



Certificate of Analysis
Work Order : VC162359
[Report File No.: 0000018502]

Date: August 16, 2016

To: Kendra Johnston
INDEPENDENCE GOLD CORP.
1410-650 WEST GEORGIA ST
VACOUVER BC V6B 4N8

P.O. No.: Boulevard - YK16-BLVD10
Project No.: IGO YUKON
Samples: 78
Received: Aug 2, 2016
Pages: Page 1 to 16
(Inclusive of Cover Sheet)

Methods Summary

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
78	G_LOG02	Pre-preparation processing, sorting, logging, boxing
78	G_WGH79	Weighing of samples and reporting of weights
72	G_PRP89	Weigh, dry,(up to 3.0 kg) crush to 75% passing 2 mm, split 250 g, pulverize to
78	GE_FAA313	@Au, FAS, AAS, 30g-5ml(Final Mode)
78	GE_IMS14	Aqua Regia digestion

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
n.a. = Not applicable

I.S. = Insufficient Sample
-- = 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 %
E00004018	2.650	9	1.64	0.38	41	345	0.14	0.23
E00004019	0.935	<5	0.42	0.56	36	290	0.12	0.16
E00004020	0.115	<5	0.18	1.55	<1	113	0.06	0.89
E00004021	3.010	336	0.55	0.38	760	1400	0.17	0.04
E00004022	2.670	119	0.58	0.36	952	686	0.21	0.49
E00004023	2.310	<5	0.34	0.50	38	189	0.09	0.33
E00004024	2.150	5	0.29	0.50	109	521	0.14	0.18
E00004025	3.080	<5	0.29	0.30	85	717	0.16	0.27
E00004026	3.515	<5	0.39	0.31	90	974	0.12	0.25
E00004027	3.310	<5	0.31	0.40	101	784	0.18	0.37
E00004028	2.935	<5	0.59	0.40	86	352	0.18	1.16
E00004029	3.090	<5	0.99	0.73	134	1080	0.32	1.78
E00004030	0.115	5160	0.90	2.32	33	172	0.31	1.36
E00004031	3.485	<5	0.56	0.45	237	424	0.42	2.39
E00004032	3.285	862	0.60	0.38	2330	268	0.36	2.44
E00004033	3.005	1570	0.53	0.50	2500	663	0.21	3.03
E00004034	3.145	436	0.49	0.74	1740	573	0.31	1.49
E00004035	3.075	138	0.74	0.49	494	460	0.20	2.81
E00004036	3.170	27	0.64	0.59	75	126	0.18	1.41
E00004037	3.250	15	0.21	0.70	38	110	0.16	0.86
E00004038	3.090	<5	0.24	0.46	180	278	0.30	1.36
E00004039	3.315	<5	0.56	0.52	34	197	0.23	1.05
E00004040	4.020	21	0.53	0.49	52	143	0.17	1.26
E00004041	3.275	20	0.56	0.52	44	165	0.17	1.20
E00004042	3.385	<5	0.60	0.59	26	121	0.20	1.62
E00004043	3.875	<5	0.55	1.22	8	118	0.34	0.84
E00004044	4.315	<5	0.31	1.84	9	228	0.34	1.74
E00004045	3.510	<5	0.07	1.97	6	222	0.26	0.31
E00004046	3.805	<5	0.07	1.92	5	135	0.17	0.26
E00004047	3.700	<5	0.06	2.05	3	706	0.14	0.48
E00004048	3.545	<5	0.10	1.31	3	272	0.15	0.35
E00004049	4.030	<5	0.17	2.00	7	212	0.22	0.36
E00004050	0.115	<5	0.05	1.54	<1	110	0.05	0.88
E00004051	3.815	<5	0.12	1.72	3	263	0.09	0.48
E00004052	3.795	<5	0.33	1.28	8	313	0.18	0.47
*Dup E00004052	N.A.	<5	0.34	1.29	7	361	0.20	0.46
E00004053	4.415	<5	1.43	1.04	37	637	0.18	0.47
E00004054	4.025	<5	0.54	1.98	8	1710	0.14	0.54
E00004055	3.935	<5	0.44	3.00	7	>10000	0.48	1.09
E00004056	3.685	<5	0.11	1.71	4	360	0.12	0.99

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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 %
E00004057	3.950	<5	0.08	1.38	13	112	0.13	1.32
E00004058	4.680	<5	0.08	1.15	12	152	0.23	1.39
E00004059	3.350	<5	0.14	0.67	14	88	0.26	1.77
E00004060	0.115	5390	0.71	2.19	33	172	0.31	1.27
E00004061	3.745	<5	0.07	1.11	4	79	0.14	1.59
E00004062	3.335	<5	0.04	1.52	3	78	0.12	0.90
E00004063	3.485	<5	0.06	1.87	3	136	0.20	0.50
E00004064	3.465	<5	0.05	1.84	1	156	0.15	0.38
E00004065	4.255	<5	0.06	1.49	4	134	0.12	0.62
E00004066	4.085	<5	0.12	1.67	4	197	0.19	0.68
E00004067	3.975	<5	0.08	2.70	8	304	0.19	1.11
E00004068	3.340	<5	0.36	1.16	17	250	0.27	0.97
E00004069	3.370	<5	0.54	1.02	6	413	0.12	0.82
E00004070	2.830	<5	0.46	0.66	67	1190	0.16	1.32
E00004071	2.885	<5	0.48	0.55	78	971	0.17	1.43
E00004072	2.860	9	0.59	0.85	48	569	0.19	1.07
E00004073	3.495	<5	0.22	1.19	10	413	0.26	1.37
E00004074	4.100	5	0.38	1.22	6	560	0.11	0.68
E00004075	3.695	7	0.30	1.33	4	695	0.11	0.59
E00004076	3.865	<5	0.35	1.36	6	538	0.41	0.46
E00004077	3.870	<5	0.27	1.22	5	502	0.13	0.32
E00004078	3.885	<5	0.37	1.55	4	655	0.13	0.48
E00004079	4.325	<5	0.51	1.41	6	662	0.12	0.49
E00004080	0.115	7	0.06	1.57	<1	113	0.05	0.92
E00004081	3.830	5	0.48	1.54	20	820	0.17	0.67
E00004082	3.175	<5	0.71	1.77	12	692	0.31	0.78
E00004083	2.605	6	0.40	1.61	4	755	0.30	0.67
E00004084	3.220	<5	0.29	1.39	14	659	0.27	1.11
E00004085	3.240	<5	0.08	1.49	15	214	0.20	2.12
E00004086	2.540	<5	0.04	1.59	5	175	0.61	1.48
E00004087	2.805	<5	0.07	1.19	4	130	0.15	1.31
*Dup E00004087	N.A.	<5	0.07	1.29	4	134	0.16	1.38
E00004088	5.275	<5	0.09	1.37	17	162	0.22	2.55
E00004089	6.215	<5	0.17	0.45	14	394	0.51	1.91
E00004090	0.115	5350	0.83	2.41	34	164	0.32	1.38
E00004091	6.485	<5	0.13	1.08	90	186	0.33	2.26
E00004092	5.885	<5	0.11	1.04	21	250	0.46	3.71
E00004093	4.885	<5	0.08	1.69	8	239	0.23	3.32
E00004094	4.595	<5	0.21	1.45	3	62	0.20	3.91
E00004095	4.020	<5	0.11	0.93	3	91	0.30	2.61

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*Rep E00004021	334						
*Rep E00004071	6						
*Rep E00004095	<5						
*Std OREAS151B	69						
*Std OXB130	126						
*Std OXH97	1330						
*Std OXN117	7690						
*Std OREAS151B	65						
*Blk BLANK	<5						
*Blk BLANK	<5						
*Rep E00004035		0.76	0.49	495	468	0.21	2.83
*Rep E00004057		0.12	1.40	13	113	0.12	1.30
*Rep E00004071		0.49	0.54	78	969	0.17	1.43
*Rep E00004091		0.12	1.05	100	194	0.29	2.26
*Std OREAS209		0.28	1.27	1030	77	0.05	1.55
*Std OREAS922		0.87	2.74	6	67	11.0	0.35
*Std OREAS922		0.96	2.81	5	68	11.3	0.36
*Blk BLANK		<0.01	<0.01	<1	<5	<0.02	<0.01
*Blk BLANK		<0.01	<0.01	<1	<5	<0.02	<0.01

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E00004018	0.07	13.2	2.4	21	45.4	3.56	2.4	0.02
E00004019	0.08	12.8	5.1	24	76.6	3.40	2.9	0.02
E00004020	0.05	14.9	9.0	11	65.6	2.85	4.5	0.01
E00004021	0.11	19.8	2.7	24	36.6	2.62	1.5	0.45
E00004022	0.24	16.4	2.6	23	68.9	2.68	1.5	0.31
E00004023	0.09	16.2	6.0	26	79.0	3.01	3.0	<0.01
E00004024	0.16	20.7	4.7	25	66.6	2.82	2.0	0.05
E00004025	0.20	17.4	4.6	18	68.6	1.60	1.1	0.09
E00004026	0.26	13.2	7.6	33	76.5	1.80	1.3	0.09
E00004027	0.44	18.4	11.0	26	90.2	2.54	1.4	0.10
E00004028	5.34	27.1	10.5	34	157	2.53	1.8	0.14
E00004029	1.16	36.1	11.3	85	198	2.17	3.6	0.09
E00004030	0.17	17.3	15.8	92	101	4.19	6.3	0.28
E00004031	1.89	20.2	11.0	57	120	2.31	2.0	0.13
E00004032	0.48	17.4	10.1	65	119	1.72	1.9	0.45
E00004033	0.97	15.6	10.2	74	103	1.99	2.4	0.51
E00004034	0.86	37.2	15.7	61	142	2.76	3.1	0.36
E00004035	0.23	18.1	8.5	66	134	1.37	2.1	0.10
E00004036	0.08	29.4	13.1	42	70.0	2.29	2.9	<0.01
E00004037	0.25	19.2	10.5	35	89.8	2.21	3.0	0.02
E00004038	0.45	24.1	17.8	53	80.4	2.13	2.3	0.04
E00004039	0.28	46.9	15.7	37	64.8	2.37	2.3	<0.01
E00004040	2.56	17.5	8.3	40	74.6	1.59	2.2	0.02
E00004041	2.23	17.9	8.8	44	75.6	1.77	2.4	0.02
E00004042	4.34	15.2	6.9	59	77.6	1.61	2.9	0.03
E00004043	0.53	55.8	30.0	49	71.6	3.39	5.4	0.09
E00004044	0.27	39.2	14.5	76	85.8	2.87	7.4	<0.01
E00004045	0.06	62.7	13.5	36	20.8	3.50	7.4	<0.01
E00004046	0.06	76.2	11.9	31	22.3	3.40	6.6	<0.01
E00004047	0.12	60.9	12.7	35	27.3	3.15	7.0	<0.01
E00004048	0.12	38.5	11.1	34	24.8	2.50	4.6	<0.01
E00004049	0.09	49.2	15.5	35	37.1	3.24	6.8	<0.01
E00004050	0.05	14.0	8.8	10	66.0	2.87	4.6	0.01
E00004051	0.11	49.4	12.4	43	26.1	2.99	5.8	<0.01
E00004052	0.28	55.7	14.8	35	45.4	2.92	4.5	<0.01
*Dup E00004052	0.24	55.9	14.9	40	41.6	2.91	4.8	<0.01
E00004053	4.89	24.9	11.8	45	75.2	2.99	4.8	<0.01
E00004054	1.23	28.6	14.0	186	60.2	3.07	8.0	<0.01
E00004055	2.05	17.0	13.4	65	77.9	2.53	7.7	<0.01
E00004056	0.10	49.2	8.7	35	20.3	2.43	6.9	0.01

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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
E00004057	0.05	45.2	8.1	30	15.1	2.07	6.2	<0.01
E00004058	0.06	60.2	11.3	30	17.5	2.99	5.5	<0.01
E00004059	0.08	56.4	8.8	26	14.5	2.55	3.8	0.01
E00004060	0.17	16.8	15.9	90	100	4.17	6.2	0.22
E00004061	0.11	37.3	8.6	40	16.3	2.16	5.4	<0.01
E00004062	0.04	53.5	9.8	42	16.8	2.60	6.4	<0.01
E00004063	0.03	72.3	11.4	35	23.7	3.25	6.8	<0.01
E00004064	0.03	73.9	11.8	35	20.4	3.18	7.0	<0.01
E00004065	0.08	59.4	9.6	28	18.7	2.57	6.0	<0.01
E00004066	0.71	56.1	12.3	43	27.8	3.05	5.9	<0.01
E00004067	0.12	58.0	14.5	81	24.5	3.23	8.3	<0.01
E00004068	0.51	38.0	10.7	34	68.2	3.06	4.8	<0.01
E00004069	1.13	29.8	11.1	59	73.1	2.84	4.6	0.01
E00004070	1.24	25.1	12.8	40	75.3	3.13	2.9	0.17
E00004071	1.25	23.7	12.3	31	80.0	3.19	2.3	0.20
E00004072	1.75	29.0	13.5	60	86.5	3.09	4.0	0.03
E00004073	0.55	27.0	12.5	56	61.7	3.08	5.7	<0.01
E00004074	0.63	22.0	12.9	72	66.3	2.69	5.4	0.01
E00004075	0.55	27.1	12.1	66	53.6	2.85	6.0	0.02
E00004076	0.35	36.3	11.4	65	59.1	2.98	5.6	<0.01
E00004077	0.31	40.2	9.0	46	43.8	2.63	4.4	<0.01
E00004078	0.36	41.5	10.7	59	49.9	3.16	5.9	<0.01
E00004079	0.46	33.1	11.4	62	43.9	2.88	5.7	<0.01
E00004080	0.06	14.8	8.3	11	61.6	2.80	4.6	<0.01
E00004081	0.87	28.0	14.6	91	70.1	3.10	6.4	0.01
E00004082	0.72	20.5	31.7	83	74.2	3.31	6.9	0.06
E00004083	0.55	27.8	14.1	84	60.5	3.24	6.8	<0.01
E00004084	0.42	31.2	14.2	79	62.4	3.10	5.8	<0.01
E00004085	0.11	57.9	14.7	53	27.0	3.10	5.7	0.02
E00004086	0.10	60.8	11.7	48	18.5	2.80	5.8	0.01
E00004087	0.12	59.2	12.1	55	23.5	3.24	6.8	<0.01
*Dup E00004087	0.16	57.3	12.3	55	24.5	3.34	7.3	0.02
E00004088	0.12	51.8	18.0	103	16.2	3.34	6.3	0.03
E00004089	0.30	65.1	8.8	19	14.7	3.21	3.3	0.02
E00004090	0.15	17.2	15.4	87	102	4.19	6.5	0.26
E00004091	0.16	57.6	14.0	24	18.5	4.00	6.9	0.05
E00004092	0.19	38.1	18.9	57	16.3	4.59	6.2	0.01
E00004093	0.12	19.2	20.0	118	23.4	3.32	5.9	<0.01
E00004094	0.10	14.5	30.2	116	30.6	2.73	6.1	0.14
E00004095	0.13	54.2	10.9	26	8.4	3.11	5.8	<0.01

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Element	Cd	Ce	Co	Cr	Cu	Fe	Ga	Hg
Method	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B
Det.Lim.	0.01	0.05	0.1	1	0.5	0.01	0.1	0.01
Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
*Rep E00004035	0.25	19.3	8.7	68	135	1.39	2.1	0.12
*Rep E00004057	0.04	46.2	7.8	31	15.2	2.10	6.2	<0.01
*Rep E00004071	1.15	23.5	12.6	31	79.9	3.16	2.3	0.21
*Rep E00004091	0.20	57.7	14.2	23	17.4	4.02	6.8	0.07
*Std OREAS209	0.07	27.4	29.2	40	73.7	5.99	3.9	<0.01
*Std OREAS922	0.29	62.0	19.2	41	2160	5.10	7.9	0.02
*Std OREAS922	0.29	65.5	18.5	43	2210	5.25	7.8	0.02
*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

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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
E00004018	0.26	8.9	0.07	149	4.92	0.02	12.1	2780
E00004019	0.18	7.1	0.13	222	7.34	0.04	21.7	1760
E00004020	0.20	6.5	0.80	412	2.25	0.15	5.5	660
E00004021	0.12	11.7	0.03	121	7.43	0.01	16.7	2330
E00004022	0.13	10.6	0.02	117	10.5	0.01	12.8	5460
E00004023	0.14	9.0	0.18	389	5.31	0.04	18.0	1980
E00004024	0.15	10.8	0.11	270	5.13	0.02	20.5	1460
E00004025	0.07	9.1	0.02	116	6.17	0.01	18.9	2230
E00004026	0.06	7.3	0.02	205	8.65	0.01	25.1	2110
E00004027	0.12	10.3	0.08	902	8.93	0.01	42.5	1910
E00004028	0.12	15.9	0.36	835	23.6	0.01	88.4	2020
E00004029	0.17	16.5	0.09	541	13.6	0.01	98.6	9720
E00004030	0.37	7.7	1.27	633	7.11	0.25	42.2	780
E00004031	0.18	11.5	0.15	684	15.0	0.01	87.4	>10000
E00004032	0.18	10.3	0.14	595	7.99	0.01	80.9	>10000
E00004033	0.22	9.2	0.30	697	6.76	0.01	83.5	>10000
E00004034	0.16	17.4	0.14	454	15.5	0.01	106	7020
E00004035	0.14	11.4	0.20	227	12.3	0.01	95.7	>10000
E00004036	0.21	13.3	0.55	578	7.42	0.02	62.3	3480
E00004037	0.20	9.3	0.60	234	5.48	0.03	34.9	980
E00004038	0.16	12.5	0.32	716	11.9	0.02	89.5	4310
E00004039	0.18	19.8	0.38	651	6.98	0.02	60.2	2380
E00004040	0.14	9.3	0.30	267	24.5	0.03	74.8	4330
E00004041	0.16	9.7	0.29	283	25.2	0.03	76.9	3920
E00004042	0.15	9.8	0.32	212	27.9	0.02	100	6380
E00004043	0.50	22.6	1.01	633	7.99	0.03	63.6	2130
E00004044	0.74	19.0	0.92	450	9.63	0.08	75.7	6120
E00004045	1.05	29.5	0.89	360	2.00	0.07	39.1	460
E00004046	1.14	36.2	0.87	291	1.45	0.05	26.4	480
E00004047	1.06	28.3	0.78	339	2.16	0.07	31.6	570
E00004048	0.78	17.7	0.60	518	2.60	0.04	28.8	530
E00004049	1.13	23.3	1.01	629	2.69	0.06	39.0	600
E00004050	0.20	6.0	0.79	415	2.11	0.15	5.4	660
E00004051	1.01	22.3	0.80	501	2.52	0.06	27.5	540
E00004052	0.77	25.3	0.77	707	3.46	0.03	39.1	860
*Dup E00004052	0.77	25.5	0.73	729	3.62	0.03	40.5	880
E00004053	0.42	12.6	0.53	776	10.3	0.04	62.2	1180
E00004054	1.15	14.2	1.59	358	5.09	0.07	57.1	970
E00004055	0.40	9.1	0.74	299	8.32	0.05	73.1	2640
E00004056	0.62	22.1	0.61	308	2.39	0.14	20.6	500

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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
E00004057	0.54	21.3	0.56	281	1.89	0.11	17.7	500
E00004058	0.39	28.7	0.71	417	1.61	0.07	26.0	560
E00004059	0.26	26.2	0.55	433	2.13	0.06	19.0	400
E00004060	0.36	7.5	1.20	608	7.32	0.23	41.0	780
E00004061	0.26	17.5	0.70	278	1.75	0.07	20.0	280
E00004062	0.59	25.4	0.65	301	1.53	0.09	19.8	420
E00004063	1.01	34.5	0.71	338	1.79	0.07	25.4	530
E00004064	1.04	34.5	0.78	402	1.53	0.06	25.6	490
E00004065	0.77	28.2	0.55	333	1.79	0.07	20.3	390
E00004066	0.96	26.0	0.76	435	3.17	0.06	31.3	600
E00004067	1.03	27.6	1.36	440	2.09	0.23	49.5	740
E00004068	0.35	19.0	0.85	459	3.48	0.07	42.3	640
E00004069	0.38	14.6	0.89	521	6.24	0.03	56.4	960
E00004070	0.24	12.1	0.92	665	6.56	0.02	55.0	920
E00004071	0.21	11.3	0.97	684	6.09	0.02	53.2	860
E00004072	0.43	14.4	1.00	445	7.58	0.03	67.9	1130
E00004073	0.52	13.0	0.98	661	7.19	0.04	48.0	820
E00004074	0.68	10.5	1.00	518	6.07	0.03	56.5	950
E00004075	0.65	12.9	0.97	450	5.54	0.05	48.4	970
E00004076	0.73	17.9	0.86	445	4.49	0.04	50.6	830
E00004077	0.74	19.8	0.68	261	4.01	0.03	39.9	860
E00004078	0.91	20.6	0.86	354	5.10	0.05	45.4	1030
E00004079	0.90	16.3	0.87	351	4.83	0.05	49.4	970
E00004080	0.20	6.8	0.77	404	1.90	0.16	5.5	650
E00004081	0.92	13.9	1.25	469	6.68	0.05	70.5	1130
E00004082	0.94	9.8	1.23	518	6.49	0.09	57.9	960
E00004083	0.87	13.3	1.29	557	6.26	0.05	52.2	1060
E00004084	0.77	14.8	1.40	551	5.39	0.05	54.5	1090
E00004085	0.75	27.2	1.31	594	2.18	0.06	37.2	680
E00004086	0.84	28.6	1.37	463	2.24	0.05	29.7	650
E00004087	0.75	26.2	1.13	641	2.37	0.08	34.7	770
*Dup E00004087	0.77	25.4	1.17	664	2.48	0.11	36.4	770
E00004088	0.80	23.2	1.69	740	1.54	0.10	76.6	450
E00004089	0.26	28.5	0.82	828	1.25	0.07	12.2	640
E00004090	0.38	7.7	1.23	623	6.86	0.26	43.7	760
E00004091	0.59	25.3	1.25	949	1.75	0.10	16.5	1050
E00004092	0.34	15.8	1.79	1080	2.29	0.06	35.1	1030
E00004093	0.58	7.8	2.09	794	1.55	0.11	60.3	750
E00004094	0.29	6.0	1.70	606	1.24	0.10	39.8	660
E00004095	0.26	23.7	1.07	701	1.26	0.09	14.6	650

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Element	K	La	Mg	Mn	Mo	Na	Ni	P
Method	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B
Det.Lim.	0.01	0.1	0.01	2	0.05	0.01	0.5	50
Units	%	ppm	%	ppm	ppm	%	ppm	ppm
*Rep E00004035	0.15	11.6	0.20	231	12.6	0.01	97.6	>10000
*Rep E00004057	0.55	21.8	0.57	282	1.81	0.11	17.3	500
*Rep E00004071	0.21	11.6	0.96	678	6.08	0.02	53.4	860
*Rep E00004091	0.58	25.2	1.23	934	1.82	0.10	16.6	1040
*Std OREAS209	0.07	13.2	2.48	1410	2.04	0.19	108	1780
*Std OREAS922	0.38	30.4	1.42	755	0.79	0.02	33.3	710
*Std OREAS922	0.40	32.5	1.42	766	0.73	0.02	34.2	690
*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

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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 %
E00004018	19.1	16.2	3.58	3.2	0.9	31.9	3.6	<0.01
E00004019	12.3	12.5	1.32	4.8	0.5	24.1	3.0	<0.01
E00004020	4.0	6.6	0.06	2.7	<0.3	67.3	2.7	0.12
E00004021	23.3	10.1	5.66	2.6	0.6	192	2.4	<0.01
E00004022	21.8	9.6	5.03	2.9	0.6	111	2.8	<0.01
E00004023	11.2	10.1	0.61	4.2	0.8	26.1	2.7	0.03
E00004024	13.4	9.8	1.40	4.3	0.8	52.5	3.4	0.01
E00004025	13.2	5.8	1.43	1.7	0.4	84.2	2.9	<0.01
E00004026	13.5	3.7	1.43	0.9	0.8	111	1.5	<0.01
E00004027	15.5	9.0	2.13	2.7	0.6	102	2.7	<0.01
E00004028	11.2	12.3	1.82	5.1	0.7	83.5	4.6	<0.01
E00004029	21.3	22.1	1.59	4.4	0.6	225	3.6	<0.01
E00004030	42.1	13.8	3.88	4.7	0.8	95.1	4.1	0.18
E00004031	18.4	16.7	3.06	3.0	0.8	157	2.3	<0.01
E00004032	19.2	17.8	12.0	2.5	0.6	145	2.1	<0.01
E00004033	15.6	20.0	16.6	2.4	0.5	224	1.8	<0.01
E00004034	20.2	14.2	12.1	5.1	0.9	182	5.4	<0.01
E00004035	26.3	10.0	6.02	2.4	0.8	180	2.1	<0.01
E00004036	14.1	16.2	1.08	3.1	0.8	36.2	4.2	0.02
E00004037	4.1	15.0	0.37	2.2	1.0	34.8	3.7	0.07
E00004038	8.9	16.1	11.8	3.9	1.2	95.6	3.0	<0.01
E00004039	17.0	12.4	1.79	3.6	0.7	33.8	5.5	0.01
E00004040	12.2	13.1	1.44	2.1	0.6	48.5	2.8	0.02
E00004041	13.0	13.3	1.23	2.2	0.7	45.9	3.0	0.02
E00004042	8.9	14.1	1.61	2.2	0.6	59.8	2.6	0.02
E00004043	15.3	37.0	0.73	4.5	0.7	22.3	7.6	0.04
E00004044	9.6	64.7	0.21	4.8	1.0	79.1	7.5	0.08
E00004045	6.8	77.1	0.13	4.7	1.0	12.2	14.9	0.13
E00004046	6.9	87.8	0.12	3.9	0.8	7.3	16.8	0.12
E00004047	6.0	83.7	0.07	4.3	1.0	32.3	14.2	0.14
E00004048	9.0	46.7	0.06	3.3	0.6	15.8	7.3	0.10
E00004049	6.2	72.7	0.08	4.4	0.8	16.8	9.7	0.12
E00004050	3.5	6.5	0.07	2.6	0.3	68.0	2.6	0.12
E00004051	8.8	54.7	0.10	4.1	0.7	20.6	9.6	0.15
E00004052	12.8	43.1	0.45	3.4	0.6	20.7	10.0	0.08
*Dup E00004052	12.9	44.8	0.42	3.6	0.6	20.9	10.1	0.07
E00004053	209	27.3	0.58	3.3	0.7	43.0	5.0	0.05
E00004054	26.4	82.3	0.15	6.0	0.9	56.5	5.5	0.13
E00004055	15.0	29.2	0.15	3.2	0.7	238	3.1	0.08
E00004056	8.8	49.2	0.11	4.1	1.2	37.8	14.2	0.11

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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 %
E00004057	7.5	47.6	0.13	3.7	1.1	38.0	12.9	0.12
E00004058	9.1	31.4	0.20	4.8	1.2	48.9	14.1	0.08
E00004059	10.7	21.8	0.33	4.5	0.7	73.6	14.7	0.03
E00004060	43.0	13.4	3.84	4.3	0.8	96.1	4.0	0.17
E00004061	7.6	20.6	0.15	3.2	1.0	35.1	10.0	0.08
E00004062	8.1	49.3	0.08	4.0	1.0	25.9	14.7	0.11
E00004063	8.5	69.4	0.06	4.0	0.9	20.9	17.0	0.12
E00004064	6.7	67.1	<0.05	4.0	0.8	15.5	15.0	0.13
E00004065	7.3	57.8	0.06	4.2	1.0	25.5	13.2	0.12
E00004066	11.6	62.2	0.08	3.7	0.9	27.8	11.6	0.11
E00004067	6.0	74.3	0.14	5.1	1.0	86.6	12.3	0.18
E00004068	11.4	25.0	0.51	4.2	0.6	38.8	7.9	0.04
E00004069	5.3	20.4	0.26	4.1	0.6	24.2	4.8	0.03
E00004070	6.1	15.0	2.89	5.0	0.4	86.9	3.8	0.01
E00004071	6.2	12.3	3.73	5.2	0.5	95.4	3.8	0.01
E00004072	4.8	24.5	0.87	5.1	0.6	26.8	4.6	0.03
E00004073	3.4	29.1	0.24	4.8	0.9	41.3	4.0	0.07
E00004074	2.9	34.2	0.23	4.2	1.1	18.5	3.2	0.11
E00004075	3.1	35.2	0.19	5.0	0.9	17.6	4.3	0.14
E00004076	4.2	44.7	0.11	4.7	0.7	13.0	5.8	0.09
E00004077	4.1	50.7	0.14	3.7	0.6	9.8	6.7	0.08
E00004078	4.6	58.4	0.16	4.7	1.1	14.0	6.7	0.12
E00004079	3.4	55.2	0.14	4.7	0.8	15.4	5.3	0.12
E00004080	3.5	6.6	0.13	2.6	0.8	66.6	2.7	0.12
E00004081	3.1	45.1	0.21	5.5	0.9	18.5	4.0	0.13
E00004082	3.7	41.0	0.21	6.0	1.3	27.5	3.3	0.16
E00004083	3.8	39.1	0.14	5.9	0.9	19.9	4.0	0.13
E00004084	3.8	34.2	0.17	6.0	0.9	23.8	4.8	0.12
E00004085	8.6	38.8	0.39	6.5	1.0	50.2	10.5	0.11
E00004086	6.2	50.0	0.16	4.7	2.7	57.9	11.3	0.15
E00004087	4.1	55.8	0.20	6.5	1.6	24.7	10.9	0.15
*Dup E00004087	4.5	57.5	0.19	7.1	1.9	26.2	11.0	0.16
E00004088	5.7	76.6	0.42	9.6	2.9	55.6	11.0	0.15
E00004089	9.8	30.7	0.57	8.0	1.4	38.7	12.8	0.04
E00004090	41.0	14.1	4.10	4.4	0.9	103	3.9	0.18
E00004091	8.6	62.0	1.09	13.3	2.0	49.3	6.0	0.13
E00004092	8.4	34.9	0.48	14.6	1.1	74.7	3.9	0.07
E00004093	5.1	48.1	0.23	11.1	1.2	65.8	2.8	0.17
E00004094	3.1	34.6	0.14	12.3	1.9	69.2	2.3	0.23
E00004095	5.8	33.4	0.14	9.9	1.3	56.4	10.2	0.14

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Element	Pb	Rb	Sb	Sc	Sn	Sr	Th	Ti
Method	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B
Det.Lim.	0.2	0.2	0.05	0.1	0.3	0.5	0.1	0.01
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
*Rep E00004035	26.7	10.1	5.98	2.5	0.7	184	2.1	<0.01
*Rep E00004057	7.2	44.8	0.13	3.5	1.0	36.9	12.9	0.12
*Rep E00004071	6.3	12.2	3.48	5.2	0.4	93.5	3.8	0.01
*Rep E00004091	8.4	62.5	1.20	13.1	2.0	50.3	6.1	0.13
*Std OREAS209	3.3	3.9	1.11	3.7	0.9	61.1	1.8	0.13
*Std OREAS922	57.3	22.1	0.53	3.3	3.9	14.9	15.5	0.11
*Std OREAS922	58.5	22.7	0.65	3.2	3.7	14.8	15.2	0.11
*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

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Element Method Det.Lim. Units	TI	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
E00004018	0.31	1.79	53	5.2	7.86	71
E00004019	0.23	1.73	57	5.7	8.14	79
E00004020	0.04	1.02	99	2.7	5.09	37
E00004021	0.19	2.01	43	2.9	5.98	40
E00004022	0.41	4.08	74	3.6	11.1	36
E00004023	0.18	1.38	63	3.3	9.48	45
E00004024	0.25	1.63	37	2.0	9.87	60
E00004025	0.25	2.66	33	2.6	8.20	33
E00004026	0.21	2.93	29	11.3	8.83	25
E00004027	0.37	2.37	50	3.4	13.6	83
E00004028	0.42	3.91	188	5.3	20.3	593
E00004029	0.30	6.20	246	12.8	22.6	186
E00004030	0.10	1.03	115	22.5	6.76	76
E00004031	0.21	5.06	188	4.2	24.5	203
E00004032	0.37	6.42	261	3.5	25.0	100
E00004033	0.56	8.36	322	3.2	31.3	123
E00004034	0.65	7.18	256	2.1	22.8	130
E00004035	0.23	10.1	227	5.6	27.9	39
E00004036	0.15	2.94	85	4.6	16.1	23
E00004037	0.14	1.44	34	5.0	8.90	50
E00004038	0.35	3.37	192	3.7	19.8	125
E00004039	0.12	2.93	65	3.8	17.2	62
E00004040	0.18	7.02	220	4.2	17.0	314
E00004041	0.17	6.89	214	5.0	17.0	271
E00004042	0.20	10.6	296	2.1	22.2	442
E00004043	0.33	2.72	82	73.5	21.4	106
E00004044	0.55	6.66	192	1.6	21.2	63
E00004045	0.52	2.32	57	0.6	12.9	70
E00004046	0.64	2.46	27	1.1	14.6	76
E00004047	0.70	2.16	34	0.3	12.6	78
E00004048	0.33	1.25	32	1.0	9.11	59
E00004049	0.60	1.74	41	0.7	11.3	65
E00004050	0.04	0.78	98	2.8	5.06	36
E00004051	0.38	1.38	36	0.4	10.0	60
E00004052	0.36	1.76	36	0.9	11.0	83
*Dup E00004052	0.37	1.77	40	0.7	11.3	82
E00004053	0.30	3.27	105	2.3	12.5	562
E00004054	0.81	2.32	156	1.2	10.8	189
E00004055	0.37	4.05	130	1.7	13.5	185
E00004056	0.36	1.90	30	1.4	10.7	47

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Element Method Det.Lim. Units	TI GE_IMS14B 0.02 ppm	U GE_IMS14B 0.05 ppm	V GE_IMS14B 1 ppm	W GE_IMS14B 0.1 ppm	Y GE_IMS14B 0.05 ppm	Zn GE_IMS14B 1 ppm
E00004057	0.31	1.60	26	2.8	10.1	39
E00004058	0.28	2.06	29	0.9	13.0	63
E00004059	0.19	2.02	21	0.9	11.1	57
E00004060	0.10	0.97	115	21.3	6.53	73
E00004061	0.16	1.30	25	1.1	9.17	55
E00004062	0.36	2.03	32	1.1	12.3	58
E00004063	0.49	2.54	29	0.5	16.3	67
E00004064	0.45	2.01	33	0.7	15.4	64
E00004065	0.41	2.01	24	1.1	12.6	57
E00004066	0.44	2.05	37	1.1	13.2	203
E00004067	0.68	1.93	64	1.1	15.4	76
E00004068	0.22	1.87	50	1.2	8.73	84
E00004069	0.16	2.18	92	1.0	10.9	153
E00004070	0.27	2.90	68	2.2	10.7	154
E00004071	0.29	2.78	58	1.8	10.8	149
E00004072	0.30	2.57	93	1.8	13.0	160
E00004073	0.24	1.72	86	1.5	10.0	86
E00004074	0.25	1.67	102	2.7	8.73	107
E00004075	0.26	1.74	104	2.0	10.8	97
E00004076	0.31	1.95	87	2.0	11.8	94
E00004077	0.36	1.94	69	1.4	11.6	89
E00004078	0.37	2.25	91	1.4	14.5	101
E00004079	0.37	2.53	94	1.0	12.3	98
E00004080	0.04	0.81	98	2.5	4.94	34
E00004081	0.36	2.04	124	3.7	11.8	128
E00004082	0.30	1.92	121	224	9.50	108
E00004083	0.26	1.98	125	4.9	11.3	109
E00004084	0.27	2.02	98	2.2	11.4	88
E00004085	0.30	1.91	49	5.7	14.9	59
E00004086	0.33	1.91	35	4.3	13.3	46
E00004087	0.41	2.89	45	3.4	25.5	67
*Dup E00004087	0.41	2.81	47	3.4	26.6	64
E00004088	0.65	2.34	55	0.3	24.5	67
E00004089	0.47	3.16	35	1.7	28.4	74
E00004090	0.10	1.11	113	21.2	6.66	72
E00004091	0.96	1.61	72	0.7	33.5	93
E00004092	0.48	1.23	88	0.6	26.0	111
E00004093	0.42	0.60	77	0.9	15.0	61
E00004094	0.32	0.53	84	94.4	12.8	49
E00004095	0.34	1.94	57	0.9	20.8	53

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Element	TI	U	V	W	Y	Zn
Method	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B	GE_IMS14B
Det.Lim.	0.02	0.05	1	0.1	0.05	1
Units	ppm	ppm	ppm	ppm	ppm	ppm
*Rep E00004035	0.24	10.8	230	5.5	28.9	41
*Rep E00004057	0.32	1.57	26	2.8	9.85	40
*Rep E00004071	0.31	2.95	59	1.6	11.1	146
*Rep E00004091	1.01	1.62	73	0.6	33.6	88
*Std OREAS209	0.04	0.45	42	0.3	13.5	76
*Std OREAS922	0.16	2.08	27	1.1	16.6	255
*Std OREAS922	0.16	2.10	27	1.0	16.3	238
*Blk BLANK	<0.02	<0.05	<1	<0.1	<0.05	<1
*Blk BLANK	<0.02	<0.05	<1	<0.1	<0.05	<1

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