



**Certificate of Analysis**  
**Work Order : VC162593**  
**[Report File No.: 0000018893]**

**Date:** September 08, 2016

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

**P.O. No.:** Boulevard-YK16-BLVD19  
**Project No.:** IGO YUKON  
**Samples:** 82  
**Received:** Aug 22, 2016  
**Pages:** Page 1 to 16  
(Inclusive of Cover Sheet)

**Methods Summary**

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

**Storage: Pulp & Reject**

REJECT STORAGE : RETURN AFTER 30 DAYS  
PULP STORAGE : RETURN 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 %
E00004745	2.565	<5	0.24	1.32	7	346	0.07	0.12
E00004746	2.660	<5	0.11	0.98	3	163	0.08	0.19
E00004747	3.040	<5	0.36	0.79	6	295	0.05	0.20
E00004748	2.465	<5	0.37	1.26	5	548	0.09	0.22
E00004749	2.750	<5	0.26	1.20	11	533	0.12	0.43
E00004750	0.110	<5	0.06	1.34	<1	122	0.04	0.78
E00004751	2.675	<5	0.34	1.36	9	1140	0.10	0.53
E00004752	3.290	<5	0.53	0.55	80	662	0.08	1.21
E00004753	2.830	<5	0.64	0.76	38	793	0.13	0.77
E00004754	2.735	<5	0.57	0.60	27	533	0.13	0.93
E00004755	1.830	<5	0.68	1.22	23	597	0.11	1.15
E00004756	3.160	<5	0.75	0.72	23	1090	0.13	0.58
E00004757	2.785	<5	0.78	0.82	47	1640	0.12	1.24
E00004758	3.070	<5	0.41	0.54	130	3390	0.11	2.96
E00004759	2.750	<5	0.33	0.98	96	4310	0.25	0.80
E00004760	0.110	5230	0.82	2.20	30	185	0.29	1.23
E00004761	3.075	<5	0.22	0.91	137	1650	0.18	4.31
E00004762	2.725	<5	0.13	1.87	6	890	0.12	2.18
E00004763	2.940	<5	0.26	1.64	2	573	0.30	1.09
E00004764	2.535	<5	0.21	1.44	1	529	0.21	1.31
E00004765	2.695	<5	0.17	1.29	<1	468	0.14	1.50
E00004766	2.285	<5	0.07	1.37	21	604	0.08	0.98
E00004767	2.070	<5	0.07	1.13	28	101	0.12	0.62
E00004768	2.820	<5	0.10	1.61	15	128	0.16	0.80
E00004769	2.420	<5	0.11	1.60	14	145	0.13	0.44
E00004770	2.440	<5	0.11	1.48	11	193	0.18	1.01
E00004771	1.950	<5	0.10	1.47	11	204	0.18	1.04
E00004772	2.330	<5	0.07	1.65	2	183	0.15	0.59
E00004773	2.505	<5	0.10	1.91	3	266	0.17	0.64
E00004774	2.520	<5	0.13	1.26	47	971	0.13	0.99
E00004775	3.205	<5	0.29	0.56	29	532	0.14	0.55
E00004776	2.475	5	0.30	0.93	11	395	0.26	0.47
E00004777	2.430	<5	0.17	1.27	18	452	0.17	0.26
E00004778	2.565	6	0.14	0.77	35	379	0.20	0.30
E00004779	2.510	5	0.12	0.53	37	286	0.16	0.50
*Dup E00004779	N.A.	<5	0.12	0.56	36	292	0.16	0.50
E00004780	0.110	<5	0.07	1.33	<1	119	0.04	0.78
E00004781	2.695	6	0.11	0.73	13	398	0.13	0.21
E00004782	2.220	<5	0.27	1.22	9	643	0.22	0.57
E00004783	2.825	<5	0.32	0.68	34	307	0.22	0.96

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E00004784	2.735	<5	0.63	0.32	79	1910	2.29	1.97
E00004785	2.495	<5	4.01	0.54	89	1090	7.70	1.58
E00004786	2.495	<5	0.34	1.69	49	506	0.63	1.98
E00004787	2.530	<5	0.23	1.43	37	512	0.29	1.81
E00004788	2.470	<5	0.37	1.62	18	675	0.08	0.89
E00004789	2.320	6	0.39	1.25	20	629	0.12	0.47
E00004790	0.110	5280	0.94	2.15	31	181	0.32	1.23
E00004791	2.140	7	0.34	1.48	26	755	0.18	0.51
E00004792	2.385	<5	1.21	1.08	28	469	2.13	0.72
E00004793	2.410	<5	0.35	1.34	68	656	0.42	0.94
E00004794	2.390	<5	0.34	1.48	68	684	0.19	0.64
E00004795	2.450	<5	0.43	1.21	108	579	0.88	0.82
E00004796	2.165	9	0.37	1.40	86	787	0.44	0.69
E00004797	2.505	9	0.55	1.12	41	469	2.62	0.96
E00004798	2.310	<5	0.11	1.53	20	275	0.24	0.88
E00004799	2.495	<5	0.80	0.81	24	97	2.36	2.48
E00004800	2.435	<5	0.36	1.21	7	239	0.56	2.33
E00004801	2.365	<5	0.19	1.27	<1	76	0.26	2.05
E00004802	2.880	<5	0.21	1.28	<1	95	0.39	3.06
E00004803	2.620	<5	0.07	1.85	<1	160	0.05	2.04
E00004804	3.080	<5	0.24	1.50	4	152	0.33	2.44
E00004805	2.405	<5	0.43	0.19	3	35	0.68	1.44
E00004806	2.600	<5	0.08	1.08	2	122	0.14	2.07
E00004807	2.465	<5	0.06	1.04	1	93	0.16	1.31
E00004808	2.265	<5	0.06	0.63	1	60	0.11	0.79
E00004809	2.650	<5	0.06	1.56	1	188	0.04	1.54
E00004810	2.225	<5	0.04	1.49	<1	68	0.02	1.55
E00004811	2.285	<5	0.04	1.51	<1	71	0.03	1.68
E00004812	2.195	<5	0.04	1.51	<1	139	0.05	1.44
E00004813	2.015	<5	0.11	1.13	14	79	0.19	1.22
E00004814	2.085	<5	0.12	1.55	<1	175	0.21	1.35
*Dup E00004814	N.A.	<5	0.14	1.56	<1	185	0.21	1.49
E00004815	2.530	<5	0.05	1.01	<1	130	0.07	1.03
E00004816	2.335	<5	0.03	0.23	1	54	0.11	0.55
E00004817	2.550	<5	0.96	0.21	4	45	1.69	1.37
E00004818	2.670	<5	0.14	0.15	<1	31	0.21	0.88
E00004819	2.485	<5	0.14	0.13	2	24	0.15	0.90
E00004820	0.110	<5	0.07	1.33	<1	121	0.05	0.80
E00004821	2.250	9	0.05	0.26	1	31	0.09	0.39
E00004822	3.205	<5	0.08	0.20	1	19	0.27	0.35

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E00004823	3.050	<5	0.07	1.16	<1	65	0.08	1.75
E00004824	3.290	<5	0.07	0.37	<1	111	0.08	0.95
E00004825	3.420	<5	0.03	1.46	2	116	0.06	1.33
E00004826	3.355	6	0.05	1.38	2	112	0.09	0.88
*Rep E00004769		6						
*Rep E00004795		<5						
*Rep E00004819		<5						
*Std OREAS151B		65						
*Std OXB130		122						
*Std OXH97		1270						
*Std OXN117		7560						
*Std OREAS151B		63						
*Blk BLANK		<5						
*Blk BLANK		<5						
*Rep E00004755			0.70	1.21	23	600	0.11	1.17
*Rep E00004782			0.27	1.20	9	632	0.21	0.56
*Rep E00004803			0.06	1.84	<1	157	0.05	1.99
*Rep E00004824			0.07	0.36	<1	108	0.08	0.93
*Std OREAS209			0.27	1.17	1040	78	0.05	1.42
*Std OREAS209			0.25	1.18	1120	82	0.05	1.40
*Blk BLANK			<0.01	<0.01	<1	<5	<0.02	<0.01
*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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E00004745	0.18	66.2	12.7	36	43.2	3.06	4.8	0.02
E00004746	0.08	68.7	9.7	26	25.0	2.18	3.4	0.03
E00004747	0.77	54.7	8.4	31	42.4	2.17	3.7	<0.01
E00004748	2.21	73.1	11.4	39	47.9	2.99	5.1	0.02
E00004749	1.50	54.3	11.6	43	48.0	2.64	5.4	0.02
E00004750	0.05	13.2	7.7	15	59.1	2.76	4.1	0.02
E00004751	2.60	62.6	11.7	46	52.9	3.02	6.1	0.01
E00004752	1.50	22.6	10.4	65	75.4	2.54	2.7	0.06
E00004753	1.30	40.9	14.3	50	86.3	3.09	2.9	0.03
E00004754	1.94	27.5	15.9	39	88.5	3.70	2.8	0.02
E00004755	2.28	20.9	11.0	52	73.7	3.21	4.5	0.02
E00004756	0.94	31.9	10.0	32	83.7	2.90	2.8	0.03
E00004757	2.92	21.9	12.0	50	72.5	2.79	3.7	0.04
E00004758	1.53	17.4	10.6	45	67.4	2.94	2.2	0.07
E00004759	1.05	20.6	11.8	56	35.4	2.78	3.5	0.08
E00004760	0.15	15.2	15.5	93	102	4.30	6.3	0.25
E00004761	0.71	63.9	13.5	52	40.6	3.21	4.6	0.04
E00004762	0.15	59.3	12.1	49	33.5	3.02	7.9	0.02
E00004763	0.23	49.8	9.2	58	38.1	2.44	7.1	0.02
E00004764	0.17	45.8	8.1	48	32.3	2.14	6.3	0.03
E00004765	0.12	44.0	7.3	36	27.3	1.87	5.6	0.03
E00004766	0.07	56.3	7.6	41	16.8	2.69	6.3	0.01
E00004767	0.07	75.3	7.7	31	17.3	2.47	4.7	<0.01
E00004768	0.04	90.6	10.5	37	29.7	3.53	5.7	<0.01
E00004769	0.09	80.8	10.5	35	21.2	2.84	6.1	<0.01
E00004770	0.05	77.2	9.2	37	29.8	2.99	5.9	<0.01
E00004771	0.04	76.2	9.0	39	24.8	3.08	5.8	<0.01
E00004772	0.07	87.0	10.0	39	19.1	2.93	6.2	<0.01
E00004773	0.05	99.6	11.3	48	24.2	3.74	7.3	0.02
E00004774	0.25	105	11.7	38	27.8	4.57	4.5	0.09
E00004775	0.91	39.6	8.1	23	47.7	2.82	1.8	0.06
E00004776	1.06	24.0	8.4	41	68.9	2.87	3.4	0.01
E00004777	0.56	49.6	8.0	42	37.2	3.23	4.5	0.01
E00004778	0.19	46.0	9.1	28	48.2	2.90	2.7	0.05
E00004779	0.07	50.0	7.8	25	37.5	2.98	1.9	0.04
*Dup E00004779	0.07	49.9	7.5	26	35.8	3.12	1.9	0.03
E00004780	0.05	13.2	7.6	15	54.5	2.70	4.0	0.03
E00004781	0.10	38.9	8.0	30	35.6	2.31	2.5	0.04
E00004782	0.73	38.9	11.0	74	59.6	3.05	5.2	0.02
E00004783	1.29	25.7	8.7	48	63.7	2.88	3.4	0.01

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E00004784	2.78	14.6	6.2	30	95.6	1.98	1.3	0.06
E00004785	3.02	23.9	10.8	53	134	2.53	2.6	0.14
E00004786	0.91	60.5	18.7	78	56.7	4.16	7.0	0.02
E00004787	0.59	37.7	14.8	89	45.7	3.05	6.0	0.04
E00004788	0.85	25.2	11.8	84	61.2	3.11	6.5	0.02
E00004789	0.69	37.1	9.8	63	52.4	3.15	4.9	0.01
E00004790	0.16	14.9	15.1	93	104	4.21	6.2	0.26
E00004791	0.43	44.7	10.6	59	56.7	2.79	5.4	<0.01
E00004792	1.09	31.2	9.7	66	98.8	2.88	4.3	<0.01
E00004793	1.07	40.4	12.0	75	61.0	3.37	5.5	0.01
E00004794	1.15	30.5	14.2	89	67.8	2.95	6.4	<0.01
E00004795	1.71	27.9	13.9	77	71.0	3.22	5.7	0.03
E00004796	0.88	28.4	15.1	88	75.9	3.72	6.2	0.02
E00004797	0.72	33.2	14.2	80	65.8	2.74	5.2	0.01
E00004798	0.17	80.3	15.2	67	36.5	3.42	6.5	<0.01
E00004799	1.09	62.1	17.7	42	85.6	4.18	3.8	0.02
E00004800	0.26	44.7	14.8	45	31.2	3.93	7.5	<0.01
E00004801	0.09	7.48	14.8	82	37.4	2.26	5.1	0.04
E00004802	0.28	13.5	14.9	107	32.7	2.89	6.2	0.02
E00004803	0.13	14.9	19.1	132	22.3	3.81	8.8	<0.01
E00004804	0.58	18.8	17.9	73	30.7	3.62	6.7	0.02
E00004805	0.89	46.4	5.5	19	32.3	2.31	1.4	0.02
E00004806	0.29	56.3	11.6	68	18.0	3.35	6.6	0.03
E00004807	0.16	66.5	9.2	52	13.0	3.18	7.9	0.03
E00004808	0.11	92.2	5.7	31	12.3	2.78	6.5	0.04
E00004809	0.07	46.1	16.0	76	34.3	3.03	7.8	0.04
E00004810	0.06	19.6	16.7	73	42.5	2.93	6.9	0.03
E00004811	0.06	20.0	17.7	77	39.4	3.07	7.4	0.02
E00004812	0.10	18.5	15.8	74	35.7	2.78	7.0	<0.01
E00004813	0.41	79.0	10.8	41	25.1	3.40	9.7	0.02
E00004814	0.31	65.6	12.4	33	14.3	4.04	10.3	<0.01
*Dup E00004814	0.32	66.6	12.6	36	15.6	4.09	10.7	<0.01
E00004815	0.14	92.5	9.6	29	15.4	3.08	7.9	0.03
E00004816	0.13	112	4.5	17	10.7	2.26	3.4	0.03
E00004817	1.96	85.7	5.4	21	24.4	2.79	2.0	0.04
E00004818	0.37	103	3.8	19	10.2	1.77	1.6	0.03
E00004819	0.39	101	3.8	26	33.0	1.64	1.4	0.04
E00004820	0.05	12.8	7.8	15	52.0	2.66	4.2	0.03
E00004821	0.10	88.6	3.8	19	8.2	2.14	3.8	0.01
E00004822	0.13	100	2.7	25	7.2	2.25	2.9	0.03

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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
E00004823	0.15	44.5	11.2	62	16.6	3.78	8.4	0.01
E00004824	0.14	70.3	4.6	16	12.4	4.20	5.0	0.03
E00004825	0.04	47.4	14.2	45	15.1	2.75	6.3	0.32
E00004826	0.05	53.2	8.7	45	16.4	2.65	7.7	0.02
*Rep E00004755	2.37	21.2	11.3	51	73.4	3.29	4.6	0.02
*Rep E00004782	0.71	38.5	10.8	73	59.7	2.99	5.1	0.03
*Rep E00004803	0.13	14.8	19.0	130	22.8	3.80	8.8	0.01
*Rep E00004824	0.16	68.9	4.5	16	11.9	4.12	4.9	0.04
*Std OREAS209	0.07	25.0	28.1	39	77.1	5.65	3.7	<0.01
*Std OREAS209	0.07	24.8	29.1	40	74.2	5.76	3.8	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
*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
E00004745	0.57	34.0	0.47	390	5.89	0.03	28.3	300
E00004746	0.45	33.8	0.37	291	2.58	0.03	19.1	290
E00004747	0.30	22.3	0.30	532	3.04	0.03	20.2	230
E00004748	0.48	35.8	0.45	707	3.27	0.04	27.5	330
E00004749	0.70	23.2	0.76	571	3.85	0.03	38.2	580
E00004750	0.20	6.1	0.60	329	2.73	0.14	6.5	660
E00004751	0.61	27.3	0.54	627	3.90	0.07	34.3	670
E00004752	0.21	13.6	0.55	525	9.71	0.02	70.1	1680
E00004753	0.31	19.3	0.40	498	6.31	0.03	90.0	1430
E00004754	0.18	14.8	0.31	868	5.75	0.02	81.4	1020
E00004755	0.23	11.4	0.42	478	8.61	0.03	60.6	1870
E00004756	0.27	16.0	0.26	289	4.77	0.02	52.3	1050
E00004757	0.19	12.3	0.24	489	10.3	0.02	80.4	2190
E00004758	0.14	9.6	1.11	724	9.24	0.02	62.1	1530
E00004759	0.15	11.2	0.11	468	10.4	0.02	84.3	1480
E00004760	0.35	7.3	1.15	587	7.23	0.22	41.6	710
E00004761	0.33	27.8	1.48	1300	5.21	0.04	69.3	2240
E00004762	0.59	30.7	0.71	434	3.42	0.11	30.4	490
E00004763	0.59	21.6	0.71	327	3.72	0.12	20.6	470
E00004764	0.55	19.7	0.74	297	2.95	0.10	18.8	430
E00004765	0.51	18.9	0.76	271	2.66	0.09	17.8	380
E00004766	0.69	23.7	0.62	394	2.23	0.08	15.7	390
E00004767	0.57	37.4	0.48	397	1.83	0.03	17.7	390
E00004768	0.66	45.6	0.69	428	1.59	0.03	25.0	440
E00004769	0.70	40.7	0.65	362	1.49	0.05	22.5	310
E00004770	0.56	39.1	0.73	382	1.86	0.04	21.9	450
E00004771	0.56	39.0	0.72	389	1.88	0.04	21.4	450
E00004772	0.81	43.6	0.70	384	1.49	0.04	21.7	510
E00004773	0.87	50.9	0.85	507	1.65	0.05	24.0	540
E00004774	0.61	53.6	1.07	795	1.40	0.04	24.7	560
E00004775	0.25	17.5	0.64	266	3.82	0.02	34.4	440
E00004776	0.46	12.9	0.54	225	9.95	0.02	41.7	1200
E00004777	0.61	21.5	0.74	284	2.52	0.03	36.1	450
E00004778	0.40	19.9	0.70	243	3.88	0.02	34.7	320
E00004779	0.23	21.8	0.68	283	2.43	0.02	31.2	290
*Dup E00004779	0.24	21.9	0.68	296	2.35	0.02	30.2	300
E00004780	0.19	6.2	0.59	325	2.63	0.14	6.4	650
E00004781	0.33	16.6	0.49	197	3.82	0.02	23.5	280
E00004782	0.62	17.0	0.98	477	12.3	0.03	52.7	780
E00004783	0.33	13.5	0.80	493	12.6	0.02	44.0	930

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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
E00004784	0.10	8.0	0.77	365	134	0.01	35.7	840
E00004785	0.18	11.9	0.81	521	54.1	0.03	41.1	1020
E00004786	0.78	26.1	1.23	955	24.4	0.04	59.6	1270
E00004787	0.72	16.6	1.19	648	18.0	0.04	66.8	1160
E00004788	0.85	13.2	1.09	473	5.94	0.06	51.9	1230
E00004789	0.65	16.5	0.81	417	5.33	0.02	42.5	920
E00004790	0.34	7.1	1.13	578	7.59	0.21	41.1	700
E00004791	0.76	19.9	0.87	326	4.90	0.02	44.6	980
E00004792	0.56	16.5	0.87	406	35.1	0.03	52.4	990
E00004793	0.53	17.7	1.09	506	20.1	0.02	49.2	1080
E00004794	0.79	16.5	1.25	574	9.69	0.03	58.1	1150
E00004795	0.62	15.2	1.16	546	30.9	0.04	55.1	1140
E00004796	0.83	15.1	1.28	633	9.79	0.04	54.9	1070
E00004797	0.58	17.4	1.17	587	21.0	0.03	49.4	1070
E00004798	0.90	37.3	1.23	540	4.48	0.05	40.5	690
E00004799	0.19	26.2	1.30	808	79.2	0.05	35.5	1150
E00004800	0.48	17.9	1.37	801	2.94	0.09	22.8	1070
E00004801	0.28	3.3	1.24	451	8.23	0.15	39.3	800
E00004802	0.33	6.0	1.34	772	11.0	0.13	43.3	720
E00004803	0.89	6.6	1.81	757	2.74	0.14	59.2	880
E00004804	0.56	8.6	1.63	742	2.70	0.16	35.7	1080
E00004805	0.04	18.8	0.39	557	3.63	0.11	8.9	490
E00004806	0.55	23.0	1.13	780	4.12	0.12	30.1	620
E00004807	0.60	27.7	0.91	652	2.60	0.09	21.8	560
E00004808	0.35	45.8	0.40	503	3.46	0.12	17.8	420
E00004809	0.84	19.3	1.44	551	4.16	0.15	38.9	770
E00004810	0.65	9.4	1.40	497	2.66	0.16	31.1	1080
E00004811	0.63	9.5	1.40	523	2.69	0.19	33.2	1120
E00004812	0.76	8.9	1.36	474	3.31	0.12	30.4	880
E00004813	0.73	33.3	0.96	693	6.70	0.09	16.9	800
E00004814	1.02	29.9	1.04	731	3.97	0.20	16.1	1610
*Dup E00004814	1.02	27.1	1.06	765	3.97	0.16	15.3	1530
E00004815	0.68	45.7	0.70	577	3.38	0.11	12.0	1080
E00004816	0.12	56.9	0.12	481	3.83	0.08	8.1	270
E00004817	0.07	42.5	0.25	726	4.67	0.11	8.5	440
E00004818	0.03	52.1	0.12	441	3.75	0.07	5.3	240
E00004819	0.03	51.3	0.09	438	5.15	0.10	8.8	100
E00004820	0.19	6.3	0.59	328	2.66	0.15	6.6	700
E00004821	0.16	42.4	0.10	361	3.42	0.08	7.8	200
E00004822	0.14	50.2	0.07	434	5.28	0.08	8.3	90

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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
E00004823	0.64	17.8	1.00	777	3.09	0.07	24.1	590
E00004824	0.15	28.1	0.14	698	4.65	0.11	6.6	700
E00004825	0.57	20.8	0.47	400	5.10	0.05	22.3	380
E00004826	0.59	23.9	0.57	361	9.41	0.06	22.2	330
*Rep E00004755	0.24	11.6	0.42	486	8.64	0.03	62.1	1910
*Rep E00004782	0.61	16.8	0.96	467	11.7	0.02	51.9	740
*Rep E00004803	0.89	6.6	1.80	754	2.88	0.14	59.4	900
*Rep E00004824	0.15	27.8	0.14	683	4.51	0.10	6.4	690
*Std OREAS209	0.06	13.1	2.29	1330	1.93	0.15	108	1590
*Std OREAS209	0.07	13.6	2.33	1350	2.02	0.17	110	1660
*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
*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 %
E00004745	8.0	34.0	0.10	2.6	0.8	6.4	10.2	0.04
E00004746	7.1	27.4	0.07	2.1	0.6	6.9	13.1	0.05
E00004747	27.6	16.4	0.12	2.1	0.6	12.2	9.6	0.03
E00004748	26.9	24.2	0.11	3.5	0.7	14.1	11.6	0.03
E00004749	18.4	42.3	0.34	4.8	0.8	21.2	8.2	0.08
E00004750	3.1	7.2	0.06	2.0	0.3	59.2	2.4	0.11
E00004751	28.8	40.4	1.43	4.9	0.9	39.9	11.2	0.06
E00004752	20.9	14.8	5.20	3.3	0.7	72.9	3.8	0.01
E00004753	9.3	20.7	2.15	3.5	0.6	71.6	4.7	0.02
E00004754	8.2	12.0	2.00	3.8	0.6	69.3	4.6	<0.01
E00004755	6.6	14.8	5.63	4.5	0.9	139	3.6	0.05
E00004756	7.0	16.3	2.24	3.0	0.5	66.2	4.8	<0.01
E00004757	8.9	11.5	6.89	4.0	0.8	121	3.7	0.02
E00004758	15.6	7.9	5.53	4.0	0.7	145	3.2	<0.01
E00004759	10.0	7.7	2.87	4.8	0.9	117	4.3	<0.01
E00004760	38.0	13.4	3.67	4.2	0.8	95.0	3.6	0.17
E00004761	10.7	25.4	16.4	8.4	0.9	141	12.8	0.03
E00004762	5.6	45.4	0.26	5.3	1.4	94.3	13.7	0.13
E00004763	14.5	47.4	0.13	5.3	1.2	56.2	12.2	0.13
E00004764	14.7	43.6	0.11	4.4	1.1	49.0	10.8	0.12
E00004765	14.4	41.1	0.10	3.9	1.0	42.6	10.0	0.11
E00004766	6.9	61.1	0.16	4.3	1.4	43.3	13.1	0.12
E00004767	11.0	37.7	0.24	2.9	0.9	13.4	12.4	0.05
E00004768	9.8	41.5	0.14	3.5	0.6	19.1	15.3	0.05
E00004769	11.3	42.4	0.08	3.7	0.7	22.6	16.5	0.07
E00004770	7.4	39.3	0.13	3.2	1.1	33.5	13.2	0.07
E00004771	7.3	39.0	0.12	3.2	0.8	32.8	13.0	0.08
E00004772	7.2	60.2	0.06	3.6	0.7	21.8	14.8	0.08
E00004773	7.1	65.2	0.10	5.0	1.1	25.5	16.5	0.08
E00004774	10.5	38.5	2.17	6.5	0.7	41.1	17.4	0.04
E00004775	4.7	16.7	3.03	2.4	0.3	52.8	6.5	<0.01
E00004776	4.7	40.2	2.77	3.3	0.9	15.0	4.3	0.03
E00004777	6.2	48.7	3.06	3.4	0.5	16.0	8.0	0.04
E00004778	3.5	32.9	3.16	3.0	0.4	21.6	7.7	0.02
E00004779	3.5	16.6	3.72	3.0	0.6	27.7	7.5	<0.01
*Dup E00004779	3.7	16.8	3.54	3.0	0.5	28.3	7.6	<0.01
E00004780	3.2	7.2	0.07	2.1	<0.3	60.0	2.3	0.11
E00004781	3.1	26.9	1.84	2.3	0.5	9.6	6.5	0.02
E00004782	4.6	51.7	2.10	5.1	0.9	23.5	5.6	0.05
E00004783	4.6	32.6	2.33	4.9	0.5	54.0	4.1	0.02

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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	%
E00004784	23.7	8.8	2.80	3.1	0.3	69.2	2.7	<0.01
E00004785	172	14.9	1.80	5.8	1.3	47.2	4.1	0.01
E00004786	10.8	66.1	3.37	7.6	1.5	54.4	7.7	0.07
E00004787	5.1	51.4	1.68	5.6	0.9	45.0	5.1	0.13
E00004788	2.8	52.1	0.81	4.9	1.0	35.5	4.4	0.12
E00004789	4.5	37.8	0.95	4.0	0.6	14.7	5.1	0.07
E00004790	37.8	13.4	3.60	4.2	0.8	92.0	3.7	0.17
E00004791	5.9	51.1	10.6	4.6	0.7	16.2	6.4	0.09
E00004792	31.4	44.5	2.39	4.7	1.0	26.4	5.4	0.05
E00004793	7.5	34.1	1.43	5.5	0.6	23.5	5.5	0.05
E00004794	4.4	48.9	1.56	6.2	0.8	18.5	4.0	0.07
E00004795	11.7	35.3	1.18	6.8	1.3	25.0	3.8	0.06
E00004796	4.7	48.2	1.15	7.7	1.0	23.1	3.9	0.09
E00004797	12.3	33.9	0.85	7.6	1.1	39.7	5.3	0.05
E00004798	7.0	61.8	1.76	8.2	1.3	35.6	12.2	0.09
E00004799	34.9	20.6	3.29	10.7	0.8	80.2	7.0	<0.01
E00004800	11.0	52.1	0.90	10.2	2.2	72.5	4.4	0.20
E00004801	6.4	23.7	0.09	9.5	1.2	36.0	1.8	0.29
E00004802	8.1	34.0	0.11	7.8	3.6	67.2	1.4	0.29
E00004803	3.1	86.4	0.14	9.0	2.4	53.7	1.8	0.37
E00004804	9.1	41.1	0.35	10.8	1.7	70.0	2.3	0.29
E00004805	19.3	3.9	0.29	4.1	0.6	45.3	10.0	<0.01
E00004806	5.0	47.6	0.14	7.9	2.1	81.9	10.9	0.16
E00004807	5.5	54.1	0.08	6.1	3.2	48.0	12.9	0.17
E00004808	5.0	34.6	0.07	3.7	4.7	21.7	14.6	0.14
E00004809	3.1	71.1	0.08	7.1	3.0	30.7	7.8	0.33
E00004810	1.8	44.1	0.07	8.0	1.7	17.2	3.1	0.38
E00004811	1.7	43.8	0.05	8.8	1.9	17.7	3.1	0.41
E00004812	3.1	50.5	0.08	5.8	2.1	32.9	3.9	0.38
E00004813	8.3	59.5	0.16	5.9	2.8	45.9	10.6	0.21
E00004814	8.3	63.2	<0.05	7.2	2.5	35.7	6.5	0.36
*Dup E00004814	8.4	63.0	0.05	7.7	3.1	36.5	6.8	0.39
E00004815	4.4	43.1	0.05	4.7	3.7	24.4	12.6	0.27
E00004816	2.9	13.0	0.16	1.9	3.3	15.3	12.9	0.04
E00004817	38.4	7.0	0.42	3.2	1.6	34.1	10.5	0.01
E00004818	9.3	4.1	0.15	1.8	3.4	17.5	9.3	0.05
E00004819	8.3	2.8	0.58	1.3	1.4	17.8	9.3	<0.01
E00004820	3.3	7.4	0.06	2.2	<0.3	64.5	2.1	0.12
E00004821	4.1	22.6	0.22	1.4	3.1	12.4	21.7	0.03
E00004822	11.8	14.4	0.17	1.1	2.0	10.0	19.1	<0.01

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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 %
E00004823	3.3	42.4	0.11	7.2	1.4	51.0	4.3	0.15
E00004824	2.1	8.6	0.07	3.7	2.2	23.3	3.9	0.19
E00004825	3.0	40.3	0.09	3.3	1.5	61.4	8.2	0.14
E00004826	3.2	43.6	0.08	3.7	1.6	42.8	8.5	0.16
*Rep E00004755	6.7	15.0	5.78	4.6	1.0	144	3.6	0.05
*Rep E00004782	4.6	50.4	2.05	5.0	0.9	23.5	5.5	0.05
*Rep E00004803	3.1	86.9	0.15	9.1	2.4	53.1	1.7	0.37
*Rep E00004824	2.2	8.5	0.06	3.7	2.2	23.6	3.8	0.18
*Std OREAS209	3.0	3.8	1.05	3.5	0.9	58.7	1.6	0.12
*Std OREAS209	2.9	4.0	1.03	3.6	0.9	61.9	1.5	0.13
*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
*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
E00004745	0.23	1.69	23	18.4	12.0	64
E00004746	0.19	1.38	15	23.0	9.27	44
E00004747	0.13	1.98	24	4.1	8.67	96
E00004748	0.24	5.25	29	6.4	11.4	237
E00004749	0.36	1.78	76	7.3	12.7	236
E00004750	0.04	0.60	111	7.0	4.43	34
E00004751	0.48	2.67	52	2.2	12.3	278
E00004752	0.30	2.10	112	13.3	13.4	242
E00004753	0.24	2.93	86	8.0	18.5	374
E00004754	0.14	1.60	75	3.4	17.5	450
E00004755	0.18	2.13	130	5.1	12.5	284
E00004756	0.18	1.64	66	5.4	9.03	272
E00004757	0.45	2.02	160	4.0	14.6	429
E00004758	0.23	2.08	83	9.6	11.1	158
E00004759	0.46	3.45	123	4.0	12.8	169
E00004760	0.09	0.94	120	20.9	6.08	68
E00004761	0.78	2.97	105	2.3	22.2	134
E00004762	0.30	2.51	41	4.2	10.7	67
E00004763	0.34	1.79	50	4.2	8.48	58
E00004764	0.28	1.49	38	6.0	8.09	50
E00004765	0.24	1.28	27	7.6	7.96	41
E00004766	0.32	1.65	30	2.9	10.4	48
E00004767	0.27	1.46	21	0.8	13.6	51
E00004768	0.27	2.10	25	0.6	16.4	64
E00004769	0.29	2.27	28	1.1	11.8	62
E00004770	0.25	1.81	25	1.0	15.1	54
E00004771	0.25	1.77	26	1.3	14.8	53
E00004772	0.33	1.98	27	0.7	16.1	59
E00004773	0.35	2.44	35	0.5	17.4	66
E00004774	0.31	2.73	29	0.4	16.1	99
E00004775	0.21	1.60	25	2.4	6.28	164
E00004776	0.29	2.06	86	3.7	9.17	177
E00004777	0.32	1.64	52	1.6	7.11	144
E00004778	0.30	1.72	33	1.6	5.97	85
E00004779	0.20	1.36	28	0.8	6.71	66
*Dup E00004779	0.20	1.37	29	0.8	6.65	61
E00004780	0.04	0.66	109	6.9	4.39	35
E00004781	0.19	0.84	28	11.9	6.40	50
E00004782	0.49	1.40	89	3.0	11.0	117
E00004783	0.40	1.82	82	2.1	11.0	141

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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
E00004784	0.18	2.12	40	2.8	8.20	140
E00004785	0.42	2.77	79	1.7	12.6	149
E00004786	0.64	1.67	101	1.6	16.8	129
E00004787	0.54	1.65	97	7.0	11.9	122
E00004788	0.47	1.69	120	2.1	10.9	129
E00004789	0.34	1.82	87	1.8	12.9	108
E00004790	0.09	0.95	117	20.8	6.22	66
E00004791	0.45	2.27	93	2.2	13.1	116
E00004792	0.45	2.56	76	1.8	12.1	108
E00004793	0.41	2.16	107	1.0	13.0	128
E00004794	0.63	1.87	135	1.3	12.5	151
E00004795	0.38	2.17	125	2.0	13.6	157
E00004796	0.56	1.82	129	2.3	12.7	121
E00004797	0.47	1.99	105	1.4	14.3	114
E00004798	0.52	2.12	54	1.1	15.9	72
E00004799	0.26	1.77	56	0.3	18.4	92
E00004800	0.47	1.05	74	0.9	20.6	78
E00004801	0.23	0.35	67	5.5	12.0	34
E00004802	0.35	0.53	69	2.5	14.3	64
E00004803	0.66	0.53	91	1.2	16.8	100
E00004804	0.37	0.93	79	1.4	17.2	72
E00004805	0.03	2.53	10	2.8	13.9	54
E00004806	0.38	2.40	60	3.9	22.2	63
E00004807	0.37	3.14	52	3.4	28.1	69
E00004808	0.25	3.51	21	5.1	38.0	58
E00004809	0.41	1.70	67	2.3	22.9	49
E00004810	0.30	0.56	72	1.9	16.0	40
E00004811	0.29	0.59	78	1.8	17.9	42
E00004812	0.30	0.75	69	1.9	13.4	44
E00004813	0.38	2.03	56	2.7	25.6	81
E00004814	0.44	1.32	81	1.8	28.4	80
*Dup E00004814	0.47	1.36	82	2.0	27.8	76
E00004815	0.28	2.30	57	4.4	33.0	69
E00004816	0.09	2.22	8	6.6	41.2	43
E00004817	0.06	1.93	11	3.7	18.0	83
E00004818	0.03	1.46	11	4.9	26.8	37
E00004819	0.02	1.40	7	4.2	16.1	31
E00004820	0.04	0.58	113	6.5	4.36	35
E00004821	0.15	4.00	8	3.6	58.0	36
E00004822	0.09	3.23	3	5.0	37.2	68

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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
E00004823	0.33	0.92	47	1.8	17.1	62
E00004824	0.07	0.59	9	4.0	22.5	41
E00004825	0.30	1.16	25	74.6	11.0	40
E00004826	0.31	1.26	33	5.1	12.5	51
*Rep E00004755	0.18	2.14	136	5.3	12.6	299
*Rep E00004782	0.48	1.38	87	3.3	10.7	118
*Rep E00004803	0.66	0.51	89	1.1	17.0	99
*Rep E00004824	0.07	0.57	9	4.0	21.7	41
*Std OREAS209	0.03	0.41	41	0.3	12.8	70
*Std OREAS209	0.03	0.37	42	0.3	12.1	69
*Blk BLANK	<0.02	<0.05	<1	<0.1	<0.05	<1
*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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