

18 December 2023

Overlapping lithium and rare earth anomalies identified at Hillside Project in the Pilbara

Exceptional results from first-pass soil sampling reveal the two groups of critical minerals co-exist in numerous, large anomalies

Highlights

- Multiple strong lithium anomalies have been detected, including a very large and consistent anomaly measuring 2.5km x 2km with results such as 477ppm Li₂O and key overlapping lithium indicators (Cs-Be-Rb-Nb-Ta)
- This soil anomaly also has an extensive overlapping zone of rare earth minerals, with results including 935ppm Total Rare Earth Oxide (TREO) within a very consistent >500ppm anomalous zone that extends over 5km x 2.4km
- Significantly, the results indicate high fractionation and a highly evolved fertile underlying granite, highlighting the strong prospectivity of a mixed traditional LCT and NYF (rare element) pegmatite field existing within the tenure
- High-resolution imagery suggests the lithium anomalism is close to multiple possible pegmatite dyke swarms
- Both the lithium and rare earth anomalies remain open
- Detailed geology field mapping, rock chipping and extension soil sampling will commence immediately in early Q1 2024.

Mitre Executive Director Ray Shorrocks said: *“These are compelling results which clearly highlight the strong exploration potential at Hillside. To have such outstanding results for both lithium and rare earths is exceptional and hence we are so keen to get back into the field early next year.*

“We look forward to updating the market as we rapidly progress these two new large-scale lithium and rare earth anomalies”.

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Patrick Gowans Non-Executive Chairman
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Mitre Mining Corporation Limited (ASX: MMC) is pleased to advise that the maiden soil sampling program at its 100 per cent-owned Hillside project (E45/6126) has yielded exceptional results which demonstrate the highly fertile nature of the southern Tambina granite stock.

The large-scale exploration potential of the tenure is evident with an anomalous lithium zone (Figure 1) (Li_2O values up to 477ppm) over a 2.5km x 2km area. The highly evolved nature of the underlying granite is supported by the key lithium indicator ratios of Mg-Li and K-Rb (Figure 2) coinciding with elevated Niobium, Beryl and Caesium.

A secondary Lithium trend proximal to the NE/SW Black Range dolerite resembles the recent discovery of the Yunger Pegmatites in the Murchinson which sit proximal and internal to the dolerite. This is significant as the dolerite has ~7km of strike across the Mitre tenure.

There are also indications of Rare Element pegmatites (NYF) associated with the Lithium anomaly. These can be defined by a distinct Niobium-Yttrium-Gallium zonation (Figure 3) and can be a potential source of the observed Rare Earth enrichment.

Visually, the terrain is dominantly undercover with numerous low outcrop zones. Where exposed, numerous subvertical 20-30cm pegmatite dyke swarms (Figure 4) and pegmatitic pavements were observed as containing a dominant coarse-grained Feldspar-Muscovite-Quartz-Microcline matrix (Figure 5). Limited rock chips¹ on these coarse-pegmatitic granites and the exposed greenstone show a highly evolved pegmatite, with low lithium results potentially due to weathering.

A desktop review of the elevated Lithium results overlaid with high resolution imagery shows a series of potential dyke structures near the highest-grade results (Figure 2, Image A) that the Company will target in follow up field work to determine the source of the anomalism.

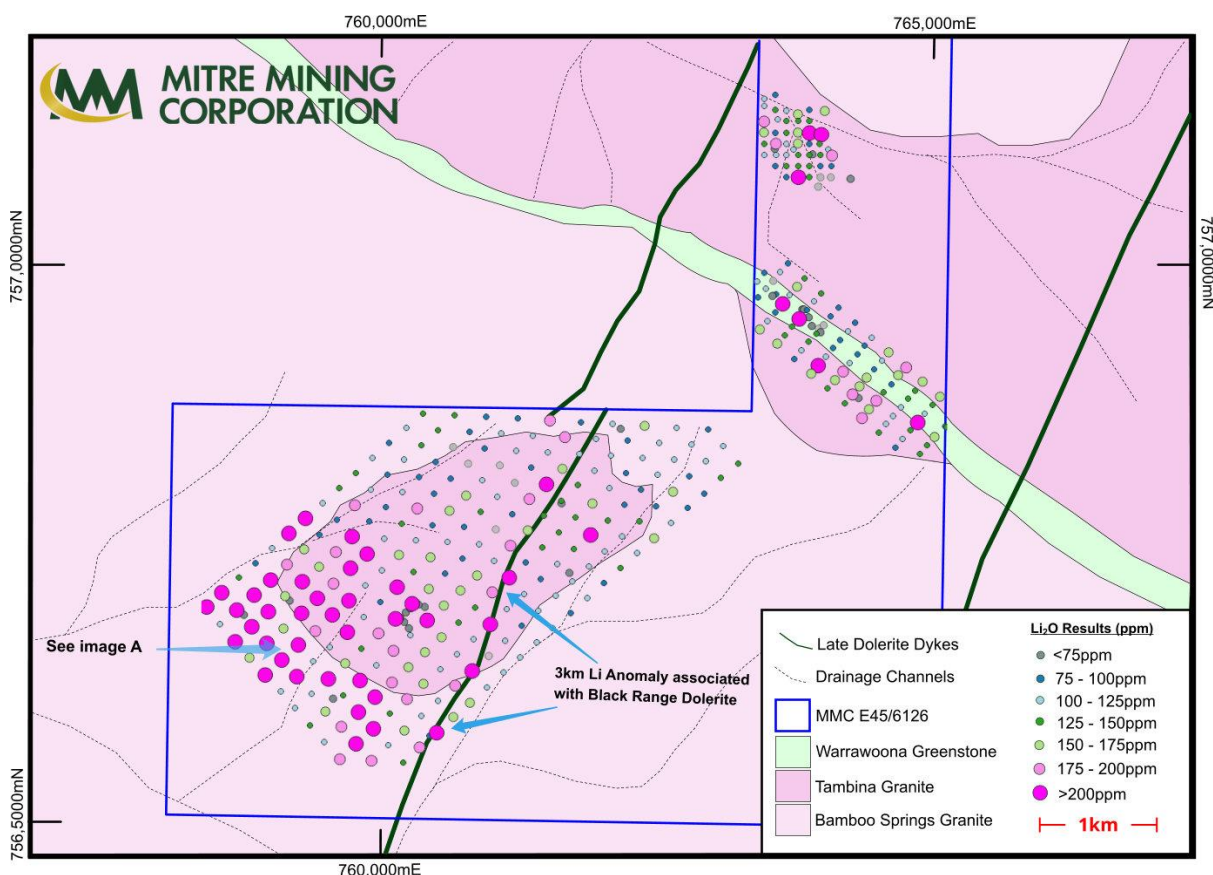


Figure 1: Large scale high tenure Lithium (Li_2O) anomaly on the southern contact of Tambina granite.

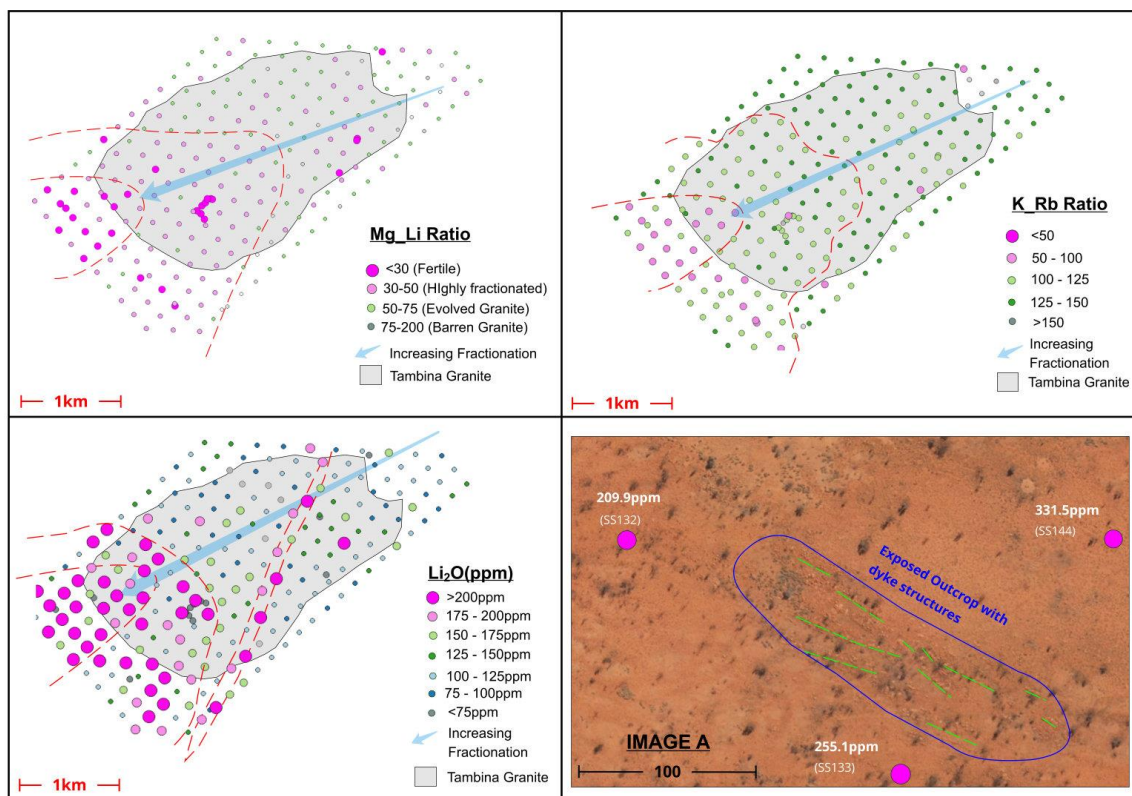


Figure 2: Select Indicators showing increasing fractionation to the South West within the Tambina granite with overlapping elevated Niobium and Caesium. Image A: Dyke structures proximal to elevated Li₂O soil results.

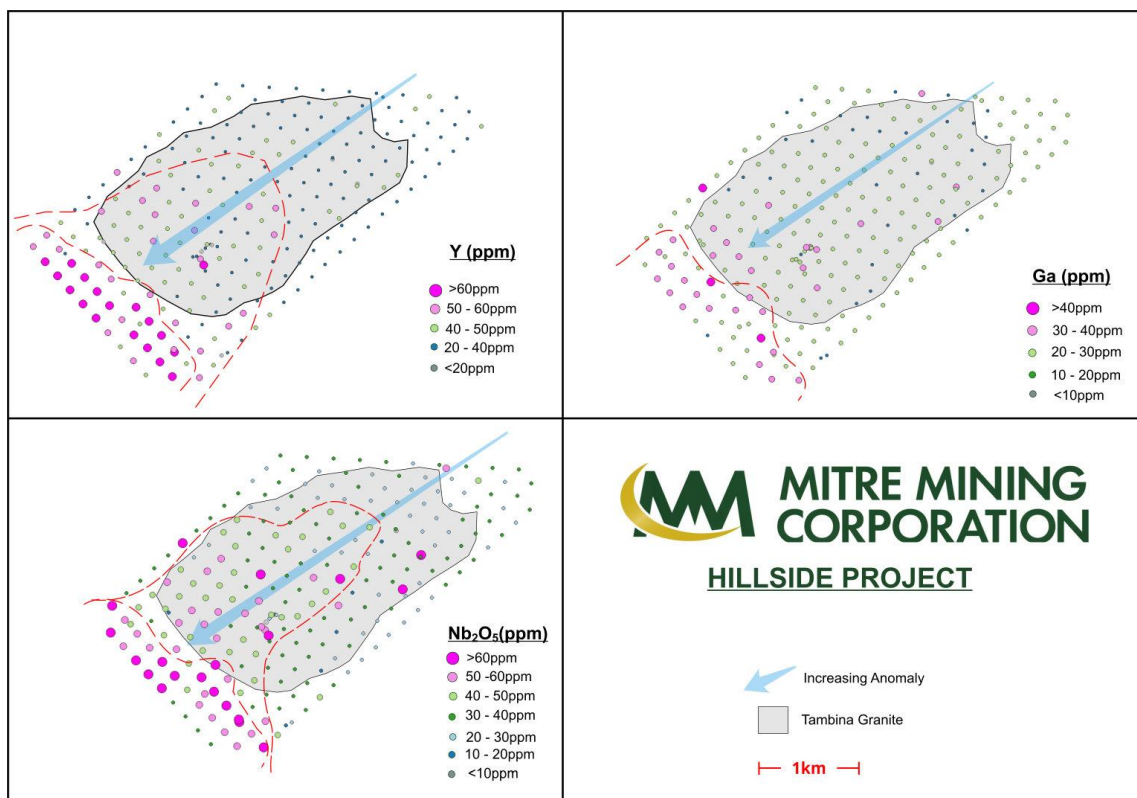


Figure 3: Increase in the Niobium, Yttrium, Gallium proximal to the southern Tambina granite contact could indicate presence of NYF rare-element pegmatites.



Figure 4: Example of the multiple pegmatite dykes in low outcrop running through the Tambina Granite (X:761,706, Y:7568519).



Figure 5: Example of the pegmatitic pavement running through the Tambina Granite (X:760,359, Y:7,566,955), proximal to sample S206 with results of 276.6 Li₂O.

The soil campaign has highlighted two distinct zones of Rare Earth enrichment (Figure 6) in the Tambina granite. The enrichment is believed to represent a mixed eluvial/placer style REE deposit which is formed from the weathering of the underlying granite and accumulation of heavy minerals (typically Monazite and Xenotime) and Rare Earths in the residual alluvial flood plain fans over time.

Importantly, these styles of Rare Earths deposits have the potential to be large and low cost to exploit due to the low strip, ease of extraction and basic processing routes.

The elemental ratio seen at Hillside favours a light rare earth LREE (Ce-La-Nd-Pr) dominant system (80% ratio of TREO) over the heavy rare earth (HREO - 20%) with overlapping Thorium, Yttrium, and Zircon anomaly.

Limited rock chip sampling¹ over the pegmatite areas has shown typical background TREO grades of <250ppm. These are believed to not be representative of the wider system due to their limited nature and targeting of specific rock types.

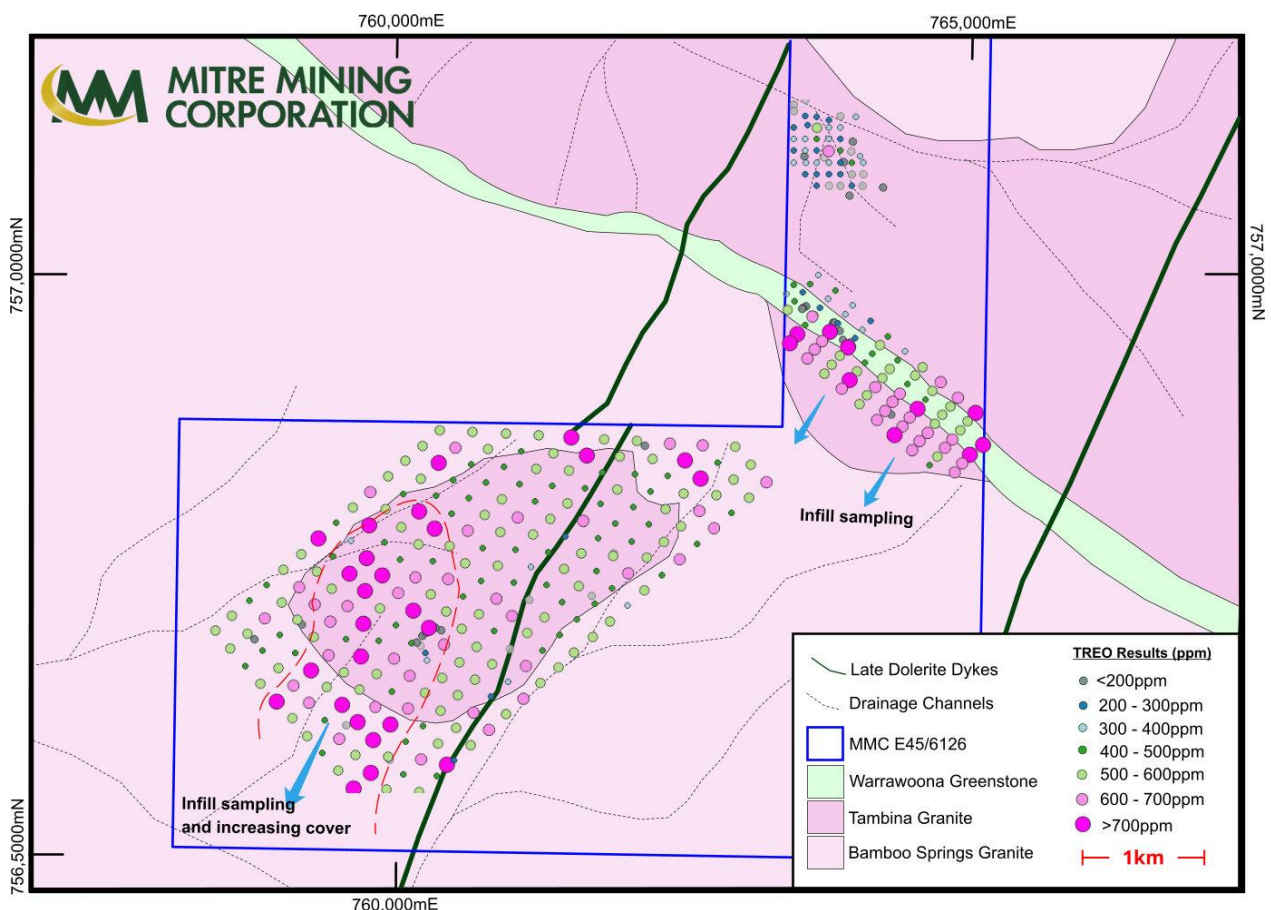


Figure 6: TREO anomalism in soils with high grade >600ppm TREO central core in an area of increased alluvial cover.

Further Exploration

Further exploration will involve detailed mapping and rock chip sampling of the southern Tambina dyke structures to determine the origin of the lithium anomaly, infill soil sampling over the Tambina granite TREO anomalies to determine the full extent of the accumulations within the alluvial fans, following which a QEMScan analysis on the collected samples will be conducted to determine the mineral composition.

Once these works are completed an auger drill campaign is planned to test the alluvial fans.

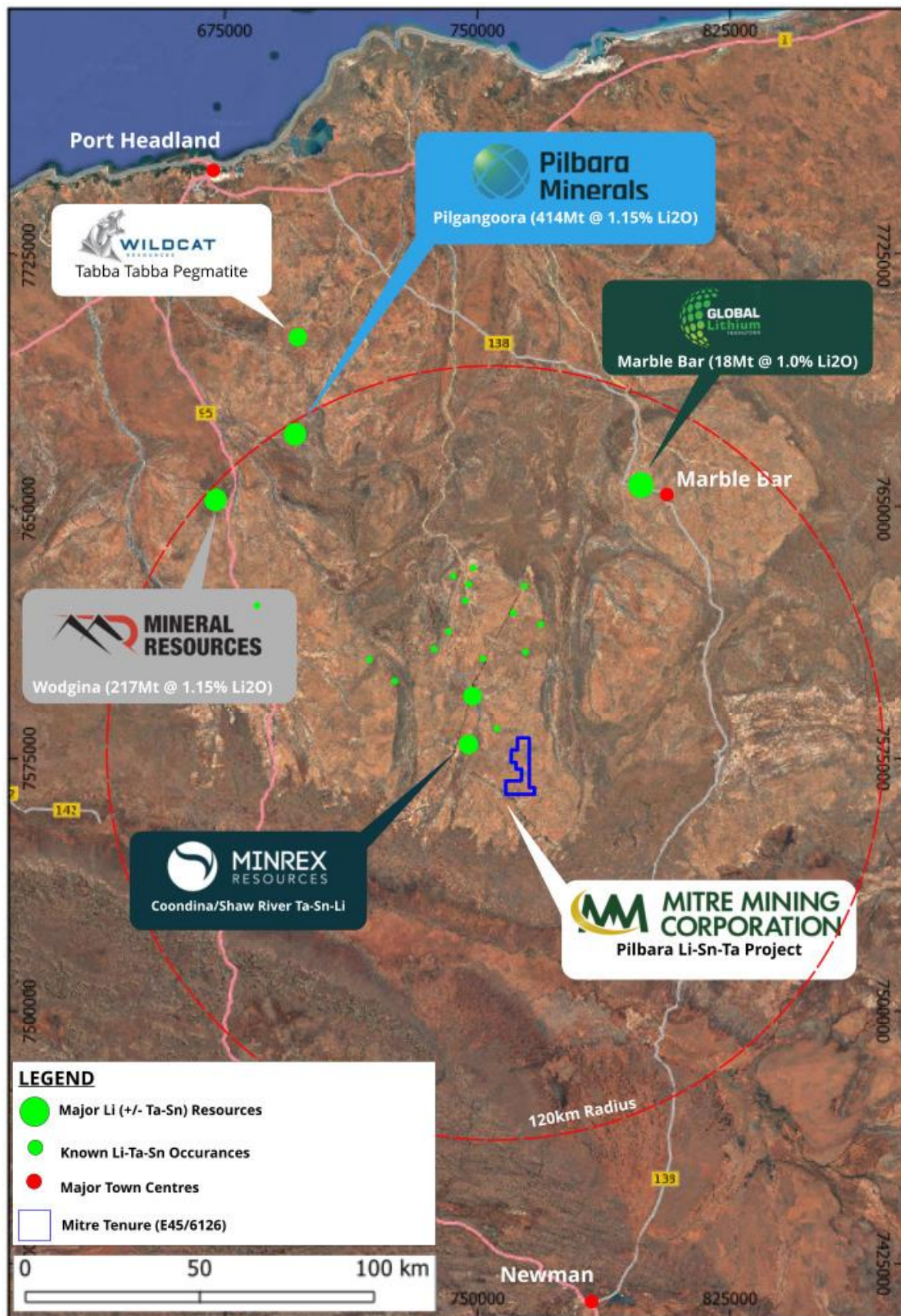


Figure 7: Mitre Tenure within the Shaw River/Coondina district – the major Pilbara Lithium mining district.²

-ENDS-

This announcement has been approved for release by the Board of MMC.

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About Mitre Mining

Mitre Mining Corporation Limited (ASX:MMC) is an Australian mineral exploration and development company. The Company is exploring for Li-Sn-Ta mineralisation within its Western Australia tenure in the Pilbara and Menzies districts, and polymetallic style mineralisation within its NSW tenure in the Araluen and Batemans Bay areas.

Mitre has also entered into definitive agreements to acquire the Cerro Bayo Silver-Gold project in the Aysen region of Southern Chile (refer to ASX release dated 1 December 2023). Following completion of the transaction, which remains subject to receipt of shareholder approvals (inter alia), Mitre intends to rapidly advance the project and grow the existing JORC Inferred Resource.

Competent Persons Statement

The information in this release that relates to Exploration Results is based on information compiled by Mr Tim Laneyrie, a Competent Person who is a Member of the Australasian Institute of Mining and Metallurgy. Mr Tim Laneyrie is employed full-time by the Company as Chief Geologist and holds performance rights in the Company. Mr Laneyrie has sufficient experience that is relevant to the styles of mineralisation and the types of deposits under consideration, and to the activities being undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Laneyrie consents to the inclusion in this release of the matters based on his information in the form and context in which it appears.

End Notes and compliance statements

1. Refer to MMC's ASX announcement dated 21 June 2023 and titled "Pegmatites and lithium pathway indicators identified".
2. For information in this announcement that relates to: Wodgina (217Mt @ 1.15% Li₂O), refer to Mineral Resources' ASX release dated 22 September 2023 titled "Mineral Resource and Ore Reserve update"; Pilgangoora (414Mt @ 1.15% Li₂O) refer to Pilbara Minerals' ASX release dated 7 August 2023 titled "Substantial increase in Mineral Resource"; and Marble Bar (18Mt @ 1.0% Li₂O) refer to Global Lithium's ASX release dated 15 December 2022 titled "GL1 delivers transformative lithium resource base".

The information in this announcement that relates to previously reported Exploration Results and Mineral Resources has been previously released in ASX Announcements as noted in the text and End Notes above. Mitre is not aware of any new information or data that materially affects the information in the said announcements. The Company confirms that the form and context in which the Competent Persons' findings are presented have not been materially modified from the original market announcements.

APPENDIX A – Multi-element Assay data

ME-MS61L, 48 element 4 acid digest (elements Au-Ge)

Coordinates in MGA94 Z50

Sample	East	North	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm
S001	763445	7571453	0.001	0.058	5.18	1.92	600	1.49	0.157	9	0.046	61.3	6.69	47.6	4.48	18.45	2.73	14.85	0.07
S002	763445	7571392	0.001	0.06	5.29	2.27	540	1.46	0.186	8.66	0.045	59.8	5.88	38.7	4.63	17.3	2.45	15.3	0.07
S003	763445	7571253	0.001	0.056	5.56	2.18	520	1.87	0.193	7.18	0.059	87.3	8.23	40.6	9.13	20	3.26	16.9	0.1
S004	763445	7571153	0.001	0.054	7.36	3.04	710	2.17	0.268	1.32	0.043	109.5	9.49	57.1	6.1	19.75	4.29	21.5	0.12
S005	763445	7571053	0.001	0.052	5.62	4.62	530	1.83	0.227	8.43	0.033	103	8.67	48.3	4.49	22.8	3.19	17.3	0.1
S006	763445	7570953	0.001	0.106	5.76	3.94	500	2.4	0.227	9.39	0.076	129	12.65	37.7	5.27	33.8	4.42	21.7	0.13
S007	763545	7571492	<0.001	0.043	7.32	1.45	770	1.9	0.181	1.75	0.046	57.5	8.09	46.5	4.95	15.45	2.71	20.9	0.08
S008	763545	7571353	0.001	0.05	7.46	1.59	730	2.08	0.233	1.71	0.044	84.1	9.07	50.5	7.02	18.25	3.25	22.4	0.09
S009	763566	7571271	<0.001	0.07	6.55	2.46	610	1.96	0.228	1.34	0.07	103.5	9.01	57.3	9.24	21.9	3.5	20	0.12
S010	763545	7571153	<0.001	0.049	7.16	2.64	790	2.21	0.205	0.94	0.043	107	9.59	47.8	6.95	20.5	3.3	20.7	0.12
S011	763545	7571053	0.001	0.059	7.14	2.46	600	2.64	0.227	2.45	0.066	117.5	13.75	42.3	8.47	37.8	5.22	24.2	0.14
S012	763548	7570953	0.001	0.108	7.25	2.94	590	2.29	0.306	2.08	0.046	120	13.05	53.1	5.57	33.9	4.16	23.3	0.14
S013	763545	7570853	<0.001	0.083	7.66	2.6	670	2.4	0.196	0.99	0.06	101	10.3	59.3	6.47	30	3.56	21.6	0.12
S014	763645	7571347	<0.001	0.046	7.16	1.44	730	1.98	0.211	2.39	0.041	66.7	8.7	54.1	5.34	19.75	3.18	21.1	0.1
S015	763645	7571253	<0.001	0.092	7.77	4.67	540	2.99	0.385	0.9	0.047	183	14.95	80.1	7.87	26.4	4.76	24	0.17
S016	763645	7571153	0.002	0.08	7.12	4.91	420	2.68	0.4	0.75	0.056	140.5	12.4	72.6	6.73	30.5	4.08	23.3	0.15
S017	763645	7571053	0.001	0.06	7.04	1.88	800	2.06	0.191	1.36	0.024	80.3	8.89	55.3	6.13	18.95	3.34	20.5	0.12
S018	763645	7570953	0.001	0.06	6.97	3.04	710	2.15	0.226	1.47	0.057	137.5	10.15	57.7	5.9	19.3	3.93	20.4	0.15
S019	763645	7570853	<0.001	0.063	6.69	3.08	600	2.14	0.23	2.29	0.033	87.7	11.6	58.3	6.28	28.5	4.02	19.4	0.11
S020	763645	7570753	<0.001	0.039	6.74	2.41	580	2.17	0.206	1.06	0.054	94.4	12.85	69.5	6.81	38.2	3.68	20.2	0.11
S021	763745	7571316	0.002	0.046	5.15	2.51	418	1.78	0.219	10.65	0.042	67.1	10.7	44.8	4.26	34	3.29	17.3	0.09
S022	763745	7571253	0.001	0.053	7.02	4.02	520	2.1	0.325	1.43	0.059	117	11.1	87.1	6.72	31.4	4.36	20.9	0.13
S023	763745	7571153	0.001	0.066	5.15	3.57	400	1.81	0.282	6.56	0.048	130.5	11.45	76.5	4.67	32.9	3.96	18.2	0.12
S024	763745	7571053	0.001	0.094	6.48	5.04	418	2.65	0.29	4.31	0.059	218	15.05	92.1	4.32	25.4	4.96	22.4	0.18
S025	763745	7570953	0.001	0.094	5.43	4.1	370	1.77	0.278	8.23	0.052	109.5	11.05	67.7	4.82	32.2	3.76	17.3	0.12

Sample	East	North	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm
S026	763745	7570853	0.001	0.083	5.75	4.14	460	2.02	0.213	7.41	0.041	96.3	12.9	68.5	4.93	37.7	3.84	19.4	0.1
S027	763745	7570753	<0.001	0.072	4.96	1.86	440	1.78	0.117	6.59	0.072	64.5	21.8	104	4.18	96.2	4.14	15.1	0.08
S028	763845	7571353	<0.001	0.039	7.2	1.36	750	1.78	0.185	1.53	0.051	58.1	8.09	49.2	4.48	14	2.92	21.6	0.07
S029	763845	7571253	<0.001	0.067	6.98	2.51	530	2.07	0.268	2.27	0.047	111	12	72.4	6.38	30.8	4.02	20.9	0.12
S030	763845	7571153	0.002	0.034	3	1.91	206	1.26	0.166	15.85	0.04	72.4	10.95	30.2	2.65	59.7	3.25	14.35	0.08
S031	763845	7571053	0.006	0.081	6.3	4.63	399	2.1	0.27	5.13	0.049	131	14.5	115.5	5.2	41.3	4.83	20.5	0.12
S032	763845	7570953	0.001	0.097	4.02	3.08	269	1.55	0.139	10.35	0.059	64.3	22.2	99.1	3.26	114.5	4.54	12.85	0.08
S033	763845	7570853	0.002	0.039	6.17	1.94	600	2.05	0.215	3.07	0.041	88.5	12.85	64.1	4.18	29.1	3.98	20.1	0.1
S034	763845	7570753	0.001	0.052	7.03	1.44	640	1.94	0.18	1.11	0.015	47.9	5.92	36.7	5.17	13.75	2.61	20.2	0.07
S035	763984	7571344	0.001	0.075	7.42	1.99	560	2.13	0.271	1.96	0.045	106	10.25	71.2	6.44	26.8	3.89	22.9	0.11
S036	763951	7571134	0.004	0.035	2.41	3.26	295	0.96	0.068	15.2	0.041	34.2	14.95	47	2.1	76.4	2.58	7.34	0.05
S037	763938	7571049	0.001	0.096	4.38	2.13	369	1.58	0.122	7.73	0.131	60.4	23.5	123.5	3.62	102.5	4.9	13.1	0.16
S038	763945	7570953	0.001	0.091	6.82	4.71	470	1.9	0.344	3.43	0.062	135.5	12.95	77.9	6.78	28.8	4.81	18.95	0.21
S039	763945	7570853	0.001	0.033	6.73	1.8	700	1.69	0.199	2.45	0.051	56	7.77	40.2	4.91	12.45	2.9	17.85	0.19
S040	763945	7570753	0.001	0.056	7.19	2.08	670	1.89	0.16	0.87	0.036	67.4	7.77	39.7	4.77	17.85	2.69	19.6	0.22
S041	764015	7571006	0.001	0.052	5	2.46	530	1.49	0.26	9.31	0.056	99.6	8.75	53.6	4.63	16.35	3.47	15.15	0.21
S042	764045	7570953	0.001	0.09	5.39	3.69	380	1.66	0.335	6.7	0.073	115	13.3	67.5	5.5	29.9	4.43	17.85	0.2
S043	764045	7570853	0.001	0.069	6.04	3.15	580	1.63	0.252	5.36	0.054	59.7	9.62	51.9	5.52	19.15	3.2	16.5	0.16
S044	764038	7570753	0.001	0.07	7.21	2.07	700	1.8	0.129	1.65	0.022	46.7	7.07	34.9	4.21	18.05	2.37	17.95	0.16
S045	763447	7569901	0.001	0.077	6.97	3.57	670	2.2	0.22	1.15	0.08	157	15.7	117	7.27	36.4	4.11	19.25	0.24
S046	763381	7569826	0.002	0.138	8.22	5.9	430	1.84	0.38	1.55	0.151	92.1	32.6	163	6.85	178.5	7.61	22.2	0.24
S047	763654	7569986	0.001	0.088	9.02	4.94	450	2.6	0.261	0.65	0.046	116	11.95	61.7	5.07	21.7	3.85	26.1	0.22
S048	763588	7569911	0.001	0.138	8.45	6.04	540	2.62	0.29	0.6	0.043	133	13.8	74.3	7.38	31.2	4.65	24.9	0.28
S049	763522	7569836	0.001	0.132	8.38	5.26	399	2.8	0.407	0.54	0.035	74.3	10.2	72.5	6.6	25	3.7	27.2	0.21
S050	763456	7569760	0.001	0.085	6.99	3.55	620	1.99	0.29	1.37	0.093	133.5	20.3	263	7.21	46.1	5.05	19.15	0.26
S051	763390	7569685	0.002	0.076	7.23	3.81	820	2.51	0.209	0.88	0.031	166	11.7	63.1	7.86	26	3.89	20.6	0.27
S052	763804	7569855	0.002	0.122	8.31	4.01	550	2.59	0.255	0.74	0.036	135	12.95	63.8	6.68	23.4	4.14	24.8	0.28
S053	763738	7569779	0.002	0.145	10.35	7.38	429	2.86	0.368	0.39	0.051	128.5	18.65	75.4	7.13	28.3	4.75	31.6	0.26
S054	763673	7569704	0.001	0.084	8.34	5.65	369	2.07	0.438	0.46	0.063	82.9	14.85	85.1	6.33	33.3	4.45	24.1	0.2
S055	763607	7569629	0.001	0.146	8.87	4.38	670	2.25	0.275	1.09	0.073	221	20.8	234	8.8	52.9	5.63	24.2	0.3
S056	763541	7569553	0.002	0.081	7.7	4.12	820	2.58	0.259	0.89	0.032	148	11.25	71.6	6.7	25.4	4.09	22.2	0.26

Sample	East	North	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm
S057	763475	7569478	0.003	0.071	8.32	4.54	750	2.57	0.247	0.86	0.033	253	15.2	67.5	7.94	26.8	4.94	26.5	0.34
S058	763409	7569403	0.001	0.067	9.61	6.31	720	2.89	0.349	0.6	0.029	258	16.4	69.9	8.53	32.5	5.56	30	0.4
S059	763955	7569723	0.003	0.057	9.16	6.61	450	3.06	0.299	0.48	0.053	116.5	11.75	66.4	7.57	22.8	4.46	27.8	0.26
S060	763889	7569648	0.001	0.132	7.6	5.52	429	2.1	0.342	0.53	0.089	117.5	12.9	76.2	6.77	27.5	4.68	21.6	0.22
S061	763823	7569572	<0.001	0.135	7.58	4.45	410	2.14	0.31	0.65	0.043	75.2	8.69	59.9	6.35	21.8	3.54	22.5	0.2
S062	763757	7569497	0.001	0.113	9.35	5.72	690	2.73	0.281	0.8	0.032	295	19.4	106	10.8	37.4	6.12	31.2	0.4
S063	763691	7569422	0.001	0.07	8.68	3.99	780	3.07	0.245	0.85	0.032	234	15.4	71.5	7.92	24.9	4.77	27	0.27
S064	763626	7569347	0.001	0.087	8.2	4.8	700	2.4	0.308	0.88	0.049	227	18.25	70.7	7.22	31.1	5.36	24.9	0.3
S065	763560	7569271	0.001	0.074	9.07	4.53	820	2.89	0.243	0.7	0.032	220	15.5	60	7.84	30.5	5.09	27	0.34
S066	764105	7569591	0.001	0.082	7.76	3.7	560	2.09	0.46	0.7	0.034	79.8	7.21	55.5	5.73	18.8	3.21	21.7	0.2
S067	764039	7569516	0.001	0.078	8.03	4.41	650	2.28	0.464	0.7	0.033	98.7	8.57	57.1	6.94	19.35	3.65	23.8	0.24
S068	763974	7569441	<0.001	0.119	8.7	4.81	351	2.13	0.557	0.53	0.015	63	8.79	71	6.94	20.4	3.37	26.2	0.21
S069	763908	7569365	0.001	0.096	7.68	4.07	750	1.97	0.289	1.24	0.046	260	16.15	149	7.2	35	4.86	22.5	0.34
S070	763842	7569290	0.001	0.049	8.43	4.83	780	2.53	0.215	0.64	0.021	204	13.6	65.9	6.55	19.25	4.34	25.2	0.35
S071	763776	7569215	0.001	0.066	8.4	4.72	730	2.4	0.207	0.67	0.023	172.5	13.65	63.5	5.55	22	4.28	22.9	0.26
S072	763710	7569140	0.001	0.073	7.33	3.58	790	2.17	0.19	0.71	0.027	160.5	13.1	59.5	5.3	24.1	3.85	20.8	0.28
S073	764256	7569460	0.001	0.075	7.44	3.83	690	2.43	0.204	0.74	0.057	157.5	12.65	50.7	5.91	26.8	3.66	21.1	0.17
S074	764190	7569384	0.002	0.08	7.91	4.05	810	2.25	0.215	0.96	0.044	185	15.4	75.3	6.26	28.8	4.46	21.2	0.23
S075	764124	7569309	0.001	0.072	7.84	4.26	780	2.35	0.208	0.84	0.039	150	13.1	68.2	5.49	24.5	4.07	21.8	0.25
S076	764058	7569234	0.001	0.066	7.78	4.11	760	2.49	0.195	0.79	0.034	132.5	10.9	58.7	5.4	20.6	3.78	20.9	0.21
S077	763993	7569158	0.001	0.086	8.04	4.1	800	2.95	0.225	0.78	0.04	183.5	13.75	52.6	7.27	22.5	4.17	25.3	0.26
S078	763927	7569083	0.001	0.056	11.3	7.49	640	4.21	0.378	0.5	0.048	224	19.75	61.5	15	35.2	6.27	35.6	0.39
S079	763861	7569008	0.002	0.053	8.54	5.89	610	2.86	0.288	0.64	0.029	201	16.15	70.7	7.73	35.9	5.33	26.2	0.32
S080	764406	7569328	0.001	0.086	9.33	5.79	530	2.94	0.257	0.55	0.031	131.5	11.75	62.2	8.51	21.2	4.95	29.1	0.22
S081	764341	7569253	<0.001	0.08	7.04	3.17	750	2.32	0.193	0.83	0.041	127	11.75	54.2	4.97	25.7	3.72	18.25	0.26
S082	764275	7569177	0.001	0.096	7.82	3.9	770	2.67	0.193	0.8	0.031	161.5	13.25	52.7	5.67	24.2	3.93	21.2	0.28
S083	764209	7569102	0.001	0.074	8.39	4.61	700	2.86	0.223	0.75	0.039	160.5	13.35	54.7	6.05	24.4	4.31	23.4	0.26
S084	764143	7569027	0.001	0.083	9.6	5.31	650	3.22	0.257	0.68	0.027	214	15.3	59.2	8.29	28.5	5.13	30	0.31
S085	764077	7568952	0.001	0.073	7.72	3.82	710	2.7	0.241	0.83	0.027	200	13.25	58.2	6.95	22.3	4.67	24.6	0.31
S086	764011	7568876	0.002	0.064	8.62	4.87	700	3.55	0.253	0.64	0.012	171	13.15	60.2	7.73	21.6	4.47	24.2	0.27
S087	764557	7569196	0.001	0.084	9.35	5.11	710	2.93	0.258	0.62	0.031	181	14.2	57.2	6.81	25.8	5.1	29.4	0.32

Sample	East	North	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm
S088	764491	7569121	0.001	0.09	7.93	3.84	840	2.36	0.211	1.03	0.032	157.5	13	57.4	6.74	25.7	4.64	23.3	0.3
S089	764425	7569046	0.001	0.062	7.25	4.2	760	2.7	0.204	0.77	0.024	154.5	9.82	52.1	5.72	22	3.72	19.7	0.29
S090	764359	7568970	0.001	0.078	8.5	5.06	720	2.89	0.229	0.79	0.023	191	13.4	57.5	7.24	27.7	4.68	26.6	0.31
S091	764294	7568895	0.001	0.062	8.77	5.61	780	2.94	0.236	0.69	0.025	222	12.35	52.9	6.81	24.7	4.7	27.8	0.31
S092	764228	7568820	0.001	0.072	9.74	5.43	660	3.19	0.263	0.69	0.028	228	14.85	59.9	8.56	27.5	5.05	30.8	0.35
S093	764162	7568745	0.001	0.066	8.16	5.19	700	2.91	0.234	0.65	0.031	227	14.65	61.6	8.3	25.3	4.5	24.7	0.35
S094	764708	7569065	0.009	0.092	9.76	5.84	830	3.02	0.284	0.65	0.043	231	15.9	61.7	6.85	27.3	5.35	28.8	0.34
S095	764642	7568989	0.001	0.083	9.78	5.59	700	3.11	0.239	0.74	0.034	194.5	16	64.6	8.38	27.3	5.3	30.5	0.33
S096	764576	7568914	<0.001	0.062	7.08	3.65	720	2.5	0.22	0.73	0.03	126	10.6	53.8	4.83	21.9	3.6	19.4	0.32
S097	764510	7568839	0.001	0.082	7.79	4.1	880	3.09	0.25	0.84	0.033	239	13.95	57.1	7.25	28	4.51	25.3	0.31
S098	764444	7568764	0.001	0.085	8.66	5.6	670	3.64	0.304	0.75	0.011	198	12.5	64.5	7.73	26.2	5	27.5	0.39
S099	764378	7568688	0.002	0.062	8.17	5.01	690	2.93	0.258	0.69	0.012	199	14.85	63.7	7.9	25.6	4.71	24.7	0.36
S100	764313	7568613	0.002	0.07	8.36	4.63	810	3.13	0.267	0.69	0.028	257	14.6	64.4	8.59	27.5	4.79	27.4	0.36
S101	764858	7568933	<0.001	0.152	8.55	5.78	670	2.7	0.248	0.72	0.102	197.5	17.9	63.6	7.71	37.4	5.52	26.5	0.36
S102	764792	7568858	0.002	0.102	8.25	4.74	730	3.36	0.299	0.64	0.039	193	14.8	60.9	7.96	20.4	4.45	25.1	0.34
S103	764726	7568782	0.001	0.087	8.2	4.98	730	3.16	0.266	0.68	0.023	164.5	12.55	59.4	7.51	21	4.3	26.7	0.34
S104	764661	7568707	0.002	0.079	8.3	5.16	790	2.85	0.315	0.66	0.028	184	14.2	61.6	5.73	23.8	4.64	25.6	0.38
S105	764595	7568632	0.001	0.077	9.46	5.35	820	3.48	0.301	0.77	0.039	205	16.45	69.1	7.41	27	5.07	27.7	0.41
S106	764529	7568557	0.001	0.081	8.47	4.97	780	2.91	0.249	0.6	0.031	201	14.7	59.4	6.73	24.2	4.5	24	0.32
S107	764463	7568481	0.001	0.09	8.74	5.13	790	3	0.252	0.72	0.037	213	15.85	56.6	7.44	27.9	4.72	26.4	0.35
S108	765009	7568801	0.001	0.087	9.16	6.15	810	3.96	0.342	0.66	0.035	252	16.55	61	10.25	26	4.7	30	0.37
S109	764943	7568726	0.001	0.105	8.9	6.29	680	3.37	0.293	0.58	0.028	189	13.8	61.8	6.85	23.6	4.86	30	0.2
S110	764877	7568651	0.001	0.227	8.66	6.13	770	3.03	0.258	0.61	0.027	202	13.8	64.5	6.15	25.4	4.55	26.7	0.22
S111	764811	7568575	0.001	0.096	10.4	5.98	620	3.23	0.258	0.49	0.028	217	14.45	60.7	7.71	28.9	5.25	32.5	0.28
S112	764745	7568500	0.002	0.086	8.59	5.3	700	2.98	0.252	0.61	0.029	200	14.8	64.1	6.8	26.6	4.55	24.5	0.26
S113	764679	7568425	0.001	0.075	7.41	4.37	760	2.64	0.24	0.69	0.043	167.5	12.35	59.4	5.74	25.9	4.2	20.9	0.25
S114	764614	7568350	<0.001	0.097	7.01	4.05	740	2.48	0.199	0.65	0.033	137	11.45	57.4	5.39	25.6	3.68	19.4	0.21
S115	765071	7568530	<0.001	0.172	7.61	4.07	760	2.42	0.298	0.98	0.046	251	13.05	71.6	6.72	32.1	5.21	24.7	0.29
S116	764962	7568444	0.001	0.085	8.77	5.38	640	3.02	0.277	0.66	0.029	278	16.95	68.8	7.54	32.5	4.95	29	0.28
S117	764896	7568369	0.001	0.081	8.56	4.85	730	2.94	0.269	0.65	0.017	226	14.2	62.9	7.43	25.1	4.66	27.1	0.28
S118	764830	7568293	0.001	0.092	8.21	4.03	830	2.78	0.228	0.67	0.021	238	13.45	61.8	6.92	26.2	4.63	25.3	0.28

Sample	East	North	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm
S119	758471	7566934	0.003	0.16	8.48	5.18	470	3.23	0.653	3.16	0.044	183.5	10.65	63.2	11.25	31.1	4.88	31.2	0.26
S120	758594	7566775	0.001	0.178	8.18	5.06	450	3.69	0.729	0.42	0.058	133	12.7	64.5	8.79	27.6	4.18	27.5	0.22
S121	758727	7566626	0.001	0.101	10.6	7.53	470	4.39	0.877	0.4	0.051	156	12.35	70.7	11.15	29.4	4.9	36.1	0.24
S122	758860	7566476	0.001	0.128	9.78	6.36	500	4.18	0.734	0.45	0.051	132	10.85	71.3	10.55	27	4.75	34.3	0.28
S123	758993	7566327	0.001	0.181	8.82	6.33	610	3.88	1.01	0.51	0.055	253	14.45	70.2	14.45	35.1	5.17	32.9	0.28
S124	759135	7566178	0.001	0.113	8.25	6.35	520	3.47	0.625	0.52	0.075	148	11.35	78.3	9.05	27.4	4.46	26.3	0.28
S125	759260	7566028	0.001	0.091	6.75	3.45	690	2.92	0.326	0.58	0.052	198	13.85	57.6	8.42	29.5	3.81	19.5	0.24
S126	759393	7565879	0.001	0.128	7.3	3.65	630	2.98	0.399	0.7	0.076	152	9.36	58.9	8.81	29.4	3.79	23.3	0.19
S127	759526	7565730	0.002	0.096	7.34	4.39	610	3.14	0.47	0.58	0.061	176	11.45	65.9	8.04	24.7	3.96	21.8	0.22
S128	759659	7565580	0.001	0.102	8.62	5.8	770	3.44	0.427	0.66	0.041	300	13.45	66.7	12.15	26.2	5.29	24.6	0.27
S129	758610	7567057	0.001	0.101	8.11	5.48	630	3.4	0.353	0.51	0.043	170	9.9	64.7	11.55	23.9	4.24	26.9	0.28
S130	758743	7566908	0.001	0.087	9.77	6.75	640	3.93	0.461	0.44	0.039	209	14.2	68.8	13.85	27	5.12	32.6	0.26
S131	758877	7566759	0.001	0.131	9.75	6.84	520	3.73	0.602	0.42	0.035	142	12.15	76.1	10.45	27.5	4.8	33.2	0.24
S132	759010	7566609	0.001	0.167	9.53	6.49	520	4.04	1.195	0.41	0.05	173	13.15	75.4	10.85	28.9	4.95	32.6	0.26
S133	759143	7566460	0.001	0.118	9.62	6.83	580	4.14	0.512	0.5	0.062	208	14	74.7	15.15	29.5	5.03	33.7	0.33
S134	759276	7566311	0.001	0.127	8.37	6.71	510	3.61	0.482	0.66	0.058	204	13.65	83.1	12.55	33.5	5.46	32.2	0.26
S135	759409	7566161	<0.001	0.138	7.29	4.09	640	3.01	0.432	0.62	0.07	143	9.77	62.3	7.51	27.7	3.76	23.3	0.24
S136	759536	7566002	0.001	0.131	8.49	5.61	520	3.76	0.409	0.51	0.05	206	13.8	67.6	9.63	26	4.7	28.9	0.37
S137	759675	7565863	0.005	0.112	8.37	5.32	510	3.43	0.456	0.55	0.04	158.5	9.38	68.5	9.2	27	4.11	26.8	0.24
S138	759808	7565714	0.001	0.151	8.94	5.85	550	4.01	0.558	0.52	0.084	239	15.15	64.6	10.8	28.4	4.62	30.4	0.24
S139	759941	7565564	0.001	0.11	9.51	6.54	530	3.95	0.864	0.43	0.065	196	14.35	72.1	9.9	29.2	4.9	31.5	0.25
S140	758760	7567190	0.002	0.093	7.48	3.88	730	2.93	0.413	0.66	0.048	144	10.45	61.1	9.43	25.2	3.86	22.4	0.25
S141	758893	7567041	0.001	0.096	9.55	6.2	660	3.68	0.43	0.5	0.04	235	14.95	68.7	12.75	40.4	5.13	32.3	0.29
S142	759026	7566892	0.001	0.191	9	6.21	410	3.52	0.402	0.36	0.04	139	12.9	70.8	12.15	32.6	4.99	30	0.23
S143	759159	7566742	0.001	0.087	8.38	5.54	600	3.4	0.922	0.5	0.041	133	11.9	72.4	8.9	28.5	4.59	28.6	0.25
S144	759292	7566593	0.001	0.101	11	7.58	540	4.74	0.609	0.42	0.014	278	14	69.2	16	31.6	5.52	40.7	0.33
S145	759425	7566444	<0.001	0.115	6.84	3.85	700	2.76	0.314	0.59	0.061	174	12.65	59.9	8.48	31.3	3.8	20.8	0.15
S146	759558	7566295	0.001	0.144	8.84	5.82	590	3.88	0.439	0.53	0.067	294	15.55	64.5	15.1	30.3	5.09	31.4	0.29
S147	759691	7566145	0.001	0.149	7.95	5.42	620	3.77	0.409	0.6	0.079	249	12.05	60.7	10.35	28.9	4.49	28.1	0.23
S148	759824	7565996	0.001	0.135	11.65	8.47	630	4.84	0.462	0.42	0.03	300	13.05	57.7	13.65	25.2	4.95	42.2	0.32
S149	759957	7565847	0.001	0.068	10	6.83	470	3.92	0.424	0.43	0.04	157.5	13.4	74.6	10.9	28.5	4.88	34.4	0.28

Sample	East	North	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm
S150	760090	7565697	0.001	0.075	8.17	6.01	480	3.04	0.482	0.38	0.045	131.5	12.4	71.7	7.69	27.3	4.02	26.6	0.2
S151	760224	7565548	<0.001	0.071	8.86	6.2	480	3.43	0.436	0.39	0.08	181.5	14.15	76.7	9.28	31.2	4.49	31.8	0.23
S152	758909	7567323	<0.001	0.078	6.95	3.11	730	2.69	0.268	0.62	0.056	172	11.9	52.6	7.49	25.1	3.25	20.3	0.19
S153	759042	7567174	0.002	0.171	9.44	5.51	650	3.53	0.389	1.06	0.051	180.5	10.6	70.4	11.9	25.1	4.98	27.5	0.21
S154	759175	7567025	<0.001	0.085	8.21	4.47	780	3.23	0.412	0.58	0.041	171.5	10.45	60.4	8.54	26.2	4.13	25.4	0.2
S155	759318	7566875	0.002	0.116	9.37	6.22	570	3.73	0.386	0.41	0.039	170	15	68.6	9.94	31.4	4.62	30.2	0.23
S156	759441	7566721	<0.001	0.079	8.56	5.17	780	3.08	0.312	0.64	0.038	226	11.85	61.6	8.8	29.2	4.55	27	0.26
S157	759574	7566577	<0.001	0.1	7	4.41	780	2.9	0.325	0.6	0.049	173.5	11.1	60.1	8.31	26.3	3.97	24.6	0.27
S158	759707	7566428	0.002	0.121	9.75	7.2	540	3.95	0.41	0.42	0.037	195	15.55	72.5	10.95	28.2	4.73	33.9	0.24
S159	759841	7566278	0.002	0.102	10.05	5.93	580	3.81	0.393	0.46	0.031	217	15.25	68.6	12.6	29.6	5.39	31	0.32
S160	759974	7566129	0.007	0.083	9	6.23	890	3.44	0.343	0.53	0.041	256	13.7	66.8	11.65	30.6	5.16	27.8	0.34
S161	760107	7565980	0.001	0.076	7.95	5.17	460	2.89	0.296	0.4	0.053	147.5	11.45	68	7.85	28.5	4.34	24.1	0.21
S162	760240	7565830	0.001	0.099	9.1	6.49	560	3.4	0.477	0.54	0.049	197	13.1	74	9.98	28.5	5.02	28.4	0.26
S163	760373	7565681	0.001	0.087	8.47	7.32	480	3.18	0.479	0.59	0.075	153.5	15.5	133	9.92	36.6	5.28	25.4	0.24
S164	759058	7567456	0.001	0.093	7.36	4.09	660	2.73	0.353	0.66	0.059	175.5	11.75	57.8	10.5	24	3.69	24	0.28
S165	759191	7567307	0.002	0.068	7.92	5.52	670	2.94	0.347	0.56	0.035	207	13.4	70.3	9.92	25.5	4.32	28.5	0.37
S166	759324	7567158	0.001	0.132	9.42	6.22	630	3.49	0.46	0.5	0.041	222	13.55	67.4	10.2	25.4	4.87	30.7	0.4
S167	759458	7567009	0.003	0.101	9.98	6.63	650	3.69	0.684	0.47	0.035	223	13.9	65.5	14.35	27.1	4.97	36.5	0.36
S168	759591	7566859	0.001	0.096	9.79	5.77	590	3.64	0.43	0.58	0.036	157	11.5	61.6	16.6	35.4	5.07	30.7	0.29
S169	759724	7566710	0.001	0.078	10.05	6.46	690	4.24	0.404	0.54	0.024	240	14.05	65.7	9.73	25.2	5.45	32	0.34
S170	759857	7566561	<0.001	0.072	7.87	4.41	630	3.23	0.293	0.51	0.048	185	10.7	56	8.02	25	4.12	23.3	0.26
S171	759990	7566411	<0.001	0.076	7.39	3.47	670	2.71	0.256	0.53	0.052	156.5	10.6	60.3	7.29	23.5	3.86	21.2	0.25
S172	760123	7566262	0.001	0.069	9.09	5.54	610	3.43	0.33	0.53	0.049	240	13.55	67.9	10.2	26.8	5.03	27.7	0.33
S173	760256	7566113	<0.001	0.064	9.86	6.46	510	3.25	0.286	0.33	0.037	154	14.1	73.1	8.56	25.1	4.83	28.9	0.29
S174	760389	7565963	<0.001	0.093	7.28	4.73	630	2.82	0.291	0.5	0.034	163	9.62	67	7.44	27	3.78	23.3	0.28
S175	760522	7565814	0.001	0.062	6.5	4.03	355	1.57	0.196	2.8	0.062	66.7	19.8	213	6.97	43.6	5.02	15.35	0.21
S176	759208	7567590	0.003	0.073	12.75	8.59	480	4.37	0.395	0.59		211	13.15	64.4	15.6	25.7	5.32	41.1	0.34
S177	759341	7567440	<0.001	0.084	7.74	4.04	560	2.9	0.365	0.62	0.059	197	11	59.1	9.15	22.9	4.23	25	0.29
S178	759474	7567291	0.002	0.08	7.84	4.44	820	3.02	0.311	0.66	0.078	189.5	10.7	64.6	9.64	24.5	4.07	24.9	0.31
S179	759607	7567142	0.001	0.081	8.51	4.53	900	3.37	0.342	0.63	0.042	210	10.7	59	10.9	24.7	4.2	26.5	0.39
S180	759740	7566992	0.001	0.11	8.93	5.74	700	3.8	0.371	0.52	0.048	250	12.7	65.1	12.9	28.8	5.1	28.4	0.38

Sample	East	North	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm
S181	759873	7566843	<0.001	0.088	7.21	3.51	720	2.77	0.268	0.61	0.036	147.5	8.55	57.4	6.83	21.1	3.65	21.1	0.14
S182	760006	7566694	0.001	0.076	8.8	5.49	550	3.19	0.327	0.68		235	9.1	61.1	11	28.3	4.93	27.8	0.18
S183	760139	7566544	0.001	0.078	8.56	5.22	590	3.2	0.382	0.47	0.021	240	13.7	66.2	10.25	21.6	4.84	26.8	0.21
S184	760272	7566395	0.001	0.074	8.91	5.24	640	3.12	0.295	0.44	0.03	178	12.1	65.6	9.53	23.7	4.57	26.1	0.2
S185	760405	7566246	0.001	0.096	8.78	4.71	640	3	0.312	0.42	0.032	188	11.6	63.1	8.67	26.2	4.5	25.7	0.17
S186	760538	7566097	0.001	0.117	7.7	5.15	650	2.69	0.284	0.37	0.034	165.5	15.5	74.4	7.36	29.6	4.22	21.8	0.2
S187	760671	7565947	0.001	0.076	7.38	4.91	480	2.32	0.273	2.19	0.041	185	10.25	71.5	6.43	23.9	4.3	20.7	0.15
S188	759357	7567723	0.001	0.119	8.15	4.61	710	3.05	0.292	0.66	0.027	276	13.6	60.7	12.6	25.2	4.96	24.9	0.22
S189	759480	7567573	<0.001	0.07	6.52	3.25	660	2.5	0.24	0.49	0.048	153	9.2	49.2	7.64	21.1	3.1	17.9	0.12
S190	759623	7567424	0.001	0.131	8.51	4.78	660	3.64	0.375	0.86	0.084	240	10.35	61	12.9	22.9	4.73	28	0.21
S191	759756	7567275	0.001	0.096	8.67	4.92	710	3.27	0.302	0.58	0.031	248	12.8	59.9	9.82	24.4	4.61	26.5	0.21
S192	759889	7567125	<0.001	0.084	8.9	5.26	690	3.58	0.384	0.45	0.034	201	14.3	59.5	9.12	25.6	4.57	28.7	0.19
S193	760022	7566976	0.002	0.082	7.41	4.07	600	3.28	0.292	0.51	0.037	147	9.97	56	6.95	19.35	3.57	22.9	0.14
S194	760155	7566827	0.005	0.096	8.57	3.99	620	3.3	0.325	0.51	0.025	161	8.68	55.6	9.86	20.2	3.98	26.9	0.13
S195	760288	7566678	<0.001	0.05	7.32	4.69	580	2.42	0.271	0.58	0.019	115.5	7.75	69.6	6.8	20.5	3.89	21.8	0.11
S196	760422	7566528	0.001	0.076	10	6.04	600	3.68	0.464	0.32	0.005	213	12.55	68.5	8.92	29.3	4.66	31.1	0.24
S197	760555	7566379	<0.001	0.099	7.99	5.02	620	2.78	0.28	0.37	0.043	196.5	13.55	66.3	8.07	29.1	4.24	24	0.17
S198	760688	7566230	0.001	0.126	9.48	6.94	510	2.78	0.349	0.5	0.045	183.5	15.6	112	9.57	35.8	4.96	28.8	0.24
S199	760821	7566080	0.001	0.119	7.02	5.47	510	2.64	0.453	4.66	0.046	218	11.7	69.6	12.85	30	4.45	22.3	0.19
S200	759506	7567856	0.001	0.083	7.5	3.84	770	2.66	0.248	0.66	0.025	126.5	8.5	58.6	6.83	21.5	3.51	21.6	0.13
S201	759639	7567706	<0.001	0.082	6.75	3.36	660	2.34	0.229	0.53	0.037	129	9.87	53.2	5.99	22.3	3.13	18.45	0.13
S202	759772	7567557	0.006	0.114	8.23	5.06	570	3.54	0.394	0.62	0.019	228	12.4	61.8	13.35	22	4.71	26.9	0.22
S203	759905	7567408	0.001	0.094	10.1	5.62	560	3.33	0.357	0.54	0.02	245	11.95	56.7	11	29.5	5.51	35.5	0.36
S204	760038	7567259	0.003	0.111	8.46	6.34	630	3.38	0.363	0.39	0.028	213	13.2	60.4	11.9	23.2	4.2	27.4	0.19
S205	760172	7567109	<0.001	0.114	8.58	5.83	600	3.39	0.472	0.54	0.052	261	13.8	68.9	10.7	27.8	4.58	29.7	0.24
S206	760305	7566960	0.001	0.086	9.32	6.03	600	3.52	0.379	0.48	0.024	299	13.55	64.4	13	24.1	4.88	30.9	0.26
S207	760438	7566811	0.001	0.067	9.52	6.03	650	3.08	0.404	0.38	0.022	217	13.95	71.1	9.23	25.5	4.81	29.5	0.21
S208	760571	7566661	0.001	0.074	9.5	6.08	860	3.08	0.316	0.41	0.038	210	16.1	72.7	9.15	28.2	4.81	28.4	0.19
S209	760704	7566512	0.001	0.083	8.02	5.25	680	2.74	0.314	0.39	0.032	181	15.85	75.8	8.36	26.1	4.45	25	0.19
S210	760837	7566363	0.003	0.084	6.71	4.79	371	1.89	0.165	6.12	0.037	79	21.5	290	5.95	45	4.69	17.7	0.11
S211	760970	7566213	0.001	0.074	6.99	4.37	660	2.43	0.324	0.51	0.03	196.5	16.15	68	8.57	25.2	3.97	21.1	0.2

Sample	East	North	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm
S212	759655	7567989	0.001	0.074	7.47	4.16	720	2.71	0.248	0.59	0.036	169	10.65	57	7.63	20	3.65	21.6	0.17
S213	759794	7567839	0.01	0.091	8.54	5.28	590	3.58	0.389	0.57	0.025	256	13	62.4	10.15	24	4.63	27.4	0.27
S214	759922	7567690	0.001	0.085	6.54	3.44	610	2.65	0.283	0.53	0.055	145.5	10.25	52.5	7.28	22.1	3.45	19.75	0.17
S215	760055	7567541	0.001	0.086	7.37	3.95	730	2.75	0.277	0.56	0.027	143.5	9.93	52.7	7.74	23.1	3.56	23	0.17
S216	760188	7567392	0.001	0.112	8	5.3	490	3.16	0.487	0.51	0.051	235	12.55	73.5	11.4	24.5	4.4	28.4	0.23
S217	760321	7567242	0.001	0.067	8.34	5.72	550	3.29	0.362	0.5	0.034	186.5	14.1	61.5	8.44	22.7	4.22	26.2	0.21
S218	760454	7567093	0.001	0.103	8.4	5.63	590	3.19	0.347	0.49	0.031	197.5	12.95	62.1	7.74	25.8	4.24	26.6	0.25
S219	760587	7566944	0.001	0.064	8.92	6.71	650	3.24	0.329	0.44	0.034	171.5	14.25	71	8.52	26.3	4.7	27.3	0.29
S220	760720	7566794	0.001	0.08	8.64	6.09	760	3.26	0.312	0.39	0.039	175.5	14.8	71.9	9.32	25.1	4.53	26	0.24
S221	760853	7566645	0.002	0.096	8.03	5.26	710	3.03	0.288	0.49	0.047	184.5	13.45	68.4	9	27.2	4.26	24.4	0.25
S222	760986	7566496	0.001	0.054	6.14	3.71	670	2.16	0.232	0.57	0.044	122	12.45	92.1	6.1	24.9	3.78	17.5	0.18
S223	761119	7566347	<0.001	0.086	7.34	3.89	550	2.95	0.269	0.44	0.084	230	18.5	62.2	8.16	36.4	4.15	22.5	0.22
S224	759805	7568122	0.001	0.078	8.42	5.38	680	3.21	0.258	0.6	0.033	226	13.35	58.2	9.03	21	4.23	27.1	0.24
S225	759938	7567973	0.001	0.081	8.13	4.44	740	3.51	0.392	0.65	0.035	196	10.15	57	9.9	19.35	4.01	25	0.23
S226	760071	7567823	<0.001	0.107	7.04	3.95	610	2.77	0.271	0.42	0.037	179.5	14.9	52.7	7.65	23.1	3.52	21.6	0.22
S227	760214	7567674	0.001	0.155	7.35	4.41	630	2.73	0.28	1.35	0.066	183.5	11.2	52.7	8.95	31.1	4.12	24.2	0.23
S228	760337	7567525	<0.001	0.077	7.06	3.94	670	2.67	0.281	0.65	0.042	140	9.89	57.3	7.63	25	3.66	20.1	0.21
S229	760470	7567375	<0.001	0.084	7.8	4.61	650	2.99	0.348	0.57	0.062	203	13.05	57.6	8.84	28	4.46	21.9	0.25
S230	760603	7567226	<0.001	0.082	7.09	4.1	670	2.84	0.286	0.55	0.037	122	8.83	56.5	7.37	23	3.38	21	0.22
S231	760736	7567077	0.001	0.069	8.32	6.3	640	3.21	0.322	0.49	0.038	167	13.5	69	8.94	26.3	4.51	25.8	0.25
S232	760869	7566927	0.007	0.078	9.21	5.87	820	3.59	0.409	0.39	0.027	153	14.3	72.6	10.4	29.5	4.49	29.6	0.28
S233	761002	7566778	0.002	0.072	6.97	4.59	439	1.88	0.166	1.32	0.044	54.2	24.6	347	5.36	47.1	5.6	18.15	0.16
S234	761136	7566629	0.001	0.062	7.93	5.18	680	3.02	0.27	0.52	0.028	218	16.35	63.8	6.86	24.7	4.42	24.4	0.25
S235	761269	7566480	0.001	0.088	7.18	4.41	570	2.76	0.267	0.46	0.04	178.5	14.35	60.1	7.99	33.6	3.75	21.9	0.2
S236	759954	7568255	0.004	0.068	7.83	4.65	820	3.12	0.236	0.66	0.036	201	12.05	55.5	8.21	23.2	3.92	23.4	0.26
S237	760087	7568106	0.001	0.07	6.84	3.38	720	2.5	0.243	0.6	0.042	158.5	11.9	51.8	6.72	22.8	3.39	19.7	0.21
S238	760220	7567956	<0.001	0.145	8.25	4.76	650	3.44	0.333	0.4	0.035	242	18.3	61.1	10.45	34.5	4.27	25.9	0.31
S239	760353	7567807	0.001	0.074	9.31	5.66	770	3.66	0.368	0.65	0.02	234	10.75	51.8	10.85	24.9	5.08	29.3	0.39
S240	760486	7567658	0.001	0.143	7.75	4.74	580	3.76	0.324	0.46	0.031	168	11.4	54.9	10.45	20.9	3.99	24.8	0.24
S241	760619	7567508	0.001	0.062	7.13	3.88	650	2.97	0.344	0.52	0.03	172	10.7	55	8.6	21.9	3.76	21.5	0.27
S242	760753	7567359	0.001	0.1	7.87	4.97	550	3.37	0.486	0.46	0.05	127	11.5	66.2	7.47	21.9	4.03	25.2	0.21

Sample	East	North	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm
S243	760886	7567210	0.001	0.069	9.27	6.46	610	3.5	0.371	0.5	0.033	208	13.4	70.6	10.25	23.4	4.88	30.2	0.28
S244	761019	7567061	0.001	0.087	8.76	6.15	580	3.64	0.415	0.48	0.035	218	17.4	81.5	10.35	31.8	4.9	29.2	0.3
S245	761152	7566911	0.001	0.067	7.82	5.14	600	2.77	0.246	0.56	0.051	196.5	22.1	119	7.43	32.1	4.77	23.5	0.3
S246	761285	7566762	<0.001	0.057	6.73	4.14	680	2.52	0.237	0.57	0.026	156.5	11.3	58.3	5.77	22.6	3.73	20.7	0.21
S247	761418	7566613	<0.001	0.092	7.26	4.63	520	2.9	0.286	0.42	0.039	195.5	16	64.4	8.04	32	3.97	22.7	0.23
S248	760103	7568388	<0.001	0.076	6.65	3.82	710	2.6	0.254	0.55	0.051	179.5	12.65	50.9	7.36	22.7	3.38	19.8	0.2
S249	760236	7568239	0.001	0.062	6.94	3.52	770	2.79	0.24	0.67	0.028	160.5	10.4	51.6	7.77	20.2	3.47	20.7	0.24
S250	760370	7568089	0.001	0.09	6.34	3.75	660	2.43	0.233	0.53	0.041	150.5	13.55	51.6	6.08	23.1	3.24	18.35	0.2
S251	760503	7567940	0.001	0.057	7.17	3.72	700	2.84	0.273	0.6	0.03	151.5	9.69	52.7	8.54	19.4	3.68	22.2	0.22
S252	760636	7567791	0.001	0.097	8.03	4.78	760	3.16	0.325	0.64	0.026	220	12.65	55.2	8.28	22.4	4.5	25.9	0.29
S253	760769	7567642	0.001	0.111	7.4	3.86	630	2.85	0.316	0.58	0.06	149	13.9	71.5	7.61	29.6	3.9	20.9	0.09
S254	760902	7567492	0.001	0.077	7.81	4.78	650	3.15	0.345	0.54	0.029	155	11.55	65.2	8.42	23	4.02	24.6	0.21
S255	761035	7567343	0.001	0.104	8.56	5.5	490	3.51	0.4	0.4	0.038	139	12.25	83.2	9.26	25	4.26	27.4	0.18
S256	761168	7567194	0.001	0.06	7.21	3.58	440	1.65	0.176	1.51	0.067	50.2	27	305	6.94	52.2	5.72	17.35	0.16
S257	761301	7567044	0.001	0.072	8.26	5.08	620	3.22	0.278	0.5	0.032	169.5	12.1	69.7	7.72	24	4.29	25	0.43
S258	761434	7566895	0.001	0.062	7.76	4.91	650	2.94	0.282	0.51	0.021	174.5	13.55	61.7	6.83	24.1	4.22	21.4	0.41
S259	761557	7566746	0.001	0.097	7.78	5.06	620	3.04	0.279	0.56	0.048	182.5	18.45	72.8	7.97	35.1	4.18	23.2	0.25
S260	760253	7568521	<0.001	0.079	6.86	3.6	780	2.73	0.422	0.65	0.067	175.5	13	52.1	9.45	27.5	3.69	19.85	0.23
S261	760386	7568372	0.001	0.074	8.43	4.75	890	3.18	0.263	0.72	0.041	259	16.35	60.8	10.05	25.8	4.45	24.9	0.3
S262	760519	7568223	0.001	0.052	7.09	4.53	740	2.85	0.263	0.62	0.029	153	11.8	58.1	7.32	20.5	3.61	21.1	0.27
S263	760652	7568073	0.001	0.081	7.18	3.83	810	2.62	0.313	0.66	0.03	153	10.3	52.6	7.59	21.5	3.82	20.6	0.28
S264	760785	7567924	0.001	0.076	8.79	5.02	790	3.16	0.297	0.6	0.025	200	12.85	58.6	8.93	20.6	4.68	27.8	0.29
S265	760918	7567775	0.001	0.145	8.82	5.04	620	3.45	0.43	0.55	0.041	203	14.75	63.8	8.75	25.4	4.53	28.8	0.41
S266	761051	7567625	0.002	0.078	7.13	4.68	630	2.58	0.255	0.55	0.039	129	15.2	93	7.19	27.1	3.75	19.8	0.22
S267	761184	7567476	0.004	0.086	8.9	5.5	500	2.93	0.428	0.64	0.048	126.5	22.8	200	9.17	37.7	5.52	26.7	0.26
S268	761317	7567327	0.001	0.072	7.82	4.94	660	3.1	0.363	0.48	0.03	151.5	17.35	108	11.2	28.5	4.32	22	0.25
S269	761450	7567177	0.001	0.063	7.51	4.71	660	2.82	0.282	0.53	0.039	138.5	13.65	75.8	7.3	26.9	3.92	20.8	0.24
S270	761583	7567028	0.001	0.113	7.56	5.13	660	3.06	0.31	0.62	0.046	158.5	11.95	60.1	8.08	25.5	3.94	22.1	0.26
S271	761717	7566879	0.001	0.076	7.2	4.17	680	2.77	0.272	0.51	0.032	202	17.35	66.6	7.51	37.2	4.01	21.3	0.29
S272	760402	7568654	0.001	0.061	7.5	4.3	850	2.93	0.285	0.88	0.041	172	10.8	57	11.65	24.5	4.11	23.6	0.3
S273	760535	7568505	0.001	0.078	8.15	4.94	890	3.37	0.332	0.68	0.017	224	13.55	59.7	10.55	21.4	4.46	25.9	0.46

Sample	East	North	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm
S274	760668	7568356	0.001	0.05	7.14	3.49	760	2.7	0.249	0.56	0.034	145	10.4	57.4	7.58	21.5	3.36	19.75	0.3
S275	760801	7568206	0.001	0.089	6.9	3.59	700	2.56	0.281	0.55	0.043	150	13.45	56.5	6.31	23.7	3.48	19.65	0.28
S276	760934	7568057	0.001	0.124	8.42	4.41	750	3.23	0.497	0.65	0.025	178.5	11.8	59.8	7.79	20.3	4.03	26	0.32
S277	761067	7567908	0.001	0.081	8.18	5.27	600	3.21	0.338	0.58	0.03	235	12.95	77.6	9.09	19.6	4.56	25.4	0.37
S278	761200	7567758	0.001	0.071	8.25	5.38	610	3.04	0.264	0.54	0.03	171.5	14.35	76.4	7.88	21.6	4.25	24.2	0.27
S279	761334	7567609	0.001	0.063	8.8	4.91	530	2.75	0.273	0.66	0.033	131	19.7	223	8.31	33.1	5.52	24.4	0.29
S280	761467	7567460	0.001	0.073	8.56	4.59	620	3.29	0.286	0.52	0.026	188.5	15.3	71	9.04	22.8	4.37	25.9	0.41
S281	761600	7567311	0.001	0.068	8.54	5.07	750	3.23	0.279	0.67	0.039	186	13.4	59.4	7.88	28.2	4.69	25.9	0.3
S282	761733	7567161	0.001	0.062	7.08	3.1	770	2.54	0.255	0.67	0.036	138	8.28	57.8	5.7	20.6	3.45	20.4	0.29
S283	761866	7567012	<0.001	0.075	7.91	4.19	730	2.65	0.269	0.59	0.038	182	12.75	62.5	7.07	27.6	3.83	22.3	0.31
S284	760684	7568638	0.001	0.063	7.77	4.61	930	3.15	0.318	0.75	0.023	198.5	11.35	56	9.06	22	4.02	22.6	0.32
S285	760817	7568489	0.001	0.06	7.32	3.69	870	2.9	0.258	0.65	0.045	167	11.35	55.3	8.14	22.3	3.59	21	0.4
S286	760951	7568339	0.001	0.07	6.86	3.45	770	2.69	0.272	0.67	0.067	157	14.4	59.4	6.88	27.4	3.78	18.55	0.31
S287	761084	7568190	0.001	0.067	6.91	3.47	710	2.67	0.238	0.63	0.05	140.5	11.55	67.7	6.79	25.2	3.46	19.6	0.3
S288	761217	7568041	0.001	0.065	7.42	4.11	660	2.96	0.282	0.58	0.022	151	9.77	66.1	7.31	19.3	3.76	22.9	0.44
S289	761350	7567891	0.001	0.088	9.44	6.07	580	3.69	0.329	0.63	0.039	195.5	12.45	80.1	15.8	23.9	4.99	29.3	0.17
S290	761483	7567742	0.001	0.054	6.93	3.75	418	1.56	0.199	0.83	0.061	76.6	37.1	390	13.2	48.4	5.48	16.75	0.11
S291	761616	7567593	0.001	0.052	8.47	4.68	620	3.39	0.288	0.53	0.02	196.5	12.25	64.2	9.26	20.2	4.09	24.9	0.17
S292	761749	7567444	0.001	0.112	7.95	3.98	690	3.22	0.287	0.59	0.021	159	10.6	59.4	8.56	20.3	3.63	22.1	0.17
S293	761882	7567294	0.001	0.072	6.99	3.67	670	2.66	0.252	0.57	0.028	140	12.65	63.8	6.85	25.3	3.69	18.25	0.14
S294	762015	7567145	0.001	0.043	6.65	3.22	840	2.14	0.247	0.58	0.03	117	6.51	61	6.13	20	3.29	16.65	0.12
S295	760967	7568622	0.001	0.078	7.44	3.94	830	2.99	0.308	0.65	0.033	175	10.35	57.8	8.95	24.1	3.73	20.1	0.19
S296	761100	7568472	<0.001	0.057	7.28	3.26	770	3	0.271	0.69	0.035	166.5	11.5	61.5	7.56	21.5	3.69	20.2	0.16
S297	761233	7568323	0.001	0.058	7.61	3.88	820	3.03	0.245	0.65	0.026	172	12.9	74.7	8.28	23.9	4.05	20.5	0.21
S298	761366	7568174	0.001	0.09	7.29	4.03	730	2.8	0.264	0.59	0.023	149	13.4	72.5	6.98	24.6	3.68	19	0.19
S299	761499	7568025	0.002	0.075	8.87	4.09	690	3.19	0.318	0.78	0.037	190.5	18.05	179	10.1	31.5	5.4	24.5	0.18
S300	761632	7567875	0.001	0.065	8.87	5.24	650	3.48	0.297	0.53	0.034	226	16	76	8.86	25.6	4.82	25.2	0.21
S301	761765	7567726	<0.001	0.043	7.45	3.53	670	2.72	0.279	0.61	0.026	172	11	58.6	7.15	19.5	3.9	20.5	0.17
S302	761893	7567577	0.001	0.064	8.1	4.46	650	3.32	0.3	0.57	0.028	200	9.85	68.7	10.95	20.8	4.19	23.4	0.21
S303	762021	7567427	0.001	0.092	7.74	3.65	780	3.23	0.297	0.58	0.031	221	19.8	65.4	9.29	45.1	4.18	20.8	0.2
S304	762164	7567278	0.003	0.065	8.39	5.49	590	3.19	0.335	0.47	0.021	200	13.65	78.1	9.95	25.4	4.82	23.2	0.24

Sample	East	North	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm
S305	761249	7568606	0.001	0.051	7.17	3.56	770	2.78	0.246	0.63	0.032	184.5	12.65	68.1	7.17	24.5	3.62	19.3	0.21
S306	761382	7568456	0.001	0.052	8.08	3.89	750	3.18	0.266	0.72	0.018	178	13.05	94.8	8.14	24.2	4.04	22.7	0.17
S307	761515	7568307	0.002	0.046	7.82	4.27	740	3.13	0.294	0.73	0.019	162.5	10.05	61.5	8.23	20	3.74	20.6	0.19
S308	761648	7568158	0.001	0.066	8.9	4.95	570	3.66	0.368	0.52	0.033	169.5	16.25	114.5	10.2	23.7	4.61	25.7	0.16
S309	761781	7568018	0.001	0.044	9.12	5.05	640	3.11	0.353	0.41	0.013	163.5	14.55	84.2	7.54	26.4	4.49	23.9	0.22
S310	761914	7567849	0.001	0.06	7.54	4.57	710	2.59	0.284	0.71	0.048	143	10.25	67	8.08	24	4.18	20.6	0.15
S311	762048	7567700	0.001	0.03	8.18	4.68	600	3.01	0.29	0.44	0.009	164.5	14.2	72.6	7.45	25.3	4.25	21.5	0.16
S312	762181	7567560	<0.001	0.055	7.42	4.21	730	3.17	0.336	0.67	0.027	181.5	12.95	64.5	7.58	37.7	4.04	19.55	0.19
S313	762314	7567411	0.003	0.045	7.68	4.01	720	2.86	0.304	0.6	0.02	173	10.45	61.3	7.41	23.5	4.23	20.5	0.15
S314	761531	7568589	0.001	0.065	10.1	4.87	740	4.2	0.375	0.67	0.016	358	17.05	132	12.7	28.6	5.83	32	0.27
S315	761665	7568440	0.001	0.087	8.52	3.92	870	3.57	0.388	0.68	0.022	310	12.15	65.4	12.55	28.8	4.56	24.7	0.24
S316	761798	7568291	0.004	0.047	7.09	4.29	540	2.06	0.254	0.9	0.04	148	22.5	228	8.27	33.7	5.64	17.85	0.17
S317	761931	7568141	0.001	0.064	8.25	3.83	710	3.03	0.267	0.53	0.02	194	12.85	69	8.61	21.2	4.06	21.8	0.2
S318	762064	7567992	0.001	0.067	7.18	3.73	700	2.6	0.251	0.62	0.036	165.5	12.35	65.4	7.83	23.5	3.67	19.2	0.18
S319	762197	7567843	<0.001	0.053	7.09	3.69	770	2.51	0.247	0.63	0.017	161	10.1	61.1	7.18	23.1	3.52	18.25	0.16
S320	762330	7567694	0.002	0.091	8.34	4.38	790	3.31	0.383	0.89	0.032	195.5	13.15	97.1	8.88	46.5	5.06	24	0.2
S321	762463	7567544	0.001	0.063	8.03	4.66	700	3.36	0.357	0.56	0.016	230	16.8	75.7	8.71	34.4	4.89	23.2	0.2
S322	761814	7568573	0.001	0.082	7.11	3.78	630	2.85	0.291	0.53	0.035	184.5	16.6	67.3	6.73	35.5	3.88	19.55	0.16
S323	761947	7568424	0.001	0.055	7.7	3.82	710	2.69	0.241	0.8	0.048	183	19.45	159	7.44	30.6	4.83	20.4	0.17
S324	762080	7568275	0.001	0.066	7.15	3.54	730	2.68	0.26	0.63	0.049	170	10.55	57.9	7.44	23.8	3.66	18.55	0.16
S325	762213	7568125	0.001	0.072	7.27	4.12	790	2.51	0.246	0.66	0.037	137.5	10.8	56.5	7.3	21.7	3.69	19.2	0.13
S326	762346	7567976	<0.001	0.074	7.5	4.52	920	2.73	0.251	0.63	0.028	188	14.7	62.7	7.3	28.4	3.82	20.4	0.19
S327	762479	7567827	0.001	0.08	7.08	3.98	680	2.86	0.255	0.57	0.031	179	19.1	68.1	7.18	42.9	3.97	20.7	0.21
S328	762612	7567677	0.001	0.086	7.21	4.23	570	2.72	0.23	1.08	0.041	138	24	144	6.19	92.7	5.72	21.8	0.22
S329	762096	7568557	0.001	0.083	7.37	3.22	820	2.82	0.271	0.69	0.061	184	15.6	84.9	8.75	32.5	3.98	20.9	0.22
S330	762229	7568408	0.001	0.077	6.97	3.56	820	2.54	0.232	0.68	0.045	169.5	12	59.1	7.07	24.1	3.64	18.75	0.22
S331	762362	7568258	0.001	0.083	7.42	4.62	790	2.59	0.288	0.6	0.026	164	12	66	6.14	24.8	3.89	21.4	0.21
S332	762495	7568109	0.001	0.079	7.76	4.52	780	3.3	0.421	0.62	0.026	189.5	12.9	65.6	8.09	28.3	4.14	22.6	0.24
S333	762629	7567960	<0.001	0.144	8.25	3.48	760	3.7	0.384	0.81	0.043	221	10.25	60.7	7.9	19.7	3.78	24.9	0.32
S334	762762	7567810	0.001	0.065	8.85	5.74	670	3.52	0.312	0.44	0.027	225	14.45	62.2	10.05	22.8	4.69	28.6	0.28
S335	762379	7568541	0.001	0.079	9.08	5.45	830	3.36	0.422	0.53	0.032	216	14.45	66.4	10.9	26.9	4.76	27.3	0.28

Sample	East	North	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm
S336	762512	7568391	0.001	0.094	7.42	4.41	970	2.54	0.253	0.76	0.026	265	13	60.2	7.39	24.6	4.24	21.8	0.3
S337	762645	7568242	0.001	0.072	7.88	4.59	990	2.93	0.262	0.67	0.059	260	14.95	60.6	8.83	36.5	4.59	24.6	0.31
S338	762778	7568093	0.001	0.087	7.19	4.6	660	2.65	0.242	0.55	0.046	178.5	18.35	76.5	6.57	40.6	4.25	22.3	0.32
S339	762911	7567943	0.001	0.07	7.07	4.48	630	2.79	0.272	0.51	0.043	134	12.65	58.7	6.26	26.4	3.55	20.6	0.25
S340	762661	7568524	0.001	0.066	7.74	4.49	910	2.96	0.279	0.63	0.026	216	11.1	56.6	7.96	25.2	4	23.4	0.3
S341	762794	7568375	0.001	0.087	7.13	3.93	760	2.63	0.241	0.74	0.056	148.5	19.75	95.1	8.33	61.6	4.61	20.7	0.28
S342	762927	7568226	0.001	0.056	7.71	4.05	810	2.85	0.244	0.59	0.035	199.5	12.65	63.3	7.47	25.7	3.96	22.2	0.29
S343	763060	7568077	0.001	0.053	7.42	4.42	830	2.84	0.269	0.62	0.031	203	12.2	58.5	8.64	25.7	3.99	21	0.31
S344	762943	7568508	0.001	0.068	7.09	3.35	830	2.6	0.23	0.64	0.046	170	13	63.4	6.44	28.3	3.72	21.5	0.29
S345	763076	7568359	0.001	0.054	7.58	4.33	830	2.57	0.223	0.63	0.032	203	12.05	59.3	6.93	26.2	3.98	22.1	0.29
S346	763210	7568210	0.001	0.067	7.65	4.29	780	2.78	0.253	0.59	0.033	254	12.45	56.4	7.97	30.1	4.24	23.2	0.32

ME-MS61L, 48 element 4 acid digest (elements Hf-Se)

Sample	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P %	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm
S001	5.55	0.033	1.63	30	51	1.19	342	0.69	1.31	12.25	18.15	0.034	17	94	<0.0004	0.03	0.35	6.4	0.485
S002	6.58	0.029	1.73	28.9	50.8	1.23	359	0.64	2.46	10.8	16.55	0.04	17.15	98.1	<0.0004	0.03	0.32	5.98	0.178
S003	6.84	0.042	1.83	51.1	91.8	1.63	523	0.67	2.78	15.35	20.6	0.047	23.4	105.5	<0.0004	0.05	0.43	7.25	0.199
S004	9.12	0.048	2.02	56.4	74.4	0.96	549	0.48	1.49	17.45	23.3	0.027	26.1	127.5	<0.0004	0.01	0.47	8.84	0.176
S005	6.61	0.038	1.41	52.8	62.6	1.14	376	0.38	0.967	13.95	20.4	0.041	20.7	91.3	<0.0004	0.02	0.4	7.84	0.412
S006	7	0.069	1.24	70.4	49	1.17	564	0.94	0.947	20.2	19.3	0.046	24.5	86.2	0.0005	0.02	0.54	10.95	0.282
S007	5.49	0.037	2.2	26.9	43.9	0.62	478	0.45	2.1	14.05	24.4	0.025	23	130	<0.0004	0.01	0.24	7.55	0.129
S008	6.5	0.054	2.23	37.9	62.5	0.86	540	0.5	1.905	16.2	26.7	0.025	27	136	0.0027	0.01	0.39	8.37	0.149
S009	7.14	0.054	2	51.6	57.6	0.67	528	0.56	1.425	16.7	23.1	0.023	25.9	125	<0.0004	0.02	0.41	9.23	0.251
S010	7.83	0.052	2.29	52	43.2	0.36	631	0.77	1.725	18.65	21.2	0.034	25.2	146.5	<0.0004	0.01	0.43	8.64	0.155
S011	10.1	0.101	1.82	58.1	83.7	1.31	1070	0.53	1.63	30.1	20.1	0.081	21.8	132.5	<0.0004	0.01	0.35	15	0.202
S012	8.37	0.055	1.96	63.2	53.1	0.7	707	0.6	1.44	16.65	28	0.039	33.1	112.5	<0.0004	0.03	0.43	9.73	0.351
S013	6.28	0.04	2.06	54.4	46.1	0.53	537	0.64	1.56	13.25	32.9	0.033	27.5	127.5	<0.0004	0.01	0.54	8.23	0.185
S014	6.8	0.043	2.1	30.3	51.4	0.86	479	0.44	2.04	14.65	28	0.033	23.2	121	<0.0004	0.01	0.3	8.27	0.063
S015	13.4	0.089	1.7	93.1	64.7	0.38	991	2.05	1.33	27.2	31.1	0.043	39.2	112	0.0004	0.01	0.74	13.55	0.437
S016	11.5	0.066	1.35	69.1	61.9	0.36	639	1.84	0.947	22.8	28.7	0.049	36.1	104	0.0004	0.01	0.63	11.1	0.297
S017	7.51	0.041	2.26	44.8	47.6	0.84	542	0.48	1.91	15.8	30.3	0.026	26.7	136	<0.0004	0.01	0.35	7.87	0.118
S018	9.8	0.052	2.07	67.8	52.9	0.66	545	0.48	1.48	17.25	24.6	0.027	27.7	118	<0.0004	0.02	0.49	8.83	0.204
S019	7.19	0.05	1.78	45.1	68.7	0.83	533	0.54	1.35	16.7	27.7	0.038	23.2	106.5	<0.0004	0.03	0.44	9.36	0.299
S020	6.63	0.047	1.85	49.3	43.2	0.73	652	0.67	1.455	13.55	46.8	0.029	25.7	117	<0.0004	0.01	0.46	8.48	0.149
S021	5.49	0.049	1.18	32.9	80.3	1.87	493	0.81	2.21	12.7	27.7	0.037	18.15	72.1	<0.0004	0.03	0.42	9.22	0.204
S022	9.53	0.062	1.61	69.3	69	0.92	520	0.91	1.305	18.3	34	0.034	27.9	110	0.0004	0.02	0.65	11.35	0.227
S023	8.55	0.079	1.24	65.2	77.4	1.7	489	0.57	0.753	19.55	35	0.05	23.3	84.4	<0.0004	0.03	0.5	12.85	0.479
S024	7.88	0.059	1.24	114.5	74.6	1.43	787	0.62	0.721	23.6	46.5	0.05	40.4	76.9	<0.0004	0.03	0.64	12.15	0.372
S025	9.51	0.052	1.02	54.2	68.9	1.45	498	0.56	0.617	17.45	30.4	0.045	28.6	73.2	<0.0004	0.03	0.53	9.31	0.332
S026	7.39	0.043	1.21	48.4	63.6	1.56	622	0.58	0.834	16.75	39.3	0.041	26.3	80.3	<0.0004	0.02	0.42	9.79	0.298
S027	5.8	0.03	1.4	29.5	98.7	2.26	562	0.73	1.275	13.35	95.7	0.058	14.65	77.9	<0.0004	0.03	0.31	9.14	0.944
S028	8.57	0.044	2.07	25.4	36	0.48	459	0.54	2.06	12.85	23.7	0.038	20.7	123.5	<0.0004	0.01	0.24	7.78	0.124
S029	7.77	0.05	1.56	53.6	65.3	0.94	561	0.65	1.885	18.85	39.4	0.04	28.9	110.5	<0.0004	0.01	0.44	9.91	0.159

Sample	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P %	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm
S030	3.81	0.054	0.57	28.7	108	2.9	480	1.29	2.2	13.5	21.7	0.071	12.1	36	0.0004	0.11	0.28	9.5	0.345
S031	9.65	0.063	1.22	70.4	42	0.84	628	0.61	0.611	21.5	59.3	0.037	30.3	80.6	<0.0004	0.02	0.6	13.3	0.237
S032	5.38	0.051	0.77	30.3	62.7	2.48	431	0.49	0.507	12.3	90.7	0.046	12.1	45.5	<0.0004	0.02	0.34	11.05	0.321
S033	7	0.055	1.87	41	64.6	1.37	613	0.54	1.535	16.7	38	0.053	22.7	102.5	<0.0004	0.01	0.38	9.48	0.168
S034	6.06	0.035	2.16	29.5	65.7	0.64	399	0.43	2.09	11.8	16.35	0.019	24	131.5	<0.0004	0.01	0.35	6.22	0.07
S035	7.67	0.042	1.7	52.8	77.2	0.82	480	0.62	1.27	18.1	34.5	0.062	26.1	121.5	<0.0004	0.01	0.36	9.72	0.189
S036	2.61	0.024	0.66	15.2	222	3.57	238	8.49	3.2	5.82	61.8	0.03	6.66	29.7	0.0005	0.52	0.22	5.5	1.41
S037	5.3	0.037	1.16	29.5	69.4	2.43	545	0.78	0.95	11.4	106.5	0.065	12.35	57.4	0.0018	0.03	0.31	10.65	0.441
S038	9.14	0.062	1.31	78.6	68.9	1.02	578	0.55	0.761	19.65	34.3	0.04	28.8	94	0.0014	0.02	0.66	11.3	0.262
S039	5.69	0.034	2.19	29	37.6	0.75	477	0.51	2.52	12.8	19.15	0.042	20.8	119.5	0.0011	0.02	0.33	6.96	0.109
S040	6.03	0.041	2.22	33.7	25.3	0.27	498	0.53	1.775	11.65	17.2	0.017	22.7	128.5	0.0007	0.01	0.34	6.53	0.138
S041	8.94	0.04	1.35	59.3	54.2	1.43	450	0.67	1.815	17.95	23.2	0.028	23.4	81.6	0.0005	0.03	0.42	7.55	0.228
S042	7.76	0.041	1.07	60.6	87	1.91	590	0.62	0.737	18.9	30	0.055	26.3	77.4	0.0004	0.02	0.55	10.25	0.433
S043	6.11	0.037	1.86	29.3	45.9	1.02	444	0.43	1.625	12.5	23.4	0.037	21.5	105	<0.0004	0.02	0.41	7.29	0.394
S044	5.24	0.029	2.37	23.4	25.7	0.35	354	0.47	1.95	9.74	19.4	0.019	19.6	126.5	<0.0004	0.01	0.34	5.45	0.185
S045	14.4	0.069	1.65	84.7	39.9	0.53	762	0.67	1.26	18.55	45.8	0.037	24.1	114	<0.0004	0.01	0.52	10.7	0.201
S046	14.25	0.073	1.19	59.6	57.5	0.81	1190	0.93	0.765	17.55	96.2	0.047	21.3	94	<0.0004	0.01	0.56	26.4	0.298
S047	12.35	0.06	1.67	52.8	40.7	0.23	633	1.02	1.245	19.8	24.1	0.024	39.5	113	<0.0004	0.01	0.59	9.39	0.428
S048	13.8	0.065	1.75	75.2	49	0.27	936	0.96	1.15	23.3	27.2	0.031	34.4	136.5	<0.0004	0.01	0.61	11.3	0.401
S049	13.35	0.054	1.62	40.1	29.7	0.22	882	1.01	1.295	18.95	24.8	0.027	45.1	110	<0.0004	0.01	0.67	9.29	0.417
S050	20	0.066	1.55	76	47.4	0.89	765	0.7	1.2	20.3	89.6	0.037	21.6	110	<0.0004	0.01	0.54	13	0.199
S051	19.15	0.07	1.81	97.8	42.3	0.32	716	0.66	1.425	22.4	22	0.032	26.7	121.5	<0.0004	0.01	0.55	9.42	0.244
S052	15.8	0.051	1.72	77.7	61.4	0.31	895	0.96	1.44	22.2	24.6	0.024	33.2	123.5	<0.0004	0.01	0.54	10.05	0.406
S053	10.85	0.064	1.47	66.6	80.9	0.25	1310	2.05	0.881	19.45	32.3	0.043	46	118	<0.0004	0.02	0.64	13.05	0.557
S054	8.19	0.052	1.32	42	47	0.34	1355	1.91	0.891	15	36.3	0.053	45.7	94.9	<0.0004	0.02	0.76	11.75	0.524
S055	17.1	0.066	1.44	130	99.5	0.77	734	1.22	1.175	14.9	75.1	0.064	24.9	108.5	<0.0004	0.02	0.59	13.8	0.318
S056	23.3	0.062	1.89	92.9	44.9	0.3	625	0.68	1.555	22.5	24	0.032	26.4	128	<0.0004	0.01	0.55	9.93	0.27
S057	35.8	0.085	1.73	134	55.8	0.39	849	0.77	1.28	30.4	23.5	0.049	31.3	129.5	<0.0004	0.01	0.56	12.05	0.294
S058	22	0.107	1.64	157.5	71.5	0.42	944	0.69	0.944	31	28.9	0.05	32.2	134	<0.0004	0.01	0.59	15.05	0.401
S059	13.65	0.066	1.65	60	61.3	0.26	814	1.08	1.01	22.3	24.6	0.031	37.7	134	<0.0004	0.01	0.72	10.8	0.365

Sample	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P %	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm
S060	10	0.064	1.4	65.5	48	0.33	953	1.26	0.876	16	29.6	0.071	34.3	104.5	<0.0004	0.03	0.74	10.9	0.518
S061	8.66	0.047	1.53	45.7	41.4	0.25	649	1.74	1.115	13.3	22.6	0.033	41	101	<0.0004	0.02	0.62	8.35	0.402
S062	27.9	0.095	1.61	176.5	109	0.62	1105	1.22	0.811	31.1	38.4	0.063	36.6	138.5	<0.0004	0.01	0.47	15.9	0.429
S063	27.6	0.075	1.83	127	63.1	0.4	895	0.76	1.35	24.8	24.8	0.037	35.3	135	<0.0004	0.01	0.44	10.85	0.371
S064	28.4	0.088	1.57	122	65.5	0.46	1075	0.82	1.095	30.2	26.2	0.062	29.3	116.5	<0.0004	0.01	0.57	13	0.342
S065	20.9	0.063	1.67	134	71.8	0.39	823	0.78	1.02	25	26.2	0.041	28.6	127	<0.0004	0.01	0.54	12.2	0.318
S066	13.4	0.05	1.96	49.9	41.4	0.21	433	0.84	1.585	16.45	18.4	0.02	27.2	117.5	<0.0004	0.01	0.59	7.8	0.235
S067	17.2	0.042	2.08	58.3	45.2	0.28	506	0.69	1.595	19.55	18.1	0.018	30.2	126	<0.0004	0.01	0.61	8.03	0.226
S068	9.96	0.044	1.78	32	30.3	0.22	550	1.96	1.175	14.4	24.8	0.028	38.8	104.5	<0.0004	0.02	0.6	8.32	0.343
S069	28.4	0.079	1.67	131.5	67.1	0.64	705	0.9	1.25	24.2	46.3	0.095	25.4	108	<0.0004	0.01	0.53	13.15	0.328
S070	24.7	0.063	1.82	113.5	65.6	0.29	769	0.66	1.315	20.6	23.3	0.025	31.7	122	<0.0004	0.01	0.54	10.05	0.353
S071	20.9	0.064	1.72	99.8	52.6	0.29	709	0.62	1.235	19.85	22.8	0.029	28.1	115.5	<0.0004	0.01	0.48	9.29	0.313
S072	17.85	0.057	1.71	102	36.2	0.26	675	0.65	1.365	19.95	21.8	0.028	24.3	115	<0.0004	0.01	0.5	8.96	0.251
S073	11	0.051	1.66	90.7	41.6	0.32	685	0.7	1.295	18.15	23.4	0.036	29.2	117.5	<0.0004	0.01	0.48	9.22	0.281
S074	18.75	0.065	1.77	107.5	49.6	0.45	778	0.76	1.245	20.4	30.3	0.046	27.3	111	0.0005	0.01	0.45	10.25	0.321
S075	17.65	0.064	1.82	93	42.6	0.33	685	0.63	1.4	19.1	26.1	0.033	28.4	119.5	<0.0004	0.01	0.49	9.16	0.256
S076	16.1	0.05	1.88	84	39	0.26	646	0.63	1.53	18.1	21.5	0.031	27.5	118	<0.0004	0.01	0.51	7.94	0.331
S077	20.9	0.056	1.89	111	51.7	0.32	777	0.71	1.475	22.3	21	0.033	34.2	128.5	<0.0004	0.01	0.55	9.32	0.345
S078	18.35	0.101	1.54	152.5	112	0.48	1230	1.3	0.762	23.3	32.4	0.062	34.8	147.5	0.0004	0.01	0.64	14.65	0.454
S079	16.35	0.069	1.61	121.5	74	0.41	807	0.79	0.913	25	30.5	0.066	32.5	128	0.0004	0.01	0.56	12.55	0.294
S080	14.1	0.075	1.68	67.6	48.5	0.32	538	0.98	0.966	19.6	26.3	0.035	37.9	135	<0.0004	0.02	0.61	10.3	0.477
S081	12.2	0.057	1.71	72.8	39.3	0.28	714	0.67	1.33	19.15	20.9	0.035	26.3	115	<0.0004	0.01	0.43	8.76	0.233
S082	16.05	0.068	1.82	95.8	44	0.28	782	0.69	1.395	21.7	21.7	0.038	29.4	121.5	<0.0004	0.01	0.46	9.1	0.292
S083	18.95	0.07	1.75	92.7	49.9	0.32	695	0.72	1.285	21.2	23.1	0.035	30.1	121	<0.0004	0.01	0.51	9.83	0.354
S084	22.1	0.08	1.65	119.5	85.7	0.41	779	0.75	1.055	25	26.6	0.043	32.5	134.5	0.0004	0.01	0.45	12.95	0.438
S085	30.4	0.079	1.74	104.5	70.2	0.37	981	0.71	1.41	27.9	19	0.043	31.5	120.5	0.0009	0.01	0.44	11.25	0.303
S086	22	0.077	1.78	99.3	64.3	0.28	812	0.79	1.26	26.2	22.3	0.046	33.5	139	<0.0004	0.01	0.53	9.56	0.331
S087	15.25	0.069	1.74	116.5	74.1	0.41	723	0.96	1.035	20.6	25.8	0.038	41.4	117	<0.0004	0.01	0.48	11.35	0.433
S088	17.4	0.079	1.78	101.5	54.8	0.41	631	0.68	1.35	23	22.2	0.042	26.2	124.5	0.0004	0.01	0.43	11.05	0.288
S089	18.2	0.065	1.82	89.1	46.1	0.26	605	0.54	1.43	21.9	18.75	0.031	27.8	127.5	<0.0004	0.01	0.52	8.45	0.26

Sample	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P %	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm
S090	27.1	0.075	1.77	114	70.9	0.37	692	0.64	1.285	25.7	23.5	0.033	30.4	132.5	0.0004	0.01	0.52	10.85	0.352
S091	25.3	0.087	1.91	122	73.1	0.31	725	0.84	1.265	29.4	21.6	0.035	37.9	132	0.0004	0.01	0.67	12	0.317
S092	24.2	0.086	1.69	134.5	86.5	0.42	747	0.78	1.165	25.2	25.9	0.036	34.6	136.5	0.0005	0.01	0.53	11.55	0.403
S093	26.2	0.073	1.69	125	66.1	0.33	792	0.83	1.18	24.7	23.5	0.036	30.5	139	<0.0004	0.01	0.55	9.86	0.354
S094	17	0.089	1.82	128.5	88.6	0.36	801	0.87	1.04	21.4	27.1	0.044	37.8	131	<0.0004	0.01	0.56	11.55	0.419
S095	19.15	0.076	1.75	106.5	78.8	0.42	769	0.74	1.075	25	27.1	0.037	31.9	143	<0.0004	0.01	0.54	12.05	0.327
S096	14.15	0.052	1.76	73.5	37.1	0.24	662	0.63	1.405	18.2	19.9	0.03	27.2	113.5	0.0004	0.01	0.44	8.68	0.31
S097	27	0.077	1.9	131.5	59.2	0.35	751	0.8	1.345	31.6	21.2	0.04	33.3	152	<0.0004	0.01	0.52	11.6	0.343
S098	33.6	0.095	1.72	122.5	81.5	0.35	709	0.56	1.265	33.1	22.9	0.032	38.4	145	0.0004	0.01	0.65	12.35	0.329
S099	26.4	0.075	1.67	110.5	70.1	0.34	833	0.65	1.205	29.8	24.2	0.035	31.7	130	0.0004	0.01	0.56	11.3	0.317
S100	28	0.106	1.68	133.5	83.6	0.36	932	0.71	1.135	34.9	22.8	0.04	31.5	139	0.0004	0.01	0.58	12.1	0.374
S101	16.9	0.079	1.64	115.5	80.7	0.48	941	0.96	0.921	27.6	28.1	0.057	228	132	0.0004	0.01	0.53	13.55	0.395
S102	22.2	0.072	1.87	100	67.8	0.29	975	0.83	1.295	21.9	21.6	0.035	38.3	133.5	<0.0004	0.01	0.52	9.52	0.397
S103	23.4	0.076	1.9	95.8	67.4	0.29	755	0.7	1.395	22.5	20.5	0.028	39.6	134.5	<0.0004	0.01	0.56	9.92	0.363
S104	20.7	0.071	1.88	114	53.3	0.31	791	0.86	1.27	27.1	23.5	0.034	33	129.5	0.0004	0.01	0.57	10.15	0.368
S105	18.95	0.081	2	123.5	50.1	0.32	948	0.9	1.385	28.2	25.9	0.041	37.1	153	0.0004	0.01	0.6	11.75	0.389
S106	18.35	0.055	1.74	114	55.7	0.28	860	0.7	1.105	22.6	23.1	0.035	32.7	125	0.0009	0.01	0.54	9.9	0.338
S107	17.95	0.071	1.82	120	66.6	0.36	922	0.76	1.24	24.1	23.2	0.039	34.2	131.5	<0.0004	0.01	0.54	10.95	0.333
S108	20.1	0.078	1.94	130	72.1	0.34	906	1.12	1.16	23.1	25.5	0.039	41.4	165	0.0005	0.01	0.62	11.05	0.386
S109	17.7	0.053	1.78	105.5	62.2	0.34	820	0.84	1.04	20.8	23.7	0.032	46.2	124	<0.0004	0.01	0.49	11.85	0.465
S110	20.3	0.082	1.91	100.5	57.2	0.27	763	0.74	1.27	20.4	22.2	0.029	52.4	121	0.0005	0.01	0.6	10.4	0.353
S111	18.65	0.078	1.59	118.5	97.6	0.41	778	0.72	0.808	22.1	26.5	0.036	35.7	129	0.0004	0.01	0.52	13.05	0.385
S112	21.4	0.061	1.69	113.5	61.6	0.29	778	0.71	1.125	22.5	24.1	0.034	39.1	126.5	0.0004	0.01	0.53	10.8	0.262
S113	23.1	0.061	1.71	93.2	53	0.28	705	0.55	1.225	22	20.3	0.033	31.3	119	<0.0004	0.01	0.53	9.89	0.23
S114	13.15	0.058	1.74	82.3	38.4	0.25	688	0.57	1.27	18.45	21	0.028	27.1	118.5	<0.0004	0.01	0.46	9.3	0.261
S115	39.3	0.08	1.83	147	68	0.43	876	0.77	1.17	25.3	23	0.156	31.7	114	<0.0004	0.01	0.48	11.8	0.268
S116	22.3	0.073	1.71	138.5	74.3	0.4	860	0.9	1.13	28.3	25.6	0.073	34.8	128.5	0.0005	0.01	0.57	13.2	0.307
S117	24.3	0.074	1.75	115.5	67.7	0.34	770	0.73	1.155	24.9	22.9	0.038	35.5	129	0.0004	0.01	0.51	11.25	0.312
S118	24.8	0.078	1.84	129	63	0.33	762	0.69	1.275	23	22.3	0.037	31.2	122.5	<0.0004	0.01	0.49	10.85	0.333
S119	17.05	0.111	1.55	97.1	151	0.75	636	0.56	0.815	38.5	27.5	0.035	52.4	116	<0.0004	0.03	0.47	14.1	0.226

Sample	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P %	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm
S120	15.1	0.087	1.68	76.4	56.3	0.23	1185	1.32	1.105	46.9	25.1	0.029	73	159.5	<0.0004	0.01	0.54	13.3	0.396
S121	13.25	0.085	1.61	71.6	101.5	0.28	826	2.14	0.809	39.5	30.8	0.03	54.3	171.5	<0.0004	0.01	0.56	14.65	0.451
S122	18.75	0.108	1.62	81.7	73.3	0.26	977	1.13	0.931	58	28.3	0.03	60	167	0.0004	0.01	0.63	15.45	0.409
S123	22.4	0.12	1.7	129	121.5	0.36	1100	1.5	0.943	43	28.6	0.036	58.5	202	0.0005	0.02	0.55	14.8	0.466
S124	20	0.091	1.67	84	56.8	0.25	1115	1.06	1.095	52.3	25.6	0.033	93.4	146	<0.0004	0.01	0.61	13.3	0.37
S125	13.15	0.072	1.77	98.2	50.6	0.28	985	0.95	1.175	24.6	23.5	0.033	45.2	150.5	0.0004	0.01	0.48	10.65	0.257
S126	13.15	0.072	1.75	83.9	64.5	0.29	662	0.74	1.23	27.5	23.5	0.041	44	144	0.0004	0.02	0.46	11.1	0.273
S127	17.65	0.073	1.7	93.3	55.4	0.24	912	0.8	1.18	26.7	24.3	0.035	48.4	132.5	0.0004	0.01	0.51	9.71	0.273
S128	22.7	0.081	1.9	160.5	85.8	0.37	942	0.79	1.01	26.5	24.4	0.035	48.4	137	0.0004	0.01	0.54	11.8	0.344
S129	17.05	0.103	2.01	95.5	93.2	0.27	1035	0.78	1.245	54.2	23.2	0.028	45.8	202	<0.0004	0.01	0.51	12.55	0.33
S130	19.6	0.075	1.68	100.5	140	0.36	1015	0.9	0.831	36.3	27.6	0.033	59	185.5	0.0004	0.01	0.55	13.05	0.321
S131	17.35	0.103	1.65	75.5	108.5	0.25	1005	0.84	0.955	40.7	29.3	0.028	59.8	176	0.0004	0.01	0.61	13.35	0.478
S132	17.85	0.101	1.68	86.9	97.5	0.25	1135	0.95	0.918	41	28.6	0.029	70.9	169.5	<0.0004	0.01	0.66	14.55	0.374
S133	20.9	0.118	1.84	107.5	118.5	0.31	1200	0.96	0.985	57.1	30.1	0.032	69	218	0.0004	0.01	0.61	15.1	0.366
S134	22.9	0.135	1.67	102.5	107	0.39	1260	1.29	0.877	71.1	29.3	0.057	83.3	178.5	0.0005	0.02	0.69	17.3	0.414
S135	13.7	0.068	1.92	82.4	48.1	0.25	826	0.65	1.33	29.7	22	0.033	49.7	154.5	<0.0004	0.01	0.53	11	0.249
S136	18.7	0.083	1.64	118.5	80	0.29	1110	0.88	1.02	41.8	25.6	0.031	72.7	152	<0.0004	0.01	0.59	13.8	0.434
S137	21.9	0.079	1.68	87	85.6	0.26	719	0.87	1.185	38.8	24.7	0.037	64	152	0.0004	0.02	0.56	12.15	0.431
S138	20.3	0.079	1.64	122.5	98.4	0.31	1255	1	1.085	36.6	26.8	0.045	70.3	159.5	0.0004	0.02	0.57	12.95	0.458
S139	17.85	0.086	1.67	97.8	86	0.26	1120	1.21	0.969	37.7	29.1	0.031	62.3	152	<0.0004	0.01	0.58	13.1	0.416
S140	17	0.068	1.88	79.9	69.2	0.27	792	0.63	1.325	24.7	22.4	0.029	42.2	150	0.0004	0.01	0.45	10.45	0.251
S141	15.15	0.095	1.69	126	134	0.38	916	0.8	0.795	29.7	29.9	0.037	44.5	166	<0.0004	0.01	0.59	13.85	0.384
S142	10.15	0.072	1.42	73.8	95.1	0.33	628	1.07	0.604	26.5	31.2	0.045	41.8	144	<0.0004	0.01	0.53	14.5	0.492
S143	17.95	0.085	1.66	75.7	77.6	0.25	988	0.72	0.994	34.2	25.5	0.028	51.6	151.5	<0.0004	0.01	0.56	12.4	0.321
S144	20.3	0.139	1.68	151	154	0.37	930	0.73	0.726	38.1	29.5	0.04	62.9	187	0.0004	0.01	0.59	17.4	0.495
S145	15.8	0.088	1.83	89.6	53.9	0.24	1015	0.85	1.23	29.3	23.7	0.037	37.1	159	0.0006	0.01	0.5	10.35	0.304
S146	21.2	0.114	1.71	151.5	98	0.38	1110	1.02	0.819	43.1	28.2	0.041	62.1	185.5	0.0011	0.01	0.54	13.45	0.437
S147	25.6	0.096	1.84	125	65.2	0.3	957	0.76	1.1	51.8	25.3	0.041	69	181.5	0.0006	0.02	0.6	11.5	0.372
S148	23.5	0.104	1.8	157.5	112.5	0.33	797	1.02	0.803	47.6	28	0.031	90.4	187.5	0.0006	0.01	0.65	13.75	0.547
S149	16.6	0.111	1.6	118	101	0.32	883	0.92	0.834	47	33.4	0.037	54	162	0.0007	0.01	0.65	15.05	0.515

Sample	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P %	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm
S150	15.5	0.068	1.68	71.2	47.6	0.22	1020	1.32	1.035	37.4	30.7	0.027	51	144	<0.0004	0.01	0.63	11.5	0.409
S151	15.25	0.09	1.53	87.2	69.3	0.24	1115	1.22	0.887	43.4	34.2	0.041	77.4	153	0.0004	0.02	0.73	13.25	0.46
S152	12.1	0.058	1.75	88.7	44.6	0.25	876	0.92	1.335	22.9	21.2	0.034	34.5	132	<0.0004	0.01	0.42	8.63	0.279
S153	14.55	0.088	1.66	101	114.5	0.52	588	0.5	0.756	31.3	29.3	0.032	55.8	130	<0.0004	0.02	0.5	11.1	0.277
S154	17.1	0.079	1.72	87.9	73.4	0.26	843	0.77	1.165	33.2	23.9	0.033	41.7	146	0.0004	0.01	0.51	10.1	0.354
S155	14.05	0.1	1.63	88.9	103.5	0.26	1070	1.08	0.894	38.8	28.7	0.037	44.5	165	<0.0004	0.01	0.58	11.6	0.383
S156	21.6	0.079	1.88	110.5	88.1	0.3	814	0.64	1.115	29.5	24.7	0.044	36.4	150.5	<0.0004	0.01	0.52	11.65	0.354
S157	17.8	0.063	1.89	102.5	49.2	0.26	808	0.68	1.24	29.7	22.5	0.036	35.4	156.5	<0.0004	0.01	0.51	10.9	0.285
S158	17.4	0.095	1.66	79.7	74.9	0.26	1120	1.16	0.937	44.7	30.6	0.036	65.5	160	<0.0004	0.02	0.65	12.9	0.486
S159	19.65	0.096	1.72	112.5	118	0.38	917	0.8	0.804	35.1	29.2	0.037	40.2	179	<0.0004	0.01	0.54	12.25	0.407
S160	22.5	0.119	1.96	134	94.5	0.32	929	0.67	1.03	34.7	26	0.039	43.5	171.5	0.0005	0.01	0.54	12.9	0.368
S161	10.5	0.074	1.39	77.2	61.6	0.29	703	0.9	0.84	25.3	29.1	0.036	49.8	122	<0.0004	0.02	0.57	11.5	0.387
S162	17.25	0.093	1.63	109.5	80.2	0.33	809	0.92	0.875	35.5	32	0.038	45.6	153.5	0.0004	0.02	0.65	12.3	0.414
S163	12.25	0.098	1.47	88.9	84.4	0.43	778	0.84	0.683	33.3	53.5	0.035	40.3	133.5	<0.0004	0.02	0.74	13.15	0.408
S164	18.15	0.069	1.74	101.5	54.4	0.28	731	0.89	1.315	27	22.3	0.033	47.3	143	<0.0004	0.01	0.52	9.93	0.265
S165	26.2	0.099	1.79	117	87.4	0.29	999	0.76	1.13	36.6	25.5	0.041	47.1	152	0.0004	0.01	0.57	12.55	0.38
S166	18.25	0.078	1.72	126	99.4	0.35	737	0.77	0.855	31.3	27.3	0.03	43.5	150	<0.0004	0.02	0.58	11.7	0.453
S167	17.95	0.098	1.66	125.5	140	0.35	836	0.77	0.847	36.1	29.4	0.026	46.5	176	<0.0004	0.01	0.59	13.8	0.456
S168	14.85	0.095	1.76	87.2	124.5	0.38	766	0.6	0.941	36.8	25.5	0.029	35.7	189	<0.0004	0.01	0.6	13.15	0.351
S169	20	0.102	1.72	133.5	93	0.36	940	0.75	0.856	37.9	27.6	0.033	43.3	148	<0.0004	0.01	0.57	12.25	0.45
S170	16.05	0.075	1.61	106.5	62.7	0.28	764	0.73	1.08	28.1	23	0.039	36.6	130	<0.0004	0.01	0.54	9.94	0.303
S171	14.15	0.057	1.67	92.5	46.5	0.24	799	0.68	1.145	22.1	22.8	0.033	33.2	123	<0.0004	0.01	0.52	8.88	0.286
S172	19.95	0.078	1.67	127.5	92.1	0.32	879	0.67	0.947	29.9	28.4	0.033	46.2	134.5	<0.0004	0.01	0.58	10.6	0.341
S173	14.7	0.076	1.5	76	84.4	0.29	852	0.71	0.689	27.3	30.8	0.031	38.2	132.5	<0.0004	0.01	0.55	10.8	0.377
S174	14.45	0.073	1.7	98.3	49.6	0.23	623	0.79	1.055	25	25.3	0.035	38.9	135.5	<0.0004	0.01	0.55	10.1	0.371
S175	6.37	0.054	1.02	35.8	102.5	1.82	585	0.46	0.421	14.15	88.8	0.036	18.95	74.5	<0.0004	0.03	0.47	17.75	0.298
S176	16.55	0.082	1.36	92.2	159.5	0.4	496	1.04	0.518	27.3	31.3	0.03	51.9	132	<0.0004	0.02	0.62	13.25	0.41
S177	26.4	0.079	1.65	95.6	75.7	0.28	928	0.74	1.255	33.3	21.7	0.05	53.2	123.5	<0.0004	0.01	0.53	9.94	0.283
S178	18.3	0.075	1.67	96.7	73.8	0.31	778	0.7	1.165	31.5	24	0.031	62	138.5	<0.0004	0.01	0.58	9.98	0.312
S179	22.9	0.084	1.83	123	84.7	0.28	762	0.62	1.265	34	22.9	0.028	40.6	160.5	<0.0004	0.01	0.52	10.05	0.372

Sample	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P %	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm
S180	22.2	0.095	1.71	141	101.5	0.33	945	0.65	0.903	41.3	25.8	0.038	44.4	172.5	<0.0004	0.01	0.58	12.85	0.377
S181	18.6	0.065	1.78	88	46.6	0.22	660	0.48	1.375	27.9	18.55	0.031	34.4	129	0.0029	0.01	0.43	8.94	0.242
S182	19.75	0.082	1.5	122	92.3	0.38	458	0.68	0.773	30.9	24.3	0.043	42.4	146.5	0.0027	0.03	0.54	12.1	0.33
S183	20.9	0.092	1.54	123.5	90.8	0.32	973	0.68	0.813	31.8	25	0.033	41.2	136.5	0.0019	0.02	0.52	11.6	0.386
S184	14.7	0.069	1.6	112.5	74.4	0.27	735	0.64	0.858	25.4	25	0.027	38.5	123.5	0.0013	0.01	0.48	11.3	0.36
S185	12	0.075	1.47	121.5	73.7	0.29	666	0.71	0.681	21	26.9	0.034	33.1	118.5	0.0014	0.01	0.45	11.6	0.422
S186	11.55	0.069	1.69	108.5	49.8	0.21	893	0.75	0.78	21.6	27.7	0.031	36.1	134	<0.0004	0.01	0.5	11.5	0.426
S187	15.05	0.072	1.32	104.5	80.2	0.71	467	0.47	0.738	24.8	28.8	0.033	35.8	96.8	0.0006	0.02	0.52	10.65	0.252
S188	31.8	0.107	1.88	147.5	100.5	0.39	880	0.82	1.19	42.3	21.2	0.039	49	153	0.0005	0.01	0.52	12.65	0.329
S189	9.81	0.052	1.62	82.4	39	0.23	646	0.74	1.205	19.55	18.8	0.038	32.1	112	0.0005	0.01	0.44	8.45	0.264
S190	21.7	0.101	1.75	152.5	88.1	0.44	681	0.68	1.1	40.2	22	0.041	45.4	148.5	<0.0004	0.02	0.58	12.45	0.348
S191	24.4	0.096	1.87	138	112.5	0.33	861	0.71	1.135	30.2	22.9	0.037	45.1	145	0.0005	0.01	0.52	11.7	0.408
S192	14.65	0.087	1.73	112	55.8	0.27	993	0.8	1	28.1	24.4	0.033	45.4	143.5	<0.0004	0.01	0.5	12.1	0.342
S193	17.9	0.074	1.62	80.4	41.4	0.21	859	0.64	1.175	36.6	19.45	0.027	53	131	<0.0004	0.01	0.45	10.15	0.365
S194	19.25	0.087	1.68	78.2	95.9	0.3	616	0.65	1.1	26.8	21.4	0.067	36.9	126.5	<0.0004	0.02	0.48	10.75	0.312
S195	15.4	0.064	1.56	64.7	54.6	0.21	465	0.83	0.981	25.7	23.1	0.042	27	124	<0.0004	0.02	0.51	9.59	0.409
S196	13.05	0.072	1.48	108.5	79.3	0.27	499	0.83	0.594	25.2	30.5	0.031	40.8	137.5	<0.0004	0.01	0.49	12.7	0.443
S197	11.35	0.067	1.56	114.5	55.6	0.25	682	0.86	0.761	21.1	26.8	0.04	37.9	130.5	<0.0004	0.02	0.52	11.65	0.347
S198	10.85	0.079	1.44	115	88.9	0.48	633	0.9	0.475	22.6	48.1	0.033	36.1	151	<0.0004	0.02	0.65	14.95	0.364
S199	16.05	0.077	1.29	120	71.9	0.83	555	0.7	0.602	33	31.1	0.045	33.8	119.5	<0.0004	0.02	0.48	11.45	0.306
S200	14.3	0.06	1.82	79.8	48.7	0.21	595	0.58	1.385	21	19.65	0.027	31	129	<0.0004	0.02	0.46	9.01	0.404
S201	11.15	0.057	1.6	70.7	38.7	0.2	707	0.88	1.26	17.5	20.9	0.03	31.1	111	<0.0004	0.01	0.56	8.33	0.257
S202	23.2	0.115	1.64	135.5	103	0.35	897	0.82	0.974	40.5	21.7	0.03	52	143	<0.0004	0.02	0.55	12.1	0.415
S203	14.75	0.113	1.58	141.5	148.5	0.46	632	0.83	0.65	31.6	26.1	0.046	43.4	151	<0.0004	0.01	0.47	15	0.399
S204	14	0.071	1.94	111.5	55.5	0.26	776	0.93	0.95	27.8	23.6	0.031	54.2	176.5	<0.0004	0.02	0.51	11.1	0.525
S205	28.2	0.098	1.69	133	94.5	0.31	967	0.7	1.12	36.5	25.1	0.033	48.4	152.5	<0.0004	0.01	0.58	11.75	0.373
S206	25.4	0.103	1.6	151	128.5	0.37	899	0.73	0.935	33.1	25.6	0.041	42	162.5	<0.0004	0.01	0.51	13.15	0.396
S207	16.45	0.094	1.6	117	96.3	0.31	873	0.77	0.757	26.8	29.2	0.03	36.6	156	<0.0004	0.01	0.48	13.3	0.399
S208	13.9	0.08	1.41	107.5	80.3	0.31	1015	0.85	0.684	24.3	31.8	0.035	37.3	140.5	<0.0004	0.02	0.5	13.3	0.383
S209	13.6	0.061	1.57	101.5	52.7	0.24	1020	0.89	0.86	26.4	28.8	0.033	40.9	126	<0.0004	0.01	0.49	12.4	0.422

Sample	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P %	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm
S210	5.3	0.063	0.74	43.8	98.9	1.86	416	0.4	0.275	12.1	124	0.029	15.55	71.2	<0.0004	0.02	0.37	19.9	0.329
S211	14.9	0.069	1.7	105	47.9	0.27	927	0.92	1.11	25.2	26	0.036	38.5	137.5	<0.0004	0.01	0.48	10.95	0.324
S212	19.1	0.069	1.67	102.5	60.1	0.25	701	0.55	1.26	24.2	19.65	0.03	35.3	127	<0.0004	0.01	0.46	9.39	0.346
S213	20.8	0.094	1.65	129.5	87.6	0.37	770	0.73	0.98	34.1	23.5	0.036	69.2	142.5	<0.0004	0.01	0.55	12.75	0.403
S214	14.6	0.074	1.7	86.5	45.1	0.24	795	0.82	1.24	28.7	19.15	0.032	41.7	131	<0.0004	0.01	0.43	10.2	0.267
S215	13.65	0.067	1.88	89.1	52	0.22	551	0.6	1.345	22.5	19.2	0.029	32.8	141.5	<0.0004	0.01	0.47	9.81	0.27
S216	25.5	0.143	1.61	108	75.1	0.26	1075	1.05	1.075	61.6	26.2	0.041	61	148	<0.0004	0.01	0.66	14.75	0.399
S217	18.2	0.079	1.65	97.1	63.8	0.27	885	0.8	1.125	25.9	23.6	0.031	41.8	123	0.0023	0.01	0.64	10.4	0.411
S218	19.5	0.076	1.64	106	74.5	0.27	799	0.69	1.105	25.9	23.3	0.029	42.9	128.5	0.002	0.01	0.56	10.9	0.435
S219	15.45	0.087	1.66	106.5	75	0.3	893	0.78	0.948	28	28.5	0.029	40.4	126.5	0.0016	0.01	0.67	11.4	0.4
S220	13.7	0.066	1.64	96.6	66.6	0.24	858	0.93	0.847	23.2	28.6	0.028	36	133	0.0016	0.01	0.6	11.8	0.465
S221	15.7	0.073	1.68	111.5	51.1	0.26	816	0.87	0.944	24	27.2	0.035	34.4	133	0.0014	0.01	0.61	11.5	0.449
S222	15.3	0.05	1.74	70.9	32.6	0.25	654	0.63	1.235	20.7	31.8	0.02	24.5	116.5	0.0009	0.01	0.54	8.89	0.287
S223	7.49	0.065	1.45	119	52.1	0.36	1130	0.95	0.843	19.45	32.8	0.051	37.6	115	0.0154	0.02	0.48	11.65	0.303
S224	22.6	0.074	1.74	121.5	62.3	0.31	770	0.68	1.285	23.7	22.4	0.032	46.8	132.5	0.0011	0.01	0.59	9.99	0.437
S225	20.9	0.08	1.75	104	53.3	0.28	613	0.81	1.35	29.8	20.9	0.034	36.3	142	0.0011	0.01	0.55	10.3	0.464
S226	10.3	0.065	1.65	94.6	40.5	0.26	852	1.1	1.18	23.6	21.4	0.04	37	128	0.0009	0.01	0.47	10.05	0.36
S227	11.5	0.075	1.58	110	61.3	0.43	617	0.7	0.887	26.4	24.5	0.068	33.9	127.5	0.0007	0.03	0.49	10.55	0.408
S228	16.6	0.065	1.77	84.9	50.7	0.23	619	0.69	1.31	25	19.95	0.034	29.4	128.5	0.0006	0.01	0.56	8.91	0.286
S229	15.6	0.079	1.72	114	77.2	0.32	938	0.82	1.085	27.9	22.6	0.043	42.4	129	0.0051	0.02	0.63	9.93	0.285
S230	13.55	0.065	1.79	74.4	38.6	0.2	530	0.8	1.28	25.1	20.4	0.029	28.2	126	0.0007	0.01	0.5	9.51	0.312
S231	16.2	0.07	1.64	101	73	0.3	839	0.81	1.015	29.5	27.5	0.028	40.9	127	0.0007	0.01	0.63	11.65	0.505
S232	12.05	0.076	1.57	94.1	64.9	0.28	843	1.01	0.813	27	32.6	0.032	39.1	143	0.0005	0.01	0.59	12.2	0.554
S233	7.14	0.065	0.98	32.9	100.5	1.93	574	0.42	0.597	10.9	128.5	0.02	15.25	69.3	0.0007	0.01	0.48	27.4	0.23
S234	20.2	0.078	1.68	119	55.4	0.27	1050	0.72	1.065	22.5	25.8	0.032	39.4	127.5	0.0005	0.01	0.54	10.75	0.42
S235	8.15	0.057	1.52	98.1	48.9	0.33	728	0.78	0.965	19.6	31.9	0.04	30.3	120	0.0006	0.02	0.51	10.05	0.33
S236	19.95	0.067	1.8	114.5	54	0.29	779	0.61	1.35	24.4	20.7	0.034	36.1	129	0.0006	0.01	0.52	9.89	0.342
S237	12.65	0.049	1.7	83.1	38.3	0.23	842	0.76	1.33	20.3	19.95	0.033	32	117	0.0005	0.01	0.51	8.65	0.277
S238	7.66	0.07	1.75	134.5	54.3	0.32	1075	1.46	0.947	25.4	28	0.06	38.3	147	0.0004	0.02	0.58	12.45	0.538
S239	17.05	0.1	1.74	146.5	84.9	0.4	705	0.87	1.015	33.2	21.8	0.04	41.5	144.5	0.0006	0.01	0.55	12.05	0.444

Sample	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P %	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm
S240	15.6	0.082	1.62	98.9	45.6	0.24	742	0.96	1.17	30.4	21.4	0.033	50.6	130	0.0005	0.01	0.59	10.3	0.36
S241	15.45	0.066	1.71	102	55.3	0.25	637	0.76	1.19	25.6	20.3	0.031	34.4	126	0.0004	0.01	0.58	9.79	0.339
S242	18.25	0.069	1.6	69.4	45.8	0.22	1125	1.06	1.135	40.3	23.5	0.032	51.7	122	0.0008	0.01	0.62	10.6	0.414
S243	18.6	0.076	1.55	109	72.8	0.33	778	0.99	0.894	28.9	30	0.031	49	124.5	0.0005	0.01	0.66	11.75	0.532
S244	17.7	0.093	1.68	116	84.9	0.34	1115	0.87	0.85	35.6	33.3	0.035	42	154.5	0.0007	0.01	0.65	12.7	0.396
S245	17.45	0.091	1.58	106.5	56.7	0.38	1050	0.76	0.954	23.2	47.5	0.036	32.6	120.5	0.0006	0.01	0.51	13.45	0.421
S246	14.9	0.06	1.7	93	38.6	0.24	729	0.6	1.145	20.1	22.1	0.033	32.1	113.5	0.0005	0.01	0.5	9.72	0.332
S247	7.29	0.058	1.41	108	48.5	0.32	770	0.95	0.83	18.95	30.9	0.044	34.9	115	0.0005	0.01	0.51	11.2	0.402
S248	11.85	0.058	1.66	95.9	39.9	0.25	859	0.77	1.225	19.25	20.5	0.036	31.2	112	0.0005	0.01	0.53	8.67	0.319
S249	16.7	0.069	1.76	102.5	50	0.24	710	0.64	1.425	22.6	18.4	0.029	32.3	126	0.0004	0.01	0.51	8.65	0.308
S250	11.8	0.062	1.65	76.5	35.8	0.21	997	0.94	1.275	20.1	20	0.034	31.4	113.5	0.0005	0.01	0.51	8.28	0.285
S251	17.75	0.059	1.81	90.5	37.6	0.25	683	0.88	1.365	26.1	18.1	0.031	36.1	128.5	0.0007	0.01	0.52	9.05	0.301
S252	21	0.078	1.84	128.5	70.4	0.33	739	0.59	1.11	28.8	22.5	0.031	35.7	140	0.0006	0.01	0.54	10.65	0.371
S253	9.55	0.064	1.66	94.7	45.1	0.28	1010	0.84	1.01	19.1	29.8	0.04	30.4	126.5	<0.0004	0.01	0.54	10	0.373
S254	14.15	0.079	1.71	102	54.4	0.26	656	0.84	1.105	24.1	26.5	0.034	31.9	130.5	<0.0004	0.01	0.55	10.15	0.371
S255	11.4	0.078	1.35	82	50.3	0.27	731	0.99	0.752	42.7	37.2	0.042	32.7	123	<0.0004	0.02	0.48	13.25	0.644
S256	5.62	0.06	1.04	29.1	104.5	1.8	719	0.4	0.581	10.05	121.5	0.026	14.35	77.3	<0.0004	0.02	0.46	25	0.205
S257	15	0.078	1.76	94.1	50.9	0.25	791	0.7	1.09	23.8	24.4	0.03	30.3	138	<0.0004	0.01	0.5	10.5	0.33
S258	14.15	0.072	1.72	91	54.1	0.25	871	0.62	1.11	20.6	24	0.032	30.1	119	<0.0004	0.01	0.51	9.54	0.349
S259	8.72	0.058	1.58	100	56	0.36	1050	0.9	0.984	20.1	35.3	0.042	34.2	127	<0.0004	0.01	0.48	12.15	0.342
S260	12.15	0.061	1.69	91.4	48.6	0.3	980	1	1.2	20.9	20.9	0.053	28.1	123	<0.0004	0.01	0.5	8.9	0.27
S261	22.3	0.086	1.83	140.5	65.3	0.36	967	0.7	1.36	24.7	22.9	0.04	39.4	145	<0.0004	0.01	0.6	10.05	0.356
S262	15.1	0.071	1.78	88.6	44.8	0.24	788	0.8	1.36	22.9	19.7	0.031	32.9	130	<0.0004	0.01	0.52	9.23	0.267
S263	13.85	0.065	1.93	91	45.9	0.27	657	0.91	1.36	24	19.7	0.034	28.2	135.5	<0.0004	0.01	0.46	9.4	0.278
S264	19.35	0.07	1.91	110.5	70.4	0.31	726	0.73	1.19	26.1	22.5	0.031	36.3	148	<0.0004	0.01	0.54	10.45	0.375
S265	15.25	0.068	1.7	110.5	69.5	0.29	869	0.91	1.1	24.2	25.7	0.033	44.4	137.5	0.0004	0.02	0.52	10.75	0.437
S266	11.45	0.055	1.66	75.4	34.2	0.26	737	0.8	1.135	18.45	35.1	0.033	25.6	122	<0.0004	0.01	0.47	10.25	0.322
S267	10.15	0.066	1.35	69.4	90.1	0.62	860	0.78	0.789	28	86.5	0.032	30.2	114	<0.0004	0.01	0.5	18.1	0.411
S268	12.45	0.054	1.73	90.8	40.9	0.32	756	0.68	1.14	22.6	42.8	0.031	29.4	140	0.0004	0.01	0.54	11.75	0.341
S269	11.3	0.06	1.71	79.5	40	0.25	786	0.73	1.15	19.95	31.1	0.031	27.4	124.5	<0.0004	0.01	0.48	10.7	0.334

Sample	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P %	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm
S270	12.05	0.067	1.68	98.4	50.9	0.26	643	0.6	1.12	21.9	24.1	0.039	30.9	135.5	0.0004	0.01	0.5	9.48	0.27
S271	9.11	0.065	1.68	105.5	42.5	0.34	944	0.76	1.015	20.9	32.6	0.051	33.5	132.5	<0.0004	0.02	0.45	10.4	0.356
S272	15.85	0.073	1.8	98.8	60.2	0.34	701	0.63	1.355	23.5	21	0.053	27.8	136	<0.0004	0.01	0.51	10.1	0.265
S273	24.9	0.105	1.98	131	65.4	0.32	925	0.68	1.345	24.9	21.6	0.033	43.5	144	0.0004	0.01	0.47	11.25	0.364
S274	12.05	0.057	1.83	82.5	33	0.22	645	0.74	1.39	18.1	20.4	0.029	25.2	127.5	<0.0004	0.01	0.46	8.81	0.353
S275	11.2	0.059	1.74	84.5	34.5	0.24	908	0.86	1.29	20.6	22.2	0.035	29.4	125	<0.0004	0.01	0.49	9.12	0.251
S276	18.35	0.065	1.88	112.5	56.3	0.27	637	0.69	1.4	28.2	21.5	0.029	34	144.5	<0.0004	0.01	0.5	10.1	0.471
S277	23.2	0.067	1.63	134	51.1	0.32	693	0.89	1.185	29.7	27	0.037	38.5	125	0.0004	0.01	0.7	11.65	0.403
S278	14.45	0.062	1.64	99.1	45.4	0.28	707	0.78	1.16	20.3	29.1	0.033	31.7	124	0.0004	0.01	0.46	11.1	0.425
S279	12.05	0.066	1.42	83.5	76.6	0.55	612	0.54	0.853	18.05	86.5	0.029	26.6	104	<0.0004	0.01	0.45	17.3	0.414
S280	15.95	0.076	1.61	107.5	67.4	0.27	844	0.68	1.065	22.3	25.8	0.031	34.7	127.5	<0.0004	0.01	0.53	10.15	0.365
S281	16.3	0.076	1.87	112	55	0.31	747	0.77	1.255	24.8	24.6	0.041	31.2	148.5	<0.0004	0.01	0.49	11.6	0.354
S282	17.7	0.05	1.87	77.5	51.9	0.23	576	0.58	1.46	20.6	18.3	0.033	26.8	126	<0.0004	0.01	0.44	8.37	0.22
S283	12.75	0.053	1.77	108.5	53	0.32	852	0.71	0.95	19.5	25.2	0.038	32.2	135.5	<0.0004	0.01	0.5	9.37	0.273
S284	22.9	0.065	2.02	120	59.3	0.27	667	0.66	1.5	22.7	19.1	0.028	30.5	136	<0.0004	0.01	0.54	8.97	0.347
S285	14.05	0.064	1.93	97.5	36.9	0.25	720	0.64	1.455	19.55	19.45	0.034	28	134	<0.0004	0.01	0.52	8.72	0.266
S286	10.85	0.055	1.78	89.5	37.2	0.28	984	0.78	1.24	20.3	24.3	0.04	28.2	120	0.0004	0.01	0.53	9.38	0.301
S287	11	0.063	1.72	82.7	34.4	0.24	787	0.79	1.265	19.95	24.6	0.03	25.9	126.5	<0.0004	0.01	0.46	9.14	0.33
S288	16.85	0.06	1.73	95.9	34.7	0.25	607	0.65	1.35	25.2	21.4	0.03	28.3	126	<0.0004	0.01	0.48	9.41	0.361
S289	18	0.087	1.43	118.5	91.9	0.42	686	0.6	0.871	28.1	34.2	0.033	31.8	142.5	<0.0004	0.01	0.53	12.9	0.382
S290	8.68	0.045	1.03	36.8	61.8	0.69	1050	0.65	0.636	11.75	148	0.037	15.4	83.7	0.0004	0.01	0.48	22	0.419
S291	17.6	0.062	1.55	107.5	65.9	0.26	707	0.61	1.11	22.6	24.1	0.033	34.9	137.5	<0.0004	0.01	0.6	10.6	0.364
S292	17.4	0.069	1.67	87.5	64.1	0.22	631	0.61	1.325	23.4	20.4	0.025	31.4	143	<0.0004	0.01	0.5	9.59	0.389
S293	13.1	0.055	1.62	76.4	48.8	0.24	807	0.62	1.175	19.85	24.4	0.036	28	131.5	<0.0004	0.01	0.52	9.58	0.26
S294	13.2	0.047	1.98	61.5	36.7	0.26	399	0.7	1.18	19.5	22.6	0.026	23	137.5	<0.0004	0.01	0.49	7.9	0.287
S295	14.2	0.047	1.83	110.5	43.1	0.28	576	0.62	1.28	23.3	21.5	0.034	28.8	143.5	<0.0004	0.01	0.54	9.47	0.219
S296	17.05	0.053	1.72	99.1	46.7	0.27	725	0.58	1.42	23.7	21.3	0.029	30.9	134.5	<0.0004	0.01	0.49	9.57	0.281
S297	16.55	0.061	1.83	106.5	49.4	0.27	682	0.66	1.305	21.5	27.6	0.032	26.9	138.5	<0.0004	0.01	0.49	10.8	0.335
S298	13.25	0.047	1.66	92.9	40.5	0.22	737	0.6	1.2	17.95	26.3	0.027	27.3	122.5	<0.0004	0.01	0.5	9.58	0.293
S299	15.2	0.08	1.45	112.5	93.3	0.64	757	0.61	0.818	23.2	72.3	0.036	28.3	127.5	<0.0004	0.01	0.54	15.3	0.355

Sample	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P %	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm
S300	18.15	0.082	1.61	128.5	60.6	0.34	988	0.64	0.999	25.7	30.7	0.034	36.9	139	<0.0004	0.01	0.56	11.8	0.415
S301	24	0.062	1.59	92.6	61.2	0.26	815	0.71	1.29	23.5	19.75	0.04	31.3	120	<0.0004	0.01	0.51	9.66	0.302
S302	28.8	0.083	1.61	115.5	108.5	0.29	745	0.74	1.12	27.7	22.7	0.047	35.5	143	0.0004	0.01	0.51	11.15	0.35
S303	9.72	0.062	1.67	119	56.7	0.34	1150	0.79	1.065	21.6	35.8	0.058	37.3	143	<0.0004	0.01	0.48	10.75	0.33
S304	21.7	0.08	1.6	105.5	68	0.31	914	0.77	1.01	27.8	29.8	0.034	38.5	146	<0.0004	0.01	0.59	11.75	0.27
S305	15.65	0.055	1.68	108	41.7	0.24	748	0.6	1.265	21.3	23	0.031	28.8	123	<0.0004	0.01	0.45	9.64	0.348
S306	17.75	0.057	1.58	108.5	56.1	0.31	620	0.52	1.26	19.5	34.4	0.028	31	118	<0.0004	0.01	0.53	11.05	0.315
S307	18.6	0.051	1.69	107.5	48.7	0.25	580	0.6	1.4	20.2	20.6	0.026	31.1	121.5	<0.0004	0.01	0.55	8.45	0.346
S308	18.2	0.064	1.53	93	69.8	0.3	861	0.93	1.05	20.5	43.4	0.041	44.5	125	<0.0004	0.01	0.66	12.65	0.419
S309	17.55	0.065	1.43	88.1	69.2	0.27	864	0.86	0.778	18.85	33	0.041	30.8	119	<0.0004	0.01	0.61	11.35	0.289
S310	12.7	0.068	1.6	95.4	71.6	0.41	554	0.47	1.04	20.7	26.4	0.029	26.7	124	<0.0004	0.01	0.49	10.35	0.282
S311	17.15	0.061	1.43	85.5	64.6	0.29	910	0.91	0.852	17.6	27.4	0.04	29.5	119.5	<0.0004	0.01	0.54	10.9	0.488
S312	15.9	0.065	1.68	95	46.8	0.3	815	0.58	1.265	21.3	28.7	0.044	34.2	128	<0.0004	0.01	0.5	9.17	0.253
S313	19.1	0.053	1.69	82.1	50.3	0.28	654	0.55	1.26	22	27	0.035	28.9	122	<0.0004	0.01	0.53	9.4	0.27
S314	23.3	0.104	1.6	185	82.9	0.6	873	0.7	0.926	27	53.7	0.054	47.8	122.5	<0.0004	0.01	0.58	16.85	0.569
S315	27.9	0.093	1.82	165	89.4	0.34	792	0.7	1.255	26.9	23.4	0.037	36.4	156	<0.0004	0.01	0.54	11.4	0.382
S316	20.8	0.045	1.31	82.1	52.9	0.56	917	0.75	0.829	20.5	77.4	0.047	28.9	88.5	<0.0004	0.01	0.6	16.05	0.294
S317	16.95	0.061	1.61	116	57.2	0.27	793	0.58	1.115	18.7	26.9	0.03	34.1	120	<0.0004	0.01	0.51	9.82	0.318
S318	14.95	0.059	1.67	95.3	49.3	0.27	875	0.57	1.185	19.4	23.7	0.032	30.8	126	<0.0004	0.01	0.52	9.67	0.238
S319	14.05	0.055	1.73	86.6	39.4	0.26	559	0.62	1.295	18.45	23.2	0.034	28.4	119.5	<0.0004	0.01	0.56	8.79	0.292
S320	15.5	0.073	1.59	121.5	66.8	0.55	621	0.54	0.969	25.3	51.6	0.056	31.8	123.5	<0.0004	0.01	0.53	11.6	0.207
S321	20.1	0.072	1.65	117	71.1	0.36	994	0.65	1.05	23.3	37.8	0.038	35.6	131.5	<0.0004	0.01	0.57	11.3	0.312
S322	9.8	0.056	1.57	100.5	42	0.31	1045	0.83	1.02	18.9	34.2	0.052	34.6	118.5	<0.0004	0.01	0.5	9.97	0.322
S323	16.85	0.063	1.58	102.5	57.9	0.51	852	0.6	1.065	16.6	61.3	0.035	30.4	106	<0.0004	0.01	0.49	13.45	0.297
S324	13.35	0.054	1.63	95.4	50.1	0.27	774	0.8	1.115	18.55	21.9	0.039	28.6	112.5	<0.0004	0.02	0.49	8.72	0.344
S325	13.9	0.054	1.86	77.3	40.3	0.25	610	0.77	1.36	17.9	21.3	0.032	27.5	117	<0.0004	0.01	0.54	8.03	0.232
S326	16.65	0.066	1.85	98.1	42.8	0.25	743	0.7	1.36	22	25.6	0.042	33.7	125	<0.0004	0.01	0.55	8.99	0.253
S327	11.2	0.055	1.71	108	39	0.33	943	0.88	1.155	21.6	41	0.042	35.4	130	<0.0004	0.01	0.51	10.2	0.363
S328	12.15	0.068	1.43	81.7	48.4	0.96	692	0.62	1.005	19.3	96.9	0.038	26.8	105	<0.0004	0.01	0.54	14.7	0.181
S329	11.25	0.055	1.74	103.5	52.9	0.37	647	0.77	1.145	21.3	35.6	0.046	27	123.5	0.0004	0.01	0.46	10.7	0.281

Sample	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P %	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm
S330	18.85	0.057	1.83	101	42.9	0.26	781	0.75	1.33	19.95	21.2	0.035	29.3	119	<0.0004	0.01	0.53	8.42	0.291
S331	19.45	0.054	1.84	99.4	46.5	0.27	636	0.64	1.335	20.8	24.9	0.028	30.4	117.5	<0.0004	0.01	0.54	8.62	0.38
S332	20.3	0.078	1.88	101	48.9	0.28	707	0.85	1.31	24.2	26.6	0.035	36.2	129	0.0004	0.01	0.63	9.58	0.358
S333	28.7	0.078	1.78	136.5	70.8	0.3	787	0.83	1.655	23.9	21	0.038	39.2	128.5	<0.0004	0.01	0.57	8.95	0.364
S334	19.15	0.081	1.84	127	42.4	0.31	849	1.06	1.11	24.7	26.4	0.035	43	150.5	<0.0004	0.01	0.56	11.45	0.441
S335	21.8	0.072	1.89	123.5	77.6	0.32	831	0.81	1.02	27.2	26.7	0.035	36.1	143	<0.0004	0.01	0.66	11.2	0.38
S336	37.7	0.096	1.99	131.5	57.7	0.32	697	0.82	1.485	32	20	0.038	36.6	126.5	0.0004	0.01	0.54	8.65	0.302
S337	14.25	0.059	1.93	144.5	49.2	0.38	656	0.8	1.17	22.2	28.2	0.08	36.4	134.5	0.0004	0.01	0.54	10.05	0.244
S338	9.74	0.058	1.62	100.5	46.1	0.35	876	0.8	1.06	19.4	42.8	0.039	29.9	117	0.0004	0.01	0.52	10.8	0.294
S339	11.45	0.051	1.64	77.5	38.5	0.23	755	0.76	1.14	17.7	23.3	0.031	33.1	113.5	<0.0004	0.01	0.55	8.97	0.314
S340	23.3	0.058	1.82	124.5	55.3	0.27	589	0.66	1.255	24.7	21.9	0.035	28.5	126.5	<0.0004	0.01	0.54	8.56	0.32
S341	11.35	0.055	1.72	85	49.4	0.47	728	0.62	1.14	20.7	61.9	0.04	25.4	117	<0.0004	0.01	0.47	10.45	0.256
S342	20.6	0.065	1.81	113	57	0.27	712	0.7	1.24	22.6	23.2	0.032	30.7	131.5	<0.0004	0.01	0.54	8.8	0.274
S343	22.2	0.067	1.87	116	58.7	0.29	757	0.78	1.26	23.2	20.9	0.032	29.2	130	<0.0004	0.01	0.57	8.72	0.326
S344	15.15	0.066	1.83	91.3	42.2	0.27	708	0.84	1.335	24.1	26.2	0.036	28.1	123.5	<0.0004	0.01	0.47	9.57	0.253
S345	19.2	0.058	1.73	111	51.8	0.3	574	0.71	1.29	23.3	22	0.034	26.4	121	<0.0004	0.01	0.5	8.35	0.337
S346	19.2	0.078	1.7	127.5	59.8	0.33	580	0.73	1.115	24.3	23.1	0.038	30	128.5	<0.0004	0.01	0.56	9.71	0.296

ME-MS61L, 48 element 4 acid digest (elements Sn-Zr)

Sample	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th %	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
S001	2.31	681	1.12	0.009	18.15	0.316	0.586	2.89	50.5	0.755	15.3	47.9	188.5
S002	2.14	711	1.14	0.013	18.6	0.282	0.578	5.05	42	0.672	16.35	45.6	220
S003	2.97	664	1.25	0.014	27.8	0.352	0.616	4.31	48.3	0.862	19.8	71	226
S004	3.53	198.5	1.6	0.024	55.9	0.418	0.848	4	67.8	1.045	24.3	67.4	290
S005	2.71	333	1.24	0.017	27	0.357	0.621	2.93	61.2	0.743	20.5	61.5	219
S006	4.03	256	1.7	0.011	31	0.581	0.607	4.3	90.1	1.665	33	98.2	240
S007	2.69	280	1.44	0.012	16.3	0.31	0.895	3.57	49.9	0.477	18.6	54	179
S008	3.3	248	1.62	0.013	21.4	0.372	0.959	3.93	54.4	0.662	21.9	65.6	206
S009	3.27	189.5	1.5	0.018	32.5	0.374	0.761	3.04	52.6	0.928	22.5	69.8	239
S010	3.5	180.5	1.42	0.02	31.3	0.408	0.917	8.11	57.6	0.864	24	64.6	253
S011	6.25	206	1.96	0.017	30.9	0.593	0.926	2.97	80.3	1.22	51.9	135.5	339
S012	3.93	163.5	1.28	0.017	55.1	0.434	0.718	4.11	61.8	0.893	23.6	88.4	273
S013	2.42	160	1.1	0.017	29	0.358	0.815	4.85	52.1	0.874	20	79.5	215
S014	3.14	280	1.42	0.011	19.6	0.347	0.835	3.61	54.9	0.539	21.5	63.2	217
S015	5.19	169	2.76	0.025	53.3	0.593	0.714	11.05	81.8	1.39	50	69.3	434
S016	4.31	118.5	2.27	0.023	41.3	0.511	0.662	13.35	72.8	1.4	38.2	73.4	346
S017	3.06	219	1.39	0.02	26.8	0.415	0.872	3.49	55.8	0.786	19.85	69.4	238
S018	3.56	190.5	1.52	0.017	50.2	0.46	0.778	3.59	64.8	0.79	25.7	67.2	325
S019	3.61	224	2.18	0.015	29.8	0.463	0.683	3.49	68.2	0.922	22.9	68.7	234
S020	2.72	155	1.14	0.021	23.6	0.363	0.74	6.06	53.2	0.863	19.9	80.6	210
S021	3.91	701	1.15	0.016	21.2	0.282	0.512	6.2	60	0.675	24	73.3	176
S022	3.66	164.5	1.68	0.03	40.9	0.495	0.703	6.96	74.6	1.15	31.9	82	312
S023	4.18	283	1.64	0.022	37.3	0.458	0.517	5.1	76.1	1.065	32.3	86.7	268
S024	4.74	211	2.39	0.022	54.5	0.506	0.483	6.37	86.1	1.7	38.8	113.5	258
S025	3.24	323	1.76	0.018	27.3	0.441	0.451	4.76	65.9	1.14	25.9	67.5	286
S026	3.58	345	1.66	0.016	26	0.421	0.506	4.42	70.7	1.325	23.6	71.6	227
S027	1.8	683	1.06	0.012	13.95	0.5	0.482	4.96	63.7	0.669	16.3	68.3	197.5
S028	2.91	268	1.34	0.01	16.7	0.295	0.878	3.68	53.9	0.4	21.8	56.3	258
S029	3.53	235	1.86	0.018	30.9	0.431	0.749	5.51	66.8	0.866	25.8	88.5	246

Sample	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th %	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
S030	3.14	1240	0.98	0.013	17.75	0.268	0.231	5.09	71.5	0.592	30.3	91.4	123
S031	3.89	130.5	2.07	0.025	40.8	0.559	0.521	4.55	82.6	1.625	34.2	80.7	306
S032	1.62	619	1	0.017	15.05	0.365	0.278	3.5	62.9	0.785	18.8	58.8	189
S033	3.34	304	1.5	0.013	25	0.489	0.679	4.08	71.9	0.924	21.9	74.1	230
S034	2.45	181.5	1.04	0.017	17.95	0.306	0.881	3.37	41.9	0.685	15.75	52.7	194.5
S035	3.44	275	1.88	0.016	26.4	0.43	0.797	4.76	64.4	0.693	26.5	84.6	243
S036	0.97	1905	0.5	0.01	6.77	0.2	0.185	90.7	103	0.593	8.42	37.3	89.4
S037	1.69	575	0.87	0.012	13.6	0.414	0.335	4.36	73.5	1.06	17.05	71.5	193.5
S038	3.33	196.5	1.76	0.027	45.2	0.55	0.559	4.8	74.8	1.63	30.6	82.6	306
S039	2.34	293	1.16	0.015	16.6	0.356	0.724	4.6	48.8	0.993	18.65	56.9	184
S040	2.13	156	0.97	0.016	18.65	0.331	0.8	4.58	42.8	0.721	18.45	50.6	209
S041	3.41	611	1.7	0.016	32.4	0.456	0.553	7	57.3	1.415	26.9	69.9	293
S042	3.41	395	1.78	0.02	30.6	0.51	0.486	6.4	72.5	2.58	28.1	81.6	259
S043	2.41	343	1.14	0.014	21.8	0.35	0.62	4.66	55.9	2.11	20.6	57.8	192
S044	1.78	180	0.91	0.016	14.65	0.28	0.767	4.38	39.9	0.61	14.75	40.5	180.5
S045	3.24	166.5	1.72	0.022	36.8	0.497	0.72	3.93	69.8	1.67	34.6	90.8	499
S046	3.41	101.5	1.51	0.045	33.5	0.79	0.611	3.7	172.5	2.99	39.3	92.1	480
S047	2.7	102	1.62	0.028	44.3	0.433	0.713	7.8	57.8	1.095	28.5	60.5	383
S048	3.3	112.5	2.13	0.029	41.1	0.516	0.845	6.92	68.8	1.33	39.6	77.2	457
S049	2.88	85.4	1.84	0.027	36.2	0.428	0.691	9.39	54.6	1.41	27.2	55.3	413
S050	3.52	158	2.16	0.024	36.6	0.633	0.711	4.31	94	2.29	38.1	83.5	>500
S051	4.17	196.5	2.32	0.023	41.5	0.551	0.742	4.98	64.8	1.22	41.2	74.6	>500
S052	3.57	125	1.7	0.027	42.1	0.49	0.801	10.65	60.4	1.265	35.4	66.1	>500
S053	3.29	81.7	1.54	0.033	45.1	0.48	0.764	13.9	74.9	1.475	30.5	69	350
S054	2.59	78.5	1.26	0.036	32.7	0.432	0.568	10.95	71.2	2.81	26.4	75.9	267
S055	2.94	191.5	1.18	0.027	52.1	0.525	0.793	4.4	95.1	3.25	30.4	99.8	>500
S056	4.27	199.5	2.66	0.025	41.6	0.566	0.808	5.14	67.3	1.13	43.9	73.4	>500
S057	5.47	189	3.16	0.027	62.1	0.689	0.843	5.74	81.9	1.105	56.5	95.9	>500
S058	5.48	149	3.42	0.037	67	0.728	0.921	4.61	93.7	1.14	60.8	90.6	>500
S059	3.95	90.3	1.96	0.034	44.3	0.476	0.876	7.85	66.6	1.19	34.4	72.6	434

Sample	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th %	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
S060	3.07	93.3	1.7	0.039	39.2	0.441	0.636	7.62	68.9	1.18	27.2	77.5	326
S061	2.37	90.9	1.32	0.029	30.5	0.367	0.607	15.3	51	0.95	23.7	54	278
S062	5.84	136	2.91	0.027	85.6	0.772	0.979	6.35	103.5	1.52	70.5	114.5	>500
S063	5.26	189	2.82	0.024	59.8	0.616	0.906	6.17	76.8	1.035	49.6	89.4	>500
S064	5.61	176.5	3.23	0.033	52.8	0.79	0.798	5.5	94.8	1.225	56.6	94.4	>500
S065	5.06	158	2.64	0.029	51.8	0.663	0.824	4.27	82.9	1.25	48.5	82.3	>500
S066	2.52	126	1.88	0.018	36.5	0.446	0.741	7.55	50.2	1.84	26.7	47.5	431
S067	3.13	142.5	1.85	0.024	39.7	0.495	0.839	8.39	55.2	2.15	31.1	55.5	>500
S068	2.48	76.5	1.38	0.03	23.1	0.383	0.645	11.45	52.4	1.16	23.6	44.5	314
S069	4.43	186.5	2.25	0.029	60.5	0.7	0.715	5.92	87.2	1.185	51.9	89	>500
S070	3.89	160	1.86	0.019	52.7	0.562	0.806	5.54	69.2	0.939	39.6	70.5	>500
S071	3.42	165.5	1.94	0.03	45.5	0.556	0.771	4.79	71.7	0.927	36.7	64.3	>500
S072	3.2	176.5	1.95	0.025	40.6	0.534	0.742	4.25	66.8	1.04	40.6	58.8	>500
S073	3.74	168	2.15	0.025	32.5	0.483	0.829	3.71	64.4	0.834	35.5	84.3	399
S074	3.99	181.5	2	0.024	41.3	0.611	0.796	4.39	76.9	1.06	42.2	85.8	>500
S075	3.76	182	1.92	0.025	36.9	0.534	0.784	4.26	71.3	0.859	39	75.7	>500
S076	3.34	180	1.84	0.027	33.8	0.519	0.794	4.14	65.6	0.822	33.9	62.3	>500
S077	4.64	181.5	3.02	0.027	44.7	0.564	0.911	5.13	71.4	0.857	43.7	73.5	>500
S078	6.32	116.5	2.76	0.039	57.1	0.628	1.17	5.93	103.5	1.07	47.9	97	>500
S079	5.37	139	2.97	0.038	47.7	0.662	0.874	6.06	95.3	1.05	48.1	90.3	>500
S080	3.5	116	1.86	0.036	36.2	0.524	0.928	4.86	76.8	1.11	32.9	77.6	>500
S081	3.58	186	2.18	0.025	28.8	0.541	0.789	3.96	63.4	0.82	38.2	67	465
S082	3.9	181	2.65	0.028	38.2	0.544	0.843	4.28	67.3	0.797	41	66.3	>500
S083	4.3	172.5	2.88	0.028	38.6	0.567	0.851	4.38	74.8	0.851	40.8	72.2	>500
S084	5.72	162	3.69	0.033	50.2	0.683	1.03	5.54	90.5	0.907	47	82.7	>500
S085	5.62	181	3.77	0.025	50.5	0.719	0.953	6.21	76.6	0.774	47.4	75.2	>500
S086	5.76	160.5	3.55	0.032	48	0.587	0.948	5.79	75.2	0.888	42.6	70.8	>500
S087	4.19	139	2.08	0.029	53.4	0.612	0.875	6.67	85	1.11	42.5	78.4	>500
S088	4.45	212	2.28	0.023	35.8	0.687	0.907	4.5	84.3	1.115	46.9	75.8	>500
S089	4.45	182.5	2.75	0.028	36.7	0.544	0.876	4.51	63.6	0.817	42.1	64.1	>500

Sample	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th %	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
S090	5.58	181.5	2.97	0.029	49.7	0.663	0.952	5.64	80.8	0.925	48.5	81.4	>500
S091	5.28	166	3.2	0.031	70.5	0.659	0.993	6.48	78.4	0.901	53	71.5	>500
S092	5.36	161	2.96	0.037	53.2	0.656	0.985	5.52	83.9	1.31	48	89.2	>500
S093	4.85	157.5	3.18	0.027	49.3	0.588	0.925	5.68	77.6	0.823	52.9	73.3	>500
S094	4.77	154	2.12	0.033	58.9	0.649	0.918	4.92	89.3	1.01	43.9	88.2	>500
S095	5.33	178	2.83	0.033	46.8	0.696	0.992	5	95.5	1.005	45	84.6	>500
S096	3.44	176	2.42	0.024	31.7	0.518	0.773	4.23	62.9	0.83	34.5	55.7	>500
S097	6.61	195.5	3.83	0.027	53.8	0.685	1.025	5.87	79.3	0.817	61.6	82.4	>500
S098	8.3	167.5	5.34	0.03	65.8	0.696	1.085	8.04	84.2	1.005	55.6	91	>500
S099	6.02	165	3.94	0.032	53	0.672	0.932	5.99	82.4	0.833	49.7	74.3	>500
S100	7.52	170.5	5.45	0.031	51.6	0.661	0.985	6.14	82.5	0.88	53.5	78.3	>500
S101	5.36	153.5	3.03	0.037	46	0.773	0.899	5.26	101	1.145	63.4	120.5	>500
S102	5.05	161	3.24	0.028	44.5	0.583	0.988	5.7	73.3	0.942	37.3	75.3	>500
S103	4.87	167	2.71	0.031	43.6	0.594	0.986	5.62	72.4	0.892	44.5	72.7	>500
S104	5.31	170	2.91	0.029	51	0.662	0.924	5.42	80.1	1.015	48.9	73.1	>500
S105	5.68	184.5	3.67	0.035	50.5	0.672	1.08	6.17	88.7	1.09	53.6	77.7	>500
S106	4.17	151.5	2.83	0.033	47.8	0.603	0.923	4.75	73.7	0.981	45	60.9	>500
S107	4.61	173.5	2.72	0.033	46.2	0.625	0.943	5.11	78.5	0.989	44.1	75.9	>500
S108	7.68	155.5	2.42	0.03	60.9	0.598	1.165	6.56	78.7	1.215	47.3	80.8	>500
S109	4.6	145.5	2.45	0.026	55.8	0.633	1.05	5.88	79.6	1.3	41	78.3	>500
S110	4.38	160.5	2.46	0.036	54	0.582	0.965	5.77	76.4	0.986	42.4	68.9	>500
S111	4.77	127	2.77	0.031	56.7	0.655	1.03	4.17	82.3	1.12	45.6	79.6	>500
S112	4.46	156	2.72	0.027	49.4	0.607	0.986	4.63	79.5	1.335	51.2	72	>500
S113	3.97	165.5	3.18	0.029	47.3	0.607	0.923	4.83	70.2	1.165	45.6	68.6	>500
S114	3.62	157.5	2.31	0.025	35.9	0.519	0.821	3.81	61.9	1.04	37.1	58.9	>500
S115	4.81	180	2.82	0.029	82.8	0.769	0.9	7.91	77.7	1.335	56.3	107.5	>500
S116	5.97	164.5	3.62	0.028	62.5	0.702	0.952	5.91	88.3	1.54	56.4	102	>500
S117	4.66	165	3.27	0.028	61.9	0.652	1.12	5.38	77.6	1.13	50.3	75.2	>500
S118	4.42	168	2.73	0.028	56.5	0.652	0.978	5.11	75	0.996	50.4	75.9	>500
S119	7.24	112	3.66	0.027	68.4	0.528	1.15	5.62	66	7.37	52.7	133.5	>500

Sample	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th %	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
S120	5.89	77.4	4.17	0.035	69.9	0.498	1.095	14.85	65	3.83	84.9	84.1	>500
S121	7.42	78	3.77	0.037	69.2	0.492	1.25	13.15	81	7.83	63	88.8	425
S122	7.86	84.1	5.27	0.036	74.7	0.506	1.235	19.35	74.1	2.75	88.2	96.8	>500
S123	7.41	101.5	4.46	0.036	82.5	0.584	1.625	11.95	77.6	3.72	81.6	116.5	>500
S124	4.92	94.1	5.43	0.033	73.6	0.511	1.11	16.65	68.8	2.48	86.8	98.2	>500
S125	3.93	129.5	2.74	0.025	49.3	0.462	1.1	7.71	55.7	1.745	50.8	85.2	453
S126	4.12	125	2.49	0.031	51.5	0.476	1.025	9.39	57.7	2.98	45.9	96.8	463
S127	3.6	108	2.66	0.032	60.8	0.481	0.992	8.88	61.5	3.19	50.6	74.4	>500
S128	4.62	121	2.55	0.03	83	0.614	1.085	8.16	71.4	5.04	47.4	98.2	>500
S129	7.6	108	6.15	0.032	67.9	0.536	1.37	10.95	63.7	1.91	59.4	96.1	>500
S130	7.44	106	3.66	0.031	94.8	0.556	1.47	8.25	75.1	3.82	50.9	105	>500
S131	6.35	86.1	3.85	0.038	82.8	0.524	1.4	11.25	75.1	3.55	60.4	87.3	>500
S132	6.95	83.3	4.12	0.038	79.4	0.528	1.29	12.75	76.1	12.75	66.7	93.5	>500
S133	7.94	99.4	6.16	0.032	71.1	0.547	1.65	9.41	75	2.25	69.2	103	>500
S134	7.38	98.7	5.85	0.04	72.1	0.605	1.275	10.9	80.6	2.37	82.3	120.5	>500
S135	4.05	122	3.16	0.027	56.1	0.478	1.105	8.7	57	2.3	59.8	78.3	479
S136	5.62	90.3	4.27	0.034	90.9	0.54	1.2	11.2	73.4	1.925	77.4	92.2	>500
S137	4.86	102	3.93	0.028	80.2	0.546	1.09	17.2	64.7	3.21	63.2	85.6	>500
S138	5.61	102	3.91	0.032	93.6	0.515	1.23	18.65	66.6	5.98	67.8	91.9	>500
S139	5.45	82.3	3.89	0.032	73.4	0.529	1.18	10.65	74.5	7.56	60.5	91	>500
S140	4.57	140.5	3.13	0.033	55.2	0.494	1.21	6.73	60.3	2.55	40.1	74.9	>500
S141	6.59	104.5	2.93	0.037	70.5	0.54	1.33	5.14	80.9	1.815	46.2	98.2	>500
S142	4.92	89.8	2.65	0.04	47.3	0.5	1.11	5.42	79	2.27	40.8	81.1	356
S143	6.97	102.5	5.57	0.035	64.5	0.507	1.17	6.65	70.1	2.1	52	80.5	>500
S144	8.85	90.7	4.2	0.04	97.3	0.564	1.61	7.6	82.9	4.51	53.2	107.5	>500
S145	4.34	133	2.47	0.027	37.2	0.526	1.145	5.03	63.6	1.715	48.4	80.6	>500
S146	6.56	101.5	3.54	0.036	71.6	0.581	1.415	8.14	80.6	2.02	74.9	119	>500
S147	6.12	119	4.93	0.033	69	0.506	1.325	13.2	66	2.04	85.7	111	>500
S148	7.16	101.5	3.95	0.034	98.5	0.524	1.535	17.4	77.6	7.13	68.7	108.5	>500
S149	5.69	84.9	4.47	0.041	58	0.545	1.24	13.1	86.8	2.24	58.9	91	>500

Sample	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th %	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
S150	4.26	83.2	3.51	0.038	48.7	0.512	1.05	9.76	71.5	2.57	48.7	64.3	468
S151	5.37	80.7	4.17	0.043	58.2	0.468	1.15	14.1	77.5	2.35	51.9	95.6	454
S152	3.38	151.5	2.18	0.025	39.4	0.452	0.953	4.9	54.5	1.38	34.9	73.8	442
S153	5.65	94.5	3	0.032	53.3	0.566	1.04	3.9	75.2	1.36	35.5	93.9	>500
S154	5.78	139.5	3.83	0.03	54	0.489	1.09	6.92	63.5	1.345	42.7	73.1	>500
S155	8.28	104	4.46	0.036	49	0.528	1.235	7.13	76.7	1.345	41.8	83.8	462
S156	4.81	131	2.69	0.034	50.7	0.592	1.12	4.61	70.3	1.575	45.7	80	>500
S157	4.44	131	2.8	0.03	44.5	0.533	1.1	5.96	63.2	1.58	46.4	88.7	>500
S158	6.71	93.8	4.43	0.037	58.4	0.528	1.235	9.47	76.9	1.7	51.9	87.3	>500
S159	5.3	104	3.36	0.039	56.1	0.624	1.395	5.79	82.2	1.745	48.7	87	>500
S160	4.7	128.5	2.76	0.035	52.4	0.637	1.31	4.94	75.7	1.8	54	83.7	>500
S161	4.24	83.3	2.19	0.036	40.3	0.465	0.901	6.9	65.8	1.35	35.7	79.5	374
S162	4.81	106.5	3.49	0.037	58.7	0.596	1.14	7.69	82.2	2.43	52.6	98.6	>500
S163	4.94	87	3.16	0.041	56.6	0.559	0.979	7.05	96	2.97	44.5	85	393
S164	4.3	136	2.67	0.029	59.6	0.494	1.06	7.37	63.5	1.985	39.4	91.8	>500
S165	5.59	124.5	3.42	0.037	64.6	0.612	1.13	7.95	75.4	1.355	50.9	87.9	>500
S166	5.27	117.5	2.56	0.036	62.4	0.581	1.165	6.47	80.3	1.67	41.5	83.4	>500
S167	7.14	111.5	3.66	0.037	59.3	0.559	1.375	6.06	79.7	1.77	43.2	97	>500
S168	5.96	124.5	3.03	0.037	38.7	0.604	1.53	5.01	74.2	5.62	42.1	90.9	>500
S169	7.17	122	3.98	0.035	58.2	0.623	1.1	6.31	83.8	2.28	48.6	102.5	>500
S170	4.51	107	3.5	0.03	48	0.497	0.969	6.26	62.6	1.505	41.9	88.4	>500
S171	3.32	118.5	1.98	0.029	44.9	0.505	0.895	4.96	61.7	1.47	35.6	70.5	>500
S172	4.7	106.5	2.66	0.034	74.4	0.601	0.97	5.5	77.9	1.48	45.4	88.2	>500
S173	3.89	73.5	2.12	0.039	43	0.553	1	5.24	80.3	1.35	38.5	69.7	>500
S174	3.69	106.5	2.09	0.03	45.1	0.518	1.005	5.7	66.1	1.575	43.1	62.2	487
S175	2.02	115.5	1.45	0.027	19.95	0.437	0.482	2.63	83.3	1.175	23.2	66	234
S176	6.09	115.5	2.49	0.036	77.7	0.51	1.165	6.21	87.9	2.43	29.9	102	>500
S177	4.82	124.5	3.22	0.034	77.4	0.548	0.942	9.49	61.7	1.185	42.8	94.6	>500
S178	4.89	144	3.29	0.028	52.9	0.486	1.02	6.89	62.2	1.355	40.9	97.3	>500
S179	5.39	174.5	3.53	0.029	62.1	0.544	1.175	7.21	65.5	1.58	47.3	86.7	>500

Sample	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th %	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
S180	6.18	115.5	4.1	0.035	56.3	0.596	1.335	5.86	73.2	1.78	55.8	100.5	>500
S181	3.62	125.5	2.6	0.027	45.3	0.511	0.97	6.68	55.9	1.135	42.8	68.5	>500
S182	5.21	119	3.2	0.031	63.6	0.572	1.225	5.96	74.8	1.325	42.7	100	>500
S183	5.33	100.5	3.07	0.032	68.2	0.594	1.095	5.72	74.9	1.775	45.8	87.9	>500
S184	3.75	95.7	1.88	0.031	64.6	0.531	0.976	5.33	72.9	1.285	41.6	70.3	>500
S185	3.65	88.6	1.63	0.03	56.1	0.502	0.926	4.67	71.8	1.315	35.9	72.5	438
S186	2.93	87.3	1.72	0.031	43.3	0.529	1.03	5.31	73.5	1.43	52.2	57.3	413
S187	3.23	113.5	2.18	0.027	62.2	0.526	0.721	5.87	65.8	1.455	39.8	83.6	>500
S188	6.15	134.5	3.57	0.025	86.9	0.676	1.25	8.56	74.1	1.355	52.6	118.5	>500
S189	3.44	119.5	1.76	0.021	37.2	0.4	0.886	4.1	50.2	1.57	29.5	74.8	367
S190	6.78	120.5	3.5	0.026	71.5	0.572	1.155	8.63	67.5	1.66	52	114	>500
S191	5.49	136	2.65	0.027	72.6	0.598	1.19	7.37	72.2	2.54	50.2	91.6	>500
S192	5.04	111.5	2.54	0.032	55.3	0.532	1.155	7.52	72.4	1.885	42.5	85.1	>500
S193	5.23	106	3.79	0.029	51.7	0.483	1.035	10.05	58.5	1.21	47.6	69.4	>500
S194	5.72	109	2.32	0.025	60.1	0.497	0.993	9.12	59.8	1.98	37.8	80.2	>500
S195	3.86	110.5	2.36	0.03	39.6	0.507	0.962	5.09	64	1.155	34.7	60.7	>500
S196	4.68	89.2	2.13	0.037	56.2	0.501	1.125	5.39	79.7	2.1	39.9	73.7	465
S197	3.59	89.3	1.67	0.031	45.5	0.474	1.015	5	70.2	1.46	38.6	81.4	411
S198	3.9	114.5	1.75	0.04	50.8	0.524	1.25	5.56	100.5	1.74	55.1	78.5	355
S199	4.57	210	2.68	0.028	60.5	0.526	0.951	5.96	65.3	1.85	47.1	103.5	>500
S200	3.37	158	1.98	0.029	46	0.515	1.015	5.26	60.5	1.21	32.7	60.3	>500
S201	2.69	132	1.62	0.027	37.1	0.442	0.869	4.26	54.5	1.165	27.7	58.2	396
S202	6.53	117	3.62	0.031	95.3	0.598	1.185	7.45	71.6	1.31	50.2	100.5	>500
S203	5.25	105	2.02	0.033	66.7	0.571	1.33	5.03	77.2	2.1	46.8	107.5	>500
S204	4.29	101.5	2.51	0.027	48.7	0.518	1.325	6.51	69	1.79	43.8	69.9	>500
S205	6.17	125.5	3.64	0.033	75.9	0.58	1.195	8.44	75.2	2.2	53.6	99	>500
S206	6.23	108.5	3	0.032	75	0.577	1.31	6.56	77.5	1.935	49.7	112	>500
S207	4.91	95	2.01	0.039	59.4	0.554	1.235	4.9	82.7	1.505	40.3	81	>500
S208	4.32	103	1.97	0.038	53.3	0.517	1.125	4.92	84.3	1.28	36.4	84.5	479
S209	3.57	96.5	1.79	0.029	48.8	0.533	0.971	5.82	76.3	1.325	46.4	65.6	483

Sample	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th %	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
S210	2.06	278	0.97	0.023	19.5	0.368	0.574	2.49	88.3	1.05	21.9	64.1	195.5
S211	3.78	124	2.07	0.026	53	0.532	0.998	6.6	67.8	1.805	43.2	70.9	>500
S212	3.77	141	2.31	0.024	55.9	0.514	0.989	6.31	61.1	1.275	37.6	69.9	>500
S213	6.08	119.5	2.77	0.03	95.8	0.556	1.095	7.85	74	1.57	42.7	99.5	>500
S214	4.51	114	2.53	0.023	53.6	0.482	0.988	6.79	54.7	1.32	43.6	94.1	497
S215	3.83	137	1.99	0.027	38.1	0.471	1.12	4.68	57	1.375	37.6	70.6	486
S216	7.18	101.5	6.42	0.03	70.4	0.546	1.175	12.45	69.7	1.48	57.3	102	>500
S217	4.96	111.5	2.83	0.033	55.6	0.499	0.926	6.59	70.2	1.455	36.2	75.9	>500
S218	4.75	118	2.55	0.025	54.7	0.505	0.984	7.57	68.4	2.6	38.9	80.3	>500
S219	4.64	104	2.92	0.032	55.6	0.533	0.971	6.45	78.4	1.625	40.5	78.5	>500
S220	4.37	103	2.72	0.037	50.1	0.488	1.035	5.84	76.5	1.55	35.9	65.5	459
S221	3.77	105	2.05	0.033	47.9	0.51	1.03	5.94	73.4	1.6	42.6	68.6	>500
S222	2.83	128	2.01	0.026	39.5	0.537	0.912	13.65	62.9	1.405	36	54.7	>500
S223	4.22	104.5	2	0.03	46.8	0.431	0.916	4.72	65.3	1.47	33.9	104	268
S224	4.34	139.5	2.29	0.028	80.1	0.503	1.065	7.17	65.6	1.295	40.6	83.1	>500
S225	5.45	148	3	0.03	57.7	0.52	1.125	6.86	65.3	1.69	40	75.7	>500
S226	3.64	115	2.11	0.027	44.8	0.463	0.993	4.9	60.6	1.545	33.3	72.2	360
S227	4.56	113.5	2.1	0.024	49.9	0.459	1.01	4.39	60.1	1.425	37	108	403
S228	3.9	127.5	2.59	0.028	42.5	0.506	0.978	5.74	58.7	1.795	40.3	71.5	>500
S229	4.77	115	2.42	0.026	53.5	0.558	1.065	6.1	65	2.09	42.9	84.8	>500
S230	3.66	125	2.54	0.022	39.2	0.502	0.922	5.43	58.8	1.645	37.1	54.9	462
S231	5.41	114.5	3.71	0.031	54.6	0.531	0.978	8.19	75	1.73	39.4	76.2	>500
S232	6.42	102	2.64	0.031	49.4	0.468	1.07	6.46	79.6	1.72	40.4	81.2	393
S233	2.17	114.5	1.06	0.024	18.45	0.392	0.545	2.38	99.5	1.065	21.5	63	245
S234	4.09	120.5	2.06	0.032	57.8	0.52	0.991	5.83	72.1	1.25	39	69.1	>500
S235	4.28	114	1.98	0.023	43.4	0.426	0.932	4.44	64	1.44	31.1	96.7	284
S236	4.1	155	2.38	0.028	56.4	0.49	1.01	5.18	61.2	1.355	37.7	81.6	>500
S237	3.32	144	1.97	0.022	40.3	0.455	0.914	4.33	56	1.335	30.4	70.3	431
S238	4.58	117.5	2.53	0.034	53.5	0.541	1.12	5.11	73.7	2.16	41.2	81.9	282
S239	6.24	139	2.64	0.027	61.4	0.543	1.225	5.77	71.7	2.31	47.6	96	>500

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S240	6.08	108.5	3.7	0.032	56.8	0.492	1.03	5.82	63.4	1.625	38.8	74.9	>500
S241	4.28	117	2.4	0.027	47.9	0.477	0.989	6.24	58.1	2.15	39.1	69.5	>500
S242	4.54	95.8	3.77	0.033	61.7	0.489	0.961	13.4	64.3	1.625	52.9	73.7	>500
S243	5.27	102	2.64	0.035	87.5	0.533	0.967	10.4	79.5	2.77	43.7	81	>500
S244	5.69	102	3.15	0.037	62.1	0.558	1.275	7.32	79.5	1.51	52.1	86.3	>500
S245	4.24	113	2.12	0.029	55.3	0.525	0.939	5.47	80.8	1.425	38.5	77.7	>500
S246	3.49	122	1.94	0.026	47.2	0.467	0.875	5.29	61.1	1.3	36	63.7	>500
S247	4.02	99.9	1.88	0.028	43.7	0.411	0.888	4.26	65.5	1.635	30.5	83.2	258
S248	3.56	138	1.88	0.026	40.5	0.444	0.889	4.09	55	1.51	29.7	72.1	408
S249	4.11	150	2.23	0.029	47.1	0.463	1.015	5.05	55.6	1.39	34.8	67.8	>500
S250	3.18	130.5	2.09	0.026	36.5	0.449	0.867	4.31	53.3	1.37	29.9	61.6	406
S251	3.7	135	2.35	0.026	51.4	0.51	0.981	6.2	57.3	1.485	37.1	67.5	>500
S252	4.9	136.5	2.46	0.028	57.6	0.564	1.2	5.61	67.6	1.205	41.7	81.4	>500
S253	3.28	117	1.72	0.027	38.7	0.47	0.902	4.33	65.9	1.265	32.1	82.6	349
S254	4.23	116.5	2.32	0.03	46.7	0.488	0.964	5.56	66.9	1.845	40.8	69.6	497
S255	4.91	84.8	3.7	0.041	43.3	0.455	0.886	6.21	70.3	1.415	50.5	77.7	381
S256	2.1	84.8	0.93	0.027	16.5	0.403	0.529	1.96	98.9	0.776	21.8	72.5	205
S257	4.93	109	2.47	0.033	48.6	0.51	1.02	5.41	69.6	1.18	39.2	65.1	>500
S258	3.8	119	2.6	0.034	43.2	0.523	0.856	4.59	67.1	1.4	33	65.2	>500
S259	3.77	130	2.14	0.032	38.8	0.465	0.887	4.3	71.2	1.46	34.4	81.9	323
S260	4.06	159	2.17	0.029	35.4	0.483	0.894	3.82	59.2	3.02	36.6	96.2	465
S261	4.64	190	2.5	0.036	58.8	0.601	1.07	5.54	75.4	1.645	45.5	97.2	>500
S262	3.57	146	2.24	0.027	41	0.484	0.932	5.28	58.6	1.225	37.7	70.4	>500
S263	3.39	151	2.11	0.028	40	0.532	0.964	5.13	58.5	1.69	36.4	71.2	>500
S264	4.4	149.5	2.41	0.029	57	0.57	1.13	6.27	69.9	1.36	40.7	76.3	>500
S265	4.4	123.5	2.41	0.035	63	0.518	1.045	7.52	68.9	2.48	37.1	77.3	>500
S266	2.92	120	1.86	0.029	36.7	0.485	0.855	4.63	67.7	1.09	32.5	56.2	429
S267	3.93	100.5	2.89	0.032	35.4	0.47	0.812	4.48	92.3	1.295	36.2	73.5	347
S268	4.07	112.5	2.26	0.032	38.3	0.484	0.968	4.6	75.4	1.485	36.2	69.5	446
S269	3.33	125.5	2.15	0.029	36.1	0.476	0.871	4.53	67.7	1.11	33.3	58.3	409

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S270	4.42	116.5	2.48	0.023	45.1	0.469	0.994	4.91	63.6	1.515	34.8	78.6	440
S271	3.93	138.5	2.3	0.03	41.5	0.498	0.933	4.23	68.4	1.315	37.2	79.3	343
S272	4.5	179	2.56	0.03	39.1	0.528	0.999	4.18	60.8	1.965	35.1	91.5	>500
S273	6.15	167.5	3.25	0.031	69.6	0.556	1.08	6.56	69.3	1.955	41.6	98.2	>500
S274	2.95	152	2.01	0.029	37	0.477	0.914	4.12	58.1	1.635	29.7	54.7	441
S275	3.06	136.5	1.91	0.03	33.3	0.468	0.903	4.07	57.5	1.405	32	66.2	415
S276	4.42	148.5	2.66	0.03	53.8	0.541	1.085	6.43	65.8	1.835	42.9	69.9	>500
S277	4.55	130.5	2.89	0.029	76	0.598	0.843	7.7	74	1.585	44.9	89.1	>500
S278	3.37	119	1.89	0.033	48.6	0.53	0.908	5.02	71.3	0.993	33.4	67.3	>500
S279	3.45	108.5	1.85	0.031	50.9	0.514	0.766	5.11	104	1.025	30.2	68.5	444
S280	4.16	114	2.4	0.033	64.7	0.514	0.936	6.02	68.2	0.923	34.6	71.5	>500
S281	4.06	152.5	2.33	0.034	50.9	0.587	1.045	5.27	74.9	1.23	40.9	81.6	>500
S282	3.39	142.5	2.14	0.027	46.4	0.487	0.911	5.84	54	0.902	31.7	68.1	>500
S283	3.96	136	1.96	0.028	42.9	0.478	0.982	5.42	64.4	1.135	37.9	69.8	494
S284	4.82	186.5	2.29	0.034	48.1	0.533	1.01	5.14	61.7	2.83	35.7	73.5	>500
S285	3.6	171.5	2.22	0.028	39.4	0.508	0.957	4.36	59.1	1.57	35.1	67.3	>500
S286	3.07	145	1.9	0.026	34.6	0.491	0.826	3.98	59.1	1.365	33.6	82.4	417
S287	3.02	143	1.94	0.031	32.7	0.467	0.872	3.93	58.6	1.125	32.5	62.8	417
S288	3.65	128.5	2.44	0.028	41.3	0.511	0.889	5.19	61.9	1.01	41.4	64	>500
S289	5.2	114	2.38	0.033	64.9	0.535	1.02	5.07	74.8	1.125	37.3	94.9	>500
S290	1.94	96.6	1.13	0.026	23.7	0.406	0.545	2.91	110.5	0.774	24.9	62.3	288
S291	4.78	123	2.19	0.033	70.1	0.475	0.936	6.66	64.4	0.941	33.5	74.9	>500
S292	4.38	145	2.35	0.023	60.8	0.482	0.962	7.02	58.8	0.93	33.1	63.9	>500
S293	3.72	132	2	0.026	42.9	0.477	0.849	4.92	59.9	0.977	31.9	65.9	448
S294	3.04	143	2.27	0.025	38.2	0.446	0.959	4.67	54.7	1.395	29.7	55.8	441
S295	3.98	151.5	2.46	0.024	48.6	0.485	0.929	4.89	59.4	1.815	34.8	78	469
S296	3.7	169	2.03	0.023	43.6	0.497	0.861	5.35	57.9	1.16	35.1	69.3	>500
S297	3.28	153	2.02	0.026	43.8	0.505	0.908	5	61	1.405	36.8	64.4	>500
S298	3.05	147.5	1.62	0.028	40	0.471	0.783	4.76	61.4	1.13	30.6	55.8	429
S299	4.68	124	2.12	0.026	45.3	0.492	0.887	4.14	79.5	1.235	33.9	86.3	>500

Sample	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th %	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
S300	4.98	126	2.57	0.033	66.4	0.538	0.916	6.88	75.3	1.17	36.9	87.5	>500
S301	3.63	142.5	2.23	0.023	56.4	0.539	0.807	7.7	59.9	1.045	31.7	75.8	>500
S302	5.73	122	2.97	0.029	94.1	0.565	0.993	17.95	65.1	0.997	42.1	83.4	>500
S303	4.62	163	2.41	0.027	51	0.49	0.934	4.92	66.4	1.385	38.2	85.3	335
S304	4.97	116.5	2.92	0.031	78.1	0.569	0.945	6.89	74.5	1.185	36	88	>500
S305	3.61	154.5	2.18	0.028	44.5	0.493	0.815	4.99	60.6	1.21	34.2	64.6	>500
S306	3.91	173.5	2.08	0.026	59.5	0.477	0.787	5.77	68.9	1.09	32.2	68.7	>500
S307	3.76	167.5	1.88	0.023	62.5	0.502	0.812	6.49	58.7	1.15	33.5	65.7	>500
S308	4.68	120.5	2.17	0.029	75.6	0.46	0.808	7.98	75	0.97	32.1	75.4	>500
S309	3.64	105	1.74	0.032	52.4	0.53	0.829	5.28	74.7	1.175	30.2	70	>500
S310	4.2	130	1.86	0.029	48.3	0.493	0.868	4.01	69.2	0.968	27.4	73.7	426
S311	3.78	109	1.51	0.031	53.2	0.518	0.803	8.01	70.4	1.12	31.4	70	>500
S312	5.32	167.5	2.43	0.027	57.9	0.488	0.843	6.33	62.6	1.5	41.5	84.7	>500
S313	4.21	152	2.54	0.028	61	0.515	0.855	5.76	62.8	1.065	32.6	73.4	>500
S314	7.24	141	3.74	0.026	99.8	0.556	0.879	8.14	91.9	1.42	39.5	121	>500
S315	5.78	159	2.66	0.025	74.3	0.561	1.12	6.72	65.3	1.305	47.3	93.5	>500
S316	3.47	136	2.01	0.034	50.8	0.571	0.55	5.61	105	1.095	35.9	81.9	>500
S317	3.67	132.5	1.86	0.028	58.6	0.467	0.827	5.32	63.3	0.87	29.3	72.2	>500
S318	3.78	140.5	1.74	0.024	48.7	0.486	0.844	4.84	59.6	0.975	29.6	70.9	488
S319	3.73	163	1.68	0.024	45.1	0.469	0.794	4.68	58.7	1.03	29.5	68.4	478
S320	6.25	193	2.82	0.024	59.2	0.574	0.85	5.06	81.9	1.94	40.1	88.9	>500
S321	6.01	147	2.5	0.031	67.2	0.589	0.922	6.01	75.3	1.1	35	87.5	>500
S322	4.08	127.5	2	0.025	47.5	0.482	0.809	4.37	63.7	1.205	33.2	77.2	337
S323	3.74	142.5	1.5	0.024	52.1	0.494	0.72	4.64	78.8	0.98	30.2	80.2	>500
S324	3.71	147	1.88	0.024	47.3	0.472	0.772	4.46	54.3	1.01	30	77.5	458
S325	3.66	166.5	1.73	0.022	40.7	0.478	0.874	4.18	62.1	1.315	26.3	65.9	467
S326	4.31	205	2.23	0.031	46.7	0.528	0.936	5.13	70.2	1.475	38.7	61.4	>500
S327	4.91	140	2.14	0.033	41.9	0.481	0.923	4.38	69.6	1.265	34.7	72.7	375
S328	4.97	131.5	1.94	0.029	34.8	0.524	0.762	3.76	88.7	1.12	32.4	89.8	407
S329	4.36	161.5	2.59	0.031	36.8	0.462	0.91	3.72	68.4	1.25	36.7	83.6	396

Sample	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th %	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
S330	3.91	164	2	0.032	41.3	0.507	0.87	4.37	61.2	1.085	32.4	74.5	>500
S331	3.74	162.5	3.27	0.028	49	0.532	0.867	5.31	67.3	1.29	30.2	60.2	>500
S332	5.98	165	2.8	0.032	59.1	0.551	0.943	5.83	68.4	2.78	39	74.2	>500
S333	6.73	181	3	0.029	70.9	0.471	0.907	9.11	60.2	1.385	37.2	83.6	>500
S334	5.47	115.5	2.18	0.033	63.1	0.536	1.055	6.77	75.9	1.675	36.8	85.1	>500
S335	5.72	146	3.11	0.037	58.7	0.555	1.095	5.03	77.1	1.52	36	82.1	>500
S336	5.63	201	3.07	0.03	68.5	0.665	0.954	7.12	70.8	1.595	47	81	>500
S337	4.54	168.5	2.1	0.031	48.2	0.558	1.06	4.11	81.5	1.62	36.8	90.4	>500
S338	3.76	140	2.02	0.028	37.3	0.478	0.867	3.54	71	1.24	31.6	79.9	341
S339	3.71	127.5	1.9	0.035	43	0.441	0.84	4.35	62.8	1.14	30.5	68.5	383
S340	5.14	179.5	3.09	0.031	48.9	0.533	0.939	4.73	67.5	1.76	40.6	71.1	>500
S341	4.14	163.5	2.28	0.029	34.2	0.549	0.863	3.44	77.2	1.43	32.9	83.6	402
S342	4.59	146.5	2.67	0.031	47.9	0.509	0.997	4.27	68.7	1.21	36.6	75.4	>500
S343	4.55	150	3.7	0.032	49.6	0.539	0.972	4.57	65.6	1.59	37.6	69.2	>500
S344	4.64	170	2.91	0.029	36.6	0.51	0.911	4.15	64.7	1.225	38.2	70.8	>500
S345	4.79	171	2.62	0.033	40.4	0.515	0.903	3.91	70.1	1.195	37.7	72.8	>500
S346	5.02	150	2.83	0.036	49.3	0.53	0.975	4.26	70.9	1.27	41.5	84.2	>500

APPENDIX B – Rare Earth Assays with TREO conversion

ME-MS61L-REE

Sample	TREO ppm	LREO ppm	HREO ppm	Dy ppm	Er ppm	Eu ppm	Gd ppm	Ho ppm	Lu ppm	Nd ppm	Pr ppm	Sm ppm	Tb ppm	Tm ppm	Yb ppm	Y ppm	Ce ppm	La ppm	Nb ppm
S001	181.43	142.8	39.3	3.02	1.865	0.982	3.47	0.557	0.259	21.1	6.36	4.23	0.476	0.254	1.845	15.3	61.3	30	12.25
S002	179.86	139.4	41.1	3.09	1.97	0.903	3.65	0.571	0.263	20.9	6.33	4.24	0.503	0.259	1.95	16.35	59.8	28.9	10.8
S003	267.69	216.9	51.5	3.83	2.3	1.155	4.85	0.679	0.297	32.2	10.1	6.36	0.691	0.295	2.09	19.8	87.3	51.1	15.35
S004	319.93	256.5	64.6	5.12	2.96	1.44	6.24	0.889	0.428	36.3	11.2	7.46	0.832	0.396	2.91	24.3	109.5	56.4	17.45
S005	292.95	239.8	54.0	4.22	2.55	1.165	5.2	0.743	0.318	33.1	10.55	6.33	0.711	0.325	2.32	20.5	103	52.8	13.95
S006	394.67	310.9	85.5	6.95	4.01	1.91	8.14	1.22	0.452	45.4	14	9.11	1.125	0.495	3.46	33	129	70.4	20.2
S007	179.51	133.6	46.7	3.6	2.25	1.185	3.89	0.646	0.323	20.6	6.08	4.4	0.545	0.304	2.58	18.6	57.5	26.9	14.05
S008	245.74	190.4	56.4	4.52	2.77	1.375	4.9	0.8	0.377	27.9	8.37	5.87	0.69	0.368	2.61	21.9	84.1	37.9	16.2
S009	298.79	240.3	59.5	4.72	2.73	1.29	5.76	0.838	0.361	34.3	10.45	6.96	0.768	0.368	2.57	22.5	103.5	51.6	16.7
S010	304.97	244.3	61.8	4.84	2.86	1.345	5.66	0.839	0.377	33.9	10.2	6.94	0.775	0.367	2.61	24	107	52	18.65
S011	397.66	276.8	124.0	10.3	6.12	1.755	10.45	1.895	0.656	42.2	12.5	10	1.585	0.747	5.02	51.9	117.5	58.1	30.1
S012	349.85	286.4	64.5	4.93	2.9	1.635	6.59	0.879	0.357	42.4	12.8	8.31	0.834	0.36	2.6	23.6	120	63.2	16.65
S013	294.68	240.9	54.6	4.26	2.42	1.315	5.72	0.828	0.328	34.4	10.7	6.75	0.76	0.32	2.25	20	101	54.4	13.25
S014	205.45	153.0	53.4	4.21	2.6	1.285	4.52	0.77	0.365	23.4	6.84	4.91	0.626	0.361	2.55	21.5	66.7	30.3	14.65
S015	551.95	429.1	125.9	10.05	5.85	2.45	11.1	1.825	0.747	62	18.9	12.65	1.57	0.766	5.31	50	183	93.1	27.2
S016	419.71	325.6	96.2	7.79	4.52	1.88	8.46	1.365	0.576	47.1	14.1	9.67	1.205	0.588	4.16	38.2	140.5	69.1	22.8
S017	246.83	195.7	52.0	4.21	2.39	1.29	4.9	0.729	0.33	29	8.85	5.75	0.663	0.32	2.26	19.85	80.3	44.8	15.8
S018	387.53	318.5	70.2	5.4	3.32	1.63	6.98	0.934	0.425	45.6	14	8.98	0.908	0.407	3.01	25.7	137.5	67.8	17.25
S019	270.4	211.5	60.0	4.64	2.78	1.52	5.38	0.867	0.368	33.4	9.85	6.99	0.729	0.367	2.65	22.9	87.7	45.1	16.7
S020	274	222.6	52.2	4.01	2.43	1.265	4.93	0.699	0.319	31.7	9.81	6.15	0.671	0.313	2.22	19.9	94.4	49.3	13.55
S021	216.71	159.4	58.3	4.73	2.71	1.125	4.79	0.827	0.339	25.2	7.48	5.54	0.728	0.362	2.5	24	67.1	32.9	12.7
S022	378.8	296.0	84.6	6.96	4.05	1.775	7.69	1.24	0.49	46.2	14.15	9.26	1.05	0.521	4.26	31.9	117	69.3	18.3
S023	385.07	304.4	82.3	6.54	3.96	1.605	7.46	1.185	0.485	44.1	13.4	8.68	1.035	0.5	3.51	32.3	130.5	65.2	19.55
S024	624.17	521.5	104.7	7.94	4.5	2.7	10.35	1.345	0.545	77.4	24.1	13.75	1.32	0.551	3.94	38.8	218	114.5	23.6
S025	323.73	257.6	67.3	5.1	3.1	1.665	6.11	0.908	0.436	39	11.65	7.69	0.826	0.412	3.01	25.9	109.5	54.2	17.45
S026	288.26	227.0	62.3	4.9	2.96	1.54	5.71	0.904	0.393	34	10.2	7.05	0.757	0.385	2.94	23.6	96.3	48.4	16.75
S027	190.61	148.3	43.0	3.43	2.1	1.14	3.91	0.611	0.287	22.6	6.69	4.76	0.555	0.268	2.01	16.3	64.5	29.5	13.35

Sample	TREO ppm	LREO ppm	HREO ppm	Dy ppm	Er ppm	Eu ppm	Gd ppm	Ho ppm	Lu ppm	Nd ppm	Pr ppm	Sm ppm	Tb ppm	Tm ppm	Yb ppm	Y ppm	Ce ppm	La ppm	Nb ppm
S028	184.84	132.1	53.6	4.05	2.69	1.365	4.31	0.754	0.415	20.5	5.84	4.77	0.651	0.363	2.76	21.8	58.1	25.4	12.85
S029	321.79	255.8	67.2	5.13	3.19	1.605	6.03	0.929	0.424	37	11.1	7.19	0.834	0.414	3.56	25.8	111	53.6	18.85
S030	229.2	158.9	71.7	5.99	3.52	0.982	5.91	1.075	0.371	24	6.9	6.02	0.898	0.441	2.88	30.3	72.4	28.7	13.5
S031	400.63	314.6	87.9	7.13	4.32	1.7	7.91	1.27	0.55	46.4	14.1	9.16	1.085	0.557	3.86	34.2	131	70.4	21.5
S032	202.81	154.0	49.7	4.08	2.32	1.215	4.68	0.796	0.313	26	7.55	5.45	0.653	0.304	2.19	18.8	64.3	30.3	12.3
S033	264.86	207.8	58.0	4.49	2.64	1.59	5.48	0.785	0.368	33.6	9.78	6.7	0.737	0.362	2.62	21.9	88.5	41	16.7
S034	166.36	126.0	41.0	3.32	2.01	0.947	3.73	0.58	0.259	21.3	6.4	4.49	0.52	0.257	1.82	15.75	47.9	29.5	11.8
S035	314.4	248.0	67.6	5.12	3.13	1.73	6	0.917	0.438	36.5	11	7.2	0.839	0.423	3.08	26.5	106	52.8	18.1
S036	99.45	77.7	22.1	1.79	1.07	0.566	2.09	0.333	0.142	11.7	3.46	2.36	0.285	0.143	1.005	8.42	34.2	15.2	5.82
S037	188.69	146.4	43.0	3.31	1.855	1.07	3.96	0.59	0.263	25.5	6.47	4.66	0.526	0.259	1.735	17.05	60.4	29.5	11.4
S038	418.99	342.4	78.0	5.75	3.03	1.775	7.39	1.015	0.438	56.4	14.85	9.52	0.937	0.449	2.95	30.6	135.5	78.6	19.65
S039	184.26	139.8	45.1	3.28	1.935	1.13	3.9	0.615	0.279	25.1	6.38	4.53	0.513	0.272	1.88	18.65	56	29	12.8
S040	207.34	162.4	45.6	3.38	1.92	1.055	4.21	0.619	0.27	27	7.11	4.82	0.544	0.273	1.87	18.45	67.4	33.7	11.65
S041	322.6	257.2	66.4	4.75	2.68	1.56	5.89	0.862	0.391	44.1	11.5	7.54	0.752	0.369	2.69	26.9	99.6	59.3	17.95
S042	355.42	285.8	70.8	5.07	2.87	1.78	6.37	0.928	0.426	49.8	12.7	8.35	0.816	0.402	2.89	28.1	115	60.6	18.9
S043	193.08	145.1	48.8	3.51	2.07	1.14	3.91	0.665	0.323	25.4	6.4	4.68	0.547	0.294	2.16	20.6	59.7	29.3	12.5
S044	148.27	113.1	35.7	2.73	1.505	0.817	2.95	0.497	0.221	19.2	4.92	3.63	0.418	0.217	1.475	14.75	46.7	23.4	9.74
S045	462.55	377.6	86.5	6.48	3.64	1.865	7.94	1.185	0.472	57.3	15.4	9.7	1.015	0.489	3.3	34.6	157	84.7	18.55
S046	340.19	248.5	93.7	7.08	4.36	1.77	7.5	1.34	0.624	44.2	11.5	8.35	1.05	0.596	4.27	39.3	92.1	59.6	17.55
S047	339.71	267.5	73.5	5.74	3.02	1.54	7.16	0.983	0.439	42.7	11	8.55	0.947	0.432	2.9	28.5	116	52.8	19.8
S048	433.05	336.4	98.6	7.35	4.13	1.825	9.23	1.32	0.575	57.2	14.95	10.95	1.175	0.555	3.76	39.6	133	75.2	23.3
S049	250.73	186.3	65.6	4.98	2.87	1.27	5.62	0.924	0.451	32.4	8.43	6.2	0.767	0.419	2.92	27.2	74.3	40.1	18.95
S050	421.21	331.3	91.7	6.73	3.71	1.9	7.72	1.235	0.553	52.6	13.9	9.49	1.04	0.549	3.73	38.1	133.5	76	20.3
S051	511.88	414.2	99.6	7.15	3.99	2.14	8.54	1.305	0.58	64.1	17.25	10.65	1.12	0.571	3.91	41.2	166	97.8	22.4
S052	435.29	345.8	91.2	6.88	3.79	1.97	8.73	1.225	0.555	59.9	15.7	10.75	1.125	0.533	3.66	35.4	135	77.7	22.2
S053	386.2	309.7	78.0	6	3.28	1.695	7.44	1.07	0.472	49.7	13.05	8.77	0.934	0.466	3.15	30.5	128.5	66.6	19.45
S054	264.49	200.8	65.0	5.14	2.98	1.29	5.56	0.932	0.426	33.5	8.76	6.22	0.769	0.428	2.95	26.4	82.9	42	15
S055	630.82	549.8	82.3	5.85	3.05	2.14	8.43	1.025	0.427	83.8	23.3	12.05	0.969	0.414	2.84	30.4	221	130	14.9
S056	488.58	384.0	106.8	7.88	4.6	2.15	9.25	1.44	0.627	62.7	16.65	10.95	1.225	0.628	4.3	43.9	148	92.9	22.5
S057	737.36	602.8	137.7	9.95	5.69	2.79	11.85	1.81	0.768	90.2	24.5	14.85	1.545	0.791	5.36	56.5	253	134	30.4
S058	806.65	660.1	150.2	11.1	6.33	3.07	12.95	2.05	0.798	106	28.8	16.4	1.695	0.877	5.87	60.8	258	157.5	31

Sample	TREO ppm	LREO ppm	HREO ppm	Dy ppm	Er ppm	Eu ppm	Gd ppm	Ho ppm	Lu ppm	Nd ppm	Pr ppm	Sm ppm	Tb ppm	Tm ppm	Yb ppm	Y ppm	Ce ppm	La ppm	Nb ppm
S059	366.97	283.1	85.5	6.52	3.52	1.525	7.9	1.195	0.501	47.1	12.15	9.27	1.04	0.505	3.45	34.4	116.5	60	22.3
S060	353.7	286.5	68.4	5.2	2.8	1.345	6.43	0.945	0.381	43.8	11.8	7.71	0.858	0.395	2.7	27.2	117.5	65.5	16
S061	250.72	194.3	57.4	4.22	2.51	1.325	4.96	0.781	0.36	32.4	8.7	5.66	0.671	0.359	2.41	23.7	75.2	45.7	13.3
S062	926.88	754.0	177.6	13.6	7.13	3.23	16.35	2.41	0.885	123.5	33.6	20.4	2.16	0.966	6.21	70.5	295	176.5	31.1
S063	686.28	563.8	125.3	9.24	5.32	2.7	11.45	1.675	0.736	85.2	23.2	14.1	1.48	0.765	4.98	49.6	234	127	24.8
S064	684.65	549.3	138.6	10.15	5.89	2.94	11.8	1.86	0.833	85.7	22.7	14.5	1.555	0.842	5.61	56.6	227	122	30.2
S065	678.81	559.3	122.2	9.09	5.06	2.63	11.15	1.665	0.661	88	24.2	13.95	1.46	0.699	4.66	48.5	220	134	25
S066	275.55	211.3	65.4	4.88	2.77	1.36	5.74	0.893	0.434	36.8	9.79	6.72	0.766	0.404	2.8	26.7	79.8	49.9	16.45
S067	328.36	253.1	76.7	5.76	3.33	1.615	6.64	1.055	0.5	42.7	11.35	7.89	0.902	0.486	3.36	31.1	98.7	58.3	19.55
S068	208.28	153.3	56.0	4.35	2.43	1.225	4.48	0.807	0.372	26	6.68	4.9	0.642	0.365	2.52	23.6	63	32	14.4
S069	739.28	611.5	130.8	9.82	5.27	2.92	11.75	1.765	0.727	92.7	24.6	15.2	1.54	0.727	4.79	51.9	260	131.5	24.2
S070	594.77	495.7	101.0	7.45	4.13	2.24	9.01	1.335	0.62	74.7	20.6	12.35	1.195	0.575	4.02	39.6	204	113.5	20.6
S071	521.3	430.1	93.0	6.96	3.79	2.11	8.41	1.26	0.563	67.8	18.3	10.85	1.085	0.537	3.68	36.7	172.5	99.8	19.85
S072	517.42	418.6	100.8	7.39	4.08	2.18	8.99	1.355	0.592	68.4	18.25	11.4	1.16	0.578	3.89	40.6	160.5	102	19.95
S073	480.39	392.8	89.1	6.39	3.62	1.85	8.26	1.195	0.444	61.4	17.7	10.6	1.105	0.498	3.41	35.5	157.5	90.7	18.15
S074	563.9	461.3	104.7	7.67	4.32	2.14	9.32	1.39	0.552	71	20.8	11.85	1.265	0.589	4.09	42.2	185	107.5	20.4
S075	484.26	390.6	95.4	6.81	3.79	1.99	8.5	1.23	0.511	64.3	18.4	10.75	1.17	0.519	3.62	39	150	93	19.1
S076	428.79	346.8	83.4	5.95	3.41	1.78	7.47	1.06	0.478	56.3	16.4	9.42	1.01	0.469	3.28	33.9	132.5	84	18.1
S077	577.69	470.9	108.8	7.75	4.42	2.23	10.2	1.425	0.573	75.9	22.2	12.4	1.325	0.585	4.19	43.7	183.5	111	22.3
S078	731.87	611.2	122.9	8.52	4.68	2.76	11.75	1.53	0.624	103	30.7	16.1	1.55	0.622	4.4	47.9	224	152.5	23.3
S079	629	513.1	118.2	8.44	4.75	2.37	10.6	1.51	0.634	81.1	24.1	13.35	1.445	0.658	4.5	48.1	201	121.5	25
S080	399	318.2	82.2	6.05	3.24	1.725	7.76	1.08	0.463	51.3	14.55	9.15	1.05	0.459	3.35	32.9	131.5	67.6	19.6
S081	410.93	320.6	92.1	6.79	3.85	1.825	8.08	1.255	0.51	52.4	14.95	9.15	1.125	0.548	3.78	38.2	127	72.8	19.15
S082	511.73	412.3	101.5	7.62	4.19	2.06	9.02	1.365	0.561	67.1	19.25	11.1	1.245	0.589	4.02	41	161.5	95.8	21.7
S083	504.07	405.1	101.0	7.53	4.1	2.15	9.15	1.34	0.547	65.5	18.85	11	1.25	0.576	3.94	40.8	160.5	92.7	21.2
S084	645.45	528.4	119.6	8.91	5.02	2.5	11.3	1.6	0.666	82.4	24.2	13.55	1.54	0.673	4.77	47	214	119.5	25
S085	591.37	474.3	119.9	9.37	5.41	2.22	10.8	1.745	0.754	70	20.2	12.35	1.525	0.754	5.26	47.4	200	104.5	27.9
S086	529.44	428.2	103.1	7.15	4.08	1.915	9.12	1.305	0.589	66.8	19.65	11.55	1.245	0.568	4.02	42.6	171	99.3	26.2
S087	587.16	479.3	110.2	8.26	4.54	2.31	10.65	1.495	0.611	79.3	23	13.25	1.42	0.626	4.31	42.5	181	116.5	20.6
S088	532.31	419.9	114.8	8.25	4.9	2.37	10.1	1.505	0.635	70.9	20.4	12.05	1.395	0.673	4.75	46.9	157.5	101.5	23
S089	489.13	389.4	101.7	7.36	4.34	1.95	8.73	1.36	0.574	63	17.9	10.55	1.23	0.578	4.11	42.1	154.5	89.1	21.9

Sample	TREO ppm	LREO ppm	HREO ppm	Dy ppm	Er ppm	Eu ppm	Gd ppm	Ho ppm	Lu ppm	Nd ppm	Pr ppm	Sm ppm	Tb ppm	Tm ppm	Yb ppm	Y ppm	Ce ppm	La ppm	Nb ppm
S090	602.33	486.5	118.3	8.42	4.96	2.3	10.35	1.535	0.66	78.2	22.3	12.6	1.405	0.685	4.91	48.5	191	114	25.7
S091	678.33	548.4	133.0	10.1	5.52	2.34	11.75	1.82	0.73	87.3	25.5	14.95	1.68	0.779	5.5	53	222	122	29.4
S092	695.74	576.8	121.3	8.67	4.77	2.53	11.3	1.545	0.675	91.2	27	14.75	1.545	0.647	4.56	48	228	134.5	25.2
S093	678.95	553.6	128.0	8.95	5.16	2.29	11	1.65	0.706	83.8	25.2	14.05	1.525	0.735	5.17	52.9	227	125	24.7
S094	680.19	569.1	113.4	8.49	4.37	2.41	10.8	1.48	0.556	88.3	26.2	14.3	1.47	0.606	4.17	43.9	231	128.5	21.4
S095	586.04	476.7	111.6	8.31	4.54	2.27	9.45	1.45	0.623	74.1	21.9	12.9	1.355	0.633	4.43	45	194.5	106.5	25
S096	404.13	320.0	85.7	6.5	3.76	1.665	7.68	1.195	0.527	52.4	14.85	8.96	1.05	0.524	3.66	34.5	126	73.5	18.2
S097	724.7	582.9	145.0	9.98	5.97	2.64	11.75	1.885	0.794	88.6	26.3	14.7	1.625	0.834	5.87	61.6	239	131.5	31.6
S098	647.75	513.9	137.0	10.2	5.7	2.3	12.4	1.875	0.852	83.4	24.6	14.15	1.73	0.799	5.76	55.6	198	122.5	33.1
S099	606.79	487.8	121.8	9.19	5.23	2.12	10.3	1.685	0.729	74.6	22.1	12.7	1.51	0.729	5.13	49.7	199	110.5	29.8
S100	748.57	617.2	134.3	9.67	5.43	2.81	12.05	1.745	0.767	95.5	27.8	15.55	1.69	0.779	5.34	53.5	257	133.5	34.9
S101	656.74	507.5	153.0	11.35	6.48	2.78	13.05	2.11	0.79	85.6	24.5	15.25	1.895	0.873	6.01	63.4	197.5	115.5	27.6
S102	550.31	457.5	94.5	6.71	3.76	2.03	8.83	1.205	0.538	67.6	20.1	11.4	1.2	0.524	3.8	37.3	193	100	21.9
S103	528.7	419.6	111.4	8.25	4.69	2.12	10.2	1.5	0.645	69.9	19.6	12.3	1.415	0.648	4.54	44.5	164.5	95.8	22.5
S104	596.66	478.7	120.6	9.08	4.96	2.4	10.7	1.645	0.673	78	23.2	12.5	1.475	0.725	5.08	48.9	184	114	27.1
S105	654.93	525.3	132.5	9.45	5.57	2.55	11.4	1.84	0.755	84.5	24.9	14.6	1.625	0.775	5.69	53.6	205	123.5	28.2
S106	608.54	498.1	112.7	7.94	4.77	2.2	10.45	1.445	0.643	77.1	22.8	12.85	1.425	0.65	4.59	45	201	114	22.6
S107	631.16	521.2	112.3	8.37	4.57	2.29	10.7	1.52	0.61	77.9	23.1	12.95	1.455	0.645	4.44	44.1	213	120	24.1
S108	713.05	596.0	119.5	8.51	4.86	2.38	11.15	1.56	0.652	87.2	26.7	14.2	1.475	0.665	4.72	47.3	252	130	23.1
S109	559.18	459.5	101.6	7.37	3.95	2.3	9.05	1.415	0.612	68.7	19.45	11.35	1.27	0.618	4.02	41	189	105.5	20.8
S110	569.38	467.2	104.3	7.43	4.29	2.22	9.15	1.48	0.661	67.4	18.65	11.35	1.295	0.667	4.16	42.4	202	100.5	20.4
S111	640.52	527.7	115.3	8.63	4.56	2.4	10.3	1.665	0.664	81.4	22.5	13.6	1.48	0.7	4.42	45.6	217	118.5	22.1
S112	613.34	493.6	122.3	8.56	4.85	2.4	10.15	1.7	0.737	76.2	21.5	12.9	1.47	0.759	4.73	51.2	200	113.5	22.5
S113	520.14	412.7	109.7	7.73	4.65	2.05	9.34	1.505	0.715	65.4	17.65	11.35	1.295	0.712	4.43	45.6	167.5	93.2	22
S114	438.75	350.0	90.5	6.61	3.52	1.875	7.73	1.275	0.54	57.4	15.1	9.94	1.085	0.552	3.59	37.1	137	82.3	18.45
S115	765.6	628.6	140.3	10	5.58	2.77	12.4	1.955	0.866	98.2	27.6	15.95	1.75	0.884	5.62	56.3	251	147	25.3
S116	781.23	646.7	137.5	9.51	5.19	2.79	11.2	1.905	0.827	95.2	26.3	16.1	1.655	0.845	5.42	56.4	278	138.5	28.3
S117	647.79	527.6	123.1	9.11	4.94	2.32	10.45	1.75	0.745	75.8	21.6	13.05	1.52	0.819	5.06	50.3	226	115.5	24.9
S118	692.54	570.8	124.4	8.82	4.77	2.44	10.75	1.745	0.762	84.8	23.4	14.25	1.56	0.769	5.03	50.4	238	129	23
S119	567.17	444.9	125.2	9.72	5.01	1.44	10.7	1.865	0.735	70.9	18.95	12.3	1.625	0.763	4.72	52.7	183.5	97.1	38.5
S120	521.51	341.3	185.9	14.1	7.69	1.375	12.9	2.84	1.175	59.8	15.35	12.9	2.23	1.235	7.79	84.9	133	76.4	46.9

Sample	TREO ppm	LREO ppm	HREO ppm	Dy ppm	Er ppm	Eu ppm	Gd ppm	Ho ppm	Lu ppm	Nd ppm	Pr ppm	Sm ppm	Tb ppm	Tm ppm	Yb ppm	Y ppm	Ce ppm	La ppm	Nb ppm
S121	497.15	357.5	143.4	10.95	5.88	1.515	10.8	2.17	0.914	54.9	14.75	11.8	1.76	0.93	6.11	63	156	71.6	39.5
S122	542.3	348.5	200.8	16.2	8.83	1.425	15.35	3.17	1.285	60.7	16.3	13.65	2.58	1.37	8.7	88.2	132	81.7	58
S123	779.83	596.1	189.5	14.2	7.95	1.87	15.35	2.84	1.165	89.7	24.3	16.45	2.29	1.23	7.56	81.6	253	129	43
S124	556.97	371.0	192.2	14.55	8.41	1.515	13	3.01	1.325	61.1	16.1	13.1	2.31	1.36	8.65	86.8	148	84	52.3
S125	576.94	458.2	121.5	9.24	4.77	1.805	10.75	1.745	0.676	66.6	18.3	12	1.61	0.731	4.54	50.8	198	98.2	24.6
S126	477.23	372.3	107.0	7.69	4.1	1.515	8.78	1.52	0.605	58.6	15.6	10.95	1.345	0.628	4.01	45.9	152	83.9	27.5
S127	539.64	423.2	119.0	8.47	4.57	1.71	10.1	1.695	0.705	65.4	17.6	11.95	1.49	0.728	4.68	50.6	176	93.3	26.7
S128	836.4	715.9	122.9	8.52	4.44	2.38	12.15	1.61	0.685	105.5	29.9	16.8	1.61	0.683	4.13	47.4	300	160.5	26.5
S129	562.38	424.3	141.5	10.75	5.41	1.535	12.4	1.98	0.8	69.1	18.95	14.3	1.88	0.825	5.36	59.4	170	95.5	54.2
S130	598.17	478.3	122.5	8.99	4.76	1.675	10.85	1.75	0.721	68.8	19.45	12.9	1.63	0.744	4.67	50.9	209	100.5	36.3
S131	480.54	345.8	138.2	10.4	5.92	1.455	10.7	2.08	0.876	55.6	14.9	11.65	1.7	0.9	5.65	60.4	142	75.5	40.7
S132	561.5	410.7	155.2	12.05	6.48	1.44	12.4	2.37	0.994	64.4	17.5	13.2	2.03	1.04	6.52	66.7	173	86.9	41
S133	655.99	497.3	163.2	12.5	6.68	1.815	13.6	2.46	1	78	20.5	14.8	2.14	1.03	6.53	69.2	208	107.5	57.1
S134	666.72	484.7	188.0	14.65	7.87	1.64	13.95	2.84	1.1	76.2	20.7	15.35	2.39	1.24	7.61	82.3	204	102.5	71.1
S135	488.88	358.5	133.4	9.43	5.15	1.57	10.3	1.87	0.785	57.6	15.7	11.3	1.655	0.806	5.31	59.8	143	82.4	29.7
S136	695.11	519.1	181.5	14.15	7.47	1.83	14.7	2.77	1.1	84.7	23.4	16.2	2.36	1.145	6.99	77.4	206	118.5	41.8
S137	530.08	389.7	144.0	10.75	5.74	1.58	10.95	2.16	0.949	62.5	16.6	12.3	1.755	0.908	6.1	63.2	158.5	87	38.8
S138	721.53	562.9	163.2	12.7	6.39	2.02	14.1	2.39	1	83.6	23.3	15.7	2.14	1.02	6.58	67.8	239	122.5	36.6
S139	595.23	458.4	140.3	10.5	5.5	1.65	11.35	2.03	0.848	69.2	18.4	12.95	1.77	0.871	5.54	60.5	196	97.8	37.7
S140	450.86	353.8	99.2	7.61	4.07	1.585	8.74	1.475	0.659	55.8	15	10.3	1.335	0.654	4.32	40.1	144	79.9	24.7
S141	676.16	562.8	115.6	8.33	4.04	1.87	11.1	1.525	0.589	84.4	23.1	14.55	1.525	0.608	3.96	46.2	235	126	29.7
S142	426.15	330.8	97.3	7.42	3.89	1.36	8.65	1.425	0.588	49.2	13.35	9.33	1.315	0.608	3.85	40.8	139	73.8	26.5
S143	452.81	332.3	123.5	9.75	4.91	1.465	10.65	1.81	0.779	53.7	14.5	11.2	1.655	0.784	5.12	52	133	75.7	34.2
S144	814.08	676.1	141.6	11.1	5.57	2.01	14.5	2.1	0.849	104	30	17.5	2.02	0.869	5.48	53.2	278	151	38.1
S145	529.57	415.2	116.9	8.78	4.76	1.79	10.35	1.64	0.625	63.8	18.15	12.1	1.5	0.665	4.45	48.4	174	89.6	29.3
S146	881.3	702.3	184.3	14.35	7.65	2.2	16.65	2.66	0.966	107.5	31.5	19.05	2.38	1.06	7.01	74.9	294	151.5	43.1
S147	786.91	589.8	203.8	16.2	9.02	2.04	16.55	3.1	1.165	90.6	26.2	17.6	2.57	1.28	8.51	85.7	249	125	51.8
S148	905.47	732.8	177.7	13.85	7.46	2.43	16.65	2.59	0.995	117	35.7	20.9	2.37	1.05	6.94	68.7	300	157.5	47.6
S149	598.54	457.0	145.2	11.2	6.04	1.89	13.1	2.11	0.812	82.4	24	15.15	1.84	0.857	5.88	58.9	157.5	118	47
S150	437.92	324.0	116.8	9.13	5.49	1.52	9.33	1.78	0.771	52.2	14.95	10.3	1.455	0.794	5.52	48.7	131.5	71.2	37.4
S151	544.68	420.2	127.6	10.05	5.67	1.58	11.25	1.945	0.788	62.6	18.2	12.35	1.66	0.814	5.6	51.9	181.5	87.2	43.4

Sample	TREO ppm	LREO ppm	HREO ppm	Dy ppm	Er ppm	Eu ppm	Gd ppm	Ho ppm	Lu ppm	Nd ppm	Pr ppm	Sm ppm	Tb ppm	Tm ppm	Yb ppm	Y ppm	Ce ppm	La ppm	Nb ppm
S152	491.41	404.6	88.4	6.6	3.53	1.75	8.44	1.22	0.482	58.8	17.1	10.35	1.15	0.49	3.42	34.9	172	88.7	22.9
S153	527.81	437.4	92.2	7.16	3.83	1.51	9.09	1.33	0.524	63.6	19.1	11	1.245	0.548	3.65	35.5	180.5	101	31.3
S154	508.55	404.6	106.1	8.24	4.26	1.575	9.98	1.475	0.587	59.9	17.4	11.5	1.44	0.592	4.1	42.7	171.5	87.9	33.2
S155	511.91	407.6	106.5	8.22	4.16	1.68	10.6	1.485	0.553	62.5	17.9	12.4	1.465	0.59	3.92	41.8	170	88.9	38.8
S156	638.99	524.8	116.7	9.01	4.78	2.16	11.2	1.68	0.614	77.3	22.7	13.4	1.55	0.66	4.38	45.7	226	110.5	29.5
S157	551.91	439.0	115.3	8.68	4.54	1.925	10.85	1.6	0.613	69.7	20.2	12.75	1.51	0.643	4.39	46.4	173.5	102.5	29.7
S158	545.72	422.1	126.9	10.05	5.85	1.79	10.75	1.905	0.811	59	16.75	11.7	1.635	0.84	5.71	51.9	195	79.7	44.7
S159	638.59	517.4	124.0	9.63	5.02	2.09	11.85	1.785	0.685	78.2	22.9	14.25	1.655	0.683	4.6	48.7	217	112.5	35.1
S160	748.99	614.5	138.0	11.2	5.62	2.33	12.7	1.98	0.738	93.9	27.6	15.75	1.815	0.791	5.13	54	256	134	34.7
S161	443.11	354.8	90.1	6.98	3.81	1.53	8.3	1.345	0.504	54.7	15.95	10	1.185	0.542	3.68	35.7	147.5	77.2	25.3
S162	611.74	484.6	130.1	9.69	5.32	1.875	11.85	1.885	0.745	75.3	21.8	14.2	1.65	0.774	5.23	52.6	197	109.5	35.5
S163	497.51	388.7	111.2	8.54	4.61	1.735	10.45	1.615	0.606	63	18.5	12	1.475	0.656	4.45	44.5	153.5	88.9	33.3
S164	533.81	434.7	101.1	7.54	3.94	1.935	10.05	1.39	0.575	65.9	19.2	11.95	1.34	0.578	3.92	39.4	175.5	101.5	27
S165	634.29	508.4	128.9	9.69	5.29	2.04	12	1.795	0.813	76.6	22.8	14.35	1.69	0.778	5.56	50.9	207	117	36.6
S166	658.21	549.4	111.1	8.36	4.34	2.15	11.3	1.55	0.603	84.3	25.3	14.7	1.51	0.614	4.23	41.5	222	126	31.3
S167	660.89	549.5	113.6	8.49	4.34	2.14	11.6	1.56	0.589	84.2	25	14.65	1.545	0.615	4.14	43.2	223	125.5	36.1
S168	492.52	389.3	105.4	8.1	4.39	1.695	9.88	1.5	0.588	62.1	18	11.5	1.39	0.602	4.18	42.1	157	87.2	36.8
S169	711.1	587.1	126.7	9.46	4.89	2.44	12.65	1.745	0.664	88.8	26.6	15.9	1.69	0.679	4.65	48.6	240	133.5	37.9
S170	563.54	458.7	107.0	8.21	4.17	1.81	10.35	1.49	0.544	70.1	20.5	12.75	1.46	0.583	4.07	41.9	185	106.5	28.1
S171	483.78	394.2	91.2	6.79	3.68	1.75	8.84	1.27	0.503	61.4	18.1	10.95	1.2	0.52	3.54	35.6	156.5	92.5	22.1
S172	691.71	576.1	118.0	8.63	4.56	2.19	11.65	1.59	0.618	86.3	25.7	15.3	1.54	0.643	4.28	45.4	240	127.5	29.9
S173	456.29	361.0	97.4	7.57	4.31	1.625	8.88	1.435	0.587	54.4	15.9	10.55	1.295	0.606	4.09	38.5	154	76	27.3
S174	527.09	419.2	110.7	9.75	4.54	1.875	10	1.6	0.612	68.2	19.95	12.05	1.42	0.656	4.37	43.1	163	98.3	25
S175	221.61	166.0	56.6	4.37	2.54	0.949	4.9	0.861	0.376	27.9	7.88	5.42	0.7	0.38	2.63	23.2	66.7	35.8	14.15
S176	549.4	468.6	82.2	6.18	3.35	1.675	8.55	1.155	0.474	66.6	19.55	11.4	1.125	0.491	3.26	29.9	211	92.2	27.3
S177	554.44	448.8	108.0	8.19	4.56	1.635	10	1.54	0.701	62.2	18.3	11.8	1.415	0.694	4.75	42.8	197	95.6	33.3
S178	545.81	443.6	104.3	8.1	4.13	1.77	10.2	1.465	0.565	64	18.85	11.95	1.415	0.584	4.06	40.9	189.5	96.7	31.5
S179	644.31	525.8	121.1	9.12	4.72	2.1	11.7	1.715	0.684	81	24.1	14.45	1.605	0.682	4.66	47.3	210	123	34
S180	753.58	614.9	142.0	10.6	5.54	2.26	13.9	1.955	0.716	93.6	27.5	16.95	1.875	0.773	5.14	55.8	250	141	41.3
S181	475.84	374.3	103.8	7.86	4.27	1.445	9.05	1.435	0.69	59.9	16.55	10.65	1.235	0.637	4.41	42.8	147.5	88	27.9
S182	658.63	551.6	109.3	8.19	4.27	1.7	10.7	1.475	0.64	79.2	22.7	13.2	1.405	0.631	4.32	42.7	235	122	30.9

Sample	TREO ppm	LREO ppm	HREO ppm	Dy ppm	Er ppm	Eu ppm	Gd ppm	Ho ppm	Lu ppm	Nd ppm	Pr ppm	Sm ppm	Tb ppm	Tm ppm	Yb ppm	Y ppm	Ce ppm	La ppm	Nb ppm
S183	679.38	566.3	115.6	8.65	4.62	1.84	10.6	1.53	0.687	84.1	23.6	13.85	1.42	0.66	4.54	45.8	240	123.5	31.8
S184	571.42	466.5	107.1	8.15	4.34	1.87	10.35	1.475	0.615	77.1	21.5	12.95	1.335	0.599	4.16	41.6	178	112.5	25.4
S185	582.15	491.0	92.8	6.86	3.58	1.795	9.08	1.205	0.523	77.9	22.1	11.85	1.14	0.503	3.53	35.9	188	121.5	21
S186	568.57	446.0	125.4	9.28	5.05	2.02	11	1.69	0.75	76.9	21.3	12.8	1.47	0.741	4.86	52.2	165.5	108.5	21.6
S187	553.21	454.3	101.0	7.81	4.03	1.5	9.62	1.44	0.606	69.2	19.7	11.7	1.25	0.589	4.04	39.8	185	104.5	24.8
S188	790.21	658.6	134.6	9.9	5.34	2.11	13	1.76	0.869	97.3	27.4	16.15	1.64	0.772	5.51	52.6	276	147.5	42.3
S189	440.87	367.1	75.1	5.6	3.01	1.38	7.02	1.015	0.449	54.8	15.4	9.16	0.924	0.433	2.97	29.5	153	82.4	19.55
S190	750.48	621.3	132.1	10	5.02	2.06	12.7	1.725	0.726	97.8	27.8	16.05	1.685	0.716	4.85	52	240	152.5	40.2
S191	731.61	606.9	127.6	9.46	5.15	2.09	11.85	1.7	0.813	93	26.4	15.05	1.52	0.756	5.36	50.2	248	138	30.2
S192	596.28	490.9	107.7	8.17	4.4	2.04	9.92	1.465	0.665	74.8	21	12.35	1.3	0.627	4.37	42.5	201	112	28.1
S193	473.38	361.1	114.8	8.91	4.9	1.41	9.92	1.635	0.747	57.5	15.9	11.05	1.42	0.697	5.02	47.6	147	80.4	36.6
S194	462.12	370.7	93.3	7	4.07	1.51	8.18	1.335	0.658	54.1	15	9.55	1.115	0.611	4.31	37.8	161	78.2	26.8
S195	362.71	282.2	82.1	6.32	3.45	1.055	6.81	1.12	0.541	42.7	12.1	7.89	0.976	0.515	3.53	34.7	115.5	64.7	25.7
S196	599.22	500.1	101.2	7.77	4.09	1.72	9.43	1.375	0.595	73.7	20.9	11.9	1.235	0.596	3.96	39.9	213	108.5	25.2
S197	587.08	490.4	98.6	7.43	3.82	1.8	9.57	1.315	0.545	75.9	21.7	12.1	1.21	0.555	3.59	38.6	196.5	114.5	21.1
S198	611.84	483.0	131.8	9.58	5.32	2.2	11.1	1.795	0.764	81.8	22.6	13.7	1.495	0.77	5.2	55.1	183.5	115	22.6
S199	648.2	533.0	117.7	8.96	4.63	1.57	11.25	1.58	0.64	82.5	23.4	13.6	1.46	0.645	4.4	47.1	218	120	33
S200	410.32	330.3	81.6	5.92	3.43	1.54	7.26	1.12	0.561	54.2	14.95	9.06	0.961	0.514	3.63	32.7	126.5	79.8	21
S201	381.05	312.4	69.9	5.16	2.91	1.36	6.41	0.947	0.451	47.3	13.1	7.9	0.834	0.421	3.13	27.7	129	70.7	17.5
S202	701.41	574.9	129.4	9.66	5.07	2.06	12.8	1.685	0.766	90.3	25.3	15.7	1.635	0.727	5.15	50.2	228	135.5	40.5
S203	732.39	615.3	119.7	9.33	4.83	1.875	11.2	1.655	0.646	97.3	28.9	14.6	1.485	0.671	4.44	46.8	245	141.5	31.6
S204	611.89	505.0	109.1	8	4.39	2.04	10.1	1.445	0.635	74.7	21.1	12.3	1.315	0.625	4.28	43.8	213	111.5	27.8
S205	745.91	614.6	134.4	10.05	5.52	2.17	12.1	1.82	0.864	91.3	26.1	15.1	1.64	0.8	5.67	53.6	261	133	36.5
S206	827.91	701.9	129.1	10.1	4.95	2.01	12.3	1.63	0.787	103	30.9	16.3	1.535	0.736	5.05	49.7	299	151	33.1
S207	622.83	521.1	103.8	7.84	4.1	1.735	9.94	1.4	0.605	77.5	22.3	12.95	1.27	0.571	4.05	40.3	217	117	26.8
S208	585.48	492.6	94.8	7.37	3.68	1.675	9.32	1.27	0.562	71.8	20.5	11.8	1.22	0.541	3.66	36.4	210	107.5	24.3
S209	558.27	446.8	114.0	8.78	4.74	1.72	10.1	1.62	0.694	70	19.65	12	1.415	0.66	4.62	46.4	181	101.5	26.4
S210	246	194.2	52.6	3.96	2.21	0.892	4.49	0.723	0.343	30.6	8.38	5.32	0.611	0.331	2.27	21.9	79	43.8	12.1
S211	578.11	472.9	107.4	8	4.26	1.76	9.84	1.465	0.646	72.3	19.9	12.15	1.31	0.607	4.31	43.2	196.5	105	25.2
S212	518.85	427.0	93.6	6.75	3.73	1.64	8.47	1.23	0.633	65.7	18.65	10.7	1.115	0.569	4.07	37.6	169	102.5	24.2
S213	711.2	600.8	112.6	8.27	4.09	2.12	11.55	1.425	0.651	89.4	25	14.95	1.445	0.594	4.25	42.7	256	129.5	34.1

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S214	469.98	367.2	105.0	7.73	4.22	1.555	9.46	1.41	0.647	58	16	10.65	1.27	0.632	4.29	43.6	145.5	86.5	28.7
S215	465.44	373.8	93.5	7.07	3.79	1.585	8.57	1.275	0.588	61.9	17.2	10.3	1.15	0.542	3.85	37.6	143.5	89.1	22.5
S216	665	527.7	141.0	11.1	5.97	1.725	12.4	1.96	0.998	74.7	20.9	13.75	1.75	0.901	6.43	57.3	235	108	61.6
S217	531.98	439.5	94.4	7.32	3.98	1.945	8.87	1.345	0.571	63.2	18.85	11.2	1.28	0.575	3.92	36.2	186.5	97.1	25.9
S218	572.42	473.0	101.5	7.73	4.36	1.98	9.46	1.475	0.604	69.7	20.5	12.4	1.36	0.614	4.09	38.9	197.5	106	25.9
S219	547.14	444.1	105.2	8.04	4.43	2.02	9.83	1.49	0.611	71.3	21	12.7	1.43	0.624	4.27	40.5	171.5	106.5	28
S220	517.47	426.7	92.6	7.02	3.93	1.795	8.61	1.34	0.551	64.1	19.05	10.95	1.27	0.569	3.82	35.9	175.5	96.6	23.2
S221	581.16	473.0	110.5	8.38	4.59	2.08	10.4	1.56	0.613	76.2	22.1	13.45	1.495	0.649	4.4	42.6	184.5	111.5	24
S222	398.64	309.6	90.9	6.83	3.89	1.68	7.77	1.305	0.573	50.5	14.6	9.72	1.18	0.578	4.74	36	122	70.9	20.7
S223	633.12	541.9	92.9	7.1	3.61	2.19	9.48	1.305	0.42	78.8	23.1	13.2	1.285	0.505	3.21	33.9	230	119	19.45
S224	644.3	540.3	106.1	7.8	4.44	2.21	9.85	1.48	0.653	78.7	23.5	13.35	1.4	0.629	4.36	40.6	226	121.5	23.7
S225	568.25	467.3	103.1	7.72	4.36	1.975	9.46	1.455	0.627	68.6	20.3	12.2	1.37	0.629	4.42	40	196	104	29.8
S226	515.13	428.7	88.1	6.77	3.61	1.815	8.51	1.225	0.466	64	18.7	11.4	1.21	0.511	3.34	33.3	179.5	94.6	23.6
S227	558.81	465.1	95.5	7.1	3.79	1.79	9.22	1.305	0.479	72.6	21.5	12.2	1.27	0.539	3.44	37	183.5	110	26.4
S228	459.04	360.4	100.7	7.7	4.33	1.765	8.94	1.465	0.611	58.7	16.9	11	1.32	0.613	4.08	40.3	140	84.9	25
S229	610.87	501.1	112.1	8.46	4.59	2.17	10.6	1.595	0.585	77.9	22.5	14.25	1.505	0.657	4.25	42.9	203	114	27.9
S230	404.12	314.5	91.5	6.97	4.02	1.64	7.74	1.34	0.57	51	14.8	9.48	1.185	0.587	4.01	37.1	122	74.4	25.1
S231	524.25	425.3	101.0	7.68	4.28	1.94	9.17	1.455	0.592	66.7	19.8	11.8	1.345	0.604	4.22	39.4	167	101	29.5
S232	493.73	393.8	102.1	7.95	4.26	1.88	9.37	1.46	0.558	62.8	18.4	11.45	1.4	0.599	3.93	40.4	153	94.1	27
S233	194.64	143.0	52.5	4	2.47	0.982	4.27	0.82	0.348	25.2	7.01	5.09	0.649	0.357	2.5	21.5	54.2	32.9	10.9
S234	629.38	527.9	103.5	7.68	4.16	2.06	10.2	1.44	0.575	79	23.5	13.65	1.415	0.592	3.94	39	218	119	22.5
S235	513.32	432.5	82.3	6.25	3.23	1.845	7.99	1.165	0.417	64.5	19	10.9	1.13	0.457	2.95	31.1	178.5	98.1	19.6
S236	589.17	492.1	99.0	7.35	4.04	1.95	9.56	1.365	0.583	72.8	21.5	12.6	1.34	0.59	3.95	37.7	201	114.5	24.4
S237	451.1	374.2	78.2	5.7	3.25	1.66	7.29	1.105	0.483	53.8	16	9.5	1.035	0.478	3.2	30.4	158.5	83.1	20.3
S238	702.23	593.5	110.9	8.3	4.35	2.66	11	1.51	0.516	91.1	26.7	15.4	1.505	0.582	3.7	41.2	242	134.5	25.4
S239	729.46	607.4	124.8	9.4	5.16	2.42	11.85	1.775	0.656	95.6	30.3	15.85	1.695	0.72	4.72	47.6	234	146.5	33.2
S240	519.69	421.3	100.4	7.64	4.13	1.965	9.48	1.405	0.611	65.1	19.05	12.1	1.365	0.618	3.96	38.8	168	98.9	30.4
S241	533.42	433.6	101.9	7.93	4.27	1.895	9.75	1.475	0.567	67.6	19.75	12.4	1.395	0.586	3.87	39.1	172	102	25.6
S242	435.31	312.1	126.6	9.99	6.14	1.54	9.82	2	0.853	49.5	14	10.65	1.625	0.913	6.16	52.9	127	69.4	40.3
S243	607.87	497.3	113.0	8.67	4.73	2.22	10.25	1.63	0.636	74.8	22.1	13.6	1.54	0.677	4.57	43.7	208	109	28.9
S244	654.23	524.6	132.9	10.55	5.62	1.97	12.15	1.99	0.741	79.4	23.3	14.95	1.85	0.802	5.32	52.1	218	116	35.6

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S245	575.53	476.5	101.1	7.73	4.17	1.985	9.51	1.415	0.56	72.4	21.3	12.95	1.355	0.581	3.9	38.5	196.5	106.5	23.2
S246	483.59	393.6	91.8	6.85	3.79	1.755	8.5	1.315	0.519	60.7	17.75	10.9	1.22	0.546	3.64	36	156.5	93	20.1
S247	554.82	473.4	82.9	6.3	3.26	1.935	8.42	1.13	0.403	69.9	20.7	11.65	1.14	0.446	2.86	30.5	195.5	108	18.95
S248	503.08	425.9	78.5	5.65	3.16	1.8	7.53	1.095	0.455	61	18	10.4	1.045	0.462	3.16	29.7	179.5	95.9	19.25
S249	505.44	416.4	90.7	6.67	3.68	1.905	8.68	1.245	0.514	65.1	19.1	11.4	1.205	0.532	3.67	34.8	160.5	102.5	22.6
S250	426.35	351.2	76.5	5.65	3.19	1.585	6.98	1.08	0.445	50.5	14.65	9.19	0.977	0.46	3.2	29.9	150.5	76.5	20.1
S251	477.22	383.2	96.0	7.49	4.04	1.835	8.93	1.4	0.57	59.7	17.65	11.2	1.295	0.589	3.99	37.1	151.5	90.5	26.1
S252	658	549.1	111.2	8.43	4.5	2.3	10.9	1.54	0.606	84.1	24.9	14.5	1.535	0.644	4.24	41.7	220	128.5	28.8
S253	472.54	389.8	84.3	6.48	3.47	1.785	8.36	1.23	0.441	63.7	17.7	10.6	1.115	0.475	2.99	32.1	149	94.7	19.1
S254	511.52	411.0	102.8	8.01	4.36	1.845	9.2	1.52	0.607	67	18.85	11.55	1.295	0.619	3.97	40.8	155	102	24.1
S255	470.73	351.8	122.0	10.05	5.46	1.515	10.25	1.9	0.715	56.6	15.65	11.35	1.575	0.766	4.78	50.5	139	82	42.7
S256	183.67	131.8	52.8	4.15	2.53	0.931	4.4	0.833	0.341	24.3	6.37	4.8	0.643	0.361	2.37	21.8	50.2	29.1	10.05
S257	510.95	413.2	99.9	7.81	4.17	1.69	9.54	1.46	0.561	63.2	17.3	11.35	1.295	0.599	3.8	39.2	169.5	94.1	23.8
S258	494.18	411.1	84.7	6.39	3.55	1.7	7.91	1.225	0.505	59.9	16.65	10.15	1.07	0.508	3.29	33	174.5	91	20.6
S259	529.1	441.6	89.1	6.8	3.56	1.89	8.52	1.265	0.448	66.7	18.5	11.25	1.16	0.493	3.14	34.4	182.5	100	20.1
S260	500.8	411.8	90.7	6.8	3.88	1.8	7.93	1.305	0.503	59.3	16.45	10.25	1.095	0.518	3.36	36.6	175.5	91.4	20.9
S261	735.77	619.1	119.2	8.89	4.86	2.4	11.35	1.675	0.679	90.2	25.6	15.25	1.52	0.678	4.54	45.5	259	140.5	24.7
S262	471.72	380.0	93.5	6.88	3.86	1.7	8.48	1.33	0.561	58.7	16.25	10.5	1.17	0.554	3.65	37.7	153	88.6	22.9
S263	480.88	389.2	93.5	7.23	3.96	1.84	8.86	1.365	0.531	63.1	17.35	10.95	1.21	0.564	3.51	36.4	153	91	24
S264	593.04	489.3	106.0	8.1	4.4	2.09	10.2	1.53	0.598	76	21	12.95	1.38	0.628	3.97	40.7	200	110.5	26.1
S265	581.76	485.9	97.8	7.49	3.9	1.915	9.82	1.405	0.537	71	20	12.35	1.285	0.574	3.6	37.1	203	110.5	24.2
S266	403.37	323.5	81.4	6.18	3.53	1.575	7.37	1.2	0.492	51.1	14.1	8.95	0.999	0.489	3.21	32.5	129	75.4	18.45
S267	396.89	309.9	88.9	7.14	4.04	1.465	7.54	1.35	0.512	48.9	13.3	8.97	1.11	0.559	3.53	36.2	126.5	69.4	28
S268	470.55	381.6	90.7	6.93	3.8	1.695	8.14	1.315	0.52	59	16.7	10.35	1.145	0.531	3.45	36.2	151.5	90.8	22.6
S269	426.55	344.4	83.8	6.41	3.53	1.575	7.64	1.22	0.486	53.9	15	9.53	1.1	0.502	3.17	33.3	138.5	79.5	19.95
S270	496.82	407.7	90.9	7.01	3.72	1.65	9.08	1.285	0.491	65	18	11.35	1.21	0.51	3.25	34.8	158.5	98.4	21.9
S271	573.99	479.4	96.5	7.29	3.94	2.1	9.21	1.385	0.5	71.6	19.85	12.15	1.255	0.547	3.32	37.2	202	105.5	20.9
S272	513.59	424.8	90.6	7.09	3.67	1.85	8.37	1.26	0.542	64.9	18.2	11	1.115	0.528	3.47	35.1	172	98.8	23.5
S273	658.4	552.4	108.2	7.85	4.23	2.03	10.5	1.465	0.655	81.8	23.3	13.95	1.35	0.641	4.18	41.6	224	131	24.9
S274	433.64	357.4	77.7	5.88	3.38	1.655	7.25	1.125	0.485	54.9	15.3	9.62	0.962	0.471	3.11	29.7	145	82.5	18.1
S275	449.45	368.6	82.4	6.32	3.45	1.665	7.78	1.215	0.457	56.5	16	9.83	1.05	0.494	3.17	32	150	84.5	20.6

Sample	TREO ppm	LREO ppm	HREO ppm	Dy ppm	Er ppm	Eu ppm	Gd ppm	Ho ppm	Lu ppm	Nd ppm	Pr ppm	Sm ppm	Tb ppm	Tm ppm	Yb ppm	Y ppm	Ce ppm	La ppm	Nb ppm
S276	572.5	463.8	111.0	8.66	4.52	1.985	10.65	1.6	0.612	74.8	21	13.45	1.465	0.627	4.13	42.9	178.5	112.5	28.2
S277	688.53	574.1	116.9	8.77	4.69	2.41	11.1	1.625	0.691	84.7	24.4	14.65	1.51	0.655	4.41	44.9	235	134	29.7
S278	511.44	424.7	88.5	6.82	3.7	1.82	8.67	1.295	0.506	64.9	18.3	11.15	1.145	0.52	3.39	33.4	171.5	99.1	20.3
S279	419.87	341.9	79.4	6.19	3.3	1.605	7.84	1.165	0.472	55.1	15.55	9.78	1.04	0.465	3.01	30.2	131	83.5	18.05
S280	549.47	460.1	91.0	6.83	3.69	1.795	9.04	1.275	0.494	67.9	19.3	11.8	1.165	0.519	3.32	34.6	188.5	107.5	22.3
S281	575.45	472.2	105.4	8.15	4.23	2.05	10.1	1.49	0.533	74.8	20.8	13	1.355	0.574	3.64	40.9	186	112	24.8
S282	418.46	338.1	82.0	6.34	3.53	1.435	7.86	1.225	0.506	51.5	14.55	9.55	1.07	0.512	3.36	31.7	138	77.5	20.6
S283	557.02	460.6	98.3	7.42	4.03	1.93	9.45	1.42	0.544	72.9	20.5	12.4	1.235	0.565	3.49	37.9	182	108.5	19.5
S284	589.48	498.0	93.2	6.57	3.84	1.97	8.85	1.305	0.592	75.4	21.1	12.05	1.13	0.572	3.76	35.7	198.5	120	22.7
S285	501.69	413.5	89.9	6.65	3.93	1.77	8.4	1.3	0.522	62.6	17.35	10.65	1.125	0.549	3.57	35.1	167	97.5	19.55
S286	471.43	386.6	86.4	6.49	3.66	1.795	8.21	1.24	0.473	59.1	16.4	10.45	1.1	0.5	3.22	33.6	157	89.5	20.3
S287	435.06	353.6	82.9	6.26	3.43	1.65	7.79	1.21	0.471	56	15.5	9.94	1.045	0.472	3.09	32.5	140.5	82.7	19.95
S288	496.51	394.0	104.7	8.13	4.31	1.84	9.81	1.51	0.604	63.9	17.8	11.85	1.36	0.603	3.97	41.4	151	95.9	25.2
S289	589.63	490.2	101.5	8.06	4.06	1.995	9.75	1.405	0.574	71.3	23.1	14.15	1.37	0.564	3.84	37.3	195.5	118.5	28.1
S290	237.66	178.3	60.5	4.82	2.7	1.135	4.79	0.94	0.463	26.8	8.07	5.81	0.765	0.413	2.72	24.9	76.6	36.8	11.75
S291	554.59	465.7	90.6	7.02	3.81	1.83	8.58	1.275	0.553	63	20.5	12.45	1.22	0.52	3.5	33.5	196.5	107.5	22.6
S292	465.99	381.3	86.4	6.71	3.61	1.65	7.88	1.2	0.514	53.9	16.95	10.95	1.14	0.509	3.41	33.1	159	87.5	23.4
S293	414.45	334.4	81.5	6.34	3.5	1.585	7.01	1.155	0.477	47.3	14.65	9.9	1.065	0.492	3.27	31.9	140	76.4	19.85
S294	349.19	276.6	74.1	5.8	3.22	1.365	6.05	1.08	0.507	39.3	12.3	8.09	0.923	0.485	3.31	29.7	117	61.5	19.5
S295	534.66	445.0	91.4	6.95	3.66	1.95	8.27	1.26	0.509	64.9	20.5	12.25	1.155	0.529	3.45	34.8	175	110.5	23.3
S296	499.79	410.0	91.6	7.12	3.79	1.975	8.15	1.305	0.566	57.6	18.25	11.55	1.185	0.534	3.64	35.1	166.5	99.1	23.7
S297	531.19	436.2	97.0	7.57	3.87	2.05	9.1	1.38	0.586	64.3	20.7	12.45	1.29	0.566	3.61	36.8	172	106.5	21.5
S298	456.88	377.6	80.7	6.08	3.33	1.865	7.23	1.125	0.486	55.3	17.5	10.8	0.998	0.474	3.16	30.6	149	92.9	17.95
S299	560.67	471.4	91.0	7.07	3.68	1.885	8.44	1.255	0.491	67.8	21.8	12.85	1.21	0.496	3.27	33.9	190.5	112.5	23.2
S300	645.33	546.9	100.3	7.54	3.99	2.12	9.48	1.36	0.563	76.3	24.5	14.65	1.33	0.554	3.72	36.9	226	128.5	25.7
S301	486.11	404.4	83.3	6.39	3.5	1.63	7.39	1.175	0.55	54.7	17.15	10.85	1.06	0.511	3.45	31.7	172	92.6	23.5
S302	597.62	488.9	111.2	8.78	4.69	1.88	10.1	1.565	0.74	69.5	22.1	14.1	1.5	0.692	4.64	42.1	200	115.5	27.7
S303	619.23	519.7	101.6	8.03	4.13	2.25	9.47	1.45	0.531	70.4	22	13.5	1.34	0.559	3.57	38.2	221	119	21.6
S304	562.72	467.7	97.0	7.6	3.82	1.815	9.33	1.345	0.592	63.1	20.4	13.3	1.335	0.546	3.71	36	200	105.5	27.8
S305	540.94	452.0	90.7	6.8	3.83	1.955	8.11	1.255	0.566	63.6	20.3	12.25	1.13	0.554	3.61	34.2	184.5	108	21.3
S306	528.24	442.0	87.9	6.6	3.52	1.97	7.78	1.16	0.535	61.7	20	11.9	1.09	0.508	4.81	32.2	178	108.5	19.5

Sample	TREO ppm	LREO ppm	HREO ppm	Dy ppm	Er ppm	Eu ppm	Gd ppm	Ho ppm	Lu ppm	Nd ppm	Pr ppm	Sm ppm	Tb ppm	Tm ppm	Yb ppm	Y ppm	Ce ppm	La ppm	Nb ppm
S307	512.15	423.9	89.9	6.78	3.67	2.07	8.29	1.245	0.547	63.5	20	12.4	1.145	0.534	3.52	33.5	162.5	107.5	20.2
S308	488.12	404.5	85.3	6.46	3.63	1.95	7.49	1.18	0.547	56.1	18	11.25	1.06	0.509	3.68	32.1	169.5	93	20.5
S309	464.82	386.2	80.2	6.22	3.47	1.78	7.1	1.14	0.507	52.8	16.9	10.4	1.045	0.5	3.34	30.2	163.5	88.1	18.85
S310	445.3	372.2	74.4	5.84	3.1	1.615	6.99	1.03	0.433	54.3	17.65	10.4	0.999	0.426	2.85	27.4	143	95.4	20.7
S311	465.19	384.0	82.8	6.33	3.59	1.82	7.4	1.175	0.522	52.9	16.55	10.55	1.045	0.536	3.41	31.4	164.5	85.5	17.6
S312	527.48	424.5	105.3	8.27	4.52	1.885	9	1.54	0.625	58.3	18.3	12.45	1.355	0.66	4.05	41.5	181.5	95	21.3
S313	470.82	386.4	86.2	6.93	3.66	1.62	7.79	1.225	0.557	50	15.95	10.6	1.15	0.52	3.85	32.6	173	82.1	22
S314	935.22	824.2	113.1	7.82	4.17	2.77	11.25	1.38	0.615	107	35.3	19.3	1.43	0.613	4.08	39.5	358	185	27
S315	850.04	729.5	122.9	8.54	4.45	2.58	10.95	1.535	0.678	99.6	32.3	18	1.455	0.642	4.29	47.3	310	165	26.9
S316	444.4	355.4	90.8	6.82	3.92	1.85	7.27	1.305	0.614	50.1	15.6	10.9	1.09	0.579	3.97	35.9	148	82.1	20.5
S317	556.83	477.7	80.6	6.08	3.21	1.93	7.59	1.08	0.488	66.4	21.4	12.05	1.015	0.464	2.98	29.3	194	116	18.7
S318	480.87	403.0	79.2	5.89	3.24	1.77	7.39	1.085	0.475	56.8	17.95	11.05	1.015	0.445	3.05	29.6	165.5	95.3	19.4
S319	454.1	378.4	77.1	5.82	3.31	1.715	6.6	1.09	0.469	51.1	16.1	10.05	0.983	0.478	3.18	29.5	161	86.6	18.45
S320	596.83	492.8	106.3	8.35	4.34	2.23	9.55	1.48	0.61	70.6	23	14.15	1.38	0.628	4.04	40.1	195.5	121.5	25.3
S321	621.74	528.0	95.6	7.39	3.83	2.03	8.93	1.315	0.558	69.6	22.4	13.85	1.27	0.541	3.63	35	230	117	23.3
S322	524.6	437.6	88.8	6.81	3.59	2.07	7.91	1.26	0.482	60.2	18.95	12	1.135	0.581	3.66	33.2	184.5	100.5	18.9
S323	515.41	436.1	80.8	6.03	3.3	1.79	7.25	1.1	0.518	58.8	18.6	11.35	1.01	0.489	3.25	30.2	183	102.5	16.6
S324	482.96	405.5	78.9	5.98	3.24	1.77	6.82	1.11	0.456	54.7	17.35	10.7	0.985	0.464	3.14	30	170	95.4	18.55
S325	404.08	337.0	68.3	5.17	3	1.565	6.19	0.95	0.445	51.7	14.2	8.3	0.816	0.437	2.8	26.3	137.5	77.3	17.9
S326	541.17	444.1	99.1	7.76	4.28	2.16	8.98	1.45	0.576	65.5	18	11.3	1.225	0.602	3.87	38.7	188	98.1	22
S327	540.55	451.9	90.4	6.93	3.63	2.05	8.76	1.25	0.492	70.1	19.5	11.4	1.135	0.515	3.09	34.7	179	108	21.6
S328	433.38	351.6	83.4	6.48	3.58	1.76	7.74	1.205	0.469	57.8	15.6	9.87	1.04	0.482	3.15	32.4	138	81.7	19.3
S329	541.12	449.7	93.3	7.04	3.86	2.02	8.52	1.34	0.497	68.2	18.8	11.15	1.13	0.531	3.39	36.7	184	103.5	21.3
S330	504.82	423.0	83.3	6.14	3.49	1.84	7.62	1.16	0.52	64.4	17.6	10.15	0.996	0.499	3.37	32.4	169.5	101	19.95
S331	492.21	414.7	79.0	5.77	3.26	1.76	7.3	1.075	0.514	64.2	18	10.3	0.903	0.479	3.16	30.2	164	99.4	20.8
S332	551.3	453.2	100.2	7.76	4.34	2.05	9.15	1.425	0.605	68.1	18.65	11.7	1.23	0.609	3.94	39	189.5	101	24.2
S333	657.78	560.9	98.7	7.02	3.84	2.11	9.74	1.28	0.586	85.8	24.2	13.7	1.195	0.553	3.64	37.2	221	136.5	23.9
S334	644.91	548.1	98.9	7.61	3.97	2.15	9.73	1.38	0.553	81.7	22.7	13.3	1.24	0.568	3.59	36.8	225	127	24.7
S335	620.2	527.9	94.2	7.01	3.97	1.96	8.68	1.295	0.582	77.9	22.2	12.05	1.135	0.575	3.81	36	216	123.5	27.2
S336	724.97	608.8	118.8	8.7	5.26	2.33	10.25	1.72	0.777	85.8	24	13.7	1.365	0.759	4.95	47	265	131.5	32
S337	724.59	627.5	99.0	7.18	3.9	2.68	9.64	1.32	0.521	91.9	26	13.85	1.2	0.539	3.46	36.8	260	144.5	22.2

Sample	TREO ppm	LREO ppm	HREO ppm	Dy ppm	Er ppm	Eu ppm	Gd ppm	Ho ppm	Lu ppm	Nd ppm	Pr ppm	Sm ppm	Tb ppm	Tm ppm	Yb ppm	Y ppm	Ce ppm	La ppm	Nb ppm
S338	517.76	436.4	82.9	6.29	3.34	1.915	7.89	1.155	0.434	66.1	18.35	10.75	0.996	0.479	3.03	31.6	178.5	100.5	19.4
S339	411.54	335.1	77.9	6.08	3.32	1.725	7.14	1.13	0.432	53.2	14.55	9.05	0.965	0.464	2.89	30.5	134	77.5	17.7
S340	632.82	531.6	103.3	7.59	4.33	2.19	9.17	1.435	0.594	79.9	22.4	12.6	1.21	0.627	4.01	40.6	216	124.5	24.7
S341	448.35	366.9	83.0	6.33	3.53	1.865	7.37	1.225	0.478	56.5	15.65	9.41	0.987	0.511	3.25	32.9	148.5	85	20.7
S342	580.72	487.5	95.1	7.23	3.9	2.01	8.84	1.335	0.561	73.1	20.4	11.85	1.16	0.574	3.71	36.6	199.5	113	22.6
S343	590.72	496.3	96.4	7.18	4.05	2.02	8.75	1.355	0.608	73.8	20.5	11.6	1.125	0.607	3.89	37.6	203	116	23.2
S344	501.12	407.9	95.2	7.29	4.29	1.965	8.08	1.38	0.573	61.6	16.7	10.2	1.11	0.597	3.93	38.2	170	91.3	24.1
S345	580.34	487.6	94.6	6.92	4.11	2.04	8.06	1.335	0.555	72	19.9	11.15	1.1	0.591	3.73	37.7	203	111	23.3
S346	692.5	587.6	107.2	8.06	4.63	2.34	9.8	1.525	0.606	83.7	23.5	13.05	1.285	0.635	4.07	41.5	254	127.5	24.3

APPENDIX C - JORC Code, 2012 Edition – Table 1

The following table is provided to ensure compliance with the JORC Code (2012 Edition) for the reporting of Exploration Results

Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	- Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling. - Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. - Aspects of the determination of mineralisation that are Material to the Public Report. - In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.	- Soil samples were collected as 200-300g samples to a depth of 20cm and sieved to 80 mesh to remove coarse particles and bagged - Samples were labelled and submitted to ALS Laboratories for full suite analysis using ICP-MS. All sample preparation was undertaken by ALS Laboratories in line with their standard sample preparation procedures for soil sampling.
Drilling techniques	Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc.) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method)	Not Applicable – no drilling or associated sampling is being reported.
Drill sample recovery	- Method of recording and assessing core and chip sample recoveries and results assessed. - Measures taken to maximise sample recovery and ensure representative nature of the samples. - Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	Not Applicable – no drilling or associated sampling is being reported.

Criteria	JORC Code explanation	Commentary
Logging	- Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies. - Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography. - The total length and percentage of the relevant intersections logged.	- Field observations were made of the nature and occurrence of the outcrops and locations the samples were sourced from. - These measurements were limited due to lack of outcrop.
Sub-sampling techniques and sample preparation	- If core, whether cut or sawn and whether quarter, half or all core taken. - If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry. - For all sample types, the nature, quality and appropriateness of the sample preparation technique. - Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. - Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling. - Whether sample sizes are appropriate to the grain size of the material being sampled.	- Sample size and method of collection is appropriate for the material being sampled and represents industry standard practise. - No drilling conducted.
Quality of assay data and laboratory tests	- The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. - For geophysical tools, spectrometers, handheld XRF instruments, etc., the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc. - Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.	- All soil samples were sent to ALS Laboratories for sample preparation and analysis. - Sample preparation was done using the PUL-31Y method specific to soils that pulverizes to -75um. - Gold was analysed via the Au-TL43 methodology which was considered appropriate for the samples being collected and the detection limits required. - Other elements were analysed via the ME-MS61L methodology (48 element 4 acid digest) or the ME-MS61L-REE methodology which includes all the rare earth elements at the lowest detection limit. - A standard ALS sample submission sheet was used to track all samples and all results were returned via a full chain-of-custody process utilized by ALS. - All detection limits were considered to be acceptable for the exploration work being undertaken. - ALS uses regular duplicates, CRM's and blanks. Based

Criteria	JORC Code explanation	Commentary
		on review of received results an acceptable level of accuracy and precision has been achieved in the assaying process
Verification of sampling and assaying	- The verification of significant intersections by either independent or alternative company personnel. - The use of twinned holes. - Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. - Discuss any adjustment to assay data.	- All samples are recorded in Excel spreadsheets and maintained on an access database as received from the laboratory. - All raw assay and QAQC data received from the lab is maintained in the ALS online webtreive system with copies downloaded and maintained by the Company.
Location of data points	- Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation. - Specification of the grid system used. - Quality and adequacy of topographic control.	- The grid system used is the Geodetic Datum of Australia 2020 (GDA2020) Zone 50 and all heights refer to the Australian Height Datum. - Handheld Garmin GPS devices were used with accuracy ± 5 metres.
Data spacing and distribution	- Data spacing for reporting of Exploration Results. - Whether the data-spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied. - Whether sample compositing has been applied.	- Sampling is completed on 200m x 200m grid over the Tambina Granite as a first pass vectoring tool. All other sampling grids were done on a 50m x 50m and 100m x 50m grid due to constrained target nature. - No compositing applied. - No Mineral resource reported.
Orientation of data in relation to geological structure	- Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. - If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	- Soil samples were taken on a regular grid spacing to avoid bias towards any particular area. - No drilling conducted.
Sample security	The measures taken to ensure sample security.	Sample security is maintained via end-to-end courier dispatch of samples and full chain of custody procedures through to receipt of analytical spreadsheet data.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	The full suite analytical services provided by ALS Laboratories are fully audited (Certified lab) and full sample handling procedures are supplied including use of blanks, duplicates and standards for quality control.

Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
<i>Mineral tenement and land tenure status</i>	- Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. - The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	E45/6126 is 100% held by a wholly-owned subsidiary of Mitre Mining Corporation Ltd (ASX: MMC) and is in good standing. There are no encumbrances or outstanding issues regarding the tenement. - E45/6126 is located ~110km NW of Newman.
<i>Exploration done by other parties</i>	Acknowledgment and appraisal of exploration by other parties.	FMG conducted a regional stream and soil campaign over the tenure between 2011-2014 (A104450). Where results overlay the current soil program there is strong alignment with historic and current results
<i>Geology</i>	Deposit type, geological setting and style of mineralisation.	- The Pilbara tenement occurs within the East Pilbara Granite Greenstone Terrane, North Pilbara Craton. The terrane is characterised by ovoid granitoid complexes forming domes with interceding belts of steeply dipping volcano-sedimentary rocks forming synclines between the granitic domes. - The granite complexes include rocks of the Shaw Granitoid Complex which underlie much of the tenement area and comprise the Cutinduna Supersuite (c.2908Ma) — Bamboo Springs Monzogranite and Sisters Supersuite (c.2928Ma) — Mulganolinnal Monzogranite. Tambina Supersuite of the Pilbara Supergroup also occurs in the area. The granitoid complex is bounded to the west by the West Shaw Greenstone Belt, and to the east by the Coongan Greenstone Belt. - E45/6126 is situated along the central southern border of the Marble Bar 1:250,000 scale Mapsheet (SG 50-08), and in the southwestern corner of the Split Rock 1:100,000 scale Mapsheet.

Criteria	JORC Code explanation	Commentary
<i>Drill hole Information</i>	- A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: - easting and northing of the drill hole collar - elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar - dip and azimuth of the hole - downhole length and interception depth - hole length. - If the exclusion of this information is justified because the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.	Not Applicable – no drilling or associated sampling is being reported.
<i>Data aggregation methods</i>	- In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated. - Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low-grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail. - The assumptions used for any reporting of metal equivalent values should be clearly stated.	- Not Applicable – no drilling or associated sampling is being reported. - All sample REE assays have been converted to oxide (REO) values using the following industry standard element oxide conversion factors; $\text{La}_2\text{O}_3 = \text{La} \times 1.1728$ $\text{CeO}_2 = \text{Ce} \times 1.2284$ $\text{Pr}_6\text{O}_{11} = \text{Pr} \times 1.2082$ $\text{Nd}_2\text{O}_3 = \text{Nd} \times 1.1664$ $\text{Sm}_2\text{O}_3 = \text{Sm} \times 1.1596$ $\text{Eu}_2\text{O}_3 = \text{Eu} \times 1.1579$ $\text{Gd}_2\text{O}_3 = \text{Gd} \times 1.1526$ $\text{Tb}_4\text{O}_7 = \text{Tb} \times 1.1762$ $\text{Dy}_2\text{O}_3 = \text{Dy} \times 1.1477$ $\text{Ho}_2\text{O}_3 = \text{Ho} \times 1.1455$ $\text{Er}_2\text{O}_3 = \text{Er} \times 1.1435$ $\text{Tm}_2\text{O}_3 = \text{Tm} \times 1.1421$ $\text{Yb}_2\text{O}_3 = \text{Yb} \times 1.1387$ $\text{Lu}_2\text{O}_3 = \text{Lu} \times 1.1371$ $\text{Y}_2\text{O}_3 = \text{Y} \times 1.2699$ - These oxide values are summed to produce a Total Rare Earth Oxide (TREO) grade - Light Rare Earths (LREE) include; La, Ce, Pr, Nd

Criteria	JORC Code explanation	Commentary
		- Heavy Rare Earths (HREE) include; Y, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Sm, Eu - Reporting of Lithium elements and conversion to oxide components used the following formulas; $\text{Li}_2\text{O} = \text{Li} \times 2.1527$ $\text{Nb}_2\text{O}_5 = \text{Nb} \times 1.4305$ $\text{Ta}_2\text{O}_5 = \text{Ta} \times 1.2211$
<i>Relationship between mineralisation widths and intercept lengths</i>	<i>These relationships are particularly important in the reporting of Exploration Results.</i> <i>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</i> <i>If it is not known and only the downhole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known').</i>	Not Applicable – no drilling or associated sampling is being reported.
<i>Diagrams</i>	<i>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to, a plan view of drill hole collar locations and appropriate sectional views.</i>	Geological and location maps showing tenement boundaries have been compiled from relevant data. No drilling has been undertaken for sectional interpretation.
<i>Balanced reporting</i>	<i>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.</i>	Not Applicable – all results reported.
<i>Other substantive exploration data</i>	<i>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</i>	- Information is detailed in this report. - All rare earth elements were converted to total rare earth oxides (TREO) to align with industry standard for reporting of rare earth elements.
<i>Further work</i>	<i>The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).</i> <i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i>	Further work will likely include an infill soil program and field mapping campaign to refine the target areas.