



**Date Submitted:** 27-Apr-16  
**Invoice No.:** A16-03644  
**Invoice Date:** 30-May-16  
**Your Reference:** CORDILLERA

**Geological Survey of Canada**  
**475-601 BOOTH ST**  
**OTTAWA ON K1A0E8**  
**Canada**

**ATTN: Alex Zagorevski**

## CERTIFICATE OF ANALYSIS

104 Crushed Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 4LITHORES (11+) Major Elements Fusion ICP(WRA)/Trace Elements Fusion ICP/MS(WRA4B2)

REPORT      **A16-03644**

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Notes:

We recommend using option 4B1 for accurate levels of the base metals Cu, Pb, Zn, Ni and Ag. Option 4B-INAA for As, Sb, high W >100ppm, Cr >1000ppm and Sn >50ppm by Code 5D. Values for these elements provided by Fusion ICP/MS, are order of magnitude only and are provided for general information. Mineralized samples should have the Quant option selected or request assays for values which exceed the range of option 4B1. Total includes all elements in % oxide to the left of total. Zr is now being reported from FUS-ICP instead of FUS-MS.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive, somewhat stylized font.

Emmanuel Esemé, Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
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## Results

## Activation Laboratories Ltd.

## Report: A16-03644

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	0.5	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
15ZESM064	56.83	15.66	6.32	0.101	3.82	6.01	4.24	2.45	0.576	0.24	3.83	100.1	16	2	163	100	13	20	40	90	18	1.3	< 5
14ZE818b	63.27	15.03	1.91	0.031	1.06	4.91	4.93	2.28	0.277	0.12	5.31	99.11	5	1	35	20	4	< 20	< 10	< 30	15	0.9	< 5
14ZE815	60.78	14.17	6.69	0.089	2.26	4.20	4.74	0.72	0.706	0.07	5.15	99.58	16	< 1	154	30	12	< 20	40	50	14	1.5	< 5
15KNA019B	42.01	11.98	5.45	0.376	2.56	15.82	3.22	2.33	0.487	0.18	14.17	98.58	14	1	134	110	13	30	40	60	13	1.4	5
15KNA010B	62.59	15.70	5.43	0.103	2.03	3.53	4.65	2.34	0.528	0.21	3.23	100.3	11	2	121	60	10	< 20	20	70	18	1.2	< 5
14ZE738	48.01	12.94	7.98	0.131	8.00	8.77	2.97	2.29	0.745	0.20	7.33	99.36	34	< 1	235	360	22	60	40	70	15	1.0	5
15KNA020	63.37	13.81	5.73	0.080	2.15	2.55	3.34	2.71	0.596	0.20	4.20	98.73	10	1	139	60	9	< 20	20	60	17	1.2	7
15KNA017	72.46	14.04	1.13	0.031	0.42	0.66	4.74	3.46	0.164	0.07	1.61	98.77	3	< 1	31	50	5	< 20	< 10	< 30	11	0.8	< 5
15ZE952	56.07	17.37	3.44	0.074	1.62	7.27	5.16	2.74	0.370	0.17	4.88	99.16	6	2	66	40	7	< 20	30	60	20	1.3	< 5
15KNA005	60.73	15.95	5.94	0.073	1.75	3.14	5.04	2.23	0.499	0.19	4.53	100.1	10	2	120	60	9	< 20	20	80	20	1.2	5
09ZE-016	58.90	16.21	6.81	0.127	2.09	4.20	4.66	3.03	0.675	0.33	3.22	100.3	13	2	145	40	13	< 20	30	90	19	1.3	7
11ZE1003	63.57	17.41	4.31	0.113	1.55	3.81	4.30	1.91	0.459	0.19	2.62	100.2	7	2	112	< 20	6	< 20	10	80	22	1.3	6
09ZE079	54.72	15.10	9.39	0.138	4.27	7.31	3.12	0.30	0.947	0.12	4.43	99.85	26	< 1	283	90	24	20	40	90	18	1.4	< 5
14ZE704B	59.19	16.37	7.03	0.115	2.54	2.44	7.09	0.35	0.693	0.21	3.54	99.57	17	2	177	70	10	< 20	30	80	19	1.5	6
15ZE0951	64.76	10.30	4.84	0.092	2.40	6.20	3.68	0.27	0.499	0.13	6.17	99.32	16	< 1	122	100	11	30	40	40	10	1.5	< 5
15ZE0982	60.20	16.15	5.89	0.088	3.00	5.52	4.05	2.13	0.541	0.25	1.64	99.46	17	2	148	110	11	30	20	80	19	1.4	< 5
15ZE1079	54.50	14.14	7.97	0.132	5.72	6.32	3.72	2.42	0.725	0.27	3.97	99.91	26	2	216	390	21	110	50	70	15	1.8	6
14ZE-716 15-30	94.44	1.81	0.64	0.008	0.18	0.19	0.32	0.38	0.072	< 0.01	0.43	98.47	3	< 1	9	30	3	< 20	10	110	3	1.0	5
14ZE-717 15-31	72.23	8.28	2.38	0.091	1.31	5.84	1.93	1.55	0.345	0.11	5.86	99.93	6	1	47	60	6	30	< 10	60	11	1.1	7
14ZE-720 15-32	50.98	12.95	8.09	0.135	10.66	7.03	4.46	0.02	0.252	0.02	6.02	100.6	41	< 1	228	650	37	120	90	60	11	0.9	18
14ZE-721 15-33	51.86	12.82	8.83	0.146	11.42	9.82	1.68	0.02	0.211	< 0.01	3.16	99.97	40	< 1	230	810	46	240	30	50	12	1.4	< 5
14ZE-722A 15-34	53.29	12.03	8.93	0.133	11.68	7.76	3.57	0.11	0.182	0.02	2.52	100.2	43	< 1	251	810	48	200	< 10	50	9	1.2	< 5
14ZE-722B 15-35	50.95	10.94	9.42	0.145	13.87	8.22	2.55	0.16	0.163	0.01	3.13	99.56	45	< 1	249	1080	53	260	< 10	50	10	1.2	< 5
14ZE-723 15-36	56.92	15.68	7.38	0.109	5.49	8.23	4.18	0.02	0.506	0.05	1.98	100.5	34	< 1	218	90	27	50	10	< 30	12	1.3	< 5
14ZE-724 15-37	48.51	9.25	9.05	0.172	16.21	7.66	1.68	0.01	0.155	0.01	5.59	98.30	37	< 1	202	1410	54	370	< 10	60	8	1.0	< 5
14ZE-725A 15-38	43.19	0.95	6.61	0.211	29.61	9.84	0.11	0.01	0.047	< 0.01	8.05	98.63	23	< 1	68	2920	69	410	< 10	40	< 1	1.1	< 5
14ZE-726A 15-39	49.69	10.90	8.81	0.156	14.51	9.59	1.30	0.02	0.201	0.01	3.67	98.84	37	< 1	210	1340	52	340	40	70	11	1.4	< 5
14ZE-727A 15-40	52.85	7.91	8.88	0.172	18.33	6.21	0.19	0.02	0.149	0.02	4.60	99.32	40	< 1	187	1330	57	320	20	60	7	1.1	< 5
14ZE-727B 15-41	38.87	1.35	10.43	0.115	36.19	0.07	0.02	< 0.01	0.026	0.01	11.69	98.78	10	< 1	50	4650	119	1470	20	100	3	1.2	< 5
14ZE-728 15-42	32.38	0.34	8.71	0.145	41.75	0.05	< 0.01	< 0.01	0.011	0.02	14.94	98.35	4	< 1	31	5200	120	2030	< 10	60	1	0.8	12
14ZE-729 15-43	33.20	0.37	8.94	0.203	14.48	28.26	0.03	< 0.01	0.087	< 0.01	13.88	99.46	37	< 1	105	200	40	170	10	< 30	< 1	< 0.5	< 5
14ZE-730 15-44	46.49	16.35	9.57	0.155	8.09	12.27	2.38	0.13	0.712	0.05	3.34	99.53	38	< 1	245	900	46	150	40	100	18	2.1	< 5
14ZE-732A 15-45	39.49	0.44	5.17	0.038	42.67	0.02	0.02	< 0.01	0.002	< 0.01	10.95	98.79	3	< 1	20	2970	73	2030	< 10	< 30	< 1	0.7	< 5
14ZE-733 15-46	46.20	13.45	15.00	0.216	5.33	9.06	6.43	0.29	2.167	0.14	2.24	100.5	42	< 1	493	80	43	40	20	120	19	1.1	< 5
14ZE-734A 15-47	36.58	0.14	7.51	0.108	48.70	0.05	0.01	< 0.01	0.003	0.01	6.61	99.72	4	< 1	11	2270	126	2560	< 10	50	< 1	0.8	< 5
14ZE-734B 15-48	36.39	0.08	7.28	0.107	49.99	0.05	< 0.01	< 0.01	0.001	< 0.01	5.96	99.87	4	< 1	10	1050	124	2640	< 10	40	< 1	0.7	< 5
14ZE-734C 15-49	38.25	0.34	7.53	0.128	41.62	1.08	0.01	< 0.01	0.003	0.01	10.16	99.12	9	< 1	27	2630	111	1900	< 10	60	< 1	0.6	< 5
14ZE-741A 15-52	40.93	0.92	7.47	0.103	37.98	0.01	< 0.01	< 0.01	0.014	0.01	11.78	99.22	8	< 1	31	2710	106	1910	20	40	2	1.2	< 5
14ZE-741B 15-53	52.80	15.62	9.82	0.175	5.99	10.02	2.27	0.04	0.601	0.05	2.91	100.3	39	< 1	322	220	24	80	< 10	60	16	1.7	< 5
14ZE-742 15-54	50.93	13.45	10.20	0.187	11.10	7.70	2.61	0.07	0.602	0.04	3.44	100.3	45	< 1	300	600	44	190	20	130	12	1.3	< 5
14ZE-743A 15-55	73.69	12.50	3.24	0.041	0.70	4.02	4.59	0.03	0.294	0.07	0.88	100.1	12	< 1	17	30	4	< 20	10	< 30	11	1.2	< 5
14ZE-743B 15-56	54.19	14.39	7.96	0.138	8.99	6.95	3.63	0.03	0.390	0.04	3.00	99.72	36	< 1	231	350	33	160	60	80	13	1.3	< 5
14ZE-743C 15-57	54.45	14.31	8.04	0.147	8.24	7.06	4.02	0.03	0.367	0.02	3.01	99.68	37	< 1	243	370	34	120	10	70	12	1.4	< 5
14ZE-743D 15-58	55.17	13.57	8.06	0.144	8.18	8.29	2.55	0.03	0.325	0.03	3.01	99.36	39	< 1	225	350	27	120	50	90	13	1.4	< 5
14ZE-743E 15-59	53.90	15.64	8.90	0.146	6.79	7.69	3.94	0.02	0.422	0.04	2.57	100.1	40	< 1	278	150	32	80	20	110	17	1.8	< 5
14ZE-743F 15-60	52.76	8.86	9.49	0.206	14.30	8.77	1.54	0.04	0.271	0.02	3.16	99.42	59	< 1	233	570	48	130	40	100	8	1.5	< 5
14ZE-744 15-61	42.83	14.14	16.91	0.242	6.56	10.13	0.66	0.97	2.725	0.26	3.97	99.40	48	< 1	483	90	54	60	70	190	27	1.9	< 5

## Results

## Activation Laboratories Ltd.

## Report: A16-03644

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	0.5	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
14ZE-745C 15-62	50.25	14.50	11.15	0.181	7.26	9.05	3.78	0.29	1.557	0.14	2.06	100.2	39	< 1	318	300	43	100	40	90	16	1.2	< 5
14ZE-746A 15-63	38.94	14.01	11.24	0.190	8.48	18.38	0.29	0.44	1.359	0.11	6.31	99.74	41	< 1	330	170	42	70	20	80	19	1.5	< 5
14ZE-746B 15-64	41.23	14.72	10.10	0.171	6.47	20.94	0.10	0.05	1.469	0.12	3.93	99.30	37	< 1	300	140	35	60	< 10	70	16	1.2	< 5
14ZE-747A 15-65	40.39	0.25	11.27	0.118	36.61	0.06	0.02	< 0.01	0.010	< 0.01	11.35	100.1	5	< 1	20	2790	136	1340	< 10	50	< 1	1.0	30
14ZE-747B 15-66	49.56	13.91	12.14	0.175	6.61	9.48	3.78	0.18	1.546	0.13	2.39	99.89	39	< 1	340	210	42	80	40	100	15	1.4	< 5
14ZE-749A 15-67	49.94	15.60	11.56	0.166	7.10	6.31	4.49	0.39	1.222	0.09	2.83	99.71	44	< 1	320	280	44	70	70	100	16	1.5	< 5
14ZE-751A 15-68	40.54	0.44	7.13	0.054	38.72	0.25	< 0.01	< 0.01	0.004	< 0.01	12.66	99.80	11	< 1	34	3510	122	2090	20	40	< 1	1.3	5
14ZE-751B 15-69	41.75	0.42	7.34	0.037	38.97	0.07	< 0.01	< 0.01	0.002	< 0.01	11.64	100.2	9	< 1	29	2480	109	1930	40	40	< 1	1.3	< 5
14ZE-752B 15-70	54.18	14.39	6.72	0.127	4.71	6.22	3.53	1.33	0.671	0.25	6.86	98.98	18	1	145	100	22	20	40	80	16	1.2	< 5
14ZE-757A 15-71	42.03	16.78	8.58	0.140	10.85	10.59	1.61	0.09	1.056	0.09	6.68	98.50	39	< 1	317	190	35	70	80	70	19	1.6	< 5
14ZE-757B 15-72	46.59	15.55	12.85	0.223	3.91	10.68	2.39	0.95	1.808	0.17	4.44	99.56	46	< 1	342	200	44	70	90	140	21	2.0	< 5
14ZE-761 15-73	46.41	1.83	7.45	0.137	35.12	6.14	0.06	0.02	0.037	< 0.01	3.10	100.3	10	1	49	2600	102	1790	20	50	2	3.5	11
14ZE-763 15-74	40.66	1.53	8.05	0.114	43.28	1.37	0.02	< 0.01	0.023	0.01	4.78	99.84	9	< 1	33	3090	116	2000	< 10	50	1	1.4	13
14ZE-766A 15-75	48.05	16.38	10.20	0.171	6.71	12.99	2.42	0.31	1.036	0.06	2.06	100.4	42	< 1	296	340	39	80	70	80	19	2.0	< 5
14ZE-766B 15-76	49.22	15.63	10.47	0.150	6.99	9.96	3.45	0.42	1.246	0.11	2.33	99.98	40	< 1	304	290	39	80	50	80	17	1.4	< 5
14ZE-767 15-77	51.97	0.68	7.89	0.115	37.15	0.76	0.05	0.01	0.008	< 0.01	1.53	100.2	6	< 1	27	2670	100	1770	10	50	2	2.5	9
14ZE-768 15-78	45.43	14.49	9.28	0.183	7.20	15.67	2.25	0.02	0.953	0.07	4.29	99.82	36	< 1	251	350	38	70	90	70	17	1.7	5
14ZE-770A 15-79	52.96	13.49	10.08	0.169	5.69	8.69	4.26	0.08	1.144	0.10	1.98	98.64	34	< 1	309	70	34	40	< 10	70	11	1.1	< 5
14ZE-770B 15-80	40.10	0.22	5.89	0.114	39.05	0.06	0.02	< 0.01	0.009	< 0.01	12.94	98.40	4	< 1	17	4760	94	1280	< 10	50	2	1.1	< 5
14ZE-774 15-81	48.90	16.47	5.00	0.114	12.02	10.01	1.43	2.46	0.164	< 0.01	4.18	100.7	41	< 1	151	640	33	160	120	< 30	9	1.1	< 5
14ZE-775A 15-82	43.32	14.91	8.68	0.291	6.85	20.79	0.85	0.01	0.853	0.06	3.93	100.5	29	< 1	259	80	31	40	70	290	15	1.5	< 5
14ZE-775B 15-83	52.73	15.52	7.83	0.199	6.32	10.00	4.60	0.05	0.586	0.04	2.41	100.3	36	< 1	229	110	33	60	10	110	15	1.5	< 5
14ZE-779A 15-84	50.03	14.69	10.91	0.173	6.34	9.22	4.26	0.05	1.439	0.12	2.54	99.76	41	< 1	322	190	35	50	60	80	16	1.3	< 5
14ZE-781 15-85	52.69	17.02	7.01	0.107	3.70	8.74	2.89	1.70	0.692	0.13	5.64	100.3	22	< 1	195	130	20	40	50	70	17	1.2	< 5
14ZE-782A 15-86	50.72	14.85	9.74	0.169	6.42	10.64	2.98	0.15	1.150	0.09	3.44	100.3	39	< 1	293	210	36	60	70	70	16	1.5	< 5
14ZE-782B 15-87	52.78	15.65	9.01	0.154	5.17	11.39	2.74	0.22	0.889	0.06	2.50	100.6	34	< 1	258	90	31	40	50	60	18	1.6	< 5
14ZE-784A 15-88	54.88	15.24	9.02	0.176	4.99	7.17	4.87	0.19	0.943	0.08	2.43	100.0	32	< 1	289	30	27	40	30	40	15	1.7	< 5
14ZE-784B 15-89	46.17	16.50	5.69	0.131	9.45	16.24	1.28	0.08	0.269	< 0.01	4.31	100.1	38	< 1	147	510	35	140	100	30	13	1.8	< 5
14ZE-787A 15-90	41.33	14.02	13.32	0.217	5.74	20.31	0.23	0.05	2.124	0.17	3.01	100.5	40	< 1	402	90	42	50	10	80	17	1.3	< 5
14ZE-787B 15-91	40.63	0.79	8.91	0.113	40.17	0.05	0.02	< 0.01	0.009	< 0.01	8.20	98.90	9	< 1	38	2540	122	2210	< 10	40	1	0.9	< 5
14ZE-771 15-92	48.84	14.73	12.52	0.203	5.86	9.33	3.00	0.86	1.694	0.15	2.19	99.38	38	< 1	376	110	40	60	60	90	17	1.4	< 5
14ZE-789A 15-93	51.17	14.05	10.46	0.185	6.57	10.07	3.26	0.41	1.646	0.17	1.55	99.53	41	< 1	328	310	38	110	30	90	18	1.8	< 5
14ZE-790 15-94	38.40	0.72	7.87	0.113	41.10	0.78	0.02	< 0.01	0.006	< 0.01	9.54	98.54	10	< 1	37	3000	104	2020	10	50	< 1	1.0	< 5
14ZE-791A 15-95	49.10	17.53	6.82	0.123	8.45	10.70	2.41	0.15	0.458	0.04	3.91	99.69	36	< 1	176	140	35	100	40	40	14	1.2	< 5
14ZE-792A 15-96	49.50	13.79	13.11	0.226	6.90	8.77	4.01	0.20	1.024	0.09	2.45	100.1	44	< 1	338	60	54	60	150	90	16	1.5	< 5
14ZE-793A 15-97	49.44	12.73	12.46	0.211	8.69	6.70	3.88	0.39	1.417	0.10	4.00	100.0	42	< 1	348	130	47	60	110	90	15	1.5	< 5
14ZE-793B 15-98	53.96	15.12	10.13	0.167	5.33	6.61	5.11	0.55	1.235	0.14	1.79	100.2	33	< 1	280	140	32	50	50	80	18	1.6	< 5
14ZE-794A 15-99	42.22	1.17	8.36	0.099	41.69	0.24	0.05	0.01	0.013	0.01	5.22	99.09	10	< 1	39	3210	113	2090	20	60	2	0.7	< 5
14ZE-795C 15-100	44.41	15.15	7.73	0.108	4.30	10.18	4.36	1.75	2.208	0.86	8.56	99.63	22	2	227	190	30	100	40	80	15	1.1	< 5
14ZE-796 15-101	54.21	13.15	8.64	0.164	8.19	9.32	3.92	0.16	0.246	0.03	2.05	100.1	42	< 1	206	270	30	60	50	80	11	1.0	< 5
14ZE-797B 15-102	54.76	12.27	8.52	0.182	10.37	5.67	1.80	2.33	0.274	0.03	3.84	100.0	36	< 1	203	630	41	190	180	160	10	1.1	< 5
14ZE-797C 15-103	51.48	15.98	9.72	0.175	8.02	4.86	4.94	0.35	0.707	0.06	3.39	99.67	42	< 1	288	310	39	100	40	170	16	1.2	< 5
14ZE-800 15-104	49.63	15.18	9.06	0.157	6.64	9.93	4.10	0.50	1.185	0.14	3.97	100.5	36	< 1	278	240	34	80	50	70	15	1.4	< 5
14ZE-803 15-105	49.27	12.52	13.98	0.201	6.71	7.46	3.12	1.30	1.204	0.11	3.71	99.59	48	< 1	427	100	58	80	70	100	14	1.7	< 5
14ZE-804 15-106	45.55	12.48	15.45	0.234	6.34	7.61	2.44	1.00	1.576	0.17	6.38	99.23	45	< 1	437	90	51	60	160	120	18	1.7	< 5
14ZE-805 15-107	53.89	14.72	9.22	0.173	4.27	7.08	4.80	0.38	1.470	0.15	4.15	100.3	36	< 1	358	< 20	32	30	< 10	60	16	1.2	< 5
14ZE-806A 15-108	37.94	15.80	11.76	0.179	6.13	21.80	0.08	0.01	1.706	0.14	4.92	100.5	40	< 1	402	100	39	50	70	100	18	3.3	< 5

Results

Activation Laboratories Ltd.

Report: A16-03644

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	0.5	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
14ZE-806B 15-109	38.12	0.62	7.81	0.057	39.01	0.04	0.01	< 0.01	0.005	< 0.01	13.72	99.40	11	< 1	37	3140	113	2190	< 10	50	< 1	0.8	7
14ZE-808A 15-110	39.10	1.16	7.82	0.137	37.99	0.25	< 0.01	< 0.01	0.016	< 0.01	12.85	99.34	11	< 1	44	2950	111	2320	< 10	70	2	1.8	< 5
14ZE-808B 15-111	31.36	9.20	23.91	0.319	7.05	20.72	0.02	< 0.01	2.058	0.80	4.56	99.99	51	< 1	829	20	55	40	390	110	3	4.9	< 5
14ZE-810A 15-112	60.44	16.95	5.94	0.091	2.34	5.50	3.91	1.61	0.655	0.21	2.82	100.5	14	1	129	40	11	< 20	10	90	19	1.7	< 5
14ZE-a001 15-115	37.90	1.06	7.90	0.124	40.91	1.28	0.03	< 0.01	0.011	< 0.01	10.99	100.2	10	< 1	39	2800	105	2040	10	50	< 1	0.8	< 5
14ZE-a002a 15-116	36.56	0.60	7.57	0.102	38.68	0.19	0.02	< 0.01	0.003	< 0.01	16.19	99.92	8	< 1	35	2660	101	1880	< 10	60	< 1	0.7	< 5
14ZE-a002b 15-117	31.21	0.12	6.60	0.094	39.99	0.15	0.02	< 0.01	0.002	< 0.01	22.12	100.3	3	< 1	6	2840	101	2030	10	60	< 1	0.6	< 5
14ZE-a003 15-118	35.15	0.08	7.86	0.112	44.28	0.02	0.01	< 0.01	0.001	< 0.01	12.68	100.2	3	< 1	7	3180	114	2210	< 10	40	< 1	0.7	< 5
14ZE-a004 15-119	35.41	0.11	6.66	0.083	41.10	0.03	0.01	< 0.01	0.001	< 0.01	16.70	100.1	3	< 1	8	2400	113	2250	< 10	30	< 1	0.8	< 5
14ZE-a006 15-120	46.01	13.01	9.69	0.184	9.81	12.61	1.95	0.35	0.642	0.05	4.76	99.06	49	< 1	254	500	48	140	60	90	13	1.6	< 5

## Results

## Activation Laboratories Ltd.

## Report: A16-03644

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	2	0.5	1	0.2	2	0.5	0.1	1	0.2	0.1	2	0.05	0.05	0.01	0.05	0.01	0.005	0.01	0.01	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
15ZESM064	52	1058	15.1	91	2.1	< 2	< 0.5	< 0.1	< 1	< 0.2	1.5	1336	16.6	32.8	3.96	16.4	3.48	0.974	3.29	0.49	2.75	0.51	1.49
14ZE818b	57	705	25.3	92	1.8	< 2	< 0.5	< 0.1	< 1	< 0.2	0.9	1243	14.4	25.9	2.84	10.6	2.11	0.649	2.13	0.42	3.19	0.70	2.22
14ZE815	13	180	18.3	90	< 0.2	< 2	< 0.5	< 0.1	< 1	< 0.2	0.4	192	6.55	15.3	2.17	9.31	2.65	0.819	2.98	0.53	3.22	0.66	1.97
15KNA019B	51	429	17.4	85	5.4	< 2	< 0.5	< 0.1	< 1	1.3	1.7	1188	13.3	24.9	2.95	12.6	2.82	0.809	2.77	0.43	2.57	0.51	1.51
15KNA010B	51	972	14.8	99	2.6	< 2	< 0.5	< 0.1	< 1	0.5	1.1	1811	18.5	36.9	4.14	16.1	3.29	0.903	3.03	0.45	2.67	0.50	1.44
14ZE738	39	209	17.0	50	2.0	< 2	< 0.5	0.1	1	0.8	1.1	467	7.30	15.2	2.22	9.90	2.60	0.940	3.00	0.50	3.10	0.60	1.70
15KNA020	72	335	15.2	102	3.0	< 2	< 0.5	< 0.1	< 1	0.4	1.8	1127	25.0	46.1	5.20	19.3	3.92	0.991	3.15	0.46	2.57	0.50	1.44
15KNA017	67	227	3.9	27	< 0.2	< 2	< 0.5	< 0.1	< 1	1.2	1.4	1432	5.07	9.50	1.15	4.34	0.93	0.339	0.89	0.13	0.72	0.14	0.42
15ZE952	43	2200	10.3	86	4.1	< 2	< 0.5	< 0.1	< 1	1.3	0.9	3015	17.4	31.8	3.75	14.8	2.84	1.25	2.25	0.32	1.76	0.33	0.90
15KNA005	44	660	14.9	98	3.2	< 2	< 0.5	< 0.1	< 1	0.3	1.1	1299	17.6	36.2	4.43	17.5	3.71	1.07	3.18	0.48	2.64	0.52	1.48
09ZE-016	71	658	18.0	111	4.0	< 2	< 0.5	< 0.1	< 1	0.2	1.2	1546	23.3	45.6	5.14	20.4	4.31	1.24	4.06	0.57	3.16	0.61	1.75
11ZE1003	48	1185	14.2	127	6.6	< 2	< 0.5	< 0.1	< 1	0.5	5.0	2119	21.1	44.3	4.93	18.1	3.56	0.988	3.22	0.46	2.55	0.48	1.38
09ZE079	6	450	14.1	46	< 0.2	< 2	< 0.5	< 0.1	< 1	0.3	0.3	326	5.53	11.6	1.63	7.31	2.03	0.819	2.33	0.39	2.39	0.48	1.42
14ZE704B	10	243	16.3	102	3.1	< 2	< 0.5	< 0.1	< 1	< 0.2	0.4	560	12.1	25.0	3.09	13.2	2.99	0.943	3.17	0.47	2.92	0.57	1.64
15ZE0951	6	418	17.4	57	< 0.2	< 2	< 0.5	< 0.1	< 1	< 0.2	0.3	251	6.36	13.6	1.92	9.06	2.42	0.752	2.88	0.47	2.88	0.59	1.76
15ZE0982	40	1582	12.8	87	1.6	< 2	< 0.5	< 0.1	< 1	< 0.2	1.5	1811	14.1	28.9	3.60	14.8	3.19	0.871	2.84	0.42	2.29	0.42	1.23
15ZE1079	51	1067	14.5	70	1.9	< 2	< 0.5	< 0.1	< 1	0.5	1.4	1412	9.98	20.3	2.55	11.1	2.74	0.856	2.72	0.43	2.59	0.50	1.46
14ZE-716 15-30	18	11	5.9	23	2.8	< 2	< 0.5	0.1	36	1.6	0.4	87	5.48	13.1	1.19	4.26	0.95	0.190	0.82	0.15	0.99	0.21	0.66
14ZE-717 15-31	63	429	10.6	150	6.5	< 2	< 0.5	< 0.1	1	1.6	1.3	354	23.4	46.7	5.26	18.3	3.32	0.634	2.54	0.37	1.89	0.37	1.11
14ZE-720 15-32	< 1	51	7.0	9	1.0	2	< 0.5	< 0.1	< 1	1.0	< 0.1	6	0.24	0.87	0.17	0.95	0.47	0.191	0.71	0.14	1.04	0.24	0.80
14ZE-721 15-33	< 1	50	6.8	12	1.1	< 2	< 0.5	< 0.1	< 1	1.2	< 0.1	12	0.76	1.66	0.25	1.25	0.43	0.266	0.66	0.14	1.04	0.23	0.79
14ZE-722A 15-34	1	9	5.6	9	0.9	< 2	< 0.5	< 0.1	< 1	1.0	< 0.1	31	0.92	1.52	0.16	0.84	0.28	0.114	0.48	0.11	0.83	0.20	0.67
14ZE-722B 15-35	2	9	5.4	7	0.8	< 2	< 0.5	< 0.1	< 1	1.0	< 0.1	61	0.64	1.19	0.15	0.70	0.28	0.098	0.50	0.10	0.77	0.19	0.65
14ZE-723 15-36	< 1	31	14.1	33	1.1	< 2	< 0.5	< 0.1	< 1	1.1	< 0.1	8	1.59	4.07	0.62	3.35	1.26	0.451	1.78	0.35	2.37	0.51	1.55
14ZE-724 15-37	< 1	12	4.7	7	0.7	< 2	< 0.5	< 0.1	< 1	1.0	< 0.1	6	0.42	0.96	0.15	0.77	0.28	0.105	0.45	0.09	0.68	0.16	0.54
14ZE-725A 15-38	< 1	7	1.0	< 1	0.6	< 2	< 0.5	< 0.1	< 1	0.9	0.2	9	0.14	0.20	0.02	0.11	0.06	0.025	0.09	0.02	0.15	0.04	0.12
14ZE-726A 15-39	< 1	21	6.1	9	0.7	< 2	< 0.5	< 0.1	< 1	1.0	< 0.1	4	0.57	1.28	0.18	0.97	0.41	0.234	0.62	0.13	0.90	0.21	0.70
14ZE-727A 15-40	< 1	< 2	4.6	6	0.6	< 2	< 0.5	< 0.1	< 1	0.8	< 0.1	2	0.44	1.11	0.17	0.88	0.35	0.153	0.49	0.10	0.69	0.16	0.51
14ZE-727B 15-41	< 1	< 2	0.7	< 1	0.4	< 2	< 0.5	< 0.1	< 1	1.6	0.6	4	0.17	0.30	0.03	0.18	0.07	0.044	0.08	0.02	0.10	0.02	0.09
14ZE-728 15-42	< 1	< 2	< 0.5	3	0.5	< 2	< 0.5	< 0.1	< 1	8.5	< 0.1	2	0.12	0.15	0.02	0.09	0.04	0.014	0.03	< 0.01	0.03	< 0.01	0.03
14ZE-729 15-43	< 1	41	2.0	1	0.4	< 2	< 0.5	< 0.1	< 1	1.0	0.1	62	0.18	0.36	0.06	0.36	0.15	0.110	0.23	0.05	0.35	0.07	0.20
14ZE-730 15-44	3	50	15.1	29	1.4	< 2	< 0.5	< 0.1	< 1	2.5	0.2	134	1.49	4.08	0.69	3.83	1.50	0.546	2.13	0.40	2.66	0.53	1.52
14ZE-732A 15-45	< 1	< 2	< 0.5	< 1	0.3	< 2	< 0.5	< 0.1	< 1	0.8	< 0.1	3	0.18	0.18	0.01	0.05	0.02	0.010	0.02	< 0.01	< 0.01	< 0.01	< 0.01
14ZE-733 15-46	1	83	49.1	123	1.8	< 2	0.7	0.1	1	0.9	3.5	9	4.11	13.5	2.40	13.2	4.86	1.89	6.83	1.24	8.28	1.74	5.01
14ZE-734A 15-47	< 1	< 2	< 0.5	< 1	0.3	< 2	< 0.5	< 0.1	< 1	1.7	< 0.1	2	0.32	0.28	< 0.01	< 0.05	0.01	< 0.005	0.02	< 0.01	< 0.01	< 0.01	< 0.01
14ZE-734B 15-48	< 1	< 2	< 0.5	< 1	0.2	< 2	< 0.5	< 0.1	< 1	1.6	< 0.1	2	0.09	0.08	< 0.01	< 0.05	0.03	< 0.005	0.02	< 0.01	< 0.01	< 0.01	< 0.01
14ZE-734C 15-49	< 1	< 2	< 0.5	< 1	0.2	< 2	< 0.5	< 0.1	< 1	1.0	< 0.1	4	< 0.05	< 0.05	< 0.01	< 0.05	0.02	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
14ZE-741A 15-52	< 1	< 2	< 0.5	< 1	0.4	< 2	< 0.5	< 0.1	< 1	1.6	< 0.1	3	0.61	0.85	0.09	0.25	0.04	0.072	0.05	< 0.01	0.05	0.01	0.04
14ZE-741B 15-53	< 1	73	13.8	22	0.4	< 2	< 0.5	< 0.1	< 1	1.0	< 0.1	8	0.92	2.67	0.45	2.64	1.07	0.484	1.69	0.32	2.23	0.47	1.43
14ZE-742 15-54	< 1	25	11.3	17	0.4	< 2	< 0.5	< 0.1	< 1	1.0	< 0.1	16	0.82	1.77	0.31	1.96	0.89	0.371	1.41	0.29	1.88	0.41	1.23
14ZE-743A 15-55	< 1	481	41.7	139	1.8	< 2	< 0.5	< 0.1	2	1.6	< 0.1	4	5.34	16.3	2.76	13.3	4.41	1.34	5.77	1.03	6.79	1.42	4.49
14ZE-743B 15-56	< 1	76	11.6	18	0.3	< 2	< 0.5	< 0.1	< 1	1.0	< 0.1	5	0.80	2.18	0.37	2.02	0.84	0.346	1.40	0.27	1.90	0.42	1.31
14ZE-743C 15-57	< 1	43	10.2	13	0.3	< 2	< 0.5	< 0.1	< 1	1.0	< 0.1	5	0.43	1.23	0.22	1.32	0.59	0.285	1.10	0.22	1.61	0.36	1.13
14ZE-743D 15-58	< 1	47	12.1	17	0.3	< 2	< 0.5	< 0.1	< 1	1.0	< 0.1	5	0.63	1.83	0.31	1.79	0.77	0.336	1.33	0.27	1.94	0.43	1.32
14ZE-743E 15-59	< 1	52	12.4	18	0.3	< 2	< 0.5	< 0.1	< 1	1.0	< 0.1	5	0.75	2.02	0.33	1.97	0.87	0.430	1.37	0.28	2.02	0.43	1.31
14ZE-743F 15-60	< 1	18	9.1	13	0.2	< 2	< 0.5	< 0.1	< 1	0.9	< 0.1	5	0.70	1.73	0.28	1.63	0.68	0.294	1.08	0.22	1.51	0.33	1.01
14ZE-744 15-61	14	492	38.3	167	9.1	3	0.9	0.1	2	1.6	0.6	287	9.88	26.0	3.84	19.0	5.91	2.11	7.05	1.20	7.42	1.43	3.96
14ZE-745C 15-62	5	120	36.1	106	2.6	< 2	0.5	< 0.1	< 1	0.9	0.2	51	4.52	13.4	2.17	11.3	3.86	1.31	5.31	0.96	6.25	1.30	3.65

## Results

## Activation Laboratories Ltd.

## Report: A16-03644

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	2	0.5	1	0.2	2	0.5	0.1	1	0.2	0.1	2	0.05	0.05	0.01	0.05	0.01	0.005	0.01	0.01	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
14ZE-746A 15-63	7	159	28.7	73	1.7	<2	<0.5	<0.1	<1	1.7	0.2	151	2.88	8.74	1.46	8.10	2.93	1.10	4.02	0.76	4.98	1.04	3.07
14ZE-746B 15-64	1	80	31.2	89	1.6	<2	<0.5	<0.1	<1	1.9	0.1	39	2.99	9.48	1.63	8.91	3.24	1.16	4.57	0.82	5.45	1.13	3.27
14ZE-747A 15-65	<1	<2	<0.5	<1	<0.2	<2	<0.5	<0.1	<1	4.5	0.4	2	0.17	0.19	0.02	<0.05	0.03	0.028	0.02	<0.01	0.02	<0.01	0.01
14ZE-747B 15-66	2	79	36.5	94	2.2	<2	<0.5	<0.1	<1	1.2	0.1	65	3.86	12.0	1.98	10.6	3.72	1.21	5.21	0.95	6.11	1.29	3.84
14ZE-749A 15-67	8	194	30.3	67	1.4	<2	<0.5	<0.1	<1	1.2	0.8	163	3.35	9.26	1.59	9.94	3.04	1.14	4.26	0.84	5.33	1.06	3.08
14ZE-751A 15-68	<1	<2	<0.5	<1	<0.2	<2	<0.5	<0.1	<1	2.9	<0.1	3	0.09	0.06	<0.01	<0.05	0.01	0.008	0.01	<0.01	<0.01	<0.01	0.02
14ZE-751B 15-69	<1	<2	0.5	<1	<0.2	<2	<0.5	<0.1	<1	2.3	<0.1	4	0.50	0.87	0.10	0.30	0.08	0.008	0.08	0.01	0.09	0.02	0.04
14ZE-752B 15-70	37	475	17.6	96	5.9	5	0.6	<0.1	<1	1.6	7.9	1364	13.1	26.1	3.16	13.0	3.11	0.931	3.17	0.53	3.14	0.60	1.69
14ZE-757A 15-71	2	50	28.4	60	0.8	<2	<0.5	<0.1	<1	1.0	0.4	15	2.38	7.20	1.21	6.75	2.45	1.23	3.64	0.70	4.80	1.01	2.94
14ZE-757B 15-72	20	42	43.2	106	2.8	<2	0.5	0.1	1	1.1	0.5	147	4.87	12.9	2.25	11.9	4.22	1.61	6.01	1.09	7.12	1.49	4.21
14ZE-761 15-73	<1	267	2.3	<1	0.4	<2	<0.5	<0.1	<1	1.4	<0.1	7	0.85	1.65	0.20	0.88	0.29	0.118	0.30	0.05	0.36	0.08	0.24
14ZE-763 15-74	<1	43	<0.5	<1	<0.2	<2	<0.5	<0.1	<1	2.0	0.4	6	0.18	0.21	0.03	0.11	0.04	0.021	0.06	<0.01	0.05	0.01	0.04
14ZE-766A 15-75	7	145	22.8	48	1.1	<2	<0.5	<0.1	<1	1.9	0.2	103	2.67	6.92	1.18	6.35	2.34	1.01	3.28	0.61	4.01	0.83	2.38
14ZE-766B 15-76	9	251	26.8	67	1.7	<2	<0.5	<0.1	<1	1.4	0.3	156	3.46	9.65	1.58	8.29	2.93	0.940	4.04	0.73	4.56	0.97	2.76
14ZE-767 15-77	<1	8	1.5	<1	<0.2	<2	<0.5	<0.1	<1	1.4	0.6	4	0.63	1.55	0.22	0.94	0.25	0.056	0.25	0.04	0.22	0.04	0.09
14ZE-768 15-78	<1	69	23.3	47	0.5	<2	<0.5	<0.1	<1	1.3	0.1	56	1.50	4.99	0.91	5.44	2.16	0.948	3.15	0.60	4.06	0.84	2.43
14ZE-770A 15-79	<1	116	26.7	71	0.8	<2	0.6	<0.1	<1	0.6	<0.1	200	2.31	7.75	1.36	7.67	2.67	0.907	3.83	0.71	4.47	0.94	2.84
14ZE-770B 15-80	<1	5	<0.5	2	<0.2	<2	<0.5	<0.1	<1	0.6	0.6	11	0.15	0.24	0.02	0.11	0.02	0.090	0.02	<0.01	0.02	<0.01	0.02
14ZE-774 15-81	41	137	4.8	2	<0.2	<2	<0.5	<0.1	<1	0.7	1.4	108	0.21	0.58	0.11	0.78	0.36	0.176	0.57	0.12	0.85	0.18	0.53
14ZE-775A 15-82	<1	58	20.8	53	0.6	<2	0.6	0.1	<1	0.6	<0.1	12	2.25	6.47	1.06	5.74	2.02	0.765	2.89	0.54	3.45	0.73	2.13
14ZE-775B 15-83	1	199	12.7	32	0.3	<2	<0.5	<0.1	<1	0.7	0.2	19	1.56	4.37	0.69	3.78	1.44	0.818	1.87	0.34	2.12	0.46	1.35
14ZE-779A 15-84	<1	109	31.3	81	1.3	<2	0.7	<0.1	<1	0.6	0.1	46	3.14	9.91	1.63	9.15	3.23	1.11	4.59	0.84	5.48	1.13	3.28
14ZE-781 15-85	31	879	14.5	52	2.0	<2	<0.5	<0.1	<1	0.8	1.2	653	6.03	12.9	1.80	8.34	2.18	0.778	2.49	0.41	2.53	0.50	1.49
14ZE-782A 15-86	2	67	24.9	64	1.0	<2	0.5	<0.1	<1	0.6	<0.1	84	2.69	8.24	1.32	7.49	2.65	1.02	3.67	0.68	4.25	0.88	2.61
14ZE-782B 15-87	3	212	22.9	52	0.6	<2	<0.5	<0.1	<1	0.6	<0.1	31	2.19	6.63	1.10	6.27	2.20	0.880	3.24	0.59	3.83	0.81	2.36
14ZE-784A 15-88	3	112	21.7	55	0.7	<2	0.5	<0.1	<1	0.8	<0.1	119	2.85	7.73	1.23	6.54	2.26	0.868	3.21	0.55	3.73	0.77	2.28
14ZE-784B 15-89	2	63	7.7	5	<0.2	<2	<0.5	<0.1	<1	0.9	0.1	41	0.67	1.53	0.26	1.57	0.67	0.650	1.00	0.20	1.33	0.28	0.81
14ZE-787A 15-90	<1	146	47.0	132	2.3	<2	0.9	0.1	1	0.8	0.2	42	4.93	15.5	2.56	14.1	4.96	1.74	6.81	1.26	7.99	1.67	4.95
14ZE-787B 15-91	<1	<2	<0.5	<1	<0.2	<2	<0.5	<0.1	<1	0.5	<0.1	<2	0.20	0.20	0.02	<0.05	0.01	<0.005	0.02	<0.01	0.04	<0.01	0.04
14ZE-771 15-92	10	722	36.0	92	1.3	<2	0.6	<0.1	<1	0.6	0.2	1372	3.51	11.0	1.83	10.4	3.64	1.35	5.21	0.94	6.13	1.31	3.79
14ZE-789A 15-93	5	112	36.7	115	2.5	<2	0.7	<0.1	1	0.9	<0.1	122	5.18	14.9	2.32	12.5	4.16	1.42	5.69	0.99	6.32	1.29	3.76
14ZE-790 15-94	<1	<2	<0.5	<1	<0.2	<2	<0.5	<0.1	<1	0.6	<0.1	3	0.05	<0.05	<0.01	<0.05	<0.01	<0.005	0.01	<0.01	0.02	<0.01	0.02
14ZE-791A 15-95	2	162	10.2	16	<0.2	<2	<0.5	<0.1	<1	0.7	0.1	20	0.73	2.18	0.38	2.37	0.89	0.452	1.34	0.25	1.72	0.37	1.10
14ZE-792A 15-96	2	111	25.6	47	1.3	<2	<0.5	<0.1	<1	0.7	<0.1	130	2.20	5.89	0.97	5.47	2.21	0.835	3.38	0.63	4.24	0.89	2.68
14ZE-793A 15-97	12	123	33.6	77	1.0	<2	0.5	<0.1	<1	0.8	0.5	89	2.71	8.69	1.48	8.81	3.18	1.14	4.76	0.87	5.71	1.21	3.57
14ZE-793B 15-98	5	83	30.7	87	1.1	<2	0.5	<0.1	<1	0.8	<0.1	166	3.44	10.5	1.73	9.41	3.22	1.22	4.50	0.80	5.28	1.09	3.25
14ZE-794A 15-99	<1	12	<0.5	<1	<0.2	<2	<0.5	<0.1	<1	0.7	0.2	7	0.28	0.32	0.03	0.13	0.01	0.039	0.04	<0.01	0.05	0.01	0.05
14ZE-795C 15-100	25	349	27.4	237	72.5	<2	1.4	<0.1	2	1.1	0.2	701	48.4	96.5	10.8	40.8	7.56	2.25	6.50	0.93	5.06	0.92	2.51
14ZE-796 15-101	2	175	10.0	35	0.5	<2	<0.5	<0.1	<1	1.2	<0.1	92	1.68	4.32	0.59	2.98	0.98	0.314	1.38	0.25	1.70	0.36	1.14
14ZE-797B 15-102	30	54	8.5	17	0.2	<2	<0.5	<0.1	<1	0.7	0.4	228	0.85	2.06	0.31	1.74	0.66	0.238	1.06	0.19	1.35	0.30	0.94
14ZE-797C 15-103	4	65	17.8	37	0.4	<2	<0.5	<0.1	<1	0.8	0.2	26	2.14	5.57	0.87	4.88	1.76	0.665	2.42	0.46	2.97	0.62	1.88
14ZE-800 15-104	8	169	26.2	82	2.3	<2	<0.5	<0.1	<1	0.6	0.2	128	4.40	11.9	1.81	9.28	3.08	1.19	4.13	0.70	4.54	0.94	2.71
14ZE-803 15-105	20	124	32.9	70	4.0	<2	<0.5	<0.1	<1	0.9	1.3	2466	5.69	13.0	1.76	8.79	2.92	0.996	4.25	0.79	5.22	1.15	3.42
14ZE-804 15-106	28	124	43.6	113	4.4	<2	0.5	0.1	1	0.7	4.6	630	6.65	16.8	2.42	12.4	4.20	1.49	5.88	1.11	7.36	1.57	4.70
14ZE-805 15-107	7	299	34.4	101	1.2	<2	<0.5	<0.1	<1	1.1	2.2	84	2.61	8.59	1.50	9.16	3.53	1.23	4.92	0.91	5.89	1.25	3.65
14ZE-806A 15-108	<1	48	36.8	108	2.3	<2	0.5	0.1	1	0.8	0.2	11	4.25	12.7	2.02	11.1	3.90	1.43	5.30	0.95	6.25	1.31	3.90
14ZE-806B 15-109	<1	<2	<0.5	<1	<0.2	<2	<0.5	<0.1	<1	4.3	<0.1	3	0.05	<0.05	<0.01	<0.05	<0.01	<0.005	0.01	<0.01	0.01	<0.01	0.02
14ZE-808A 15-110	<1	16	0.6	<1	<0.2	<2	<0.5	<0.1	<1	0.6	0.6	7	<0.05	<0.05	<0.01	<0.05	<0.01	<0.005	0.02	<0.01	0.07	0.02	0.08

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	2	0.5	1	0.2	2	0.5	0.1	1	0.2	0.1	2	0.05	0.05	0.01	0.05	0.01	0.005	0.01	0.01	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
14ZE-808B 15-111	< 1	89	36.6	87	2.3	< 2	0.5	0.2	< 1	0.6	0.3	10	12.5	29.0	4.18	21.1	6.05	2.20	6.74	1.05	6.53	1.29	3.69
14ZE-810A 15-112	40	496	16.4	103	6.4	< 2	0.7	< 0.1	1	0.9	0.7	1080	18.2	35.2	4.14	16.8	3.71	1.07	3.36	0.50	2.92	0.56	1.60
14ZE-a001 15-115	< 1	< 2	< 0.5	< 1	< 0.2	< 2	< 0.5	< 0.1	< 1	0.6	< 0.1	3	0.07	0.09	0.01	0.06	< 0.01	0.007	0.02	< 0.01	0.03	< 0.01	0.05
14ZE-a002a 15-116	< 1	< 2	< 0.5	< 1	< 0.2	< 2	< 0.5	< 0.1	< 1	0.7	< 0.1	3	0.08	0.09	0.01	< 0.05	< 0.01	< 0.005	< 0.01	< 0.01	0.02	< 0.01	0.02
14ZE-a002b 15-117	< 1	3	< 0.5	< 1	< 0.2	< 2	< 0.5	< 0.1	< 1	0.7	< 0.1	3	0.08	0.07	< 0.01	< 0.05	0.01	0.005	0.01	< 0.01	0.02	< 0.01	0.01
14ZE-a003 15-118	< 1	< 2	< 0.5	< 1	< 0.2	< 2	< 0.5	< 0.1	< 1	0.6	< 0.1	< 2	0.10	0.08	< 0.01	0.06	0.02	< 0.005	< 0.01	< 0.01	0.02	< 0.01	< 0.01
14ZE-a004 15-119	< 1	< 2	< 0.5	< 1	< 0.2	< 2	< 0.5	< 0.1	< 1	0.7	< 0.1	5	0.06	< 0.05	< 0.01	0.05	< 0.01	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	0.01
14ZE-a006 15-120	7	98	13.9	25	1.0	< 2	< 0.5	< 0.1	< 1	0.8	0.7	100	1.71	4.43	0.67	3.89	1.43	0.592	2.02	0.38	2.43	0.50	1.46

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Bi	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.005	0.01	0.002	0.1	0.01	0.5	0.05	5	0.1	0.05	0.01
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
15ZESM064	0.228	1.46	0.211	2.4	0.54	0.9	0.21	12	< 0.1	3.18	1.43
14ZE818b	0.343	2.09	0.289	2.2	0.51	1.8	0.31	9	< 0.1	4.15	1.21
14ZE815	0.297	2.03	0.326	2.2	0.17	< 0.5	< 0.05	< 5	< 0.1	0.86	0.55
15KNA019B	0.251	1.64	0.234	2.1	0.69	1.7	0.22	8	< 0.1	3.19	1.50
15KNA010B	0.215	1.47	0.216	2.5	0.47	1.5	0.15	11	< 0.1	4.31	1.73
14ZE738	0.250	1.50	0.240	1.4	0.30	2.0	< 0.05	< 5	0.1	0.90	0.60
15KNA020	0.219	1.35	0.200	2.2	0.55	1.0	0.36	10	< 0.1	6.58	2.04
15KNA017	0.068	0.45	0.065	0.9	0.09	0.5	0.26	7	< 0.1	1.14	0.65
15ZE952	0.138	0.88	0.142	2.1	0.59	1.4	0.18	12	< 0.1	2.85	1.68
15KNA005	0.224	1.38	0.199	2.7	0.44	< 0.5	0.25	12	< 0.1	3.44	1.52
09ZE-016	0.261	1.63	0.253	2.8	0.46	< 0.5	0.28	12	< 0.1	5.03	1.93
11ZE1003	0.216	1.38	0.205	3.6	0.60	0.8	0.19	11	< 0.1	4.47	1.04
09ZE079	0.214	1.39	0.206	1.4	0.08	< 0.5	< 0.05	< 5	< 0.1	0.75	0.58
14ZE704B	0.247	1.54	0.225	2.6	0.29	< 0.5	< 0.05	10	< 0.1	2.34	1.24
15ZE0951	0.269	1.75	0.261	1.4	0.07	< 0.5	< 0.05	< 5	< 0.1	0.94	0.68
15ZE0982	0.188	1.21	0.177	2.3	0.19	< 0.5	0.11	9	< 0.1	2.33	1.13
15ZE1079	0.222	1.44	0.206	1.9	0.22	< 0.5	0.24	11	< 0.1	2.11	1.15
14ZE-716 15-30	0.108	0.75	0.120	0.7	0.66	3.8	< 0.05	11	< 0.1	3.36	0.43
14ZE-717 15-31	0.181	1.20	0.196	3.8	0.96	3.9	< 0.05	24	0.2	9.90	1.58
14ZE-720 15-32	0.137	0.83	0.152	0.4	0.18	2.1	< 0.05	< 5	< 0.1	0.07	0.04
14ZE-721 15-33	0.138	0.99	0.166	0.4	0.20	2.3	< 0.05	< 5	< 0.1	0.06	0.05
14ZE-722A 15-34	0.118	0.86	0.146	0.3	0.18	1.7	< 0.05	< 5	< 0.1	< 0.05	0.03
14ZE-722B 15-35	0.112	0.83	0.143	0.3	0.16	1.9	< 0.05	< 5	< 0.1	< 0.05	0.04
14ZE-723 15-36	0.249	1.68	0.270	1.0	0.23	1.6	< 0.05	< 5	< 0.1	0.21	0.10
14ZE-724 15-37	0.092	0.68	0.107	0.2	0.17	2.0	< 0.05	< 5	< 0.1	< 0.05	0.03
14ZE-725A 15-38	0.022	0.18	0.035	< 0.1	0.14	1.9	< 0.05	< 5	< 0.1	< 0.05	< 0.01
14ZE-726A 15-39	0.117	0.84	0.139	0.3	0.17	1.5	< 0.05	< 5	< 0.1	0.06	0.04
14ZE-727A 15-40	0.083	0.57	0.101	0.2	0.15	1.8	< 0.05	< 5	< 0.1	< 0.05	0.02
14ZE-727B 15-41	0.014	0.09	0.015	< 0.1	0.18	1.9	< 0.05	< 5	< 0.1	< 0.05	< 0.01
14ZE-728 15-42	< 0.005	0.02	0.003	< 0.1	0.16	2.4	< 0.05	< 5	< 0.1	< 0.05	< 0.01
14ZE-729 15-43	0.031	0.23	0.037	< 0.1	0.14	1.7	< 0.05	< 5	< 0.1	< 0.05	< 0.01
14ZE-730 15-44	0.231	1.47	0.215	0.9	0.20	1.7	< 0.05	< 5	< 0.1	0.07	0.09
14ZE-732A 15-45	< 0.005	< 0.01	< 0.002	< 0.1	0.14	1.4	< 0.05	< 5	< 0.1	< 0.05	< 0.01
14ZE-733 15-46	0.756	4.98	0.740	3.5	0.22	1.5	< 0.05	< 5	< 0.1	0.18	0.12
14ZE-734A 15-47	< 0.005	< 0.01	< 0.002	< 0.1	0.16	2.1	< 0.05	< 5	< 0.1	< 0.05	< 0.01
14ZE-734B 15-48	< 0.005	< 0.01	< 0.002	< 0.1	0.12	1.7	< 0.05	< 5	< 0.1	< 0.05	< 0.01
14ZE-734C 15-49	< 0.005	0.03	0.007	< 0.1	0.13	1.6	< 0.05	< 5	< 0.1	< 0.05	< 0.01
14ZE-741A 15-52	0.007	0.05	0.008	< 0.1	0.14	1.7	< 0.05	< 5	< 0.1	< 0.05	0.01
14ZE-741B 15-53	0.250	1.59	0.248	0.8	0.15	1.4	< 0.05	< 5	< 0.1	0.10	0.08
14ZE-742 15-54	0.192	1.26	0.191	0.5	0.15	1.6	< 0.05	< 5	< 0.1	0.06	0.03
14ZE-743A 15-55	0.688	4.67	0.735	4.0	0.47	4.5	< 0.05	< 5	< 0.1	0.33	0.21
14ZE-743B 15-56	0.207	1.36	0.226	0.6	0.14	1.4	< 0.05	< 5	< 0.1	< 0.05	0.05
14ZE-743C 15-57	0.168	1.12	0.177	0.5	0.14	1.3	< 0.05	< 5	< 0.1	< 0.05	0.03
14ZE-743D 15-58	0.216	1.53	0.234	0.6	0.13	1.7	< 0.05	< 5	< 0.1	0.06	0.06
14ZE-743E 15-59	0.207	1.39	0.224	0.7	0.13	2.3	< 0.05	< 5	< 0.1	0.05	0.05
14ZE-743F 15-60	0.156	1.06	0.170	0.5	0.14	1.5	< 0.05	< 5	< 0.1	< 0.05	0.04
14ZE-744 15-61	0.580	3.62	0.553	4.4	0.75	2.8	< 0.05	< 5	< 0.1	0.77	0.34
14ZE-745C 15-62	0.555	3.74	0.549	2.8	0.28	1.6	< 0.05	< 5	< 0.1	0.23	0.11



Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Bi	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.005	0.01	0.002	0.1	0.01	0.5	0.05	5	0.1	0.05	0.01
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
14ZE-746A 15-63	0.470	3.04	0.454	2.1	0.23	1.5	< 0.05	< 5	< 0.1	0.13	0.07
14ZE-746B 15-64	0.482	3.20	0.499	2.5	0.22	1.3	< 0.05	< 5	< 0.1	0.13	0.08
14ZE-747A 15-65	< 0.005	< 0.01	< 0.002	< 0.1	0.12	1.6	< 0.05	< 5	< 0.1	< 0.05	< 0.01
14ZE-747B 15-66	0.564	3.58	0.544	2.6	0.28	1.4	< 0.05	< 5	< 0.1	0.19	0.15
14ZE-749A 15-67	0.465	3.09	0.460	2.0	0.21	2.0	< 0.05	< 5	< 0.1	0.13	0.11
14ZE-751A 15-68	< 0.005	< 0.01	0.005	< 0.1	0.11	1.5	< 0.05	< 5	< 0.1	< 0.05	0.02
14ZE-751B 15-69	0.007	0.05	0.010	< 0.1	0.11	1.4	< 0.05	< 5	< 0.1	0.18	0.07
14ZE-752B 15-70	0.260	1.69	0.263	2.6	0.54	1.9	< 0.05	6	< 0.1	2.53	1.22
14ZE-757A 15-71	0.442	2.88	0.437	1.9	0.16	1.7	< 0.05	< 5	< 0.1	0.13	0.13
14ZE-757B 15-72	0.629	4.17	0.626	3.0	0.30	1.3	< 0.05	< 5	< 0.1	0.19	0.33
14ZE-761 15-73	0.037	0.23	0.035	< 0.1	0.14	2.5	< 0.05	< 5	< 0.1	0.06	0.10
14ZE-763 15-74	0.006	0.04	0.007	< 0.1	0.13	2.7	< 0.05	< 5	0.3	< 0.05	< 0.01
14ZE-766A 15-75	0.369	2.38	0.367	2.4	0.22	8.0	< 0.05	< 5	< 0.1	0.12	0.05
14ZE-766B 15-76	0.404	2.48	0.386	1.9	0.23	3.7	< 0.05	< 5	< 0.1	0.14	0.14
14ZE-767 15-77	0.011	0.06	0.009	< 0.1	0.12	2.1	< 0.05	< 5	0.3	< 0.05	0.03
14ZE-768 15-78	0.362	2.36	0.361	1.5	0.15	1.3	< 0.05	< 5	< 0.1	< 0.05	0.05
14ZE-770A 15-79	0.431	2.79	0.442	2.2	0.17	2.5	< 0.05	< 5	< 0.1	0.15	0.08
14ZE-770B 15-80	< 0.005	0.03	0.004	< 0.1	0.10	4.0	< 0.05	< 5	< 0.1	< 0.05	0.01
14ZE-774 15-81	0.084	0.51	0.077	0.1	0.11	1.4	< 0.05	< 5	< 0.1	< 0.05	< 0.01
14ZE-775A 15-82	0.344	2.22	0.336	1.6	0.17	2.0	< 0.05	< 5	< 0.1	0.18	0.11
14ZE-775B 15-83	0.202	1.31	0.213	1.0	0.14	1.6	< 0.05	< 5	< 0.1	0.13	0.07
14ZE-779A 15-84	0.490	3.23	0.496	2.4	0.21	2.0	< 0.05	< 5	< 0.1	0.17	0.20
14ZE-781 15-85	0.232	1.45	0.221	1.6	0.25	2.0	0.08	< 5	< 0.1	0.79	0.56
14ZE-782A 15-86	0.390	2.56	0.390	1.8	0.18	1.6	< 0.05	< 5	< 0.1	0.17	0.13
14ZE-782B 15-87	0.365	2.32	0.360	1.5	0.16	2.2	< 0.05	< 5	< 0.1	0.15	0.09
14ZE-784A 15-88	0.336	2.24	0.345	1.6	0.18	1.7	< 0.05	< 5	< 0.1	0.22	0.11
14ZE-784B 15-89	0.118	0.75	0.107	0.3	0.11	2.4	< 0.05	< 5	< 0.1	< 0.05	0.01
14ZE-787A 15-90	0.714	4.61	0.702	3.8	0.26	1.7	< 0.05	< 5	< 0.1	0.24	0.12
14ZE-787B 15-91	0.007	0.05	0.009	< 0.1	0.11	1.7	< 0.05	< 5	< 0.1	< 0.05	0.02
14ZE-771 15-92	0.543	3.68	0.587	2.7	0.20	1.3	< 0.05	< 5	< 0.1	0.17	0.08
14ZE-789A 15-93	0.544	3.51	0.516	3.0	0.29	1.7	< 0.05	< 5	< 0.1	0.25	0.13
14ZE-790 15-94	< 0.005	0.03	0.004	< 0.1	0.10	2.1	< 0.05	< 5	< 0.1	< 0.05	< 0.01
14ZE-791A 15-95	0.167	1.08	0.163	0.6	0.12	1.6	< 0.05	< 5	< 0.1	< 0.05	0.03
14ZE-792A 15-96	0.418	2.67	0.418	1.5	0.19	1.5	< 0.05	< 5	< 0.1	0.16	0.06
14ZE-793A 15-97	0.530	3.50	0.528	2.2	0.19	1.9	< 0.05	< 5	< 0.1	0.11	0.10
14ZE-793B 15-98	0.470	3.12	0.485	2.6	0.20	1.7	< 0.05	< 5	< 0.1	0.18	0.18
14ZE-794A 15-99	0.011	0.08	0.011	< 0.1	0.10	1.4	< 0.05	< 5	< 0.1	< 0.05	0.01
14ZE-795C 15-100	0.351	2.16	0.308	5.2	4.44	2.1	< 0.05	< 5	< 0.1	6.21	1.49
14ZE-796 15-101	0.191	1.30	0.194	1.1	0.14	1.7	< 0.05	< 5	< 0.1	0.25	0.18
14ZE-797B 15-102	0.155	1.01	0.165	0.5	0.12	1.2	0.08	< 5	< 0.1	0.07	0.07
14ZE-797C 15-103	0.284	1.84	0.292	1.2	0.16	1.4	< 0.05	< 5	< 0.1	0.15	0.13
14ZE-800 15-104	0.422	2.73	0.400	2.2	0.26	1.3	< 0.05	< 5	< 0.1	0.33	0.28
14ZE-803 15-105	0.520	3.51	0.539	2.0	0.36	1.7	0.08	< 5	< 0.1	0.52	0.35
14ZE-804 15-106	0.716	4.79	0.735	3.1	0.37	2.0	0.10	< 5	< 0.1	0.54	0.54
14ZE-805 15-107	0.562	3.66	0.561	2.8	0.20	1.4	0.07	< 5	< 0.1	0.28	0.19
14ZE-806A 15-108	0.555	3.73	0.574	3.0	0.23	2.2	< 0.05	< 5	< 0.1	0.27	0.13
14ZE-806B 15-109	< 0.005	0.02	0.004	< 0.1	0.11	15.9	< 0.05	< 5	< 0.1	< 0.05	< 0.01
14ZE-808A 15-110	0.014	0.09	0.015	< 0.1	0.10	1.7	< 0.05	< 5	< 0.1	< 0.05	< 0.01

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Bi	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.005	0.01	0.002	0.1	0.01	0.5	0.05	5	0.1	0.05	0.01
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
14ZE-808B 15-111	0.542	3.63	0.539	3.0	0.25	1.9	< 0.05	< 5	< 0.1	1.37	0.68
14ZE-810A 15-112	0.236	1.57	0.228	3.1	0.52	1.9	< 0.05	9	< 0.1	4.07	1.68
14ZE-a001 15-115	0.008	0.05	0.008	< 0.1	0.11	1.7	< 0.05	< 5	< 0.1	< 0.05	< 0.01
14ZE-a002a 15-116	< 0.005	0.02	0.004	< 0.1	0.17	1.4	< 0.05	< 5	< 0.1	< 0.05	0.02
14ZE-a002b 15-117	< 0.005	0.01	< 0.002	< 0.1	0.14	1.4	< 0.05	< 5	< 0.1	< 0.05	0.01
14ZE-a003 15-118	< 0.005	< 0.01	< 0.002	< 0.1	0.11	1.7	< 0.05	< 5	< 0.1	< 0.05	< 0.01
14ZE-a004 15-119	< 0.005	< 0.01	< 0.002	< 0.1	0.10	7.5	< 0.05	< 5	< 0.1	< 0.05	0.03
14ZE-a006 15-120	0.222	1.45	0.218	0.9	0.18	2.6	< 0.05	< 5	< 0.1	0.08	0.04

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	0.5	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NIST 694 Meas	11.68	1.94	0.71	0.010	0.35	43.02	0.88	0.55	0.110	30.17					1635								
NIST 694 Cert	11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2					1740								
NIST 694 Meas	11.12	1.88	0.75	0.010	0.34	42.77	0.88	0.53	0.120	30.53					1624								
NIST 694 Cert	11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2					1740								
NIST 694 Meas	11.18	1.90	0.73	0.013	0.34	42.57	0.87	0.55	0.120	30.18					1636								
NIST 694 Cert	11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2					1740								
DNC-1 Meas	47.13	18.83	9.79	0.150	9.93	11.32	1.91	0.22	0.470	0.11				31	152	280	54	260	90	70	14		
DNC-1 Cert	47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070				31	148	270	57	247	100	70	15		
DNC-1 Meas	47.13	18.55	10.00	0.150	9.92	11.47	1.90	0.22	0.480	0.06				31	155								
DNC-1 Cert	47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070				31	148								
DNC-1 Meas	46.56	18.33	9.81	0.148	10.23	11.47	1.87	0.22	0.492	0.08				31	153								
DNC-1 Cert	47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070				31	148								
GBW 07113 Meas	70.91	12.78	3.19	0.140	0.15	0.59	2.46	5.41	0.280	0.04				5	4	< 5							
GBW 07113 Cert	72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500				5.00	4.00	5.00							
GBW 07113 Meas	72.52	13.03	3.25	0.150	0.14	0.59	2.56	5.49	0.280	0.05				5	4	6							
GBW 07113 Cert	72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500				5.00	4.00	5.00							
GBW 07113 Meas	71.01	12.77	3.18	0.142	0.15	0.60	2.43	5.38	0.282	0.03				5	4	< 5							
GBW 07113 Cert	72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500				5.00	4.00	5.00							
LKSD-3 Meas																90	29		30	150			25
LKSD-3 Cert																87.0	30.0		35.0	152			27.0
TDB-1 Meas																260		90	340				
TDB-1 Cert																251		92	323				
W-2a Meas	53.14	15.00	10.82	0.170	6.29	11.08	2.23	0.63	1.040	0.13				35	< 1	274		44	80	110	80		1.7
W-2a Cert	52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.130				36.0	1.30	262		43.0	70.0	110	80.0		1.00
W-2a Meas	52.30	15.24	10.73	0.160	6.29	11.01	2.18	0.60	1.070	0.12				35	< 1	276							
W-2a Cert	52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.130				36.0	1.30	262							
W-2a Meas	52.89	15.41	10.66	0.166	6.44	11.16	2.26	0.63	1.082	0.15				36	< 1	278							
W-2a Cert	52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.130				36.0	1.30	262							
DTS-2b Meas																> 10000	122	3850					
DTS-2b Cert																15500	120	3780					
SY-4 Meas	49.92	20.34	6.14	0.110	0.51	8.03	6.90	1.66	0.280	0.13				2	3	8							
SY-4 Cert	49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131				1.1	2.6	8.0							
SY-4 Meas	49.96	20.26	6.24	0.110	0.50	8.13	6.88	1.62	0.290	0.12				1	3	9							
SY-4 Cert	49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131				1.1	2.6	8.0							
SY-4 Meas	50.36	20.60	6.06	0.107	0.51	8.15	7.00	1.69	0.288	0.13				1	3	7							
SY-4 Cert	49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131				1.1	2.6	8.0							
CTA-AC-1 Meas																			60	40			
CTA-AC-1 Cert																			54.0	38.0			
BIR-1a Meas	48.52	15.70	11.42	0.170	9.78	13.50	1.82	0.02	0.960	0.03				44	< 1	330	380	51	180	120	70	17	
BIR-1a Cert	47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021				44	0.58	310	370	52	170	125	70	16	
BIR-1a Meas	48.29	15.73	11.32	0.170	9.48	13.58	1.82	0.02	0.970	0.06				43	< 1	335							
BIR-1a Cert	47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021				44	0.58	310							
BIR-1a Meas	47.86	15.78	11.43	0.172	9.65	13.57	1.79	0.02	0.983	0.02				44	< 1	333							
BIR-1a Cert	47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021				44	0.58	310							
NCS DC86312 Meas																							
NCS DC86312 Cert																							
NCS DC70009 (GBW07241) Meas																	4		910	90	17	10.9	

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	0.5	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NCS DC70009 (GBW07241) Cert																	3.7		960	100	16.5	11.2	
OREAS 100a (Fusion) Meas																	17		160				
OREAS 100a (Fusion) Cert																	18.1		169				
OREAS 101a (Fusion) Meas																	46		410				
OREAS 101a (Fusion) Cert																	48.8		434				
OREAS 101b (Fusion) Meas																	46		420				
OREAS 101b (Fusion) Cert																	47		416				
JR-1 Meas																	1	< 20	< 10	< 30	17	1.8	16
JR-1 Cert																	0.83	1.67	2.68	30.6	16.1	1.88	16.3
15ZE1079 Orig	54.34	14.20	7.97	0.132	5.68	6.30	3.69	2.40	0.731	0.28	3.97	99.69	25	2	214	390	21	110	50	70	15	1.8	6
15ZE1079 Dup	54.67	14.09	7.98	0.133	5.75	6.35	3.76	2.44	0.720	0.27	3.97	100.1	26	2	217	380	21	110	50	70	15	1.8	6
14ZE-730 15-44 Orig	46.46	16.52	9.69	0.156	8.07	12.29	2.39	0.13	0.725	0.05	3.34	99.82	38	< 1	246	900	45	140	40	100	18	2.1	< 5
14ZE-730 15-44 Dup	46.52	16.18	9.44	0.154	8.10	12.25	2.38	0.13	0.699	0.05	3.34	99.24	38	< 1	245	900	46	150	40	100	18	2.1	< 5
14ZE-746A 15-63 Orig	39.24	14.04	11.28	0.190	8.56	18.51	0.29	0.43	1.370	0.11	6.31	100.3	41	< 1	330	170	42	70	20	80	19	1.5	< 5
14ZE-746A 15-63 Dup	38.64	13.97	11.20	0.191	8.40	18.24	0.29	0.44	1.348	0.12	6.31	99.14	41	< 1	330	170	42	70	20	80	19	1.5	< 5
14ZE-768 15-78 Orig	45.14	14.44	9.27	0.182	7.10	15.58	2.23	0.02	0.946	0.07	4.29	99.27	35	< 1	250	340	38	70	90	70	17	1.7	5
14ZE-768 15-78 Dup	45.72	14.54	9.29	0.183	7.30	15.76	2.26	0.02	0.960	0.07	4.29	100.4	36	< 1	251	360	38	80	90	70	17	1.7	5
14ZE-789A 15-93 Orig	51.03	14.04	10.53	0.184	6.55	10.05	3.25	0.41	1.652	0.17	1.55	99.42	41	< 1	329	300	38	100	30	90	18	1.8	< 5
14ZE-789A 15-93 Dup	51.30	14.06	10.39	0.185	6.58	10.09	3.27	0.41	1.641	0.17	1.55	99.64	41	< 1	327	330	38	110	30	90	18	1.8	< 5
14ZE-808A 15-110 Orig	39.13	1.16	7.87	0.137	38.10	0.24	< 0.01	< 0.01	0.016	0.01	12.85	99.53	11	< 1	44	2940	110	2290	< 10	70	2	1.8	< 5
14ZE-808A 15-110 Dup	39.08	1.15	7.76	0.138	37.87	0.25	< 0.01	< 0.01	0.017	< 0.01	12.85	99.15	11	< 1	44	2970	111	2340	< 10	70	2	1.9	< 5
Method Blank																< 20	< 1	< 20	< 10	< 30	< 1	< 0.5	< 5

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	2	0.5	1	0.2	2	0.5	0.1	1	0.2	0.1	2	0.05	0.05	0.01	0.05	0.01	0.005	0.01	0.01	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NIST 694 Meas																							
NIST 694 Cert																							
NIST 694 Meas																							
NIST 694 Cert																							
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas		146	17.0	38						1.0		105	3.70			4.90		0.560					
DNC-1 Cert		144.0	18.0	38						0.96		118	3.6			5.20		0.59					
DNC-1 Meas		144		32								104											
DNC-1 Cert		144.0		38								118											
DNC-1 Meas		143		34								105											
DNC-1 Cert		144.0		38								118											
GBW 07113 Meas		42		401								497											
GBW 07113 Cert		43.0		403								506											
GBW 07113 Meas		42		385								500											
GBW 07113 Cert		43.0		403								506											
GBW 07113 Meas		40		412								492											
GBW 07113 Cert		43.0		403								506											
LKSD-3 Meas	71		29.0		7.5	2			2	1.0	2.4			87.7		43.0	7.60	1.40				4.80	
LKSD-3 Cert	78.0		30.0		8.00	2.00			3.00	1.30	2.30			90.0		44.0	8.00	1.50				4.90	
TDB-1 Meas	21		36.1										17.0	40.3		24.2		2.10					
TDB-1 Cert	23		36										17	41		23		2.1					
W-2a Meas	20	191	21.8	96	7.6	< 2	2.0				1.0	175	11.0	24.1		13.0	3.40			0.62		0.78	
W-2a Cert	21.0	190	24.0	94.0	7.90	0.600	0.0460				0.990	182	10.0	23.0		13.0	3.30			0.630		0.760	
W-2a Meas		195		85								167											
W-2a Cert		190		94.0								182											
W-2a Meas		195		90								178											
W-2a Cert		190		94.0								182											
DTS-2b Meas																							
DTS-2b Cert																							
SY-4 Meas		1200		547								348											
SY-4 Cert		1191		517								340											
SY-4 Meas		1190		542								345											
SY-4 Cert		1191		517								340											
SY-4 Meas		1210		586								354											
SY-4 Cert		1191		517								340											
CTA-AC-1 Meas			282										> 2000	> 3000		1180	169	46.9	133	14.7			
CTA-AC-1 Cert			272										2176	3326		1087	162	46.7	124	13.9			
BIR-1a Meas		110	14.5	17								6				2.60	1.20	0.540	1.90			3.70	
BIR-1a Cert		110	16	18								6				2.5	1.1	0.55	2.0			4	
BIR-1a Meas		111		12								5											
BIR-1a Cert		110		18								6											
BIR-1a Meas		107		15								8											
BIR-1a Cert		110		18								6											
NCS DC86312 Meas			1010										> 2000	178		1590			238	32.4	185	34.8	99.4
NCS DC86312 Cert			976										2360	190		1600			225.0	34.6	183	36	96.2
NCS DC70009 (GBW07241) Meas	490		134				1.9	2.0	> 1000	2.8	42.9		23.5	58.8	7.80	31.9	12.1		14.7	3.10	20.4	4.20	13.5

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	2	0.5	1	0.2	2	0.5	0.1	1	0.2	0.1	2	0.05	0.05	0.01	0.05	0.01	0.005	0.01	0.01	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NCS DC70009 (GBW07241) Cert	500		128				1.8	1.3	1701	3.1	41		23.7	60.3	7.9	32.9	12.5		14.8	3.3	20.7	4.5	13.4
OREAS 100a (Fusion) Meas			131			24							255	468	45.2	145	23.3	3.49			22.2	4.61	14.7
OREAS 100a (Fusion) Cert			142			24.1							260	463	47.1	152	23.6	3.71			23.2	4.81	14.9
OREAS 101a (Fusion) Meas			170			21							787	1340	125	380	47.1	7.66			30.3	6.14	19.0
OREAS 101a (Fusion) Cert			183			21.9							816	1396	134	403	48.8	8.06			33.3	6.46	19.5
OREAS 101b (Fusion) Meas			183			20							795	1360	124	373	49.0	8.02		5.33	31.9	6.20	18.6
OREAS 101b (Fusion) Cert			178			20.9							789	1331	127	378	48	7.77		5.37	32.1	6.34	18.7
JR-1 Meas	243		42.5		14.7	3	2.0	< 0.1	3	1.5	21.1		20.4	48.3	6.10	24.0	5.87			1.06			
JR-1 Cert	257		45.1		15.2	3.25	0.031	0.028	2.86	1.19	20.8		19.7	47.2	5.58	23.3	6.03			1.01			
15ZE1079 Orig	51	1071	14.7	70	1.9	< 2	< 0.5	< 0.1	< 1	0.5	1.4	1399	9.94	20.1	2.51	11.2	2.75	0.842	2.74	0.43	2.59	0.50	1.44
15ZE1079 Dup	51	1063	14.4	71	1.9	< 2	< 0.5	< 0.1	< 1	0.5	1.4	1425	10.0	20.5	2.60	11.0	2.73	0.870	2.71	0.43	2.59	0.50	1.47
14ZE-730 15-44 Orig	2	49	14.9	30	1.4	< 2	< 0.5	< 0.1	< 1	2.5	0.2	134	1.44	3.94	0.66	3.71	1.51	0.551	2.15	0.40	2.61	0.52	1.49
14ZE-730 15-44 Dup	3	50	15.3	29	1.4	< 2	< 0.5	< 0.1	< 1	2.4	0.1	134	1.53	4.22	0.71	3.95	1.50	0.542	2.12	0.40	2.72	0.54	1.55
14ZE-746A 15-63 Orig	7	159	29.0	72	1.7	< 2	< 0.5	< 0.1	< 1	1.7	0.2	151	2.86	8.77	1.48	8.24	2.95	1.10	4.01	0.77	4.99	1.05	3.05
14ZE-746A 15-63 Dup	6	159	28.4	73	1.7	< 2	< 0.5	< 0.1	< 1	1.7	0.2	151	2.90	8.70	1.44	7.97	2.91	1.11	4.02	0.75	4.97	1.04	3.09
14ZE-768 15-78 Orig	< 1	68	22.9	46	0.5	< 2	< 0.5	< 0.1	< 1	1.2	0.1	56	1.45	4.88	0.90	5.53	2.11	0.938	3.05	0.57	3.98	0.82	2.38
14ZE-768 15-78 Dup	< 1	70	23.7	48	0.5	< 2	< 0.5	< 0.1	< 1	1.3	0.1	57	1.54	5.10	0.93	5.35	2.22	0.958	3.26	0.62	4.13	0.86	2.48
14ZE-789A 15-93 Orig	5	113	36.4	114	2.5	< 2	0.7	< 0.1	1	0.9	< 0.1	122	5.23	15.0	2.35	12.5	4.19	1.42	5.69	1.01	6.31	1.31	3.74
14ZE-789A 15-93 Dup	5	111	37.0	115	2.6	< 2	0.7	< 0.1	1	0.9	< 0.1	122	5.13	14.8	2.29	12.6	4.13	1.41	5.70	0.97	6.34	1.28	3.79
14ZE-808A 15-110 Orig	< 1	16	0.6	< 1	< 0.2	< 2	< 0.5	< 0.1	< 1	0.6	0.6	7	0.09	1.33	0.02	0.06	0.03	< 0.005	0.03	< 0.01	0.07	0.02	0.08
14ZE-808A 15-110 Dup	< 1	16	0.6	< 1	< 0.2	< 2	< 0.5	< 0.1	< 1	0.7	0.6	7	< 0.05	< 0.05	< 0.01	< 0.05	< 0.01	0.006	0.02	< 0.01	0.07	0.02	0.08
Method Blank	< 1		< 0.5		< 0.2	< 2	< 0.5	< 0.1	< 1	< 0.2	< 0.1		< 0.05	< 0.05	< 0.01	< 0.05	< 0.01	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Bi	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.005	0.01	0.002	0.1	0.01	0.5	0.05	5	0.1	0.05	0.01
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NIST 694 Meas											
NIST 694 Cert											
NIST 694 Meas											
NIST 694 Cert											
NIST 694 Meas											
NIST 694 Cert											
DNC-1 Meas		1.90						6			
DNC-1 Cert		2.0						6.3			
DNC-1 Meas											
DNC-1 Cert											
DNC-1 Meas											
DNC-1 Cert											
GBW 07113 Meas											
GBW 07113 Cert											
GBW 07113 Meas											
GBW 07113 Cert											
GBW 07113 Meas											
GBW 07113 Cert											
LKSD-3 Meas		2.80	0.410	4.7		2.1				10.3	4.30
LKSD-3 Cert		2.70	0.400	4.80		2.00				11.4	4.60
TDB-1 Meas		3.40								2.60	
TDB-1 Cert		3.4								2.7	
W-2a Meas		2.10	0.310	2.5		3.0	0.48		0.1	2.30	
W-2a Cert		2.10	0.330	2.60		0.300	0.200		0.0300	2.40	
W-2a Meas											
W-2a Cert											
W-2a Meas											
W-2a Cert											
DTS-2b Meas											
DTS-2b Cert											
SY-4 Meas											
SY-4 Cert											
SY-4 Meas											
SY-4 Cert											
SY-4 Meas											
SY-4 Cert											
CTA-AC-1 Meas		10.9	1.11			2.53					4.20
CTA-AC-1 Cert		11.4	1.08			2.65					4.4
BIR-1a Meas		1.70		0.6							
BIR-1a Cert		1.7		0.60							
BIR-1a Meas											
BIR-1a Cert											
BIR-1a Meas											
BIR-1a Cert											
NCS DC86312 Meas	13.7	87.0	12.4							25.8	
NCS DC86312 Cert	15.1	87.79	11.96							23.6	
NCS DC70009 (GBW07241) Meas	2.20	16.0	2.32			2170	1.96	80		29.3	

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Bi	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.005	0.01	0.002	0.1	0.01	0.5	0.05	5	0.1	0.05	0.01
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NCS DC70009 (GBW07241) Cert	2.2	14.9	2.4			2200	1.8	81.2		28.3	
OREAS 100a (Fusion) Meas	2.25	14.8	2.08							50.3	135
OREAS 100a (Fusion) Cert	2.31	14.9	2.26							51.6	135
OREAS 101a (Fusion) Meas	2.70	17.8	2.41							34.9	412
OREAS 101a (Fusion) Cert	2.90	17.5	2.66							36.6	422
OREAS 101b (Fusion) Meas	2.71	17.6	2.50							35.9	387
OREAS 101b (Fusion) Cert	2.66	17.6	2.58							37.1	396
JR-1 Meas	0.700	4.76	0.750	4.2	1.89		1.49	21	0.5	27.1	9.00
JR-1 Cert	0.67	4.55	0.71	4.51	1.86		1.56	19.3	0.56	26.7	8.88
15ZE1079 Orig	0.212	1.42	0.202	1.9	0.22	< 0.5	0.20	10	< 0.1	2.11	1.15
15ZE1079 Dup	0.231	1.46	0.211	1.9	0.22	< 0.5	0.27	11	< 0.1	2.11	1.16
14ZE-730 15-44 Orig	0.227	1.46	0.214	1.0	0.20	1.8	< 0.05	< 5	< 0.1	0.07	0.10
14ZE-730 15-44 Dup	0.235	1.47	0.215	0.9	0.21	1.6	< 0.05	< 5	< 0.1	0.07	0.09
14ZE-746A 15-63 Orig	0.470	3.07	0.451	2.2	0.25	1.4	< 0.05	6	< 0.1	0.13	0.07
14ZE-746A 15-63 Dup	0.469	3.01	0.457	2.0	0.22	1.5	< 0.05	< 5	< 0.1	0.14	0.07
14ZE-768 15-78 Orig	0.364	2.33	0.358	1.4	0.14	1.2	< 0.05	< 5	< 0.1	< 0.05	0.05
14ZE-768 15-78 Dup	0.360	2.39	0.363	1.5	0.15	1.4	< 0.05	< 5	< 0.1	< 0.05	0.05
14ZE-789A 15-93 Orig	0.551	3.51	0.530	2.9	0.28	1.7	< 0.05	< 5	< 0.1	0.25	0.13
14ZE-789A 15-93 Dup	0.537	3.52	0.502	3.0	0.30	1.7	< 0.05	< 5	< 0.1	0.24	0.14
14ZE-808A 15-110 Orig	0.013	0.09	0.015	< 0.1	0.10	1.6	< 0.05	< 5	< 0.1	< 0.05	< 0.01
14ZE-808A 15-110 Dup	0.015	0.10	0.016	< 0.1	0.10	1.7	< 0.05	< 5	< 0.1	< 0.05	< 0.01
Method Blank	< 0.005	< 0.01	< 0.002	< 0.1	< 0.01	< 0.5	< 0.05	< 5	< 0.1	< 0.05	< 0.01