	0.12	1.13
D00019138	0.305	<5	0.48	1.66	6	367	0.15	1.03
D00019139	0.740	<5	0.38	1.86	7	377	0.16	0.69
D00019140	0.545	<5	0.45	1.58	10	317	0.16	0.49
D00019141	0.385	<5	0.47	1.60	10	341	0.16	0.48
D00019142	0.395	<5	0.13	1.88	3	125	0.16	0.45
D00019143	0.380	6	0.09	1.86	5	130	0.14	0.61
D00019144	0.330	<5	0.10	0.60	2	46	0.10	0.08
D00019145	0.365	<5	0.13	0.55	1	42	0.09	0.09
D00019146	0.505	<5	0.07	2.98	8	118	0.27	0.23
D00019147	0.620	<5	0.03	1.91	3	176	0.10	0.50
D00019148	0.600	<5	0.09	2.37	8	266	0.21	0.66
D00019149	0.360	<5	0.09	1.42	5	109	0.12	0.28
D00019150	0.320	<5	0.06	0.42	3	42	0.11	0.11
D00019151	0.585	8	0.06	1.99	5	195	0.12	0.46
*Rep D00019077		<5						
*Rep D00019117		<5						
*Rep D00019150		<5						
*Std AMIS0282		192						

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Element Method Det.Lim. Units	@Au GE_FAA313 5 ppb	Ag GE_IMS14B 0.01 ppm	Al GE_IMS14B 0.01 %	As GE_IMS14B 1 ppm	Ba GE_IMS14B 5 ppm	Bi GE_IMS14B 0.02 ppm	Ca GE_IMS14B 0.01 %
*Std OXN117	7800						
*Std OREAS251	470						
*Blk BLANK	<5						
*Blk BLANK	<5						
*Rep D00019081		0.02	3.07	11	531	0.03	0.74
*Rep D00019101		0.36	0.96	6	222	0.13	0.14
*Rep D00019119		0.17	1.25	4	107	0.12	0.20
*Rep D00019128		0.10	3.39	1	437	0.12	0.32
*Std OREAS209		0.26	1.10	1080	69	0.06	1.43
*Std OREAS151B		0.54	2.49	29	67	0.39	1.36
*Blk BLANK		<0.01	<0.01	<1	<5	<0.02	<0.01
*Blk BLANK		<0.01	<0.01	<1	<5	<0.02	<0.01
*Std OREAS151B		0.52	2.35	33	68	0.39	1.30

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Element Method Det.Lim. Units	Cd	Ce	Co	Cr	Cu	Fe	Ga	Hg
	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B
	0.01	0.05	0.1	1	0.5	0.01	0.1	0.01
	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
D00019076	0.33	24.5	10.9	90	49.9	3.80	8.8	0.01
D00019077	0.13	22.0	11.5	61	29.6	3.72	8.4	0.01
D00019078	0.06	10.8	17.2	66	55.1	2.40	4.3	<0.01
D00019079	0.10	17.0	12.7	48	59.8	2.38	4.4	<0.01
D00019080	0.08	9.84	14.4	83	122	2.15	3.6	<0.01
D00019081	0.16	19.5	26.2	54	44.4	4.49	7.5	<0.01
D00019082	0.08	14.3	15.2	28	29.1	3.85	7.1	<0.01
D00019083	0.07	12.1	8.5	22	22.2	2.72	7.2	0.04
D00019084	0.11	6.88	5.4	27	16.9	2.17	5.8	0.03
D00019085	0.14	5.60	8.5	24	15.3	2.13	5.1	0.03
D00019086	0.09	13.7	15.4	48	23.6	3.22	6.9	0.01
D00019087	0.09	14.1	17.5	37	28.8	3.34	7.1	0.01
D00019088	0.10	13.6	11.5	35	30.2	2.97	6.3	0.05
D00019089	0.32	27.7	10.5	35	34.8	2.57	4.9	0.03
D00019090	0.21	20.0	10.4	38	26.4	2.70	5.4	0.02
D00019091	0.34	27.1	12.6	37	98.8	3.60	6.6	0.06
D00019092	1.00	18.1	15.5	24	39.2	3.07	6.9	0.06
D00019093	0.17	15.9	9.4	28	55.6	3.02	6.3	0.03
D00019094	0.10	12.6	12.1	31	54.0	3.73	7.8	0.04
D00019095	0.15	10.7	14.7	50	70.2	3.34	7.0	0.03
D00019096	0.31	8.35	8.2	32	55.4	1.61	2.9	0.03
D00019097	0.47	14.5	9.9	40	46.2	2.22	3.8	0.07
D00019098	0.24	9.18	13.0	44	39.5	3.37	6.8	0.02
D00019099	0.28	12.0	18.4	60	87.7	3.65	7.6	0.01
D00019100	0.14	6.17	9.1	45	36.2	2.95	7.1	<0.01
D00019101	0.40	34.4	5.1	18	23.2	1.73	4.4	0.02
D00019102	0.10	21.2	14.2	125	32.1	3.55	9.9	<0.01
D00019103	0.10	14.3	12.9	135	27.8	3.29	7.6	<0.01
D00019104	0.22	5.89	11.9	27	66.6	3.59	7.7	0.02
D00019105	0.18	26.6	11.5	52	25.9	3.22	7.0	0.02
D00019106	0.17	25.4	13.2	53	25.6	3.32	7.1	0.02
D00019107	0.17	26.3	9.9	59	31.7	3.14	7.7	0.02
D00019108	0.39	25.9	5.0	27	27.8	1.66	4.7	0.05
D00019109	0.33	33.7	13.3	60	51.7	3.74	8.5	0.03
D00019110	0.20	26.5	14.1	67	48.8	3.72	8.6	<0.01
D00019111	0.23	28.7	12.9	64	48.2	3.80	8.8	0.02
D00019112	0.08	15.1	10.0	27	23.3	2.53	6.7	0.04
D00019113	0.10	11.7	10.4	57	24.3	2.66	6.1	0.04
D00019114	0.08	10.3	10.6	38	24.7	2.51	6.5	0.04
D00019115	0.12	11.3	8.1	37	25.7	2.22	5.9	0.05

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Element Method Det.Lim. Units	Cd	Ce	Co	Cr	Cu	Fe	Ga	Hg
	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B
	0.01	0.05	0.1	1	0.5	0.01	0.1	0.01
	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
D00019116	0.03	3.52	2.6	13	11.5	1.07	3.1	0.01
D00019117	0.08	11.9	9.6	40	28.5	2.91	7.5	0.05
D00019118	0.08	11.6	7.7	40	22.4	2.52	7.2	0.03
D00019119	0.19	15.3	4.2	22	25.6	1.68	5.4	0.04
D00019120	0.27	20.1	11.7	31	32.7	3.28	8.8	0.04
D00019121	0.17	14.6	10.1	26	29.1	2.69	6.5	0.04
D00019122	0.19	11.9	7.9	29	42.2	3.30	6.8	0.05
D00019123	0.21	9.63	10.1	32	61.0	2.62	5.7	0.07
D00019124	1.01	20.4	16.5	56	125	3.01	6.6	0.05
D00019125	0.37	14.9	11.3	44	73.5	2.20	4.1	0.05
D00019126	0.30	12.8	17.6	69	75.7	3.85	7.4	0.03
D00019127	0.36	11.4	10.5	46	60.9	2.45	4.4	0.04
D00019128	0.06	7.96	21.0	131	127	4.80	9.6	<0.01
D00019129	0.37	78.9	18.5	83	35.4	3.48	7.9	0.04
D00019130	0.10	5.47	13.7	46	52.9	2.48	5.9	0.02
D00019131	0.10	20.8	11.3	84	21.7	2.70	5.7	0.02
D00019132	0.24	29.9	15.0	44	25.5	3.07	6.1	0.02
D00019133	0.25	35.7	15.7	53	27.7	3.22	7.2	0.02
D00019134	0.21	32.5	8.8	40	21.8	2.70	6.2	0.03
D00019135	0.23	68.3	19.5	46	31.2	3.69	8.8	0.07
D00019136	0.22	33.0	7.5	47	24.6	2.01	6.8	0.05
D00019137	0.50	23.4	8.6	41	47.3	2.34	5.7	0.06
D00019138	0.45	21.4	10.0	44	35.6	2.60	5.8	0.04
D00019139	0.53	28.6	13.1	54	38.3	3.11	6.5	0.03
D00019140	0.71	28.4	12.2	38	46.8	2.98	5.4	0.04
D00019141	0.72	24.4	11.2	39	34.8	2.72	5.7	0.05
D00019142	0.13	17.0	8.8	42	15.9	2.47	7.2	0.04
D00019143	0.12	18.8	11.9	41	16.6	2.70	6.2	0.03
D00019144	0.06	5.49	2.2	13	10.7	1.19	3.6	0.03
D00019145	0.07	17.6	1.8	10	7.1	0.78	2.8	0.02
D00019146	0.20	48.3	10.1	38	18.9	3.44	7.3	0.03
D00019147	0.10	30.4	8.6	31	17.9	2.84	5.9	<0.01
D00019148	0.16	46.4	12.3	35	24.4	3.66	7.3	0.07
D00019149	0.46	22.0	6.9	21	16.9	2.24	5.3	0.06
D00019150	0.57	5.06	2.8	12	11.2	1.15	2.9	0.05
D00019151	0.17	36.5	11.8	31	23.3	3.36	6.7	0.02

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Element Method Det.Lim. Units	Cd GE_IMS14B 0.01 ppm	Ce GE_IMS14B 0.05 ppm	Co GE_IMS14B 0.1 ppm	Cr GE_IMS14B 1 ppm	Cu GE_IMS14B 0.5 ppm	Fe GE_IMS14B 0.01 %	Ga GE_IMS14B 0.1 ppm	Hg GE_IMS14B 0.01 ppm
*Rep D00019081	0.16	19.3	25.2	50	43.9	4.23	7.0	<0.01
*Rep D00019101	0.42	35.5	5.0	18	23.2	1.75	4.5	0.04
*Rep D00019119	0.18	14.8	4.0	23	24.8	1.71	5.5	0.03
*Rep D00019128	0.07	7.95	20.6	129	129	4.85	9.8	<0.01
*Std OREAS209	0.08	27.7	27.3	40	68.5	6.17	3.7	0.01
*Std OREAS151B	0.58	15.9	10.7	28	1870	3.30	7.1	<0.01
*Blk BLANK	<0.01	<0.05	<0.1	<1	<0.5	<0.01	<0.1	<0.01
*Blk BLANK	<0.01	<0.05	<0.1	<1	<0.5	<0.01	<0.1	<0.01
*Std OREAS151B	0.54	16.6	11.4	24	1780	3.32	7.3	0.01

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Element Method Det.Lim. Units	K	La	Mg	Mn	Mo	Na	Ni	P
	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B
	0.01	0.1	0.01	2	0.05	0.01	0.5	50
	%	ppm	%	ppm	ppm	%	ppm	ppm
D00019076	0.28	11.3	1.23	285	2.58	0.02	48.6	700
D00019077	0.61	7.7	1.03	361	1.51	0.02	33.5	460
D00019078	0.07	4.3	0.84	307	0.82	0.02	63.2	170
D00019079	0.12	10.2	0.79	414	0.69	0.03	53.3	390
D00019080	0.15	4.7	0.99	382	0.74	0.03	42.0	520
D00019081	1.20	7.9	2.58	581	0.61	0.03	27.1	1690
D00019082	0.34	7.2	1.33	402	1.28	0.03	15.4	630
D00019083	0.13	6.4	0.83	176	1.27	0.03	12.4	390
D00019084	0.08	3.7	0.40	193	1.42	0.03	9.9	420
D00019085	0.11	2.7	0.51	473	1.29	0.02	10.7	290
D00019086	0.20	7.3	1.27	413	1.11	0.03	18.6	630
D00019087	0.16	7.6	1.29	478	1.38	0.03	17.4	670
D00019088	0.13	7.7	1.09	325	1.13	0.03	16.2	700
D00019089	0.19	14.2	0.77	453	1.04	0.05	19.3	930
D00019090	0.19	9.9	0.85	338	0.94	0.04	20.2	800
D00019091	0.21	16.3	0.92	336	2.06	0.04	21.3	440
D00019092	0.18	8.1	0.61	1920	1.38	0.04	15.7	400
D00019093	0.17	8.0	0.87	262	2.35	0.04	13.5	550
D00019094	0.41	6.4	1.31	411	1.59	0.06	14.4	550
D00019095	0.17	5.2	1.47	406	0.74	0.05	26.6	830
D00019096	0.06	4.3	0.64	340	0.54	0.03	19.9	690
D00019097	0.11	7.5	0.55	490	0.75	0.03	22.1	620
D00019098	0.31	4.6	0.94	890	1.22	0.04	22.0	560
D00019099	0.23	5.1	1.42	418	1.16	0.05	31.0	580
D00019100	0.19	3.2	0.92	258	1.61	0.03	20.4	380
D00019101	0.09	13.9	0.23	990	0.96	0.03	12.5	420
D00019102	0.63	10.8	1.75	371	0.97	0.03	47.1	1020
D00019103	0.29	6.9	1.33	290	0.97	0.02	48.9	180
D00019104	0.04	2.8	0.76	323	1.07	0.03	22.0	300
D00019105	0.20	13.8	0.85	244	1.05	0.02	29.8	680
D00019106	0.23	13.4	0.90	282	1.29	0.03	30.8	760
D00019107	0.27	14.0	0.83	271	1.20	0.02	34.0	530
D00019108	0.08	14.6	0.28	174	1.02	0.03	15.4	800
D00019109	0.26	19.9	0.89	336	1.64	0.03	41.1	780
D00019110	0.34	15.8	0.99	342	1.47	0.03	41.4	700
D00019111	0.31	16.8	0.94	325	1.51	0.03	41.4	720
D00019112	0.15	8.5	0.98	197	1.13	0.03	12.6	570
D00019113	0.20	6.7	1.08	236	1.29	0.03	21.9	610
D00019114	0.25	5.7	0.99	251	0.84	0.03	14.2	610
D00019115	0.14	6.2	0.75	180	0.73	0.03	12.2	600

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Element Method Det.Lim. Units	K	La	Mg	Mn	Mo	Na	Ni	P
	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B
	0.01	0.1	0.01	2	0.05	0.01	0.5	50
	%	ppm	%	ppm	ppm	%	ppm	ppm
D00019116	0.03	1.8	0.18	61	0.65	0.02	4.8	250
D00019117	0.16	6.5	0.91	281	0.89	0.03	15.0	460
D00019118	0.13	6.4	0.84	188	0.68	0.03	14.1	520
D00019119	0.06	8.2	0.38	104	0.44	0.02	9.1	510
D00019120	0.18	10.5	0.93	377	1.15	0.03	14.8	560
D00019121	0.20	7.8	0.86	360	0.90	0.03	10.2	560
D00019122	0.32	6.1	0.96	258	3.43	0.04	10.5	610
D00019123	0.20	4.8	0.85	247	1.08	0.03	14.3	800
D00019124	0.20	10.8	1.25	879	0.85	0.04	33.0	710
D00019125	0.08	7.8	0.79	591	1.01	0.04	26.6	690
D00019126	0.38	6.5	1.54	509	0.49	0.09	36.6	800
D00019127	0.12	6.0	0.83	402	0.54	0.04	24.4	570
D00019128	0.66	4.0	2.00	439	1.52	0.11	50.2	1000
D00019129	0.44	44.4	0.98	480	1.36	0.02	59.0	740
D00019130	0.06	2.7	0.90	199	0.82	0.03	18.0	650
D00019131	0.21	10.5	1.02	325	0.60	0.05	34.2	880
D00019132	0.11	14.5	0.81	647	1.32	0.04	25.8	650
D00019133	0.16	17.9	0.85	645	1.24	0.03	32.0	860
D00019134	0.14	17.1	0.75	265	1.09	0.04	24.6	780
D00019135	0.37	36.8	0.86	758	1.88	0.03	39.7	770
D00019136	0.23	17.5	0.69	189	0.86	0.02	22.7	640
D00019137	0.32	11.8	0.77	334	3.12	0.03	32.9	870
D00019138	0.37	11.0	0.81	494	4.37	0.03	28.2	850
D00019139	0.39	13.7	0.95	506	3.54	0.04	35.0	940
D00019140	0.19	13.8	0.69	525	2.91	0.03	32.2	770
D00019141	0.15	12.1	0.60	806	3.86	0.03	31.5	810
D00019142	0.09	8.5	0.65	229	0.80	0.03	23.2	750
D00019143	0.07	9.5	0.64	473	0.88	0.03	22.6	730
D00019144	0.02	2.8	0.07	62	0.80	0.02	5.3	370
D00019145	0.03	17.4	0.15	56	0.53	0.03	4.7	180
D00019146	0.05	43.6	0.64	401	1.20	0.02	23.2	450
D00019147	0.16	15.4	0.80	327	0.54	0.03	18.5	910
D00019148	0.16	27.9	0.87	757	1.01	0.03	23.0	940
D00019149	0.06	12.6	0.37	338	0.96	0.02	12.8	730
D00019150	0.04	2.6	0.10	144	0.82	0.02	6.3	650
D00019151	0.15	15.7	0.79	650	0.74	0.03	22.3	990

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Element Method Det.Lim. Units	K GE_IMS14B 0.01 %	La GE_IMS14B 0.1 ppm	Mg GE_IMS14B 0.01 %	Mn GE_IMS14B 2 ppm	Mo GE_IMS14B 0.05 ppm	Na GE_IMS14B 0.01 %	Ni GE_IMS14B 0.5 ppm	P GE_IMS14B 50 ppm
*Rep D00019081	1.20	7.7	2.45	550	0.57	0.03	24.9	1510
*Rep D00019101	0.10	14.1	0.24	946	0.98	0.03	12.3	430
*Rep D00019119	0.06	8.0	0.38	105	0.43	0.02	9.6	510
*Rep D00019128	0.63	3.9	1.90	432	1.57	0.11	49.5	1010
*Std OREAS209	0.07	14.3	2.33	1390	2.06	0.16	118	1770
*Std OREAS151B	0.40	7.2	1.47	278	56.8	0.17	14.6	570
*Blk BLANK	<0.01	<0.1	<0.01	<2	<0.05	<0.01	<0.5	<50
*Blk BLANK	<0.01	<0.1	<0.01	<2	<0.05	0.01	<0.5	<50
*Std OREAS151B	0.37	7.2	1.32	276	53.9	0.18	13.9	560

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Element Method Det.Lim. Units	Pb	Rb	Sb	Sc	Sn	Sr	Th	Ti
	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B
	0.2	0.2	0.05	0.1	0.3	0.5	0.1	0.01
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
D00019076	7.2	29.8	0.43	6.4	0.6	28.0	3.8	0.15
D00019077	6.4	45.6	0.30	5.0	0.6	23.7	4.9	0.18
D00019078	3.6	8.6	0.30	3.1	<0.3	19.2	2.0	0.08
D00019079	4.0	13.6	0.38	4.4	0.3	29.1	2.9	0.08
D00019080	1.6	11.2	0.25	4.0	<0.3	31.8	1.5	0.05
D00019081	1.6	55.0	0.14	3.2	<0.3	34.7	2.6	0.31
D00019082	4.0	29.5	0.20	3.3	0.4	19.3	2.4	0.20
D00019083	4.3	16.1	0.24	2.5	0.4	16.2	1.4	0.17
D00019084	4.2	14.2	0.28	1.6	0.4	14.5	0.8	0.12
D00019085	3.8	11.7	0.21	1.6	0.3	15.5	0.7	0.11
D00019086	4.5	22.5	0.19	3.1	0.3	27.8	1.6	0.17
D00019087	4.4	17.9	0.19	3.3	0.3	26.7	1.4	0.17
D00019088	6.3	18.6	0.16	2.6	<0.3	26.3	0.9	0.15
D00019089	7.1	19.0	0.54	4.4	0.4	33.2	2.3	0.09
D00019090	5.9	19.5	0.41	4.4	0.4	28.7	3.0	0.11
D00019091	8.1	21.3	0.31	5.7	0.5	51.5	3.2	0.16
D00019092	8.6	16.1	0.38	4.3	0.4	36.4	1.6	0.12
D00019093	4.9	14.2	0.21	5.4	0.4	34.2	1.3	0.12
D00019094	4.4	29.0	0.20	7.2	0.4	54.0	1.3	0.14
D00019095	4.7	20.3	0.22	4.2	0.3	43.9	1.0	0.14
D00019096	5.0	10.5	0.24	2.0	<0.3	53.9	0.4	0.06
D00019097	5.9	15.5	0.27	3.6	<0.3	51.8	0.5	0.07
D00019098	4.0	26.0	0.24	3.9	0.3	28.7	1.0	0.14
D00019099	7.5	24.5	0.27	5.8	0.4	36.4	1.3	0.16
D00019100	4.1	20.6	0.27	3.2	0.4	21.6	0.8	0.17
D00019101	4.7	10.2	0.28	2.1	0.4	13.4	1.8	0.08
D00019102	5.8	76.1	0.18	4.4	0.7	21.7	4.1	0.22
D00019103	6.5	35.0	0.32	3.4	0.5	21.1	2.5	0.17
D00019104	5.2	6.2	0.36	3.8	0.3	21.6	0.8	0.09
D00019105	8.1	28.7	0.33	5.3	0.7	20.3	4.4	0.14
D00019106	7.6	29.6	0.33	5.6	0.7	21.3	4.5	0.15
D00019107	4.9	32.1	0.30	5.4	0.8	17.6	3.1	0.14
D00019108	4.7	11.2	0.27	1.5	0.4	29.0	0.3	0.06
D00019109	5.8	30.1	0.46	5.8	0.7	25.5	2.8	0.15
D00019110	5.3	36.7	0.43	6.5	0.7	21.6	4.6	0.18
D00019111	5.4	34.6	0.46	6.5	0.7	22.9	4.4	0.17
D00019112	3.8	18.7	0.19	3.0	0.3	29.0	1.2	0.16
D00019113	5.1	19.8	0.16	2.7	<0.3	33.2	1.1	0.14
D00019114	3.4	26.4	0.16	2.3	0.3	22.4	1.1	0.17
D00019115	4.9	21.7	0.13	2.4	<0.3	21.8	0.7	0.13

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Element Method Det.Lim. Units	Pb	Rb	Sb	Sc	Sn	Sr	Th	Ti
	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B
	0.2	0.2	0.05	0.1	0.3	0.5	0.1	0.01
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
D00019116	2.6	5.1	0.20	1.0	<0.3	6.3	0.2	0.06
D00019117	5.4	20.4	0.16	3.4	0.5	18.6	1.2	0.16
D00019118	4.7	23.8	0.15	3.3	0.5	19.6	0.9	0.15
D00019119	6.6	11.6	0.17	2.2	0.4	14.4	0.5	0.09
D00019120	7.0	24.0	0.22	5.6	0.6	23.6	1.3	0.17
D00019121	6.7	17.6	0.22	4.9	0.4	18.1	0.8	0.12
D00019122	7.1	22.1	0.14	6.1	0.5	26.6	1.0	0.13
D00019123	3.6	13.7	0.18	3.0	0.3	21.6	0.3	0.13
D00019124	10.4	28.1	0.27	7.4	0.3	60.4	1.0	0.13
D00019125	7.7	11.9	0.28	4.5	<0.3	49.5	0.8	0.09
D00019126	6.6	32.8	0.25	7.0	<0.3	66.9	1.5	0.19
D00019127	7.4	17.4	0.32	4.1	<0.3	45.9	0.6	0.09
D00019128	2.5	34.6	0.20	9.4	0.3	65.1	1.0	0.19
D00019129	16.9	44.6	0.64	5.2	0.5	42.7	8.9	0.10
D00019130	9.2	8.5	0.16	2.3	<0.3	16.6	0.2	0.06
D00019131	5.5	22.8	0.33	4.4	0.4	39.0	2.1	0.14
D00019132	9.6	14.5	0.56	5.4	0.5	38.3	3.9	0.12
D00019133	10.8	21.6	0.61	6.3	0.6	36.3	3.6	0.13
D00019134	9.9	19.5	0.51	4.7	0.5	34.0	2.9	0.11
D00019135	8.8	46.6	0.78	5.9	0.9	35.5	5.8	0.13
D00019136	13.9	28.5	0.45	4.8	0.6	34.1	2.4	0.12
D00019137	6.3	28.9	1.02	5.5	0.5	37.6	1.7	0.10
D00019138	6.9	34.9	1.23	5.4	0.5	35.2	2.2	0.11
D00019139	9.2	32.7	1.17	6.8	0.6	34.3	3.8	0.13
D00019140	8.0	23.0	1.49	4.5	0.4	36.2	1.7	0.10
D00019141	7.7	19.6	1.50	4.3	0.4	34.6	1.4	0.09
D00019142	8.1	17.0	0.34	3.6	0.5	28.4	1.2	0.11
D00019143	6.5	15.5	0.32	3.9	0.4	33.8	1.5	0.10
D00019144	4.0	2.2	0.34	0.8	<0.3	9.5	0.1	0.05
D00019145	3.9	8.2	0.21	1.0	<0.3	9.4	0.6	0.04
D00019146	17.6	6.6	0.49	4.8	0.5	18.5	9.9	0.12
D00019147	6.1	18.7	0.36	5.4	0.5	24.9	5.5	0.17
D00019148	7.1	20.7	0.47	6.4	0.6	40.5	4.1	0.14
D00019149	5.5	9.9	0.38	1.9	0.4	21.9	0.7	0.08
D00019150	3.2	5.3	0.34	0.5	<0.3	10.1	0.1	0.03
D00019151	6.5	18.8	0.46	4.5	0.6	29.0	4.5	0.17

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Element Method Det.Lim. Units	Pb GE_IMS14B 0.2 ppm	Rb GE_IMS14B 0.2 ppm	Sb GE_IMS14B 0.05 ppm	Sc GE_IMS14B 0.1 ppm	Sn GE_IMS14B 0.3 ppm	Sr GE_IMS14B 0.5 ppm	Th GE_IMS14B 0.1 ppm	Ti GE_IMS14B 0.01 %
*Rep D00019081	1.6	53.2	0.13	2.9	<0.3	32.7	2.6	0.30
*Rep D00019101	4.8	10.8	0.30	2.1	0.3	13.1	1.8	0.08
*Rep D00019119	6.6	11.7	0.16	2.3	0.4	14.2	0.4	0.09
*Rep D00019128	2.5	35.0	0.17	9.2	0.3	63.3	0.9	0.18
*Std OREAS209	3.2	4.0	1.39	3.9	0.8	57.9	2.1	0.13
*Std OREAS151B	39.9	19.6	0.59	9.3	1.0	38.9	2.5	0.07
*Blk BLANK	<0.2	<0.2	<0.05	<0.1	<0.3	<0.5	<0.1	<0.01
*Blk BLANK	<0.2	<0.2	<0.05	<0.1	<0.3	<0.5	<0.1	<0.01
*Std OREAS151B	41.8	19.2	0.57	8.9	1.0	37.0	2.7	0.07

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Element Method Det.Lim. Units	Tl	U	V	W	Y	Zn
	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B
	0.02	0.05	1	0.1	0.05	1
	ppm	ppm	ppm	ppm	ppm	ppm
D00019076	0.43	0.97	126	0.2	7.80	127
D00019077	0.31	0.65	92	0.2	4.89	78
D00019078	0.08	0.25	49	0.1	1.69	37
D00019079	0.10	0.58	50	0.2	7.99	43
D00019080	0.08	0.31	48	0.3	3.86	35
D00019081	0.24	0.70	103	<0.1	5.76	110
D00019082	0.17	0.55	87	0.1	2.72	74
D00019083	0.13	0.41	72	0.2	2.02	52
D00019084	0.09	0.35	65	0.2	1.14	35
D00019085	0.07	0.20	50	0.1	1.10	47
D00019086	0.15	0.45	79	0.3	3.01	59
D00019087	0.14	0.60	83	1.3	2.72	67
D00019088	0.11	0.66	69	0.1	2.49	59
D00019089	0.23	2.08	63	0.4	9.01	75
D00019090	0.20	1.00	68	0.4	5.98	69
D00019091	0.18	1.45	86	0.2	11.0	85
D00019092	0.14	0.54	72	0.2	5.07	104
D00019093	0.13	0.73	75	0.1	4.64	60
D00019094	0.22	0.69	85	0.1	3.99	82
D00019095	0.28	0.56	77	0.3	4.81	69
D00019096	0.16	0.69	36	<0.1	5.63	47
D00019097	0.12	0.70	47	<0.1	11.7	49
D00019098	0.14	0.28	83	0.1	2.49	85
D00019099	0.24	0.41	97	0.3	4.58	64
D00019100	0.14	0.21	83	0.2	1.48	50
D00019101	0.09	0.56	41	0.2	3.86	64
D00019102	0.38	0.82	88	0.2	3.64	69
D00019103	0.20	0.50	79	0.2	2.82	60
D00019104	0.07	0.23	117	0.1	1.71	55
D00019105	0.26	1.12	79	0.3	5.70	98
D00019106	0.24	1.11	81	1.1	6.10	102
D00019107	0.27	0.88	90	0.3	5.95	76
D00019108	0.09	0.95	35	0.1	5.83	45
D00019109	0.22	1.24	90	0.2	8.30	78
D00019110	0.29	1.00	94	0.2	7.73	82
D00019111	0.28	1.05	96	0.2	7.63	83
D00019112	0.13	0.64	46	0.2	2.81	59
D00019113	0.13	0.45	62	0.2	2.22	59
D00019114	0.20	0.46	50	0.3	2.26	54
D00019115	0.18	0.61	43	0.2	2.36	52

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Element Method Det.Lim. Units	Tl	U	V	W	Y	Zn
	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B
	0.02	0.05	1	0.1	0.05	1
	ppm	ppm	ppm	ppm	ppm	ppm
D00019116	0.07	0.23	31	0.2	0.72	18
D00019117	0.16	0.60	69	0.2	2.89	67
D00019118	0.19	0.52	50	0.2	2.94	59
D00019119	0.12	0.87	28	0.1	3.64	40
D00019120	0.19	0.89	86	0.2	5.37	96
D00019121	0.16	0.71	74	0.1	3.97	72
D00019122	0.22	0.69	84	0.2	4.06	78
D00019123	0.14	0.66	60	0.1	3.76	63
D00019124	0.30	1.39	71	2.3	18.3	107
D00019125	0.20	0.96	49	0.2	13.6	63
D00019126	0.35	0.60	107	0.2	8.77	82
D00019127	0.17	0.98	60	0.2	8.17	56
D00019128	0.31	0.37	144	0.2	2.19	80
D00019129	0.31	2.54	48	0.2	10.5	115
D00019130	0.09	0.28	71	0.2	2.88	48
D00019131	0.17	1.01	69	0.2	6.84	62
D00019132	0.16	2.06	79	0.3	8.14	74
D00019133	0.22	1.80	83	0.5	10.4	94
D00019134	0.20	2.01	70	0.3	8.79	80
D00019135	0.40	2.95	65	0.2	13.1	85
D00019136	0.27	1.63	69	0.3	6.67	84
D00019137	0.28	3.28	70	0.2	12.4	82
D00019138	0.34	2.01	76	0.1	7.66	100
D00019139	0.42	2.36	95	0.2	9.99	130
D00019140	0.31	1.91	78	0.3	8.35	116
D00019141	0.33	1.59	77	0.2	8.24	116
D00019142	0.16	1.01	50	0.2	3.98	68
D00019143	0.15	1.03	62	0.2	4.75	64
D00019144	0.03	0.32	33	0.3	1.24	21
D00019145	0.05	0.83	20	0.1	4.94	17
D00019146	0.11	1.73	78	0.2	19.0	64
D00019147	0.18	3.43	79	0.2	9.08	55
D00019148	0.19	6.00	93	0.3	15.2	70
D00019149	0.10	2.14	55	0.1	4.13	47
D00019150	0.04	0.60	31	<0.1	1.15	37
D00019151	0.16	3.26	87	0.4	7.47	69

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Element Method Det.Lim. Units	Tl	U	V	W	Y	Zn
	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B
	0.02	0.05	1	0.1	0.05	1
	ppm	ppm	ppm	ppm	ppm	ppm
*Rep D00019081	0.25	0.67	100	<0.1	5.67	103
*Rep D00019101	0.10	0.57	39	0.1	3.98	63
*Rep D00019119	0.12	0.86	28	0.3	3.73	42
*Rep D00019128	0.30	0.37	141	0.2	2.10	77
*Std OREAS209	0.03	0.49	40	0.4	13.5	81
*Std OREAS151B	0.13	0.66	145	0.7	10.4	244
*Bik BLANK	<0.02	<0.05	<1	<0.1	<0.05	<1
*Bik BLANK	<0.02	<0.05	<1	<0.1	<0.05	<1
*Std OREAS151B	0.13	0.62	147	0.6	10.3	233

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