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Jadar Lithium
ASX

Jadar Lithium Announces Exploration Results and Definition of Drill-Ready Target at Rekovac Lithium – Borate Project in Serbia

August 7, 2019

Highlights

- **Assay results from soil and rock sampling program return elevated Lithium, Boron, and associated elements from Rekovac project**
- **Soil values show up to 342 ppm of boron and up to 149 ppm of lithium**
- **Results suggest the basin is prospective for deposits related to the emanation of lithium - boron enriched fluids and their precipitation**
- **XRD analyses confirmed the presence of dolomite and analcime both indicative of the permissive sedimentary environment**
- **Regional gravity and magnetic data provided results indicating basin geometry, structure, and magnetic anomalies that may be prospective for Lithium and Boron mineralisation**

Luke Martino, Non-Executive Chairman of the Board, said "We are very encouraged by the prospectivity of Jadar Lithium's portfolio of projects in Serbia. The greenfield exploration work which the Company undertook is paying off, with very encouraging data on the Rekovac project as well. In conunction with the exciting results which have been generated on the Vranje-South project, the Rekovac project presents a second area which the Company will be progressing to drilling stage in the near term. With the brownfield exploration work on the Company's Weinbene project advancing, as well as, Rekovac and Vranje-South, both of which present the opportunity for a tier one discovery, Jadar Lithium presents a very compelling growth story."

Jadar Lithium Limited (ASX: JDR) ("Jadar" or "the Company") is pleased to provide an update on soil and rock chip sampling; acquisition and interpretation of regional gravity and magnetic data on the Rekovac project in Serbia.

The objective of the field mapping and soil sampling program was to outline areas with anomalous Li and B values and associated elements as well as to determine the most prospective area for follow up detail rock chips sampling.

In conjunction with the field activities, the Company acquired regional gravity and magnetic survey data from a local contractor who re-interpreted the data with the

JADAR LITHIUM QUICK STATS

ASX Code: JDR
Shares on Issue: 480.4 million
Market Cap: $3.8 million
Cash: $2m (at 30 June '19)

BOARD & MANAGEMENT

Non- Executive Chairman
Mr Luke Martino

Non-Executive Directors
Mr Steven Dellidis
Mr Nicholas Sage
Mr Stefan Müller

Company Secretary
Ms Louisa Martino

ASSET PORTFOLIO

AUSTRIA

Weinebene
(80% interest – ~28km^2)

Eastern Alps Projects
(80% interest – ~37km^2)

SERBIA

Cer
(100% interest - ~92.77km^2)

Rekovac
(100% interest - ~75.4km^2)

Vranje-South
(100% interest - ~90.44km^2)

objective to outline underlying basin geometry and define the presence of Calc-Alkaline volcanism that may be the source of mineral-bearing fluids.

Soil and Rock Sampling Program

The Company undertook two soil sampling programs on the Rekovac project and collected a total of 291 samples. The assays returned with elevated Lithium and Boron values with up to 342 ppm of boron and up to 149 ppm of lithium. The elevated values highlight a prospective area in the central and the southern part of the project area.

As a result of encouraging soil sampling results, the Company conducted follow up detail rock chip sampling with a focus on the identified anomalies. The rock chip sampling focused on exposed lower and middle Miocene sedimentary formations (which are known to host large Lithium Boron deposits in Serbia, such as Rio Tinto's jadar deposit), in an attempt to identifiy the presence of potentially permissive environment or evidence of sources of the elevated Li and B values.

In total, 26 rock samples were collected and dispatched for geochemical analyses. The analysis returned with elevated Lithium and Boron values with up to 280 ppm of boron and up to 100 ppm of lithium.

The assay data also showed elevated Mg levels within the target area, suggesting the dolomitic nature of the sediments. This is significant as it is an indicator for the prospective nature of the sedimentary sucession for hosting Li and B.

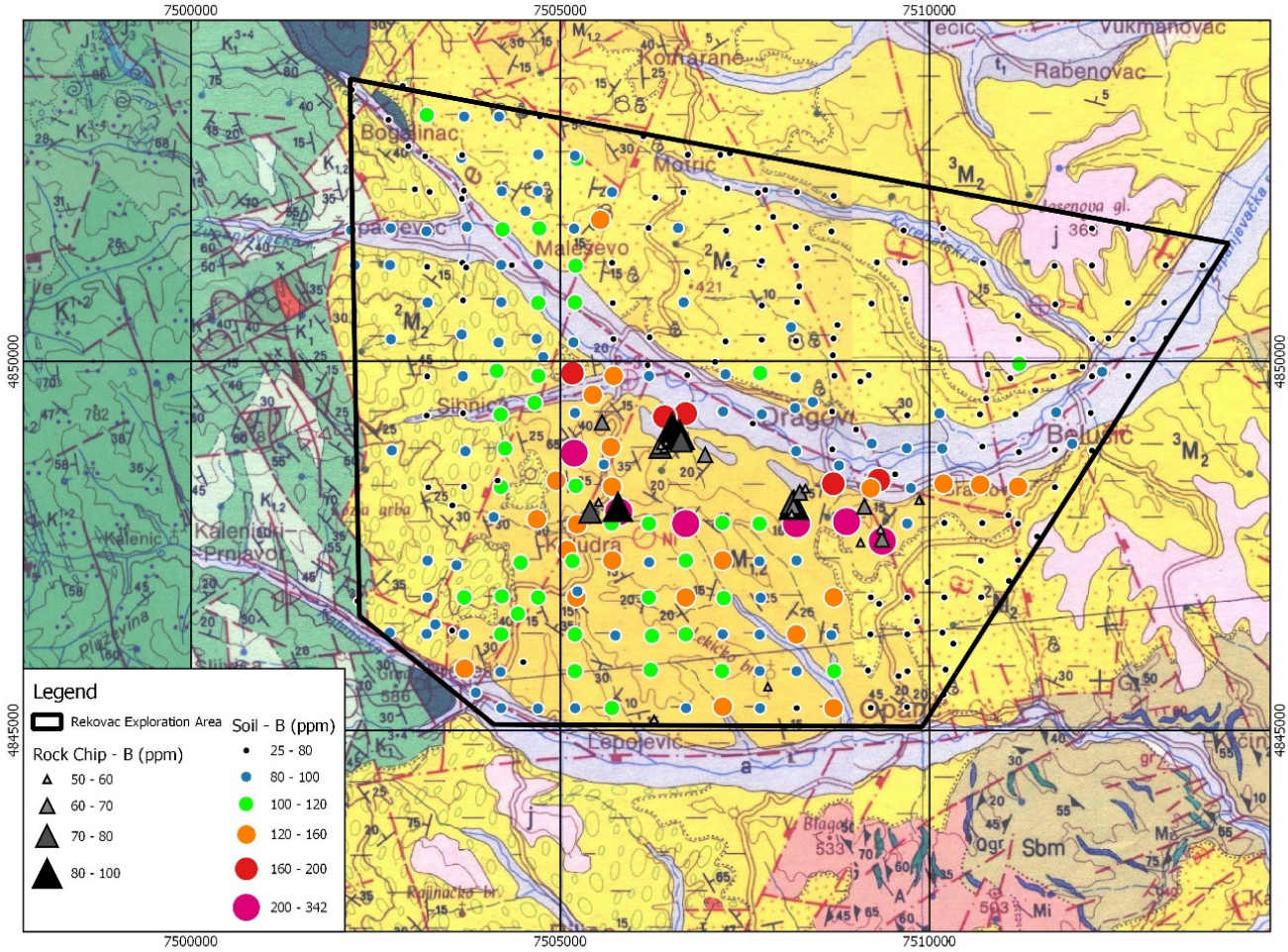

Figure 1 – Rekovac project geology map with soil and rock sampling positions and boron values

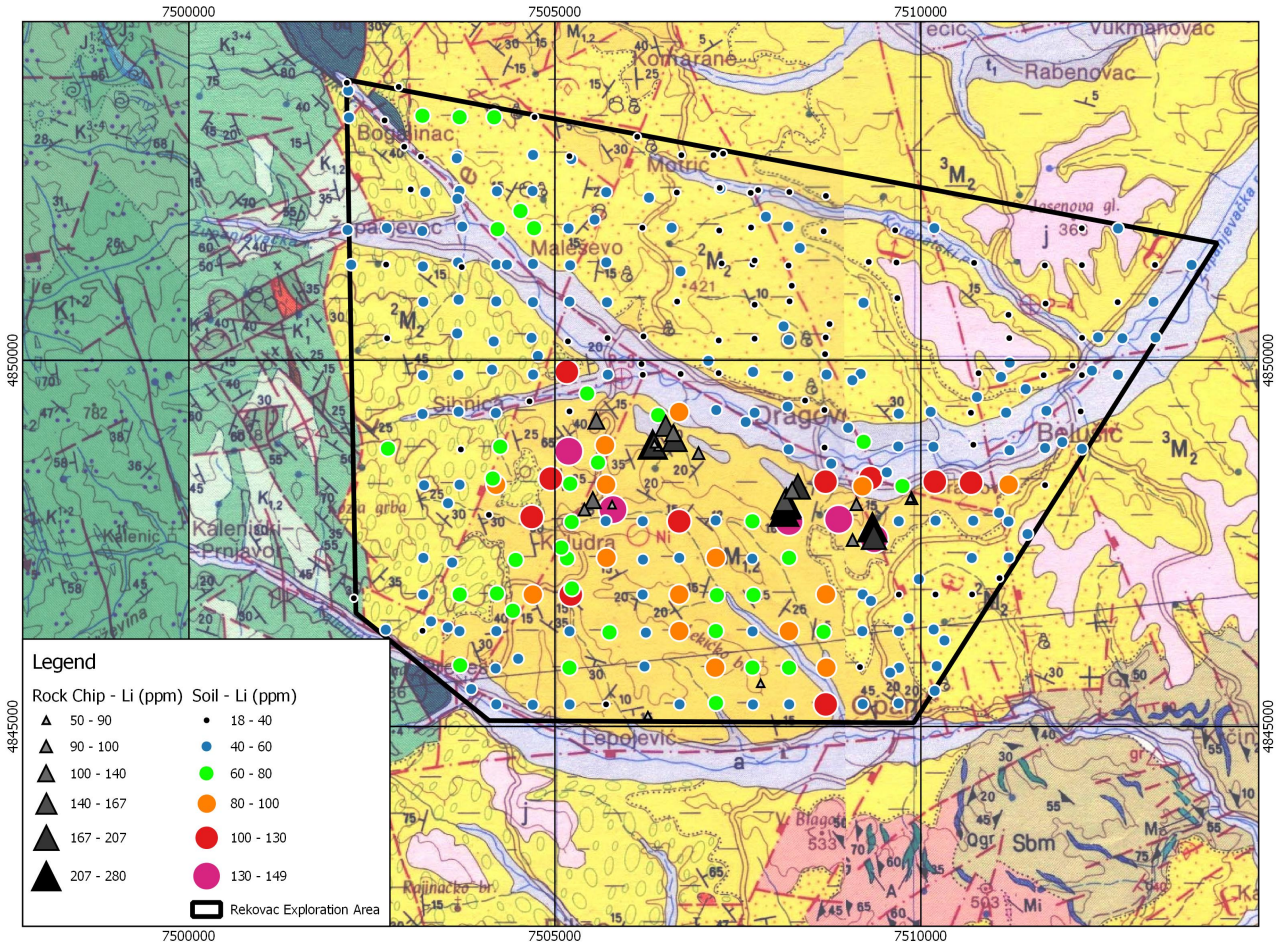

Figure 2 – Rekovac project geology map with soil and rock sampling positions and lithium values

During the sampling program, the Company also identified the presence of scattered spherical nodules and pseudomorphs, which are most likely replacing evaporite minerals within the fine pelitic sediments. XRD analyses of selected samples, indicated the presence of two evaporate minerals; Dolomite and Analcime, both of which are considered to be indicators of a saline-alkaline environment.

This is another indicator for the prospective nature of the basin.

Figure 3 - White scattered evaporite nodular minerals within fine pelitic sediments

Gravity Survey

In parallel with the outcrop sampling program, the Company acquired regional gravity survey data from the local contractor "Vecom GEO doo". The data was acquired to aid in defining basin geometry and deep-seated fault zones within the project area, which may have acted as a potential conduit for mineralising fluids. The data was analysed in conjunction with the surface sampling data and used to assist in defining target zones which will be the focus of the Company's scout drilling program. Gravity surveys are considered a useful exploration tool to visualise the basin geometry and relative thickness of the sedimentary sections, by defining basin highs and lows. The gravity survey was historically executed as on a grid with nominal station spacing of approximated average of 1000m, throughout the Rekovac project area.

The Rekovac basin has an elongated shape demonstrating a north-south trend which extends parallel to the regional tectonic Paleozoic and Mesozoic extensional structures. Based upon the linear configuration, the sharp parallel gradients on both the north and the south sides and the deep gravity low (blue colour), suggest that parallel faulting of the basement rocks formed the basin.

Sedimentation within the Rekovac basin is composed of extensive lacustrine sediments. As the basement contains a well-defined gravity closure from at least - 1.0 to - 13.0 mGal, it suggests an early period of lacustrine sedimentary deposition when the basin was isolated from drainage.

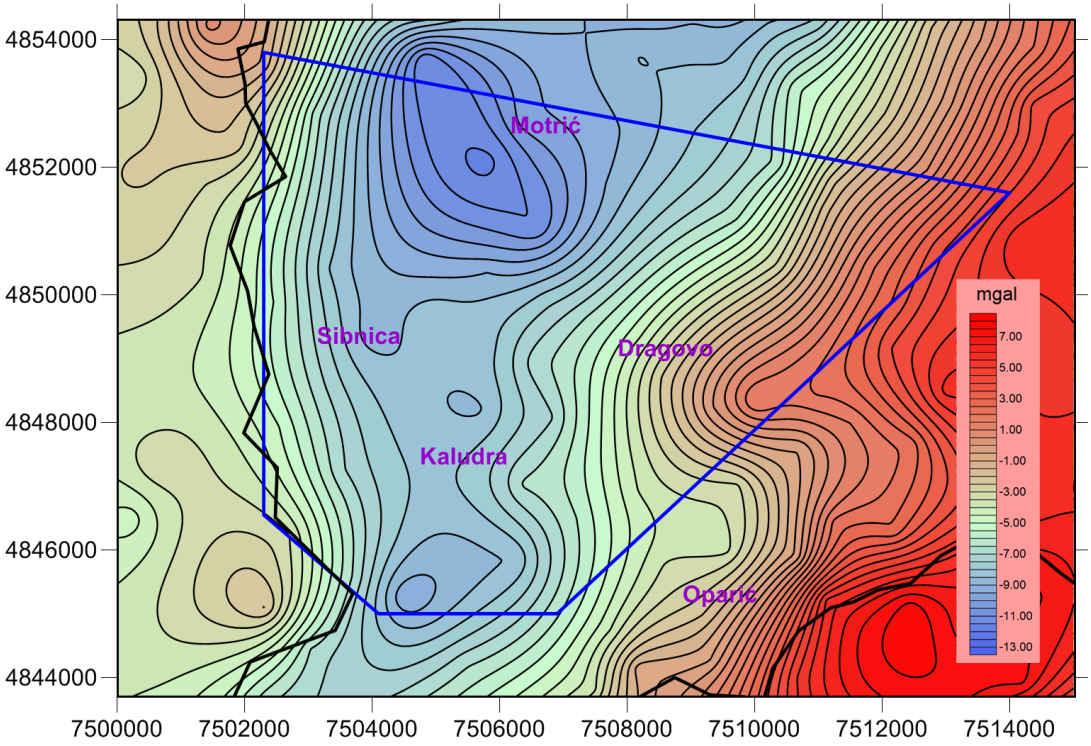

Figure 4 - Bouguer gravity image contoured at 0.5 mGal

Regional Magnetic Survey

The historical ground magnetic survey data was acquired to aid in defining the presence of "blind" (covered by younger sediments) Calc – Alkaline volcanic formations that may be related to a volcanic activity. The spring waters, which are a result of this volcanic activity, may act to disperse ecomomically important elements into lacustrine environments. The historical magnetic survey was executed on a grid with an approximate station spacing of 2000m.

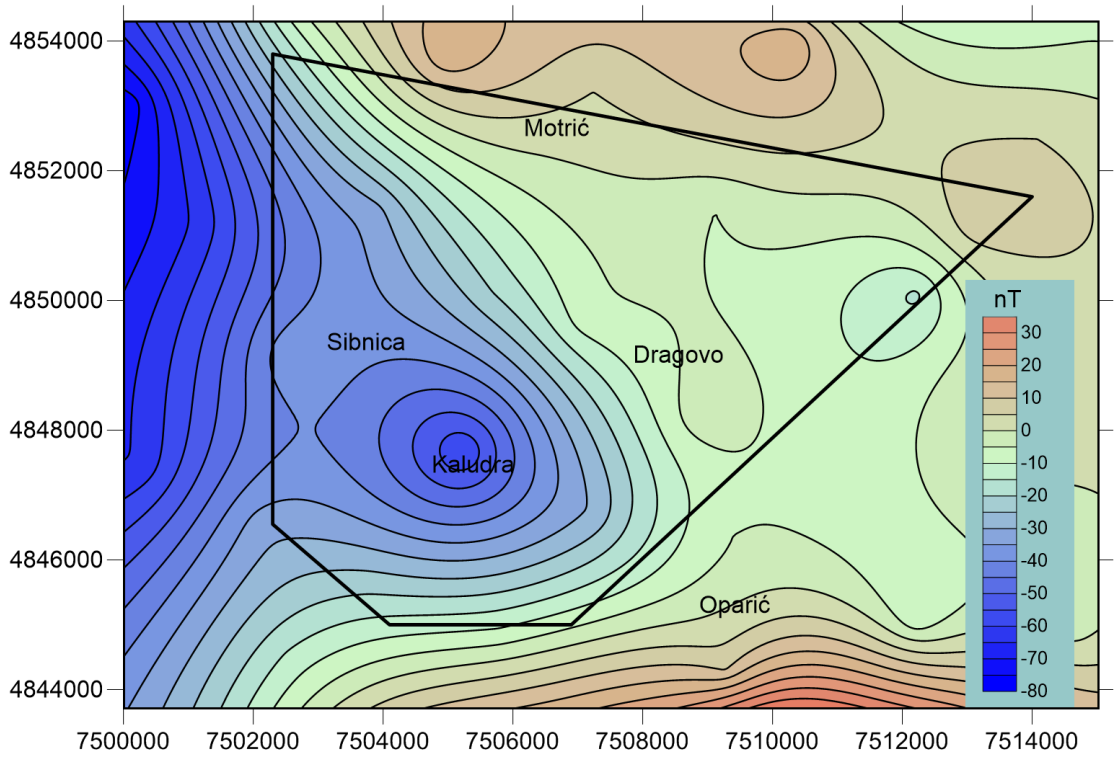

Figure 5 - Map of magnetic anomalies with 10 nT contour interval. The elevated values in the southern part of the license indicate a possible “blind” volcanic

Rekovac Project Geology

The early Miocene brackish formations have been exposed in the southern and central part of license area and consisting of siltstone and claystone. Eastern part of the license area is over clastic formations composed of conglomerates and breccias. The lower Miocene formation likely extend north where it is covered under younger freshwater sediments composed of siltstone, sandstone, and coarse clastic sequences. When considering these inferences withinin the geologic context of the regional Miocene sedimentary environment, where basins, at various times, likely spilled northward onto the Pannonian plain, it is inferred that the basin content may represent overflow via a quiet water marine estuary. A hydrologic connection can readily be envisioned between the basin’s northern end and the Pannonian plain via the Rekovac, Kragujevac and Lapovo drainages. A sea link here may have caused more clastic deposition in the north part of the project area, and the southern might have seen more passive backwater flooding. If this assumption is correct, the Rekovac basin would have been periodically isolated from the Pannonian sea by East-South-East trending fault activity and desiccated to form a narrow lake pan.

World Class Belt - The Vardar Zone

The so-called Vardar zone hosts pelitic sediments accumulated in several semi-interconnected basins along a geological trend.(Figure 6). The Vardar Zone stretches from northern Iran to Bosnia and Herzegovina, where it appears to disappear at the edge of the Alpine formations. Basins along the long, narrow trend vary greatly in size, shape, and sedimentation. The Vardar zone was formed by the movement between two tectonic plate boundaries. These tectonic forces result in rhomboid-shaped - "pull apart" - basins between the more stable basin boundaries. The basins of interest are mapped as lacustrine and marine sediments.

Evaporate (Lithium – borate) deposits of the type being explored in Vardar zone are typically found in tectonically active zones associated with deep-seated faulting. The deposits occur in shallow water lacustrine and mudflat environments, usually accompanied by Calc - alkaline volcanic and tuffs.

In the Balkan region, borate and lithium mineral deposits and occurrences have been recognised in recent years. These occurrences have been barely tested, while lithium mineralisation was found associated with borates even more recently during drilling in the Jadar basin of Serbia. Beside the jadar deposit which is the world´s largest lithium - borate deposit, borates have been found in Pobrdje and Piskanja within the Jarandol deposit. Some of the world´s largest borate deposits were discovered as well within the Vardar zone. Kirka borax deposit in Turkey is the world´s largest deposit and it´s located central part of Vardar trend.

Figure 6 – Position of the Vardar Zone

Planned activities

The Company continues to evaluate the Vranje South basin with the objective of defining drilling locations to test the anomalies generated to date.

ENDS

Further Enquiries

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Competent Person Statement

The information in this release that relates to Exploration Results is based on information prepared by Dr Thomas Unterweissacher, EurGeol, MAusIMM. Dr Unterweissacher is a licensed Professional Geoscientist registered with European Federation of Geologists and The Australasian Institute of Mining and Metallurgy based in Hochfilzen, Austria. European Federation of Geologists and The Australasian Institute of Mining and Metallurgy are a Joint Ore Reserves Committee (JORC) Code 'Recognised Professional Organisation' (RPO). An RPO is an accredited organisation to which the Competent Person (CP) under JORC Code Reporting Standards must belong in order to report Exploration Results, Mineral Resources, or Ore Reserves through the ASX. Dr Unterweissacher has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a CP as defined in the 2012 Edition of the JORC Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Dr Unterweissacher consents to the

inclusion in the release of the matters based on their information in the form and context in which it appears. Dr Unterweissacher is a consultant to the Company and holds shares in Jadar Lithium Limited.

Disclaimer

Forward-looking statements are statements that are not historical facts. Words such as “expect(s)”, “feel(s)”, “believe(s)”, “will”, “may”, “anticipate(s)”, “potential(s)”and similar expressions are intended to identify forward-looking statements. These statements include, but are not limited to statements regarding future production, resources or reserves and exploration results. All of such statements are subject to certain risks and uncertainties, many of which are difficult to predict and generally beyond the control of the Company, that could cause actual results to differ materially from those expressed in, or implied or projected by, the forward-looking information and statements. These risks and uncertainties include, but are not limited to: (i) those relating to the interpretation of drill results, the geology, grade and continuity of mineral deposits and conclusions of economic evaluations, (ii) risks relating to possible variations in reserves, grade, planned mining dilution and ore loss, or recovery rates and changes in project parameters as plans continue to be refined, (iii) the potential for delays in exploration or development activities or the completion of feasibility studies, (iv) risks related to commodity price and foreign exchange rate fluctuations, (v) risks related to failure to obtain adequate financing on a timely basis and on acceptable terms or delays in obtaining governmental approvals or in the completion of development or construction activities, and (vi) other risks and uncertainties related to the Company’s prospects, properties and business strategy. Our audience is cautioned not to place undue reliance on these forward-looking statements that speak only as of the date hereof, and we do not undertake any obligation to revise and disseminate forward-looking statements to reflect events or circumstances after the date hereof, or to reflect the occurrence of or non-occurrence of any events.

Table 1 – Soil sampling results

Sample_ID	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L
	Ag	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cs	Cu	Dy
	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
RESS0001	<5	13	87	425	1.9	0.3	0.4	0.9	57.6	20.2	5	40	5.16
RESS0002	<5	15	89	413	2.4	0.3	0.4	<0.8	56.8	22.5	5.7	40	5.16
RESS0003	5	8	61	349	1.6	0.3	0.1	0.8	74.5	9.8	3.3	20	4.73
RESS0004	5	6	49	297	2.2	0.3	1.8	0.9	44.7	23	3.3	40	4.11
RESS0005	<5	10	68	313	1.8	0.3	1	0.8	54.4	17.8	3.4	40	4.72
RESS0006	5	12	86	374	1.9	0.4	0.6	0.9	51.7	19.7	4.2	40	4.38
RESS0007	<5	9	81	274	1.9	0.3	2.7	0.8	49.2	17.4	3.5	30	4.14
RESS0008	5	12	88	319	1.6	0.3	0.2	1	75.4	14.7	4.1	20	5.28
RESS0009	<5	17	99	378	1.9	0.4	2	<0.8	48.9	24.1	6.2	50	4.76
RESS0010	<5	9	87	342	2.3	0.3	0.3	<0.8	80.7	14.8	4.2	30	6.62
RESS0011	5	8	88	374	2	0.4	0.1	1	73.2	12.4	3.9	30	5.23
RESS0013	5	12	83	347	2.1	0.4	0.3	1	68.7	20.8	4.8	30	6.45
RESS0014	<5	12	84	361	2.2	0.3	0.2	<0.8	59.1	19.8	5.2	40	5.08
RESS0015	5	26	68	362	1.8	0.4	0.3	0.8	64.2	17.3	4.9	30	5.43
RESS0016	5	13	80	399	1.7	0.3	0.7	<0.8	48.6	22	4.4	40	4.29
RESS0017	5	10	79	329	1.9	0.2	0.3	0.9	55.6	19.6	4.1	30	4.92
RESS0018	<5	13	84	340	1.9	0.4	1.7	0.8	52.9	22.1	5.3	40	5.21
RESS0019	7	17	79	329	2.1	0.5	0.2	1.1	57.5	25.5	5.8	40	4.44
RESS0020	7	13	88	366	1.7	0.4	0.5	1.1	60.4	20.9	4.2	40	5.16
RESS0021	5	14	79	399	1.8	0.3	0.3	0.8	73.6	14.4	4.4	30	5.71
RESS0022	<5	10	66	297	2	0.3	2.1	<0.8	46.9	22.1	3.2	30	3.9
RESS0023	<5	31	103	447	2.3	0.4	1.9	<0.8	59.5	27.2	8.6	50	4.78
RESS0024	<5	18	89	426	2.7	0.4	0.3	0.8	60	25.5	7.5	40	4.84
RESS0025	<5	6	78	333	1.9	0.3	5	0.9	51.3	18.3	5.5	40	5.09
RESS0026	5	12	76	299	1.3	0.2	3	<0.8	47.4	17.6	3.7	30	4.52
RESS0027	5	11	98	376	1.8	0.3	0.7	0.8	59.2	20	5	40	5.07
RESS0028	5	14	75	350	2	0.3	0.3	1	61	18.9	4.4	70	5.12
RESS0029	<5	47	70	362	1.7	0.4	0.8	1.1	52.7	19.3	4.1	40	5.17
RESS0030	5	13	86	355	1.9	0.3	0.5	1	57.4	23.4	4.9	160	5.15
RESS0031	<5	17	81	374	1.7	0.3	4	0.8	54.2	24.2	5.2	50	4.44
RESS0032	<5	11	80	362	1.9	0.3	1.8	0.8	48.5	20.2	4.4	50	4.04
RESS0033	<5	9	82	335	1.7	0.3	0.2	0.8	70.6	16.1	4	20	5.03
RESS0034	<5	11	78	377	2	0.4	0.2	<0.8	78.5	12.4	4.4	20	5.83
RESS0036	<5	15	102	372	2.6	0.4	1.5	<0.8	53.1	21.9	5	60	5.35
RESS0037	<5	21	97	370	2.5	0.4	0.3	<0.8	75.1	19.3	5.1	30	6.18
RESS0038	<5	25	127	476	2.7	0.6	2.6	<0.8	54	24.7	10.6	50	4.67
RESS0039	<5	20	98	404	2.3	0.4	0.3	<0.8	62.8	20.9	5.9	40	5.04
RESS0040	<5	79	94	406	2	0.5	0.4	<0.8	60.1	22.3	7.3	40	5.39
RESS0041	<5	28	104	380	2.4	0.4	0.4	<0.8	62.1	21.5	6.4	50	5.97
RESS0042	<5	45	116	421	2.5	0.4	5.3	<0.8	49.5	22.5	7.4	50	4.46
RESS0043	5	102	108	393	2.2	0.4	0.7	<0.8	52.6	24	7.1	40	5.25
RESS0044	5	24	118	385	2.1	0.4	3.8	<0.8	48.8	21.7	6	40	4.58
RESS0045	6	20	101	383	2.7	0.5	0.9	1.1	61.8	23.3	8.6	40	5.27
RESS0046	7	22	112	394	1.7	0.9	3	1.2	50.1	23.8	8.3	40	4.48
RESS0047	6	15	92	337	2.3	0.4	0.4	1.2	66.8	26.1	5.1	40	5.55
RESS0048	5	14	98	352	2.2	0.3	3.4	0.9	46.6	27.9	5.5	40	4.52
RESS0049	5	12	86	293	1.6	0.3	1.8	1	46.5	18.2	3.3	30	4.13
RESS0050	<5	14	107	401	2.3	0.4	4.2	<0.8	48.8	24.8	6.6	40	4.37
RESS0051	6	17	97	488	2.8	0.5	5.6	0.9	58.4	20	7.3	40	4.97
RESS0052	6	20	96	375	2.7	0.4	3.4	1.1	54	24.6	6.2	40	4.59
RESS0053	6	20	61	330	1.5	0.4	15.4	1	46	13.5	4.1	30	3.82
RESS0054	6	24	85	393	2.9	0.5	0.6	1	88.6	21.5	7.5	30	6.97

Sample_ID	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L
	Er	Eu	Fe	Ga	Gd	Ge	Ho	In	K	La	Li	Lu	Mn
	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
RESS0001	3.1	1.1	3.54	14.8	4.76	1.8	1.12	<0.3	1.78	27.5	50	0.43	1370
RESS0002	3.03	1.11	4	17.5	4.79	1.8	1.07	<0.3	2.09	28.1	59	0.54	810
RESS0003	2.82	1.12	2.44	14	4.62	1.5	0.97	<0.3	1.63	35.1	41	0.44	420
RESS0004	2.15	0.85	3.4	14.7	3.53	1.9	0.86	<0.3	1.75	22	26	0.28	770
RESS0005	3.19	0.89	3.28	13.7	4.72	1.7	0.95	<0.3	1.68	25.4	37	0.41	780
RESS0006	2.55	1.13	3.7	15	4.06	1.7	0.89	<0.3	1.83	24.3	52	0.34	670
RESS0007	2.76	1.04	2.8	12	4.45	1.4	0.89	<0.3	1.44	23.5	39	0.41	660
RESS0008	3.34	1.22	2.84	13.4	5.6	1.6	1.14	<0.3	1.53	34.5	39	0.49	870
RESS0009	2.96	1.29	4.89	19	5.06	1.9	0.95	<0.3	2.16	24.9	62	0.4	1150
RESS0010	3.9	1.31	3.04	15	6.27	1.7	1.19	<0.3	1.58	36.5	42	0.51	550
RESS0011	3.26	0.98	2.62	15	5.16	1.5	1.13	<0.3	1.72	33.4	38	0.46	470
RESS0013	3.85	1.39	3.51	15	5.51	1.7	1.13	<0.3	1.65	31	49	0.44	1090
RESS0014	2.92	1.1	3.92	17	4.53	2	0.95	<0.3	1.71	27.6	54	0.41	710
RESS0015	3.36	1.32	4.01	16.7	5.87	1.8	1.11	<0.3	1.67	30.3	50	0.5	1210
RESS0016	2.8	1.06	4.02	15.7	4.17	1.6	0.89	<0.3	1.83	23	52	0.39	680
RESS0017	3.27	1.12	3.22	13.5	4.87	1.6	1	<0.3	1.53	25.6	45	0.45	760
RESS0018	2.94	1.11	4.04	16.9	4.98	1.7	1.08	<0.3	1.93	25.9	52	0.38	800
RESS0019	2.49	0.8	4.15	17.3	3.9	1.7	0.88	<0.3	1.9	26.1	55	0.32	460
RESS0020	3.25	1.1	3.6	16.3	4.48	1.7	1	<0.3	1.89	27.8	50	0.34	760
RESS0021	3.39	1.13	3.13	15.6	5.65	1.6	1.14	<0.3	1.69	34.3	44	0.43	580
RESS0022	2.71	0.91	3.53	14.3	4.23	1.5	0.81	<0.3	1.68	23	34	0.35	780
RESS0023	2.92	1.28	4.91	21.7	5.1	1.8	1.04	<0.3	2.6	28.8	74	0.43	840
RESS0024	2.84	0.93	4.03	18.6	5.08	1.8	1.02	<0.3	2.2	29.6	63	0.37	910
RESS0025	3.22	1.05	3.53	16	5.15	1.7	1.07	<0.3	1.75	27.6	46	0.46	580
RESS0026	2.66	0.8	2.85	12.1	3.79	1.4	0.89	<0.3	1.41	22	43	0.3	600
RESS0027	3.51	1.08	3.79	15.9	5.3	1.6	1.03	<0.3	1.94	28	52	0.42	690
RESS0028	3.31	1.3	3.81	16.2	5.12	1.6	1.1	<0.3	1.63	29	49	0.43	760
RESS0029	3.23	1.25	4.23	15.9	5.37	1.7	1.1	<0.3	1.7	26	52	0.44	1420
RESS0030	3.15	1.19	3.83	15.6	4.89	1.6	0.97	<0.3	1.8	28	49	0.34	1090
RESS0031	2.52	1	3.75	15.4	4.65	1.7	0.89	<0.3	1.76	26.3	51	0.38	670
RESS0032	2.39	1.04	3.39	14.2	4.09	1.9	0.85	<0.3	1.82	24.3	45	0.32	850
RESS0033	3.04	1.2	2.7	13.9	5.18	1.5	1.07	<0.3	1.63	32.9	40	0.42	540
RESS0034	3.36	1.25	2.78	14.8	5.91	1.4	1.15	<0.3	1.66	38.2	41	0.49	650
RESS0036	2.88	1.24	4.63	18.5	5.16	2	1.09	<0.3	1.62	27.7	66	0.44	1090
RESS0037	3.29	1.28	3.28	16.1	5.95	1.9	1.28	<0.3	1.37	37.3	47	0.6	860
RESS0038	2.88	1.02	4.5	20.7	4.78	1.9	0.99	<0.3	2.12	27.5	73	0.43	690
RESS0039	3.55	1.07	3.55	16.4	5.06	1.8	1.07	<0.3	1.69	30.6	50	0.43	740
RESS0040	3.17	1.26	3.97	15.7	4.89	1.5	0.97	<0.3	1.5	29.8	55	0.31	1090
RESS0041	3.52	1.27	3.79	17	5.01	1.8	1.16	<0.3	1.63	31.5	58	0.5	920
RESS0042	2.76	1.07	4.14	18.7	4.16	1.7	0.88	<0.3	1.88	24.9	76	0.32	680
RESS0043	3.09	1.26	4.26	18.2	4.94	1.9	1.03	<0.3	1.72	26.4	81	0.48	890
RESS0044	2.41	0.92	3.97	17.1	4	1.6	0.9	<0.3	1.69	24.1	77	0.37	690
RESS0045	3.13	1.35	4.14	17.5	5.44	1.8	1.06	<0.3	1.59	30.2	52	0.43	740
RESS0046	2.25	0.94	3.93	17.2	3.92	1.5	0.8	<0.3	1.86	24.3	48	0.35	810
RESS0047	2.68	1.16	3.98	16.6	4.78	1.9	1.02	<0.3	1.31	30.9	51	0.34	830
RESS0048	2.56	0.92	4.1	16	4.25	1.5	0.83	<0.3	1.62	23.7	57	0.32	700
RESS0049	2.54	1.15	3.07	12.9	3.63	1.3	0.84	<0.3	1.35	22.6	42	0.4	750
RESS0050	2.55	0.97	4.14	17.6	4.27	1.6	0.82	<0.3	1.82	24.3	63	0.34	850
RESS0051	2.71	1.16	3.99	18.5	5.06	1.8	1.06	<0.3	1.55	32.8	59	0.35	620
RESS0052	2.72	1.14	4.23	18	4.24	1.9	1.01	<0.3	1.77	26.1	61	0.4	660
RESS0053	2.04	0.91	2.37	10.9	3.82	1.3	0.76	<0.3	0.91	22.5	32	0.32	740
RESS0054	4.36	1.79	4.03	18.5	6.77	1.9	1.38	<0.3	1.36	42.6	45	0.59	1140

Sample_ID	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L
	Mo	Nb	Nd	Ni	Pb	Pr	Rb	Re	Sb	Se	Sm	Sn	Sr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RESS0001	<2	13.3	24	140	28.6	6.49	98.2	<0.01	1.3	<3	5.52	<3	60
RESS0002	<2	13.9	24.7	140	21.7	6.45	109.5	<0.01	1	<3	4.74	5	70
RESS0003	<2	17.1	27.8	70	20.3	8.19	77.3	<0.01	1.1	<3	5.23	<3	60
RESS0004	<2	8.8	17.9	100	21.8	4.82	82.2	<0.01	1.1	<3	3.34	<3	100
RESS0005	<2	11.5	23.3	110	22.7	5.92	79	<0.01	0.7	3	4.59	<3	80
RESS0006	<2	13	23.3	130	23.8	5.79	89.3	<0.01	1	4	4.64	6	70
RESS0007	<2	12.3	21.7	140	14.5	5.56	68.9	<0.01	1.1	<3	4.93	<3	70
RESS0008	<2	17.4	31	80	25.6	8.14	82.8	<0.01	1.4	3	6.14	<3	60
RESS0009	<2	10.9	23.6	190	17.8	5.76	115.5	<0.01	1.5	<3	4.33	<3	80
RESS0010	<2	16.9	34.5	70	16.2	9.31	88.3	<0.01	0.9	3	6.94	<3	70
RESS0011	<2	15.3	30	70	16.7	8.13	90.9	<0.01	1	<3	6.22	<3	50
RESS0013	<2	15.4	27.6	140	23.2	7.76	95	<0.01	1.2	<3	5.95	<3	60
RESS0014	<2	14	26.2	160	21	6.92	101	<0.01	1.3	<3	4.6	<3	50
RESS0015	<2	13.1	27.1	150	21.2	7.27	98	<0.01	1.4	3	5.85	5	60
RESS0016	<2	11.8	20.6	190	15.3	5.57	90.1	<0.01	1.1	3	4.53	<3	60
RESS0017	<2	13.9	23.4	150	22.2	6.25	82.1	<0.01	1.1	<3	4.8	<3	50
RESS0018	<2	11.5	24.6	190	23.7	6.3	104	<0.01	1.2	<3	4.94	<3	60
RESS0019	<2	13.5	23.9	220	25.9	6.18	103	<0.01	1.5	<3	3.97	<3	40
RESS0020	<2	13.9	24.2	130	19.7	6.64	94.5	<0.01	1.2	<3	5.42	<3	70
RESS0021	<2	17.4	31.2	100	23.4	8.47	93.6	<0.01	1	<3	6.38	<3	70
RESS0022	<2	9.9	21.2	100	19.7	5.33	75.4	<0.01	1	<3	4.38	<3	100
RESS0023	<2	12.5	26	180	24.4	6.84	135.5	<0.01	1.7	<3	6.1	<3	100
RESS0024	<2	14.6	24	140	30.4	6.72	122.5	<0.01	1.6	<3	5.68	<3	60
RESS0025	<2	12	25	160	20.1	6.38	91.4	<0.01	0.9	6	4.84	<3	100
RESS0026	<2	10.5	20.1	130	14	5.4	71.1	<0.01	0.7	<3	4.22	<3	80
RESS0027	<2	14.4	25	130	19.6	6.88	97	<0.01	0.9	<3	5.48	<3	70
RESS0028	<2	13.6	26.6	150	21	7.13	89.2	<0.01	1.3	3	5.38	3	50
RESS0029	2	11	24.5	160	27.4	6.53	84.2	<0.01	1.2	<3	5.7	<3	50
RESS0030	<2	13.8	25.5	170	25.8	6.82	95.2	<0.01	1.1	<3	4.54	<3	50
RESS0031	<2	11.5	24.7	200	18.6	6.3	90.5	<0.01	1.5	<3	4.58	<3	90
RESS0032	<2	11.5	21.3	160	23.6	5.59	87.6	<0.01	0.9	<3	4.31	<3	70
RESS0033	<2	18.1	29.7	80	23.8	8.07	86.2	<0.01	1	<3	5.27	<3	70
RESS0034	<2	18.7	31.5	70	21.7	8.88	91.5	<0.01	1	<3	6.48	5	80
RESS0036	<2	12.9	24.9	150	26.4	6.41	98.9	<0.01	1.2	6	6.06	7	70
RESS0037	<2	17.1	32.6	90	29.3	8.59	91	<0.01	1.6	6	6.55	8	80
RESS0038	<2	12.3	25.5	190	28.9	6.49	118	<0.01	2.1	5	4.97	9	150
RESS0039	<2	14.5	27	120	27	7.41	100	<0.01	1.5	7	4.8	8	80
RESS0040	<2	12.5	24.4	180	38.5	6.63	89.9	<0.01	2.7	4	4.52	7	90
RESS0041	<2	14.7	26.7	120	25.2	7.2	102.5	<0.01	1.7	5	5.15	12	90
RESS0042	<2	11.8	21.8	160	18.5	5.67	113	<0.01	1.1	10	4.92	9	150
RESS0043	<2	12.1	24	200	25.4	6.19	105.5	<0.01	2	6	5.5	12	70
RESS0044	<2	11.9	22	190	15.3	5.85	100.5	<0.01	1.8	9	4.53	9	140
RESS0045	<2	14.1	26.3	140	25.5	7.38	105	<0.01	1.9	7	5.01	10	90
RESS0046	<2	11.6	22.1	180	77.2	6.12	109.5	<0.01	3.2	9	4.21	10	120
RESS0047	<2	14.8	30	190	26.6	7.66	87.9	<0.01	1.5	3	6.2	10	70
RESS0048	<2	11.9	21.3	280	16	5.54	91.3	<0.01	0.7	9	4.75	16	110
RESS0049	<2	11.6	19.95	130	22.5	5.4	74.2	<0.01	0.9	5	4.15	17	90
RESS0050	<2	11.7	20.9	210	19.9	5.6	106	<0.01	1.4	3	4.97	17	110
RESS0051	<2	16.6	28.7	150	20.3	7.43	96.7	<0.01	0.9	3	6.23	16	110
RESS0052	<2	12.5	24	180	21.9	6.33	106.5	<0.01	1.2	5	4.45	23	90
RESS0053	<2	10.9	19.85	60	18.9	5.21	65.9	<0.01	1.2	3	4.31	16	550
RESS0054	<2	19.8	38.6	70	40.6	10.5	100.5	<0.01	1.5	7	7.7	12	100

Sample_ID	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L
	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RESS0001	0.87	0.67	<0.5	8.7	0.46	0.43	0.49	2.1	105	1.8	30.3	2.88	90
RESS0002	0.9	0.7	<0.5	9	0.471	0.47	0.43	2.2	122	1.9	28.4	2.74	90
RESS0003	1.13	0.65	<0.5	10.3	0.595	0.46	0.41	2.9	88	2.3	27.4	2.78	60
RESS0004	0.58	0.52	0.5	11	0.349	0.3	0.4	2.4	109	1	22	2.59	70
RESS0005	0.72	0.66	<0.5	8.2	0.465	0.31	0.42	2.1	109	1.6	27.3	3.06	70
RESS0006	0.9	0.59	<0.5	8.3	0.465	0.32	0.38	2.2	113	1.9	24.8	2.44	90
RESS0007	0.72	0.62	<0.5	7.5	0.423	0.29	0.39	2	85	1.9	27.3	2.37	70
RESS0008	1.16	0.83	<0.5	10.8	0.581	0.41	0.46	2.7	93	2.5	31.5	3.16	70
RESS0009	0.71	0.67	<0.5	8.7	0.393	0.45	0.44	1.9	135	1.8	28.7	2.74	100
RESS0010	1.23	0.91	<0.5	11.5	0.556	0.46	0.6	2.8	100	2.3	36.1	3.5	60
RESS0011	1.07	0.8	<0.5	10.9	0.549	0.42	0.52	2.8	93	1.9	32.1	3.41	50
RESS0013	0.97	0.86	<0.5	10.1	0.505	0.46	0.48	2.5	108	2	32.3	3.24	80
RESS0014	0.88	0.68	<0.5	9.8	0.492	0.47	0.43	2.2	119	2	26.8	2.74	90
RESS0015	0.82	0.81	<0.5	9	0.451	0.46	0.45	2.1	117	1.9	32.2	2.91	80
RESS0016	0.71	0.57	<0.5	8	0.429	0.39	0.42	2	118	1.7	26.3	2.38	80
RESS0017	0.81	0.73	<0.5	8.6	0.464	0.35	0.42	2.1	102	1.9	29.8	2.91	70
RESS0018	0.71	0.77	<0.5	8.7	0.421	0.43	0.45	1.7	119	1.8	28.3	2.79	90
RESS0019	1.09	0.53	<0.5	9.2	0.472	0.47	0.39	2.1	124	1.9	26.1	2.37	90
RESS0020	0.86	0.69	<0.5	9.5	0.489	0.36	0.38	2.5	113	2	29.1	3.05	80
RESS0021	1.07	0.84	<0.5	10.9	0.574	0.52	0.47	2.9	106	2.3	33.5	3.34	70
RESS0022	0.73	0.52	<0.5	8.1	0.452	0.34	0.36	2.1	120	1.3	23.1	2.5	70
RESS0023	0.81	0.72	<0.5	9.9	0.461	0.6	0.42	2.1	150	1.9	26.5	2.81	100
RESS0024	0.92	0.68	<0.5	9.7	0.5	0.47	0.39	2.2	131	3.1	27.9	2.61	90
RESS0025	0.74	0.71	<0.5	9.1	0.393	0.34	0.46	1.9	111	1.7	30.8	2.72	90
RESS0026	0.68	0.61	<0.5	7.6	0.377	0.32	0.37	1.9	86	2	23.8	2.44	70
RESS0027	0.9	0.77	<0.5	9.4	0.487	0.42	0.47	2.5	120	2	30.2	3.04	90
RESS0028	0.91	0.75	<0.5	9.1	0.472	0.41	0.45	2.2	114	1.9	31.5	3.27	120
RESS0029	0.83	0.77	<0.5	8	0.384	0.4	0.44	2.2	117	1.8	31.7	2.91	90
RESS0030	0.96	0.77	<0.5	8.9	0.454	0.45	0.41	2.2	114	1.9	28.5	2.96	90
RESS0031	0.8	0.7	<0.5	8.7	0.427	0.45	0.37	1.9	112	1.7	24.3	2.3	80
RESS0032	0.69	0.61	<0.5	7.8	0.42	0.34	0.39	1.8	97	1.7	22.4	2.53	170
RESS0033	1.08	0.73	<0.5	10.4	0.592	0.45	0.46	2.7	93	2.3	30.1	2.98	60
RESS0034	1.24	0.91	<0.5	11.7	0.604	0.46	0.58	2.6	98	2.5	34.8	3.38	70
RESS0036	0.92	0.87	0.7	9.2	0.419	0.51	0.45	1.9	130	1.7	30.6	2.87	90
RESS0037	1.24	1	<0.5	10.9	0.521	0.49	0.52	2.9	106	2.4	35.1	3.4	70
RESS0038	0.8	0.74	0.5	9.6	0.422	0.58	0.39	2.3	135	2.3	28.5	2.72	100
RESS0039	1.04	0.83	0.9	9.9	0.463	0.54	0.43	2.6	113	2.3	30	3.17	80
RESS0040	0.76	0.78	<0.5	9.1	0.429	0.62	0.43	2.6	110	2.6	27.5	2.76	100
RESS0041	1.03	0.92	<0.5	9.8	0.448	0.45	0.53	2.4	119	2.3	32.7	3.26	80
RESS0042	0.73	0.74	<0.5	8.6	0.368	0.43	0.33	2.1	128	1.7	24.1	2.43	90
RESS0043	0.8	0.82	0.7	9	0.423	0.46	0.41	2	124	1.6	29.9	2.83	90
RESS0044	0.8	0.77	<0.5	8.5	0.352	0.42	0.4	1.9	117	1.7	25.1	2.62	90
RESS0045	0.84	0.92	<0.5	10.6	0.393	0.5	0.42	2.4	124	2.1	29.7	2.82	90
RESS0046	0.78	0.65	<0.5	8.9	0.361	0.78	0.3	2.3	115	2.2	24.5	2.22	120
RESS0047	0.99	0.8	0.6	10.1	0.426	0.43	0.43	2.4	119	2	29.4	2.47	80
RESS0048	0.91	0.62	0.6	7.9	0.364	0.38	0.38	1.8	117	1.5	22.9	2.37	100
RESS0049	2.1	0.61	<0.5	7.1	0.359	0.37	0.36	1.8	90	1.6	22.9	2.56	70
RESS0050	0.85	0.7	0.6	8.5	0.384	0.41	0.38	2	125	2	23.6	2.67	100
RESS0051	1.08	0.75	0.8	10.6	0.368	0.6	0.36	2.3	120	2	28.9	2.79	80
RESS0052	0.94	0.74	0.8	9.1	0.394	0.53	0.36	2.1	128	1.9	28.5	2.85	90
RESS0053	0.72	0.58	0.6	7.2	0.294	0.38	0.29	5.6	85	1.6	21.8	2.22	60
RESS0054	1.3	1.09	0.6	14.1	0.538	0.57	0.51	3.2	127	2.7	38.8	3.95	80

Sample_ID	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L
	Ag	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cs	Cu	Dy
	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
RESS0055	6	16	85	305	1.9	0.4	0.5	1	54.6	17.7	4.7	30	4.53
RESS0056	<5	20	117	385	2	0.4	1.7	<0.8	56.8	21.9	7.4	130	5.13
RESS0057	<5	17	100	387	1.8	0.5	1.5	<0.8	58.7	24.5	6.4	40	4.92
RESS0058	<5	35	119	382	2.3	0.7	0.4	<0.8	58	21.7	7	30	4.91
RESS0060	7	23	98	411	2.4	0.5	0.4	1	76.1	21	6.7	30	6.4
RESS0061	7	17	110	418	2.6	0.5	0.6	1.1	65.5	20.9	5.6	80	5.65
RESS0062	5	46	145	460	2.5	0.5	0.8	0.9	58.2	26.7	11.5	90	5.22
RESS0063	5	29	114	430	2.4	0.5	2.2	0.9	62.1	23.6	9.6	30	5.11
RESS0064	5	36	92	391	3.1	0.4	0.4	0.8	68.4	31.4	8.3	50	5.7
RESS0065	<5	22	96	363	2.2	0.3	0.1	<0.8	68.1	18.6	5.6	20	5.18
RESS0066	5	46	118	415	2.4	0.6	0.3	0.8	63	23.5	12.3	40	5.51
RESS0067	<5	25	117	366	2.3	0.5	0.3	<0.8	79.9	21.8	4.7	20	6.36
RESS0068	<5	48	128	459	2.9	1	0.5	<0.8	72.1	26.6	12.4	50	6.02
RESS0069	<5	40	105	426	3	0.6	0.4	<0.8	105	34.2	9.7	40	6.96
RESS0070	<5	32	142	461	2.3	0.5	4.5	<0.8	56.2	25.8	9.7	70	4.7
RESS0071	<5	33	104	434	2.7	0.6	0.2	<0.8	83.3	27.2	11.5	50	6.68
RESS0073	6	54	208	525	2.9	1	1.1	1	64.9	34.8	23.7	70	5.33
RESS0074	<5	17	94	420	2.1	0.4	0.4	<0.8	102	19.8	5.2	20	7.72
RESS0075	<5	57	196	504	3.4	1	0.7	<0.8	58.7	28	16.3	110	4.96
RESS0076	<5	16	96	343	2.1	0.2	0.4	<0.8	78.5	16.5	4.4	20	5.56
RESS0077	<5	27	106	442	2.5	0.6	1.1	0.8	62.9	22.4	9	60	5.08
RESS0078	<5	27	103	428	2	0.5	0.7	<0.8	66.9	20.1	9.3	40	5.47
RESS0079	<5	23	94	370	2.2	0.4	0.4	<0.8	64.9	25	7.1	40	4.97
RESS0080	<5	23	92	522	1.9	0.4	6.2	<0.8	53	12.7	7.9	30	3.96
RESS0081	<5	35	95	377	2.2	26	6.9	0.8	50.8	16.4	6.4	30	4.34
RESS0082	<5	24	64	430	2.4	0.6	0.8	<0.8	63.3	19.2	9.9	110	5.1
RESS0083	<5	20	76	357	2	0.5	0.7	<0.8	70.7	19.4	6.5	70	5.34
RESS0084	<5	14	61	472	1.9	0.3	1.5	<0.8	50.7	14.3	6.7	30	4.52
RESS0085	<5	22	151	336	1.9	0.7	2.8	<0.8	45.5	23.6	10.1	70	3.89
RESS0086	<5	53	140	450	2.7	0.7	0.5	<0.8	70.9	26.9	15.4	80	6.49
RESS0087	<5	42	156	456	2.7	0.6	0.4	0.8	82.7	33	12.3	50	6.57
RESS0088	<5	21	105	423	2.3	0.4	0.4	<0.8	86.3	14.9	6	30	6.81
RESS0089	<5	49	149	469	2.4	0.7	0.6	<0.8	62.5	31.1	15.1	110	5.3
RESS0090	<5	29	99	430	2.3	0.5	0.6	<0.8	75.1	23.9	11.3	50	5.8
RESS0091	<5	17	104	392	1.6	0.4	0.2	<0.8	95.6	21.5	5.1	20	6.68
RESS0092	<5	20	106	364	2.7	0.4	10.5	<0.8	46.1	17.8	12	50	4.13
RESS0093	<5	19	101	399	2.2	0.4	0.4	<0.8	90.1	15.3	6.6	20	7.21
RESS0094	<5	24	112	399	2.3	0.7	0.3	<0.8	67.8	22.6	8.6	50	5.63
RESS0095	<5	29	97	433	2.7	0.5	0.4	<0.8	84.8	22.3	7.6	30	6.56
RESS0097	<5	22	104	386	2.2	0.5	0.4	<0.8	77.1	18.1	8.1	30	6.92
RESS0098	<5	12	81	280	1.4	0.3	0.9	<0.8	47.2	19.6	3.8	30	4.5
RESS0099	<5	10	71	290	1.4	0.2	2.7	<0.8	40.5	16.4	3.2	120	3.27
RESS0100	<5	15	62	374	2.2	0.4	1.2	<0.8	72.2	15.6	4.9	30	5.88
RESS0101	<5	15	55	427	2.3	0.4	1.1	<0.8	53.7	13.7	7.6	30	4.22
RESS0102	<5	18	53	466	2.7	0.5	0.8	<0.8	65.6	16.8	6.2	30	5.37
RESS0103	<5	18	86	395	2.7	0.5	0.4	<0.8	93	19.9	6	20	6.94
RESS0104	<5	14	54	430	2.1	0.4	0.6	<0.8	50.9	14.2	7	30	4.35
RESS0105	<5	18	83	428	2.1	0.4	0.6	<0.8	90.2	20.2	4.9	30	6.43
RESS0106	<5	15	70	379	1.8	0.3	1.9	0.9	52.1	22.9	4.9	50	4.74
RESS0107	<5	49	182	450	2.9	0.8	0.5	<0.8	77	28.5	12.9	50	5.97
RESS0108	<5	55	234	549	2.9	0.7	0.9	0.8	67.8	33.3	17.6	70	5.38

Sample_ID	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L
	Er	Eu	Fe	Ga	Gd	Ge	Ho	In	K	La	Li	Lu	Mn
	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
RESS0055	2.88	0.91	3.2	15.2	4.38	1.6	1	<0.3	1.29	25.5	51	0.42	590
RESS0056	3.06	1.13	4.21	18.7	4.76	1.7	1.01	<0.3	1.78	28.5	68	0.36	820
RESS0057	3.04	1.1	4.1	17.8	4.69	1.4	0.96	<0.3	1.79	29.2	58	0.38	890
RESS0058	2.82	1.3	3.79	17.4	4.59	1.8	0.97	<0.3	1.72	28.3	47	0.44	670
RESS0060	3.41	1.64	3.79	17.7	5.83	1.9	1.2	<0.3	1.65	37	50	0.5	890
RESS0061	3.33	1.26	4.1	18	5.42	1.9	1.13	<0.3	1.76	32.4	54	0.51	910
RESS0062	2.86	1.21	4.77	20.6	4.92	2	1.06	<0.3	2.27	28.2	109	0.39	920
RESS0063	2.98	1.15	3.67	18.1	4.75	1.8	0.94	<0.3	1.94	30.2	81	0.38	830
RESS0064	3.44	1.28	4.45	18.2	5.59	1.9	1.08	<0.3	1.37	32.5	59	0.4	940
RESS0065	3.18	1.07	3.26	16.9	4.95	1.7	1.13	<0.3	1.47	33.1	51	0.41	530
RESS0066	2.95	0.99	4.44	20.5	4.98	2.1	1.04	<0.3	1.74	30	62	0.45	550
RESS0067	3.87	1.26	2.89	15.2	6.06	1.8	1.3	<0.3	1.41	38.4	47	0.52	1160
RESS0068	3.64	1.42	4.64	19.9	5.81	2.2	1.25	<0.3	1.85	36.2	101	0.47	1050
RESS0069	4.42	1.8	4.47	19.9	7.85	2	1.4	<0.3	1.61	46.5	71	0.5	970
RESS0070	2.56	0.86	3.77	15	4.35	1.7	0.85	<0.3	1.7	28.6	79	0.34	1370
RESS0071	3.9	1.43	4.63	20.8	6.99	1.7	1.35	<0.3	1.77	42.1	74	0.59	890
RESS0073	3.03	1.31	5.78	22.9	6.03	2	1.06	<0.3	2.53	34.5	145	0.49	1140
RESS0074	4.26	1.83	2.99	15.4	7.47	1.8	1.55	<0.3	1.43	50.7	39	0.59	1300
RESS0075	3.12	1.11	5.6	23.2	5.1	1.9	0.97	<0.3	2.36	31.2	120	0.4	850
RESS0076	3.63	1.26	2.66	13.8	6.17	1.6	1.15	<0.3	1.24	37.4	36	0.48	950
RESS0077	2.61	1.16	4.25	17.2	5.17	1.7	1	<0.3	2.03	30.9	59	0.51	1010
RESS0078	3.18	1.3	4.03	17.9	5.14	1.9	1.14	<0.3	1.62	33.7	57	0.45	950
RESS0079	3	1.04	3.84	17.1	4.95	1.8	1	<0.3	1.53	33.4	53	0.47	1040
RESS0080	2.66	0.97	2.84	14.5	3.92	1.8	0.9	<0.3	1.26	27.2	34	0.38	900
RESS0081	2.08	1.01	3.25	14.3	4.18	1.6	0.85	<0.3	1.2	27.2	44	0.34	880
RESS0082	3.23	1.17	4.21	19.7	5.46	1.8	1.06	<0.3	1.51	32	45	0.43	840
RESS0083	3.58	1.29	3.6	15.9	5.87	1.6	1.18	<0.3	1.3	35.8	43	0.46	890
RESS0084	2.52	1.18	2.97	15.6	4.3	1.4	0.99	<0.3	1.64	25.3	33	0.37	830
RESS0085	2.45	0.85	3.88	14.6	4.03	1.3	0.81	<0.3	1.56	22.8	60	0.28	750
RESS0086	3.54	1.36	5.35	22.7	6.48	1.6	1.37	<0.3	2.05	37.1	95	0.35	880
RESS0087	3.81	1.61	4.79	20.5	6.25	1.5	1.23	<0.3	2.04	39.9	84	0.47	1450
RESS0088	3.99	1.55	3.15	16	7.32	1.7	1.45	<0.3	1.56	44.8	48	0.61	920
RESS0089	3.24	1.47	5.33	22.2	5.9	1.7	1.14	<0.3	2.07	34.3	99	0.39	1000
RESS0090	3.25	1.34	4.36	19.3	5.63	1.8	1.07	<0.3	1.7	38.6	76	0.45	860
RESS0091	3.84	1.48	2.82	14.6	6.79	1.6	1.45	<0.3	1.2	46	37	0.57	710
RESS0092	2.38	1.03	3.14	16	4.35	1.1	0.75	<0.3	1.59	24.2	54	0.36	540
RESS0093	4.21	1.4	3.05	15.4	6.9	1.5	1.27	<0.3	1.45	44.6	47	0.6	980
RESS0094	3.51	1.03	3.78	17.4	5.79	1.4	1.1	<0.3	1.69	34.6	60	0.54	890
RESS0095	3.8	1.51	3.84	17.9	6.35	1.5	1.37	<0.3	1.67	42.5	55	0.59	1090
RESS0097	3.98	1.35	3.58	16.7	6.58	1.5	1.36	<0.3	1.54	39.6	59	0.6	890
RESS0098	2.25	0.87	3.1	11.6	3.85	1.3	0.8	<0.3	1.28	23.9	40	0.36	640
RESS0099	2.12	0.81	2.96	12	3.52	1.2	0.71	<0.3	1.25	21.4	35	0.3	630
RESS0100	3.68	1.36	3.33	14.8	5.85	1.5	1.15	<0.3	1.33	38.2	32	0.47	870
RESS0101	2.51	1.03	2.87	14.6	4.56	1.4	0.77	<0.3	1.68	26.7	31	0.36	670
RESS0102	3.28	1.12	3.16	15.3	5.18	1.6	1.04	<0.3	1.53	30.1	34	0.38	930
RESS0103	3.95	1.6	3.5	16.4	7.34	2	1.46	<0.3	1.31	43.2	42	0.56	860
RESS0104	2.59	0.99	3.52	18.6	4.3	1.8	0.87	<0.3	1.5	25.1	41	0.36	470
RESS0105	4.15	1.59	3.05	14.6	6.68	1.9	1.43	<0.3	1.24	42.9	36	0.52	1400
RESS0106	2.74	1.26	4.16	15.4	4.75	1.6	0.93	<0.3	1.49	25.5	39	0.39	950
RESS0107	3.57	1.55	4.23	17.9	6.13	2	1.29	<0.3	2.01	36	95	0.45	1100
RESS0108	3.07	1.28	4.62	20.5	5.31	1.8	1.06	<0.3	2.66	32.5	126	0.44	1280

Sample_ID	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L
	Mo	Nb	Nd	Ni	Pb	Pr	Rb	Re	Sb	Se	Sm	Sn	Sr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RESS0055	<2	13.7	22.8	110	26.3	6.39	87.7	<0.01	0.9	4	4.86	4	50
RESS0056	<2	12.7	25.8	170	24.8	6.68	106	<0.01	1.5	3	4.8	4	90
RESS0057	<2	12.9	26.8	150	22	6.85	101	<0.01	1.2	6	4.92	4	100
RESS0058	<2	12.5	23.7	150	70	6.63	105.5	<0.01	3.4	3	5.07	4	90
RESS0060	<2	16.3	33.4	130	32	9.07	107	<0.01	1.9	5	6.82	12	80
RESS0061	<2	14.3	29.5	150	24.5	7.77	111	<0.01	1.1	5	5.72	4	70
RESS0062	<2	13	24.8	510	26.8	6.51	129	<0.01	2.4	7	5.54	5	80
RESS0063	<2	14.2	26.3	140	26.7	6.95	116	<0.01	2.4	6	5.42	4	80
RESS0064	<2	13.5	29.5	150	35.2	7.85	102.5	<0.01	2.2	6	5.97	4	70
RESS0065	<2	16.1	29.1	100	28	7.52	91.8	<0.01	1.4	9	5.62	10	70
RESS0066	<2	13.7	25.9	160	53.4	7.34	115	<0.01	3	4	5.71	5	70
RESS0067	<2	18.2	32.4	80	36.2	9.19	90.3	<0.01	1.6	4	6.18	5	90
RESS0068	<2	15.2	32.2	160	33.6	8.66	118	<0.01	3.4	<3	6.93	6	70
RESS0069	<2	18.6	40.6	120	43.9	11.15	118	<0.01	2.6	<3	8.81	7	80
RESS0070	<2	11.5	25.7	160	69.7	7.01	93.2	<0.01	2.2	6	5	5	230
RESS0071	<2	17.7	36	110	36.1	9.77	119.5	<0.01	1.5	<3	7.81	5	70
RESS0073	2	14.1	31.8	230	46.5	7.99	159.5	<0.01	3	7	5.91	5	110
RESS0074	<2	22.5	45.7	60	30	11.9	90.5	0.01	1.6	8	9.22	4	100
RESS0075	<2	13.4	27.1	220	41	7.31	138.5	<0.01	2.7	<3	5.58	5	100
RESS0076	<2	18.9	33.2	60	25.5	9.55	77.9	<0.01	1.7	3	6.74	4	90
RESS0077	<2	13.4	26.5	130	37.8	7.35	109.5	<0.01	2.1	3	5.39	7	90
RESS0078	<2	15.2	29.3	100	34.5	8	110	<0.01	2.1	6	5.87	4	80
RESS0079	<2	15.1	28.4	130	34.7	7.73	96.4	<0.01	1.7	<3	5.42	4	60
RESS0080	<2	12.3	22.7	80	28.4	5.95	88.5	<0.01	1	3	4.89	4	160
RESS0081	<2	148	24.3	100	24.8	6.07	87.4	<0.01	2.3	5	4.43	11	170
RESS0082	<2	14.5	27.9	60	36.1	7.34	112	<0.01	1.7	4	5.83	4	100
RESS0083	<2	16.2	33.7	90	29.8	8.21	91.4	<0.01	1.6	<3	6.34	4	70
RESS0084	<2	11.4	22.1	50	26	5.83	98.4	<0.01	0.9	<3	4.78	4	150
RESS0085	2	9.6	20.9	160	38.7	5.45	87	<0.01	1.8	<3	4.51	4	150
RESS0086	<2	14.8	33.4	190	38.5	9.13	126	<0.01	2.5	<3	6.63	4	60
RESS0087	<2	17.5	34.1	140	45.7	9.42	127.5	<0.01	2.7	5	6.04	9	80
RESS0088	<2	21	38.5	70	30.3	10.05	99.1	<0.01	1.4	4	7.58	4	90
RESS0089	<2	13.7	28.5	200	39	7.54	131.5	<0.01	2.7	<3	5.97	5	70
RESS0090	<2	16.8	32.8	120	37.1	8.92	109.5	<0.01	1.9	5	5.75	4	70
RESS0091	<2	21.5	38.5	70	32.5	10.85	77	<0.01	1.6	<3	7.05	4	80
RESS0092	<2	11.8	22.5	140	18.5	5.89	89.8	<0.01	1.8	4	4.68	12	130
RESS0093	<2	20	39.1	70	28.7	10.75	96.9	<0.01	1.3	<3	7.81	5	90
RESS0094	<2	16.3	29.8	130	34.8	8.16	107	<0.01	2	4	5.83	5	70
RESS0095	<2	19.7	35.8	100	35.6	10.1	112	<0.01	2	3	7.11	5	80
RESS0097	<2	18.3	35.2	90	28.8	9.07	100.5	<0.01	2.3	4	7.49	5	80
RESS0098	<2	11	21	140	17.8	5.82	68	<0.01	1	<3	4.59	4	60
RESS0099	<2	9.7	19.1	120	37.5	4.87	65.1	<0.01	4.1	<3	3.83	4	80
RESS0100	<2	16.1	33.1	60	29.5	8.94	83.2	<0.01	1.6	<3	6.57	5	100
RESS0101	<2	11.2	23.2	40	28.3	6.48	89.6	<0.01	1.2	5	4.88	5	130
RESS0102	<2	13	27.7	50	37.7	7.32	94.4	<0.01	1.3	4	5.33	7	120
RESS0103	<2	20.2	39.8	50	35.7	10.6	88.8	<0.01	1.4	<3	7.38	4	90
RESS0104	<2	12.7	21.7	40	28.3	5.86	97	<0.01	1.1	5	4.75	5	100
RESS0105	<2	18.8	37	50	39.6	10.1	88	<0.01	1.5	4	7.47	4	110
RESS0106	<2	11.9	25.3	120	36.5	6.16	84.6	<0.01	1.3	4	4.9	4	120
RESS0107	<2	15.7	30	150	47.9	8.78	119	<0.01	2.3	7	6.16	5	100
RESS0108	<2	14.3	27.7	190	49.4	7.65	143.5	<0.01	2.7	<3	4.98	10	90

Sample_ID	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L
	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RESS0055	0.86	0.78	1	8.8	0.408	0.43	0.37	1.9	104	2.1	26.2	2.77	60
RESS0056	0.84	0.72	<0.5	9.4	0.415	0.53	0.42	2.2	127	2	27.9	2.78	100
RESS0057	0.87	0.7	0.6	9.5	0.436	0.52	0.4	2.2	131	1.7	28.4	2.74	90
RESS0058	0.82	0.85	<0.5	9.9	0.416	0.79	0.4	2.5	114	2.3	27.9	2.68	110
RESS0060	1.16	0.9	0.5	11.2	0.468	0.54	0.53	2.6	119	2.3	34.5	3.42	90
RESS0061	0.95	0.91	<0.5	10.5	0.412	0.67	0.45	2.1	122	1.9	32.1	2.87	90
RESS0062	1.76	0.76	0.5	10.1	0.423	0.53	0.46	2.2	144	1.7	29.8	2.91	100
RESS0063	0.96	0.73	0.6	9.6	0.433	0.55	0.42	2.3	123	2.1	28.4	2.62	80
RESS0064	1.78	0.89	0.5	10.5	0.391	0.62	0.45	2	126	2.1	30.4	3.23	80
RESS0065	1.02	0.81	0.6	10.4	0.489	0.53	0.45	2.5	109	2.5	29.8	3.17	70
RESS0066	0.87	0.76	<0.5	10.8	0.447	0.67	0.43	2.5	131	2.2	30.5	3.18	100
RESS0067	1.33	0.93	<0.5	12	0.572	0.54	0.6	3.4	101	2.5	35.4	3.62	70
RESS0068	0.95	1.02	<0.5	11.3	0.448	0.65	0.52	2.3	142	2.4	34.8	3.36	110
RESS0069	1.11	1.24	<0.5	14.1	0.525	0.81	0.58	2.6	133	2.6	39.5	3.67	90
RESS0070	0.77	0.73	<0.5	9.2	0.367	0.41	0.42	2.1	105	1.6	26.9	2.58	110
RESS0071	1.06	1.19	<0.5	12.9	0.514	0.73	0.53	2.6	137	2.4	35.6	3.81	100
RESS0073	1.26	0.89	0.5	11.4	0.414	0.75	0.48	2.3	169	2	32.5	2.85	120
RESS0074	1.44	1.17	<0.5	14.6	0.595	0.57	0.64	3.5	98	2.7	42.9	4.38	70
RESS0075	1.27	0.82	<0.5	11.3	0.412	0.71	0.4	2.2	171	1.8	28.6	3.35	130
RESS0076	1.25	0.9	<0.5	11.7	0.537	0.47	0.53	2.8	93	2.5	34.9	3.61	60
RESS0077	0.84	0.84	<0.5	9.9	0.407	0.64	0.45	2	125	2	29.2	2.95	130
RESS0078	0.9	0.98	<0.5	10.7	0.453	0.61	0.46	2.1	120	2.3	30.7	3.04	90
RESS0079	0.93	0.89	<0.5	10.5	0.462	0.52	0.47	2.2	115	2.2	31.2	3.12	80
RESS0080	1.18	0.72	<0.5	9.8	0.327	0.61	0.39	1.8	76	1.7	24.2	2.41	60
RESS0081	352	0.63	<0.5	10.2	0.327	0.43	0.44	6.7	98	3.3	25.2	2.45	70
RESS0082	0.92	0.87	<0.5	11	0.451	0.71	0.43	2.2	132	2.7	29.4	3.14	90
RESS0083	0.95	1	<0.5	10.7	0.45	0.55	0.46	2.3	106	2.3	33	2.97	90
RESS0084	0.75	0.74	<0.5	8.1	0.381	0.53	0.41	1.9	97	2.4	27.8	2.43	70
RESS0085	0.55	0.64	<0.5	8	0.32	0.42	0.31	2	108	1.6	21.3	2.08	120
RESS0086	0.95	1.02	<0.5	11.1	0.454	0.75	0.54	2.2	155	2.1	36	3.55	120
RESS0087	0.97	1.05	<0.5	12.5	0.506	0.72	0.59	2.6	146	2.6	36.3	3.57	110
RESS0088	1.7	1.14	<0.5	13.2	0.583	0.52	0.64	3.2	107	2.3	40.5	4.1	80
RESS0089	0.95	0.81	<0.5	11.1	0.425	0.71	0.51	2	157	2.1	31.8	3.4	110
RESS0090	0.98	0.95	<0.5	12	0.476	0.63	0.44	2.4	129	2.4	32.6	3.47	110
RESS0091	1.53	1.05	<0.5	13.3	0.616	0.55	0.61	3.2	94	2.6	40.1	3.97	70
RESS0092	16.45	0.7	<0.5	7.9	0.314	0.71	0.34	1.7	99	1.9	24.1	2.29	70
RESS0093	1.22	1.2	<0.5	13	0.566	0.6	0.66	3.1	103	2.6	41.5	4.28	70
RESS0094	0.97	0.94	<0.5	11	0.489	0.62	0.49	2.5	114	2.3	35	3.9	80
RESS0095	1.25	1.05	<0.5	13.1	0.557	0.61	0.54	2.9	123	2.5	36.8	3.95	90
RESS0097	1.67	0.94	<0.5	11.9	0.553	0.53	0.55	2.8	111	2.4	37.3	3.63	80
RESS0098	0.67	0.68	0.5	7.4	0.383	0.35	0.36	1.9	89	1.5	23.2	2.34	80
RESS0099	0.57	0.58	<0.5	7.4	0.358	0.34	0.26	1.5	87	1.5	20.7	2	90
RESS0100	0.99	0.93	<0.5	12	0.5	0.53	0.53	2.5	107	2.2	33.7	3.59	70
RESS0101	0.72	0.71	<0.5	8.9	0.386	0.53	0.38	1.8	88	2	23.9	2.31	70
RESS0102	0.97	0.8	<0.5	11	0.433	0.61	0.47	2.2	109	2.3	28.5	2.65	60
RESS0103	1.52	1.13	<0.5	14.1	0.589	0.56	0.6	3.3	117	2.8	41	4	70
RESS0104	0.98	0.68	<0.5	9	0.407	0.62	0.28	1.9	109	2.9	24.1	2.29	70
RESS0105	1.31	1.11	<0.5	13.6	0.574	0.54	0.53	3.2	106	2.7	38.8	3.98	70
RESS0106	0.78	0.7	<0.5	8.2	0.419	0.38	0.45	2	122	1.8	26.9	2.95	130
RESS0107	1.22	0.99	<0.5	11.5	0.484	0.57	0.52	2.8	131	2.2	35.4	3.78	100
RESS0108	0.95	0.87	<0.5	10.7	0.455	0.7	0.42	2.5	140	2.1	30.2	3.19	130

Sample_ID	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L
	Ag	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cs	Cu	Dy
	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
RESS0109	<5	24	108	433	2.5	0.5	0.4	<0.8	95.8	18.5	6.5	30	8.2
RESS0110	<5	45	136	403	2.1	0.6	3.1	<0.8	56.7	23.7	13.8	70	5.03
RESS0111	<5	72	111	461	2.6	0.6	0.4	<0.8	57.3	22.9	10.2	60	5.42
RESS0112	5	25	96	400	2.8	0.5	0.5	0.9	75	22.9	9.2	80	6.1
RESS0113	<5	58	142	372	2.2	0.6	0.9	<0.8	47.7	19.3	12	40	4.29
RESS0114	<5	53	112	414	2.2	0.5	0.9	0.8	60.1	25.8	14.4	60	5.04
RESS0115	<5	39	88	443	3	0.5	0.4	<0.8	74.1	26.9	11	80	6.04
RESS0116	<5	34	118	455	2.2	0.5	0.4	<0.8	70.7	25.8	10.3	50	5.98
RESS0117	<5	50	141	488	2.8	0.5	0.3	0.8	60	28.3	12.6	40	5.55
RESS0118	<5	24	110	438	2.2	0.4	0.4	<0.8	93.2	18	6	30	7.43
RESS0120	7	12	97	425	2.2	0.4	0.6	1.2	64.1	22.2	6	40	5.41
RESS0121	<5	19	84	405	2	0.4	6.3	<0.8	57.1	14.3	7.6	30	4.95
RESS0122	<5	24	45	422	2.2	0.3	4.3	<0.8	50.7	12.9	9.7	140	3.82
RESS0123	<5	17	53	448	2.5	0.4	0.5	0.8	61.8	18.3	7.3	30	4.86
RESS0124	<5	15	77	424	2.7	0.5	0.6	1	78.5	19.7	6	30	6.48
RESS0125	<5	17	56	418	2.2	0.4	1.3	<0.8	58.1	14.7	5.8	30	5.02
RESS0127	<5	12	36	455	2.6	0.4	0.8	<0.8	53.4	15	4.2	50	4.73
RESS0128	<5	18	53	478	2.4	0.3	0.7	<0.8	60.2	12.6	5.7	30	5.02
RESS0129	<5	17	63	433	2.4	0.4	0.5	<0.8	71.1	13.2	5.1	30	5.83
RESS0130	<5	17	67	400	2.3	0.4	0.7	<0.8	65	11	5.4	30	5.43
RESS0131	<5	15	49	439	2.2	0.4	0.9	<0.8	65.9	14.4	4.7	30	5.45
RESS0132	<5	20	71	441	2.1	0.4	0.7	<0.8	71.2	12.1	6	30	6.13
RESS0133	<5	24	111	371	2.3	0.4	2.1	<0.8	63.1	16	7.3	50	5.07
RESS0134	<5	15	99	408	2.1	0.4	0.5	<0.8	60.2	21.8	5.8	40	5.25
RESS0135	<5	41	109	447	2.4	0.6	0.4	<0.8	77	28.6	11.1	40	6.54
RESS0136	<5	21	85	453	2.3	0.5	0.5	<0.8	92.3	18.1	6.9	30	6.89
RESS0137	<5	35	92	411	2.7	0.5	0.4	0.8	64.4	22.8	11.2	30	5.64
RESS0138	<5	21	85	416	2.6	0.5	0.4	<0.8	82.2	14	7.7	20	6.48
RESS0139	<5	37	94	412	2.6	0.6	0.8	<0.8	62.7	25.2	12.4	60	5.08
RESS0140	<5	24	86	360	1.8	0.5	0.5	<0.8	70	18.8	6.8	110	5.39
RESS0141	<5	28	79	390	2.3	0.4	0.4	<0.8	81.2	25.6	7.2	120	6.89
RESS0142	<5	22	90	440	2.3	0.5	0.3	<0.8	83.6	19.1	8.6	30	6.57
RESS0143	<5	46	139	409	2.1	1	0.7	<0.8	50.9	26	12.7	70	4.85
RESS0144	<5	25	99	454	2.3	0.5	0.4	<0.8	82.8	17.9	8	30	6.65
RESS0145	<5	62	203	460	2.6	0.8	0.4	0.8	63	26.9	17.8	60	5.19
RESS0146	<5	9	81	381	1.8	0.5	1.3	0.9	54.4	22.3	5.7	40	4.53
RESS0147	<5	19	86	373	1.9	0.4	0.9	<0.8	53.6	20.4	5.6	40	4.8
RESS0148	<5	26	97	410	2.4	0.5	0.6	<0.8	72	20.3	8.8	50	5.56
RESS0149	<5	20	76	421	2.7	0.5	1	<0.8	76.3	17	7.8	30	6.23
RESS0150	5	17	49	389	2	0.5	0.7	0.9	54.4	14.8	7.5	160	4.72
RESS0151	<5	10	58	453	2.3	0.4	0.6	<0.8	75	10.4	4.8	20	6.34
RESS0153	<5	15	44	380	2.8	0.5	1.3	0.9	53.5	15.2	7.5	80	4.49
RESS0154	6	11	30	447	2.1	0.5	0.7	1	52.6	15	6.7	40	4.27
RESS0155	<5	16	39	439	1.9	0.4	0.6	<0.8	60.3	14	5.6	30	4.54
RESS0156	<5	17	45	440	2	0.5	0.6	<0.8	58.4	17.5	6.3	30	5.23
RESS0157	<5	16	46	428	1.7	0.4	0.7	<0.8	58.2	16.3	6.5	40	4.23
RESS0158	<5	19	63	439	2.3	0.5	0.9	<0.8	60.6	18.5	8.4	30	4.65
RESS0159	<5	14	61	436	2.6	0.4	0.8	<0.8	64.9	16.8	6.7	30	5.66
RESS0160	<5	17	72	395	1.9	0.4	0.7	<0.8	55.7	16.1	5.7	30	4.47
RESS0161	<5	81	186	477	2.8	0.9	1	0.8	69.6	33	17.1	60	5.8
RESS0162	<5	52	121	421	2.9	0.7	0.3	1	72	26.2	13	40	5.71
RESS0163	<5	43	95	480	2.6	0.6	0.5	<0.8	77.8	25.1	10	40	6.39
RESS0164	<5	40	115	456	2.6	0.5	1.4	<0.8	69.3	24.1	12.9	60	6.2
RESS0165	<5	61	139	483	2.6	1.1	2.2	<0.8	53.2	30	20.8	60	4.97

Sample_ID	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L
	Er	Eu	Fe	Ga	Gd	Ge	Ho	In	K	La	Li	Lu	Mn
	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
RESS0109	4.31	1.73	3.26	16	7.28	2.2	1.53	<0.3	1.55	47.4	51	0.59	980
RESS0110	2.78	1.38	4.31	17.5	5.04	1.8	0.98	<0.3	1.92	28.7	87	0.42	790
RESS0111	3.03	1.07	5.04	20.1	5.18	2.3	1.01	<0.3	1.97	29.3	87	0.45	670
RESS0112	3.44	1.31	4	18.1	6.18	2.1	1.32	<0.3	1.65	36.3	56	0.46	870
RESS0113	2.69	1.02	3.9	15.9	4.14	1.9	0.91	<0.3	1.77	23.6	72	0.41	750
RESS0114	3.16	1.27	4.15	18.8	4.94	1.9	1.09	<0.3	1.9	29.8	84	0.47	980
RESS0115	3.55	1.29	4.82	21.1	6.11	2.3	1.15	<0.3	1.6	37.8	65	0.5	960
RESS0116	3.49	1.39	4.23	18.5	5.69	2.2	1.22	<0.3	1.86	34.4	77	0.48	950
RESS0117	3.02	1.06	4.78	22.2	5.18	2.1	1.06	<0.3	2.35	30.3	96	0.43	920
RESS0118	4.27	1.71	3.32	16.4	6.53	2	1.45	<0.3	1.48	45.8	50	0.64	1030
RESS0120	3.53	1.21	3.73	17.1	5.33	2	1.1	<0.3	1.82	30.3	51	0.46	860
RESS0121	3.17	1.12	3.14	14.4	4.88	1.6	0.99	<0.3	1.39	29.5	38	0.35	640
RESS0122	2.15	0.91	3.29	16.1	4.42	1.9	0.87	<0.3	1.56	26.6	38	0.33	510
RESS0123	3	1.12	3.62	17.9	4.93	1.7	1.13	<0.3	1.52	30.9	40	0.44	1060
RESS0124	3.83	1.25	3.39	15.5	5.69	1.7	1.27	<0.3	1.44	37.7	37	0.5	1050
RESS0125	3.08	1.21	3.11	15.2	5.11	1.6	1.11	<0.3	1.44	30.1	34	0.33	870
RESS0127	2.48	1.1	2.96	15.8	4.4	1.7	0.88	<0.3	1.63	25.7	25	0.39	570
RESS0128	3.45	1.32	3.12	16.7	4.96	1.6	1.08	<0.3	1.71	29.4	34	0.38	780
RESS0129	3.72	1.2	3.23	15.7	5.57	1.7	1.15	<0.3	1.45	37.5	36	0.46	830
RESS0130	3.23	1.18	3.05	15.1	5.27	1.8	1.12	<0.3	1.33	33.1	37	0.47	580
RESS0131	3.79	1.21	2.74	13.9	5.04	1.6	1.29	<0.3	1.53	30.9	28	0.51	900
RESS0132	3.57	1.47	3.13	16.1	6.02	1.8	1.3	<0.3	1.41	36.9	36	0.52	750
RESS0133	3.54	1.22	3.26	15.4	5.55	2.1	1.13	<0.3	1.4	32.3	42	0.45	690
RESS0134	3.34	1.14	3.91	17.4	5.18	1.8	1.13	<0.3	1.67	29.7	50	0.46	970
RESS0135	3.45	1.29	4.41	19.5	5.63	1.8	1.22	<0.3	1.69	39.8	78	0.52	1090
RESS0136	3.99	1.54	3.34	16.7	7.43	1.7	1.46	<0.3	1.63	45.4	55	0.59	1130
RESS0137	3.32	1.19	4.11	18.6	5.87	1.9	1.16	<0.3	1.77	32.5	79	0.47	880
RESS0138	3.76	1.35	3.2	15.8	7.59	2	1.46	<0.3	1.69	40.9	51	0.56	730
RESS0139	2.75	1.24	4.13	18.2	5.48	2.1	1.13	<0.3	1.8	33.3	69	0.43	950
RESS0140	2.87	1.19	3.61	16.8	6.19	2	1.18	<0.3	1.49	36.6	54	0.56	780
RESS0141	3.53	1.44	4.01	17.7	7	2.2	1.38	<0.3	1.31	40.2	56	0.54	1070
RESS0142	3.49	1.49	3.73	18.7	7	2	1.38	<0.3	1.87	42.1	61	0.58	890
RESS0143	2.66	1.24	4.12	17	5.04	1.5	0.95	<0.3	2.12	27.7	88	0.45	900
RESS0144	3.86	1.39	3.59	17.2	6.6	2	1.39	<0.3	1.93	41.8	68	0.63	920
RESS0145	2.82	1.16	5	22.2	5.51	1.8	0.99	<0.3	2.56	31.6	138	0.43	880
RESS0146	3	1.13	3.84	16.5	4.69	1.9	1.06	<0.3	1.78	27.1	53	0.44	700
RESS0147	2.77	0.99	4.03	17.1	5.2	1.9	0.94	<0.3	1.74	26.7	58	0.36	1080
RESS0148	3.49	1.28	4.11	19.4	6.56	2.5	1.23	<0.3	1.57	36.6	56	0.42	860
RESS0149	3.36	1.29	3.72	16.6	6.24	2	1.27	<0.3	1.47	37.8	43	0.46	910
RESS0150	2.52	1.05	3.39	16.9	4.78	1.7	0.9	<0.3	1.56	27.4	40	0.29	560
RESS0151	3.3	1.38	2.81	15	6.62	1.6	1.23	<0.3	1.74	37.9	36	0.49	820
RESS0153	2.47	1.1	3.83	17.4	4.92	1.6	0.92	<0.3	1.74	27.1	43	0.37	770
RESS0154	2.47	1.01	3.29	16.8	4.72	2	0.88	<0.3	1.76	24.4	36	0.43	710
RESS0155	2.51	1.11	3.08	16.5	5.15	1.7	0.92	<0.3	1.55	30	33	0.34	570
RESS0156	2.8	1.07	3.45	17.6	4.98	1.9	1	<0.3	1.62	28.6	38	0.4	810
RESS0157	2.42	1.05	3.24	15.2	4.69	1.7	0.91	<0.3	1.58	29	36	0.3	700
RESS0158	2.62	1.03	3.37	16	5.16	1.7	0.97	<0.3	1.68	30.1	45	0.39	940
RESS0159	3.19	1.27	3.2	16.8	6.24	2	1.16	<0.3	1.62	33.6	40	0.44	820
RESS0160	2.87	1.1	3.02	13.9	4.97	1.2	0.94	<0.3	1.73	27.7	38	0.42	840
RESS0161	2.98	1.18	4.91	20.8	5.66	2	1.16	<0.3	2.44	34.3	109	0.48	1170
RESS0162	3.03	1.26	4.2	20.8	5.67	1.8	1.16	<0.3	1.97	33.5	98	0.45	790
RESS0163	3.73	1.43	4.08	18	6.88	2	1.39	<0.3	1.84	41.2	65	0.56	1170
RESS0164	3.31	1.41	4.61	21.3	6.05	2.3	1.26	<0.3	1.91	36.5	86	0.49	860
RESS0165	2.4	1.03	4.92	20.7	5.07	1.9	0.93	<0.3	2.19	29	103	0.45	960

Sample_ID	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L
	Mo	Nb	Nd	Ni	Pb	Pr	Rb	Re	Sb	Se	Sm	Sn	Sr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RESS0109	<2	21.6	39.3	80	36.6	10.75	110	<0.01	1.7	<3	8.25	8	100
RESS0110	<2	12.8	26.9	190	35.6	7.06	113	<0.01	3.5	<3	5.55	5	90
RESS0111	<2	12.4	27.1	190	28.5	7.06	118.5	<0.01	2.9	5	5.18	5	60
RESS0112	<2	17.4	32	120	37.2	8.93	104.5	<0.01	2.4	<3	6.69	5	80
RESS0113	<2	11.3	21.6	190	29.4	5.77	96.4	<0.01	6.3	3	4.61	4	90
RESS0114	<2	13.5	25.7	170	31	7.03	109	<0.01	2.4	<3	5.23	4	90
RESS0115	<2	15.5	32.8	130	43.9	8.64	116.5	<0.01	3.1	4	6.37	9	60
RESS0116	<2	15.5	31.7	150	36.5	7.9	117.5	<0.01	2.5	5	6.88	4	70
RESS0117	<2	14.5	24.8	200	37.9	6.88	142	<0.01	2.7	3	5.49	11	80
RESS0118	<2	20.9	40.7	90	33.2	11.05	97.4	<0.01	2	4	7.15	8	90
RESS0120	<2	15	27.4	140	25.2	7.73	103.5	<0.01	1.2	4	6.06	14	70
RESS0121	<2	12.4	26.6	60	20.1	6.96	85.4	<0.01	1.3	<3	5.22	4	170
RESS0122	<2	10.7	24	40	28.2	6.2	96.9	<0.01	1.3	<3	4.74	3	180
RESS0123	<2	14.7	25.5	50	35.5	7.12	102	<0.01	1.4	<3	5.13	11	100
RESS0124	<2	17.3	31.9	60	35.1	8.95	94	<0.01	1.9	5	6.69	4	110
RESS0125	<2	12.6	25.3	50	27.4	7.13	91.8	<0.01	0.9	3	5.76	3	110
RESS0127	<2	12.1	24.5	40	26.8	6.49	86.2	<0.01	1.1	<3	4.57	10	170
RESS0128	<2	13.7	24.3	40	30.5	6.68	101.5	<0.01	1	<3	5.12	4	130
RESS0129	<2	17	31.8	50	36	8.27	97.4	<0.01	1.5	6	6.29	5	100
RESS0130	<2	15.6	30.1	40	35.5	7.98	94.2	<0.01	1.5	7	5.77	9	120
RESS0131	<2	13.2	28.2	40	29.4	7.55	88.3	<0.01	1.3	5	5.86	3	140
RESS0132	<2	16.8	31.7	50	30.3	8.91	100	<0.01	1.2	3	6.22	3	120
RESS0133	<2	16.1	29.5	70	29.3	7.71	89.2	<0.01	1.6	4	5.72	<3	120
RESS0134	<2	14	27	130	26.8	6.85	106	<0.01	1.2	7	5.23	10	70
RESS0135	<2	18	33.4	130	51.1	8.89	117.5	<0.01	2.5	<3	6.49	5	80
RESS0136	<2	20.5	42.8	80	33.9	10.7	103	<0.01	1.7	<3	8.64	7	90
RESS0137	<2	15.3	30.2	120	36.7	7.57	112.5	<0.01	2.4	<3	5.8	6	70
RESS0138	<2	19.4	39.7	90	28.5	9.73	105	0.01	2.1	4	6.7	5	80
RESS0139	<2	14.7	30.3	150	41.3	7.26	110.5	<0.01	2.8	<3	5.91	11	50
RESS0140	<2	17.4	35.2	100	32.6	8.12	93	<0.01	2.5	<3	5.79	11	70
RESS0141	<2	18.6	38.7	90	37.8	8.99	94.5	0.01	2	<3	6.62	9	70
RESS0142	<2	19.9	37.9	100	30.9	9.59	114.5	<0.01	2.3	<3	7.12	11	80
RESS0143	<2	12	25	190	46.2	6.18	115.5	<0.01	4.5	<3	4.82	9	60
RESS0144	<2	20.2	37.7	80	33.7	9.26	118.5	<0.01	1.5	<3	6.89	6	80
RESS0145	2	14.1	29.7	190	45.3	7.35	137.5	<0.01	2.7	<3	5.66	11	80
RESS0146	<2	13.9	24.1	130	21.3	6.26	98.9	<0.01	1	<3	4.93	6	80
RESS0147	<2	13	24.7	130	22.6	6.29	94.2	<0.01	1.4	<3	4.41	6	70
RESS0148	<2	17.5	33.7	80	33.2	8.16	112.5	0.01	1.6	<3	6.13	11	80
RESS0149	<2	17.3	37.6	60	32.5	8.39	100.5	<0.01	1.4	3	5.85	9	110
RESS0150	<2	14	24.8	40	32.6	6.19	90.5	<0.01	1.4	<3	4.52	5	90
RESS0151	<2	18.2	35.8	40	25.2	8.77	96.5	<0.01	1	3	6.31	10	110
RESS0153	<2	11.5	26.2	40	29	6.46	105.5	<0.01	1.5	<3	5.4	5	100
RESS0154	<2	11.7	23.1	30	33	5.81	96.7	<0.01	1.4	<3	4.55	13	120
RESS0155	<2	13.4	28.7	40	26.8	6.9	91.5	<0.01	1.3	4	5.54	10	100
RESS0156	<2	13.8	27.6	40	31.9	6.43	97.7	<0.01	1.5	<3	5.58	9	100
RESS0157	<2	13.1	27.8	40	31.2	6.5	86.6	<0.01	1.4	3	5.12	6	90
RESS0158	<2	14.2	28.2	60	35.4	6.58	95.8	0.02	1.5	<3	4.94	5	110
RESS0159	<2	14.3	31.9	50	24.3	7.44	91.5	0.01	1.1	<3	6.27	5	110
RESS0160	<2	14.8	27.2	90	25.1	5.81	88.8	0.01	1.4	<3	3.83	6	80
RESS0161	<2	15.4	31.7	190	54.7	7.71	136.5	0.01	4	3	5.25	9	90
RESS0162	<2	16.2	31.3	140	57.9	8.07	124.5	<0.01	2.3	<3	5.1	7	60
RESS0163	<2	19.2	35.1	110	40.6	8.5	117	<0.01	2.3	3	6.7	6	90
RESS0164	<2	18.1	35.1	140	35.8	7.84	117	<0.01	2.2	<3	5.31	6	100

Sample_ID	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L
	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RESS0109	1.43	1.24	<0.5	14.4	0.634	0.58	0.71	3.8	115	3	43.4	4.16	80
RESS0110	0.77	0.83	<0.5	9.7	0.392	0.6	0.4	2.1	124	1.9	28.9	2.73	130
RESS0111	0.81	0.8	<0.5	9.9	0.413	0.55	0.43	2.1	143	1.9	29.3	2.8	100
RESS0112	1.13	1.01	0.6	11.5	0.504	0.62	0.5	2.6	120	2.3	34.3	3.56	120
RESS0113	0.76	0.72	<0.5	9	0.384	0.52	0.34	2.2	110	1.9	25.5	2.54	110
RESS0114	0.93	0.88	<0.5	10	0.442	0.56	0.47	2.3	127	2	29.2	2.96	120
RESS0115	1.04	0.99	<0.5	11.7	0.473	0.71	0.56	2.4	141	2.5	35	3.23	120
RESS0116	1.2	0.95	<0.5	10.8	0.467	0.59	0.52	2.5	130	2.2	34	3.49	100
RESS0117	0.96	0.82	<0.5	10.2	0.463	0.74	0.42	2.6	149	2.3	30.3	2.95	120
RESS0118	1.4	1.21	<0.5	13.5	0.616	0.49	0.63	3.4	113	2.7	42.1	3.73	80
RESS0120	1.03	0.87	<0.5	9.8	0.475	0.41	0.44	2.6	119	2	30.6	3.21	90
RESS0121	0.85	0.83	<0.5	9.6	0.384	0.43	0.38	2	99	2.2	26.8	2.59	70
RESS0122	0.73	0.72	<0.5	9.2	0.35	0.59	0.31	1.9	104	2.4	22.8	1.88	90
RESS0123	1	0.83	<0.5	10.2	0.483	0.6	0.44	2.5	123	2.9	29.8	2.93	80
RESS0124	1.16	0.96	<0.5	12.1	0.51	0.55	0.54	2.8	115	2.4	37.9	3.78	80
RESS0125	0.78	0.79	<0.5	9.2	0.392	0.56	0.37	2	103	2.3	28.4	2.78	80
RESS0127	0.86	0.74	<0.5	8.6	0.412	0.5	0.41	2.4	104	1.9	26	2.83	70
RESS0128	0.85	0.87	<0.5	10	0.448	0.51	0.42	2.4	109	2.3	28.2	2.66	70
RESS0129	1.17	0.98	<0.5	11.6	0.503	0.55	0.46	2.8	111	2.6	34.8	3.36	80
RESS0130	1.05	0.93	<0.5	10.7	0.48	0.47	0.48	3.4	107	2.3	31	3.11	70
RESS0131	0.84	0.91	<0.5	10.9	0.435	0.41	0.48	2.7	93	2.1	35	3.67	50
RESS0132	1.11	1	<0.5	11.8	0.511	0.51	0.52	2.9	105	2.4	36.4	3.46	60
RESS0133	1.04	0.91	<0.5	10	0.455	0.55	0.5	2.2	100	1.8	33.3	3.21	70
RESS0134	0.9	0.92	<0.5	9.5	0.446	0.44	0.49	2.4	127	2.1	31.4	3	100
RESS0135	1.08	0.94	<0.5	12.2	0.543	0.59	0.47	2.9	138	2.7	35.4	3.44	90
RESS0136	1.36	1.27	<0.5	12.7	0.621	0.66	0.59	3.6	106	2.6	40.1	3.94	80
RESS0137	1.02	0.98	<0.5	9.6	0.489	0.66	0.49	2.4	121	2	31.6	3.48	90
RESS0138	1.23	1.13	<0.5	11.1	0.616	0.56	0.61	3	105	2.7	39.7	4.06	80
RESS0139	0.96	0.94	<0.5	9.4	0.494	0.69	0.4	2.2	120	2.4	30.7	2.58	100
RESS0140	1.26	0.86	<0.5	10.1	0.561	0.59	0.49	2.7	109	2.2	34.9	3.24	90
RESS0141	1.27	1.12	<0.5	11	0.538	0.62	0.6	2.8	121	2.4	37.7	3.76	80
RESS0142	1.28	1.1	<0.5	11.6	0.618	0.71	0.63	3	118	2.8	37.4	3.83	90
RESS0143	0.79	0.67	<0.5	8	0.398	0.69	0.42	2	111	2	26.8	2.41	110
RESS0144	1.22	1.12	<0.5	11.7	0.606	0.72	0.59	3.2	119	2.6	38.7	3.9	80
RESS0145	1.03	0.94	<0.5	9.2	0.445	0.74	0.43	2.4	146	4.8	27.3	2.76	120
RESS0146	0.88	0.8	<0.5	8.5	0.444	0.45	0.41	2.1	116	1.9	28.6	2.93	90
RESS0147	0.77	0.88	<0.5	8	0.431	0.47	0.44	2.1	111	1.8	27.7	2.59	90
RESS0148	1.16	1.05	<0.5	10.4	0.508	0.74	0.47	2.5	119	2.4	32.9	3.38	90
RESS0149	1.06	0.98	<0.5	10.8	0.509	0.54	0.49	2.6	116	2.4	35.5	3.47	80
RESS0150	0.82	0.72	<0.5	8.4	0.421	0.64	0.43	2	108	2.4	24.1	2.54	90
RESS0151	1.13	0.94	<0.5	10.7	0.559	0.58	0.57	2.8	94	2.4	34.5	3.59	70
RESS0153	0.76	0.79	<0.5	8.9	0.408	0.65	0.44	2	126	2.9	26.5	2.58	80
RESS0154	0.69	0.75	<0.5	8.5	0.383	0.62	0.36	2	110	2.5	24.8	2.29	60
RESS0155	0.84	0.67	<0.5	9.2	0.452	0.51	0.43	2.2	92	2.2	25.3	2.69	60
RESS0156	0.76	0.79	<0.5	9.3	0.448	0.63	0.37	2.2	110	2.6	25.8	2.64	60
RESS0157	0.79	0.77	<0.5	8.8	0.439	0.57	0.37	2	102	2.4	24.6	2.5	80
RESS0158	0.98	0.84	<0.5	9.2	0.448	0.67	0.43	2.2	106	2.4	27.7	2.63	90
RESS0159	0.91	0.97	<0.5	9.2	0.47	0.49	0.48	2.3	100	2.4	32.8	3.32	80
RESS0160	0.92	0.73	<0.5	7.9	0.453	0.48	0.42	2.3	98	2	26.7	2.61	90
RESS0161	0.94	0.87	<0.5	10.1	0.457	0.7	0.41	2.3	144	2	31.8	3.28	110
RESS0162	1.08	0.86	<0.5	10.2	0.513	0.67	0.44	2.5	127	2.2	30	3.29	100
RESS0163	1.24	1.09	<0.5	11.1	0.581	0.69	0.58	2.9	129	2.8	36.5	3.81	110
RESS0164	1.25	0.97	<0.5	10.6	0.53	0.69	0.51	2.6	131	2.1	31.2	3.43	100
RESS0165	0.75	0.75	<0.5	9.1	0.381	0.94	0.35	2.3	147	2	26.6	2.69	130
RESS0165	<2	11.3	25.8	240	57.8	6.27	136.5	<0.01	4.6	<3	4.84	6	150

Sample_ID	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L
	Ag	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cs	Cu	Dy
	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
RESS0166	<5	20	68	422	2.2	0.6	0.8	<0.8	68.2	21.3	9.4	40	5.79
RESS0167	<5	16	58	417	2.2	0.3	2.4	<0.8	56.5	15.2	7.2	50	4.81
RESS0168	<5	21	74	399	2.2	0.4	0.5	<0.8	89.2	15.8	5.7	30	6.87
RESS0169	<5	21	65	412	2.8	0.5	0.5	0.8	83.1	17.6	6.5	30	6.64
RESS0170	<5	28	141	458	2.4	0.7	0.7	0.9	57.7	19.2	14.7	50	5.07
RESS0171	<5	19	96	407	2.5	0.5	0.5	<0.8	61.8	18	7.7	40	5.48
RESS0172	<5	14	76	391	2.6	0.4	0.4	<0.8	77.3	18.9	5.9	30	6.1
RESS0173	<5	16	67	433	2.4	0.5	0.5	<0.8	73.9	13.5	6.5	20	5.92
RESS0174	5	11	25	488	2.4	0.5	0.8	<0.8	47.6	13.7	4.7	110	3.73
RESS0175	<5	14	41	460	2.8	0.3	0.6	<0.8	60.2	14.1	6.6	20	4.63
RESS0176	<5	15	66	408	1.9	0.4	0.5	<0.8	77.7	10.7	4.7	20	6.23
RESS0177	<5	13	42	442	1.9	0.4	0.7	<0.8	52.9	14.1	6.1	20	4.57
RESS0179	<5	27	80	440	2.4	0.5	0.6	<0.8	74.9	20.6	10.5	40	6.03
RESS0180	<5	15	85	375	1.9	0.5	0.4	<0.8	62.4	14.6	5.5	30	5.96
RESS0181	<5	33	93	440	2.3	0.6	0.6	<0.8	58.5	17.5	11.2	40	5.35
RESS0182	<5	22	83	279	1.5	0.4	15.3	<0.8	36.9	11	11.1	40	2.86
RESS0183	9	13	61	400	2.1	0.4	0.5	0.8	59.7	16.1	5.8	20	4.91
RESS0184	<5	20	48	423	2.4	0.4	0.6	<0.8	56.3	15.9	8	30	4.4
RESS0185	<5	19	59	392	2.6	0.5	0.9	<0.8	57.5	16.9	9.3	40	5.2
RESS0186	<5	18	67	367	2.4	0.4	0.5	<0.8	65.8	17.8	8.4	30	5.06
RESS0187	5	21	48	460	2.4	0.5	1.1	1	60	16.7	8.9	140	5.64
RESS0188	<5	15	55	396	2.3	0.5	0.5	<0.8	66.6	13.6	7.8	30	6.04
RESS0190	<5	14	46	428	1.9	0.4	0.6	<0.8	53.6	16.1	6.5	30	4.13
RESS0191	<5	16	49	379	1.8	0.4	0.8	<0.8	49.2	13.3	7.2	30	4.17
RESS0192	<5	44	149	436	2.4	0.7	0.9	<0.8	53.9	23.8	17	50	4.45
RESS0193	<5	13	89	430	1.9	0.3	0.5	<0.8	54.3	21.4	6.4	40	5.15
RESS0194	<5	20	86	425	1.9	0.5	0.5	<0.8	69.7	16.6	7.8	30	5.71
RESS0195	5	19	61	413	2.2	0.5	2.1	<0.8	52.4	15.1	9	40	4.41
RESS0196	<5	10	32	419	1.9	0.3	1.2	<0.8	50	10.7	4.7	20	4.27
RESS0197	<5	15	53	415	2.2	0.4	0.4	<0.8	58.6	14.9	7	20	4.38
RESS0198	<5	13	69	404	1.7	0.3	0.5	<0.8	75	10.2	5.3	20	5.83
RESS0199	<5	16	68	368	1.7	0.4	0.5	<0.8	75.2	8.9	4.8	20	6.93
RESS0200	<5	14	45	457	2.1	0.4	0.7	<0.8	50.4	12.1	7	30	4.94
RESS0201	<5	45	146	438	2.6	0.8	0.8	<0.8	53.1	22.9	19.2	50	3.91
RESS0202	<5	14	51	426	2.1	0.4	0.6	<0.8	60.3	14.5	6.2	20	4.71
RESS0203	7	18	58	426	2.3	0.5	0.6	1.1	78.5	16.4	6.3	30	6.07
RESS0204	<5	14	36	468	2.8	0.4	0.6	<0.8	51.7	15.3	6.6	30	4.24
RESS0205	5	18	71	431	2.4	0.5	0.4	<0.8	69.6	12.5	5.4	20	5.57
RESS0206	<5	16	54	486	2.3	0.4	0.5	<0.8	60.2	14.9	6.2	30	5.06
RESS0207	8	52	140	539	3	0.7	0.6	1.1	80.3	25	14.1	40	5.65
RESS0208	6	13	76	407	2.2	0.5	0.6	0.9	56.8	20.9	6.2	40	5.02
RESS0209	<5	21	69	423	2.6	0.4	0.5	0.8	73.3	13.1	5.3	20	6.06
RESS0210	6	15	51	421	2.8	0.5	0.6	0.9	65.7	17.1	6.4	30	5.39
RESS0211	5	18	58	371	2.6	0.4	0.5	<0.8	73.9	11.8	4.7	20	5.91
RESS0212	6	14	62	426	1.9	0.5	0.5	1	81.5	16	4.7	20	6.6
RESS0213	6	15	28	460	2.3	0.5	0.7	1	53.1	9.8	5.9	20	4.17
RESS0214	6	16	64	429	2.1	0.5	0.5	1	84.2	19.1	5.7	40	6.44
RESS0216	5	12	82	405	2.4	0.4	0.9	0.8	55.5	21.7	5.8	40	5.07
RESS0217	6	14	67	449	2.5	0.4	0.7	0.8	66.8	14.5	6.1	30	5.22
RESS0218	6	27	43	253	0.8	0.4	9.9	1.1	33.6	11.2	3	30	2.45
RESS0219	<5	17	59	435	2.9	0.5	0.6	<0.8	68.5	15.9	7.4	30	6.18
RESS0220	5	8	34	250	1.4	0.3	3.8	1	30.6	26.5	3.1	90	4.26
RESS0221	7	15	65	421	2.4	0.4	1	1	60.9	14.4	5.2	30	5.15
RESS0222	6	13	43	467	2.6	0.6	1.1	0.9	60.9	18.9	7.9	40	5.07

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	Er	Eu	Fe	Ga	Gd	Ge	Ho	In	K	La	Li	Lu	Mn
	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
RESS0166	3.22	1.4	4.07	18.9	5.74	2	1.13	<0.3	1.53	34.9	45	0.44	1000
RESS0167	2.67	1.03	3.3	15.5	4.69	1.9	0.96	<0.3	1.59	28	38	0.35	840
RESS0168	4.11	1.55	3.32	16.2	7.19	1.6	1.38	<0.3	1.39	43.7	43	0.59	930
RESS0169	3.97	1.4	3.35	16	6.89	1.7	1.38	<0.3	1.34	42.2	47	0.57	1130
RESS0170	3.22	1.14	3.96	18.1	5.42	1.6	1.06	<0.3	2.23	31.8	93	0.41	750
RESS0171	3.12	1.06	3.98	18	5.1	1.6	1.16	<0.3	1.76	33.6	68	0.46	750
RESS0172	3.84	1.35	3.22	15.4	6.27	2	1.2	<0.3	1.4	43.7	43	0.42	1070
RESS0173	3.75	1.31	3.11	15.5	6.51	1.8	1.27	<0.3	1.57	40	41	0.53	870
RESS0174	2.11	0.86	2.4	14.7	3.97	1.5	0.74	<0.3	1.71	27.3	25	0.25	390
RESS0175	3.17	1.04	2.96	14.7	4.81	1.6	0.94	<0.3	1.65	32.1	35	0.44	1210
RESS0176	3.6	1.2	2.86	13.8	6.57	1.6	1.24	<0.3	1.39	43.4	35	0.56	800
RESS0177	2.61	0.85	2.82	15.2	4.3	1.5	0.8	<0.3	1.65	27.2	34	0.4	1110
RESS0179	3.43	1.3	3.8	15.8	6.54	1.8	1.25	<0.3	1.65	40.3	56	0.46	1080
RESS0180	3.24	1.07	3.07	14.9	5.64	1.6	1.14	<0.3	1.59	35	58	0.48	640
RESS0181	2.96	0.92	3.88	17.6	5.15	1.8	1.03	<0.3	1.82	32.6	68	0.4	760
RESS0182	1.84	0.71	2.57	11.9	3.33	1.8	0.62	<0.3	1.21	19.55	47	0.24	570
RESS0183	3.42	1.07	3.02	14.8	5.29	1.6	0.94	<0.3	1.5	33.3	36	0.45	1020
RESS0184	2.69	1.17	3.43	16.7	5.26	1.9	1.03	<0.3	1.57	31.2	41	0.4	800
RESS0185	2.81	1.12	3.92	17	5.41	1.6	1.01	<0.3	1.68	33.3	43	0.4	810
RESS0186	2.89	1.01	3.61	16.7	5.81	1.8	1.08	<0.3	1.48	36.3	42	0.39	770
RESS0187	3.09	1.08	3.9	18.7	5.4	1.9	1.06	<0.3	1.8	30.8	47	0.43	720
RESS0188	3.49	1.18	3.59	16.3	6.26	2.1	1.16	<0.3	1.58	35.5	43	0.51	710
RESS0190	2.56	0.95	3.12	15.4	4.33	1.8	0.85	<0.3	1.61	29	35	0.42	1020
RESS0191	2.7	0.96	3.17	14.7	4.78	1.5	0.85	<0.3	1.56	26.8	41	0.37	520
RESS0192	2.74	0.99	4.32	18.9	4.36	1.7	0.82	<0.3	2.25	32.1	117	0.45	920
RESS0193	2.85	1.28	3.83	16.9	4.83	1.9	1.04	<0.3	1.98	29	56	0.45	880
RESS0194	3.4	1.21	3.09	15.5	5.74	2	1.23	<0.3	1.73	37.1	51	0.55	930
RESS0195	2.45	0.98	3.42	17.2	4.59	1.5	0.8	<0.3	1.66	28	46	0.34	760
RESS0196	2.82	0.92	2.58	12.7	4.88	1.5	0.98	<0.3	1.7	28.1	25	0.43	680
RESS0197	2.9	0.92	3.05	16.2	4.51	1.7	0.89	<0.3	1.62	35.4	35	0.39	1060
RESS0198	3.64	1.23	2.71	14.2	6.31	1.6	1.17	<0.3	1.52	41.6	34	0.5	660
RESS0199	4.25	1.29	2.71	13.4	6.99	1.7	1.34	<0.3	1.43	42	33	0.61	650
RESS0200	2.84	0.95	2.79	14.9	4.65	1.8	1.02	<0.3	1.77	27.2	34	0.47	800
RESS0201	2.87	1.1	4.32	18.6	4.71	1.7	0.91	<0.3	2.41	29.5	106	0.31	900
RESS0202	2.68	1.04	2.93	15.1	4.59	1.4	0.94	<0.3	1.7	30.4	43	0.36	910
RESS0203	3.37	1.34	3.28	16.6	5.79	2.2	1.18	<0.3	1.5	40.6	48	0.47	900
RESS0204	2.52	0.97	3.43	17.3	4.1	1.8	0.82	<0.3	1.57	27.1	39	0.38	670
RESS0205	3.88	1.3	3.04	15.8	6.02	1.9	1.25	<0.3	1.51	39.5	42	0.56	830
RESS0206	3.19	0.99	3.26	17	5.52	1.9	1.07	<0.3	1.62	31.8	46	0.4	1020
RESS0207	3.47	1.48	4.39	20.8	5.93	2.2	1.27	<0.3	2.51	40	89	0.39	1110
RESS0208	3.51	1.02	3.69	16.7	5.35	1.7	1.07	<0.3	1.72	29.1	54	0.45	750
RESS0209	4.19	1.4	2.96	15.5	5.89	2	1.21	<0.3	1.53	38.5	42	0.51	830
RESS0210	3.11	1.35	3.43	17.1	5.88	1.7	1.08	<0.3	1.51	32.7	42	0.5	880
RESS0211	3.19	1.3	2.81	13.8	6.01	2.1	1.27	<0.3	1.13	38	33	0.5	810
RESS0212	4.19	1.38	2.89	14.3	6.12	1.8	1.34	<0.3	1.29	42.6	34	0.52	1150
RESS0213	2.33	1.12	2.91	16	4.19	1.4	0.65	<0.3	1.6	28.1	27	0.4	450
RESS0214	4.03	1.43	3.28	16.7	6.59	2	1.3	<0.3	1.36	40.9	40	0.54	1040
RESS0216	3.14	1.18	3.74	16.9	5.18	1.7	1.05	<0.3	1.74	29.9	50	0.43	780
RESS0217	3.6	1.25	3.19	17.4	5.53	2	1.03	<0.3	1.57	33.5	49	0.41	810
RESS0218	1.45	0.63	2.06	8.9	2.47	1	0.52	<0.3	0.98	16.9	22	0.17	670
RESS0219	3.23	1.29	4.04	19.8	5.92	1.8	1.14	<0.3	1.55	38.7	43	0.49	500
RESS0220	2.76	0.98	4.57	15.1	4.1	1.2	0.88	<0.3	0.95	15.45	19	0.35	1400
RESS0221	3.01	1.07	3.23	15.7	4.85	1.7	1.02	<0.3	1.64	31.3	40	0.43	750
RESS0222	2.76	1.09	3.54	17.5	4.85	1.6	0.98	<0.3	1.48	28.9	37	0.34	1130

Sample_ID	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L
	Mo	Nb	Nd	Ni	Pb	Pr	Rb	Re	Sb	Se	Sm	Sn	Sr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RESS0166	<2	15.8	31.4	70	34.8	7.26	103	<0.01	1.6	<3	6.39	6	90
RESS0167	<2	12.7	26.9	50	30.9	6.54	90.1	<0.01	1.2	<3	5.1	3	120
RESS0168	<2	21.5	40.6	60	30.8	9.93	91.3	<0.01	1.4	<3	7.84	4	100
RESS0169	<2	19.4	37.4	60	36.9	10.1	90.3	<0.01	1.5	3	6.99	8	90
RESS0170	<2	14.1	26.4	130	37.1	7.69	129	<0.01	2	3	5.73	4	90
RESS0171	<2	15.4	28.6	110	28.8	7.76	107.5	<0.01	1.8	<3	5.87	4	80
RESS0172	<2	17.9	34.3	60	33.4	9.69	88.9	<0.01	1.4	6	7.33	5	80
RESS0173	<2	17.6	35.5	40	30.5	9.75	99.9	<0.01	1.3	4	6.82	4	90
RESS0174	<2	10.1	20.6	50	30.9	6.03	80.4	<0.01	1.3	5	3.79	4	150
RESS0175	<2	13	26.4	40	37	7.5	103	<0.01	1.8	<3	5.21	4	100
RESS0176	<2	18.3	37.5	50	27.7	10.4	87.6	<0.01	1.4	<3	6.78	5	90
RESS0177	<2	12.2	24.5	40	36	6.62	95.6	<0.01	1	<3	4.56	4	100
RESS0179	<2	17.5	34.2	90	38.1	9.35	108.5	<0.01	1.7	<3	7.04	6	80
RESS0180	<2	16.5	28.7	80	27.9	7.85	96.5	<0.01	1.5	3	5.65	4	70
RESS0181	<2	13.8	27.6	100	41.1	7.33	121	<0.01	1.9	4	5.49	5	90
RESS0182	<2	9.2	17.8	60	20.3	4.44	68.5	<0.01	1.4	4	3.18	4	210
RESS0183	<2	15.2	26.2	50	29.2	7.91	89.2	<0.01	1.2	5	4.9	10	90
RESS0184	<2	14.3	25.4	50	30.7	7.02	97.4	<0.01	1.3	<3	5.85	4	100
RESS0185	<2	14.3	29.6	60	27.7	7.65	105	<0.01	1.4	<3	6.07	9	80
RESS0186	<2	15.8	31	60	33.5	8.33	96.9	<0.01	1.5	<3	6	5	70
RESS0187	<2	15	28.5	50	29.8	7.61	107	<0.01	1.4	<3	5.84	9	100
RESS0188	<2	14.6	32	50	28.6	8.85	99.1	<0.01	1	3	6.4	5	90
RESS0190	<2	13.5	24.1	40	32.3	6.35	97	<0.01	1.5	<3	4.51	7	100
RESS0191	<2	11.4	23.4	40	26.6	6.57	85.3	<0.01	1.1	<3	4.74	4	90
RESS0192	<2	12.5	25.9	150	47.5	6.79	128.5	<0.01	2.3	<3	4.62	5	110
RESS0193	<2	14.3	25.9	140	24.2	6.91	110.5	<0.01	1	<3	4.33	5	60
RESS0194	<2	18	30.8	70	35.2	8.5	101.5	<0.01	1.7	<3	6.3	4	100
RESS0195	<2	12.5	25.6	60	27.3	6.64	102.5	<0.01	1.2	<3	4.33	5	140
RESS0196	<2	10.8	22.8	30	26	6.55	82.6	<0.01	1.2	<3	4.93	4	130
RESS0197	<2	15.4	27.1	50	30.2	7.44	106	<0.01	1.3	<3	4.92	4	80
RESS0198	<2	19.6	35.7	50	23.9	9.91	95.2	<0.01	1.2	<3	7.19	4	90
RESS0199	<2	19.7	35.8	50	26.1	10.1	89.9	<0.01	1.4	<3	6.39	5	90
RESS0200	<2	12.4	23.4	40	29.2	6.51	94	<0.01	1.4	<3	5.08	4	110
RESS0201	<2	11.9	25	160	43.5	6.76	128	<0.01	2.2	<3	4.61	6	70
RESS0202	<2	13.7	25.5	40	32.5	7.12	101	<0.01	1.5	<3	5.37	4	120
RESS0203	<2	18.4	36.3	60	32.9	9.66	96.3	<0.01	1.7	<3	7.48	7	100
RESS0204	<2	12.7	24.8	40	29.6	6.51	94.2	<0.01	1	<3	4.57	3	120
RESS0205	<2	19.8	32.1	50	27.4	8.87	103.5	<0.01	1.3	7	5.69	3	100
RESS0206	<2	15.2	28.5	50	31.4	7.68	104	<0.01	1.4	4	6.32	3	100
RESS0207	<2	18.7	36.9	130	44.3	9.95	144.5	<0.01	2.3	4	7.19	5	100
RESS0208	<2	15.1	25.2	130	22.1	7.05	97.6	<0.01	1.3	6	5.99	3	70
RESS0209	<2	17.6	34.2	50	29.8	9.35	96.6	<0.01	1.7	3	6.63	9	90
RESS0210	<2	15.6	30.5	50	34.5	7.89	97.2	<0.01	1.2	6	6.28	3	100
RESS0211	<2	17.6	32.6	50	31.6	9.31	80.6	<0.01	1.2	<3	6.91	3	80
RESS0212	<2	20.2	37.1	70	32.5	10.15	86.7	<0.01	1.6	4	7.7	10	100
RESS0213	<2	11.7	25.2	40	28.1	6.84	93.2	<0.01	1	<3	4.59	10	100
RESS0214	<2	19	38.9	70	32.1	10.05	98.1	<0.01	1.4	3	7.63	3	90
RESS0216	<2	15.2	25.2	140	21.3	6.73	98.4	<0.01	0.9	<3	5.17	4	70
RESS0217	<2	17.7	31.9	80	30.5	8.38	96.5	<0.01	1.1	3	6.05	4	110
RESS0218	<2	9.5	15.7	60	37.6	3.82	46.3	<0.01	3.8	<3	3.31	<3	110
RESS0219	<2	16.7	32.5	60	28.1	9.07	97.7	<0.01	1.4	<3	6.03	3	90
RESS0220	<2	8.3	16.2	70	28	4.13	48.2	<0.01	0.9	<3	3.47	9	130
RESS0221	<2	15.8	28.3	80	29.4	7.6	99.7	<0.01	1.3	4	4.58	4	100
RESS0222	<2	14.4	27	90	34.6	7.18	102	<0.01	1.2	<3	5.87	12	100

Sample_ID	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L
	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RESS0166	1.01	0.82	<0.5	10.1	0.477	0.72	0.5	2.4	120	2.5	31.4	3.13	80
RESS0167	0.74	0.66	0.6	8.5	0.42	0.62	0.46	2	104	2.5	25.2	2.8	80
RESS0168	1.38	1.19	<0.5	12.2	0.624	0.62	0.63	3.3	112	3.3	40.8	3.79	70
RESS0169	1.29	1.08	<0.5	12.5	0.587	0.71	0.5	2.8	113	2.7	36.1	3.31	70
RESS0170	1.03	0.84	<0.5	9.8	0.469	0.76	0.42	2.1	125	2	27.8	2.91	110
RESS0171	1.07	0.88	0.6	10.1	0.495	0.57	0.48	2.4	124	2	29.9	3.03	80
RESS0172	1.2	0.96	0.6	11.7	0.567	0.61	0.55	2.6	104	2.5	34.4	3.19	80
RESS0173	1.2	0.92	<0.5	11.8	0.577	0.58	0.55	2.7	109	2.5	36.3	3.76	70
RESS0174	0.71	0.55	0.5	7.9	0.38	0.56	0.32	3.1	84	1.6	19.5	2.07	70
RESS0175	0.93	0.8	0.6	9.8	0.469	0.63	0.41	2.5	99	2	26.4	2.48	60
RESS0176	1.15	1.06	<0.5	13	0.592	0.55	0.51	3	98	2.4	33.6	3.44	70
RESS0177	0.77	0.63	<0.5	8.7	0.436	0.66	0.37	2.2	94	2.1	23.8	2.58	60
RESS0179	1.81	0.98	<0.5	11.5	0.525	0.73	0.5	2.4	123	2.3	31.5	3.38	90
RESS0180	0.99	0.92	<0.5	9.7	0.536	0.58	0.49	2.5	103	2.1	31.3	3.02	70
RESS0181	0.88	0.79	<0.5	9.8	0.469	0.66	0.38	2.2	118	2.2	26.8	2.55	90
RESS0182	0.67	0.46	<0.5	6.6	0.31	0.42	0.25	2.1	83	1.3	16.1	1.82	70
RESS0183	1.03	0.86	<0.5	9.7	0.513	0.5	0.42	2.5	103	2.3	29.7	3.09	70
RESS0184	0.98	0.77	0.5	9.3	0.465	0.54	0.42	1.9	112	2.3	26.2	2.66	70
RESS0185	0.89	0.77	0.6	10.5	0.468	0.74	0.43	2.2	126	2.5	28.3	2.7	80
RESS0186	1.04	0.88	<0.5	10.6	0.479	0.7	0.42	2.2	110	2.3	29.5	2.97	80
RESS0187	1.04	0.82	<0.5	10.6	0.472	0.69	0.43	2	121	2.4	28.1	2.9	110
RESS0188	0.96	0.89	<0.5	10.7	0.494	0.64	0.45	2.6	117	2.5	30	3.02	70
RESS0190	0.97	0.68	<0.5	8.7	0.458	0.64	0.35	2.1	106	2.3	24.7	2.58	70
RESS0191	0.71	0.72	<0.5	7.9	0.412	0.58	0.35	1.8	106	2.1	24.4	2.38	70
RESS0192	0.8	0.73	<0.5	9.6	0.43	0.69	0.41	2	131	1.8	23.3	2.2	130
RESS0193	0.87	0.77	<0.5	8.8	0.47	0.58	0.46	2.1	125	1.9	28.2	2.98	100
RESS0194	1.09	0.93	<0.5	10.3	0.549	0.6	0.57	2.5	105	2.5	31.5	3.16	80
RESS0195	0.9	0.66	<0.5	9.2	0.424	0.61	0.39	2.3	110	2.2	24.7	2.33	90
RESS0196	0.76	0.68	<0.5	8.4	0.439	0.48	0.41	2.1	89	1.9	26.3	2.84	60
RESS0197	0.96	0.64	<0.5	10.3	0.503	0.67	0.42	2.3	101	2.4	25	2.54	60
RESS0198	1.34	0.88	<0.5	11.8	0.605	0.57	0.54	2.8	94	2.3	35.7	3.44	60
RESS0199	1.28	1.05	0.5	12.1	0.627	0.53	0.64	3	98	2.4	37.8	3.86	60
RESS0200	0.75	0.67	<0.5	8.2	0.448	0.55	0.39	2.1	93	2.3	25.2	2.24	70
RESS0201	0.78	0.66	<0.5	9.4	0.422	0.69	0.4	2	132	2	24.8	2.53	100
RESS0202	0.89	0.67	<0.5	9.4	0.473	0.58	0.41	2.3	102	2.5	25.8	2.36	60
RESS0203	1.16	1.03	0.5	11.9	0.49	0.56	0.49	3	106	2.4	30.9	3.34	70
RESS0204	0.82	0.58	0.5	9.3	0.385	0.57	0.37	2	110	2.5	22.7	2.24	70
RESS0205	1.31	0.9	<0.5	10.8	0.541	0.61	0.5	2.8	104	2.6	32.5	3.13	70
RESS0206	0.98	0.78	0.5	9.4	0.444	0.62	0.42	2.6	110	2.4	29.3	3.18	70
RESS0207	1.19	0.92	0.6	12.8	0.512	0.67	0.5	3	140	2.2	29.3	3.47	110
RESS0208	1.06	0.77	0.7	9.3	0.461	0.49	0.49	2.4	112	2	27.9	2.93	80
RESS0209	1.21	0.98	0.5	11.1	0.515	0.63	0.48	2.9	101	2.4	32.5	3.94	60
RESS0210	1.09	0.86	<0.5	9.9	0.439	0.62	0.48	2.4	108	2.6	28.4	2.92	80
RESS0211	1.14	0.93	<0.5	11.1	0.502	0.49	0.58	2.6	100	2.2	33.1	3.48	60
RESS0212	1.35	1.09	<0.5	11.6	0.555	0.57	0.56	3.2	96	2.4	36.5	3.96	60
RESS0213	0.81	0.56	<0.5	9.1	0.379	0.56	0.33	2.2	93	1.9	20.7	2.11	60
RESS0214	1.33	1.06	<0.5	12.8	0.517	0.51	0.56	3.2	105	2.3	34.2	3.67	70
RESS0216	1	0.72	<0.5	9.1	0.432	0.5	0.44	2.3	118	2.1	26.3	3.16	90
RESS0217	1.15	0.85	<0.5	10.2	0.479	0.56	0.47	3	108	2	29	3.22	70
RESS0218	0.66	0.42	<0.5	5.1	0.275	0.49	0.22	1.6	67	2.8	12.5	1.28	100
RESS0219	1.09	0.93	<0.5	11.4	0.447	0.69	0.42	2.5	120	2.6	31.2	3.47	70
RESS0220	0.52	0.64	<0.5	4.2	0.379	0.26	0.38	1.3	150	1	22.2	2.39	190
RESS0221	1.04	0.76	<0.5	9.9	0.425	0.56	0.45	2.3	96	2.1	26.4	2.87	90
RESS0222	1.16	0.84	<0.5	9.9	0.402	0.67	0.4	2.2	110	2.3	25.9	2.77	70

Sample_ID	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L
	Ag	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cs	Cu	Dy
	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
RESS0223	<5	14	47	427	2.7	0.4	0.5	<0.8	64.2	17.8	5.4	20	5.56
RESS0224	5	9	36	476	2.4	0.5	0.7	0.9	67.9	16.9	6.1	30	5.25
RESS0225	<5	20	39	406	2.2	0.4	0.6	<0.8	54.2	17.7	8.3	50	4.46
RESS0227	5	11	50	506	2.1	0.4	0.6	0.9	78.4	17.4	5.4	20	6.82
RESS0228	<5	12	65	411	2	0.5	0.6	<0.8	59.6	18.1	5.1	30	5.42
RESS0229	<5	13	72	420	2.7	0.5	0.5	<0.8	53.9	17	6.1	40	4.69
RESS0230	<5	13	71	475	2.4	0.5	0.6	<0.8	61.9	17.7	5.8	30	5.13
RESS0231	<5	16	64	480	1.9	0.4	0.5	<0.8	63	16.3	6.2	30	5.19
RESS0232	<5	13	49	437	1.9	0.4	0.5	<0.8	70	16.5	4.9	30	5.05
RESS0233	<5	14	76	402	2.1	0.4	0.7	<0.8	57.7	19.3	5	40	5.18
S-1000	<5	9	28	305	2.1	0.2	7.2	<0.8	35.5	7.1	2.5	<20	3
S-1001	<5	25	135	468	1.7	0.4	0.9	0.8	60.3	21.7	10.7	40	5
S-1002	<5	20	85	449	2.1	0.3	0.5	1.1	75.2	18	6.6	30	5.71
S-1003	<5	7	101	299	1.1	0.2	1	0.8	54.1	18.2	3.3	30	3.99
S-1004	<5	25	73	438	2.5	0.3	0.6	1	61	24.9	7.9	40	5.1
S-1005	<5	17	83	430	1.4	0.3	0.2	<0.8	71.8	24.3	5.5	40	5.2
S-1006	<5	11	86	385	1.4	0.2	0.2	<0.8	69.4	19.6	3.8	30	4.8
S-1007	<5	14	52	386	0.8	<0.1	0.1	<0.8	61.7	18.1	2.9	20	3.98
S-1008	<5	7	56	374	1.9	0.3	1.1	<0.8	55	26	4.7	50	4.35
S-1009	<5	11	53	281	1.9	0.2	1.9	<0.8	42.6	22.9	3.2	30	3.95
S-1010	<5	13	67	337	1.4	0.3	1.2	<0.8	49.7	19.7	5.2	40	4.8
S-1011	<5	16	77	387	2	0.3	1.4	0.8	52.8	23	4.9	40	4.58
S-1012	5	14	40	460	2	0.2	0.9	<0.8	68	12.6	4.8	50	4.26
S-1013	8	13	61	436	2.7	0.4	0.9	0.9	66.7	13	8	30	4.61
S-1014	7	16	46	417	2	0.3	0.6	1.1	79.9	13.5	5	20	6.58
S-1015	<5	14	45	455	2	0.3	3.1	0.9	57.7	15.3	7.3	40	4.79
S-1016	6	14	79	399	2.3	0.4	0.8	0.9	72.9	14.5	6.8	30	5.75
S-1017	<5	37	163	459	2.6	0.5	2.4	<0.8	64.7	25	11.2	40	4.41
S-1018	<5	12	65	375	2.6	0.3	1.5	<0.8	49.9	19.4	4.5	40	4.67
S-1019	<5	13	74	395	1.9	0.2	0.9	0.8	61.3	20.9	5	40	5.56
S-1020	<5	34	87	417	3	0.5	3	1.1	62.2	23.2	10.6	50	5.09
S-1021	<5	28	145	515	2.7	0.4	0.4	1	97.7	29.3	11.3	30	7.65
S-1022	<5	37	106	446	2.4	0.4	0.5	1.1	80.2	25.1	8.8	70	6.29
S-1023	<5	16	93	465	1.6	0.6	1.1	1.1	57.6	21.7	6.2	60	4.55
S-1024	8	52	342	456	2.3	0.7	2.7	1	56.7	25.5	15.2	50	4.73
S-1025	11	19	53	427	1.8	0.4	3.3	1.4	52.5	14.6	6.9	60	4
S-1026	10	9	67	448	3.1	0.4	1.2	1.1	55.3	13.8	8.2	50	4.51
S-1029	<5	21	80	422	1.6	0.3	0.6	0.8	72.2	21.9	10.8	30	5.77
S-1030	8	20	67	463	2.3	0.4	2.4	0.9	62	16.8	7.4	40	5.57
S-1031	<5	4	35	481	1.3	0.2	1.3	<0.8	64	10.2	2.5	20	4.55
S-1032	8	15	65	424	2.1	0.3	1	1	73.2	13.3	4.5	30	5.96
S-1034	8	14	99	431	2.2	0.4	0.9	1	52.1	22.5	6	50	4.32
S-1035	<5	22	44	460	2.1	0.4	2.2	<0.8	57.3	18.1	7.9	40	4.94
S-1036	<5	13	49	410	3	0.4	2.5	<0.8	55.7	14.9	6.4	30	4.84
S-1037	<5	16	60	388	2.1	0.3	0.6	<0.8	70.8	16.2	5.2	20	5.71
S-1038	<5	20	48	439	2.5	0.4	0.8	1	59.1	20.3	8.5	40	4.87
S-1039	<5	27	86	441	2.7	0.4	1.6	0.8	69.7	20.7	10.5	40	4.99
S-1040	5	13	47	412	2.7	0.3	0.8	1.2	63.7	18	6.3	180	5.33
S-1041	6	13	83	391	2.2	0.5	0.8	<0.8	80.2	13.6	4.9	30	6.39
S-1042	5	20	42	420	2.4	0.3	1.5	0.9	60.4	16.1	7	100	5.26
S-1043	7	14	92	369	2	0.5	0.9	0.9	57.4	21.4	5.3	40	4.71
S-1044	<5	11	59	332	2.2	0.1	1.3	<0.8	51	18.2	3.9	30	3.86
S-1045	10	53	248	505	2.8	0.7	0.9	1.3	76.9	33.1	15.3	60	4.93
S-1046	5	18	77	371	2.1	0.5	0.6	0.8	92.6	15	4.9	20	6.6

Sample_ID	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L
	Er	Eu	Fe	Ga	Gd	Ge	Ho	In	K	La	Li	Lu	Mn
	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
RESS0223	3.06	1.17	3.13	15.7	5.41	1.8	0.99	<0.3	1.24	34.5	34	0.4	1010
RESS0224	3.27	1.41	3.06	15.3	6.2	1.7	1.04	<0.3	1.28	33.4	29	0.35	1500
RESS0225	2.78	1.09	4.13	21	4.9	1.9	0.91	<0.3	1.47	29.9	42	0.35	740
RESS0227	4.14	1.46	3.44	17	6.61	1.8	1.33	<0.3	1.59	38.1	28	0.57	1640
RESS0228	2.97	1.17	3.34	15.9	4.82	1.5	1.02	<0.3	1.6	31.2	47	0.48	780
RESS0229	2.98	1.05	3.53	18.2	4.93	1.7	0.93	<0.3	1.62	30.9	47	0.4	620
RESS0230	3.34	1.21	3.58	18.8	6.06	1.8	1.04	<0.3	1.67	32.9	41	0.43	810
RESS0231	3.17	1.14	3.38	17.1	5.55	1.7	1.03	<0.3	1.69	34.1	44	0.43	780
RESS0232	3.16	1.1	2.86	15.2	5.54	1.7	0.99	<0.3	1.38	38.4	26	0.46	1020
RESS0233	2.89	0.93	3.49	15.9	4.73	1.8	1.01	<0.3	1.64	29.9	46	0.43	740
S-1000	1.29	0.8	1.77	9.5	2.88	1.1	0.6	<0.3	1.22	18.75	18	0.21	500
S-1001	3.33	1.07	4.07	17.9	5.54	2	0.96	<0.3	1.81	29.1	53	0.37	1040
S-1002	3.81	1.4	3.67	18	5.76	1.6	1.08	<0.3	1.87	34.3	48	0.47	910
S-1003	2.56	1.05	3.13	12.8	3.76	1.8	0.88	<0.3	1.35	24.6	40	0.44	630
S-1004	3.39	1.37	4.75	20.2	5.47	1.9	1.06	<0.3	1.96	28.7	65	0.44	750
S-1005	3.04	1.23	4.05	19.6	5.12	1.9	1.06	<0.3	1.83	32.3	53	0.46	600
S-1006	3.29	0.93	3.54	16.9	4.83	1.8	1.01	<0.3	1.66	31.5	42	0.47	900
S-1007	2.37	0.79	3.04	12.8	4.24	1.4	0.89	<0.3	1.36	27.5	40	0.38	550
S-1008	2.83	0.89	4.08	16.3	4.24	2.1	0.89	<0.3	1.87	26.3	45	0.27	930
S-1009	1.99	0.59	3.78	14.8	3.59	1.8	0.71	<0.3	1.48	22.3	33	0.28	760
S-1010	3.06	0.87	3.24	13.2	4.19	1.6	1.01	<0.3	1.57	24.5	41	0.45	760
S-1011	2.57	0.98	3.8	16.6	5.13	1.5	1	<0.3	1.8	26.7	49	0.38	830
S-1012	2.74	1.06	2.54	13.3	5.23	1.2	1.01	<0.3	1.73	34.5	29	0.41	560
S-1013	2.71	1.11	3.95	17.6	5.73	1.8	0.94	<0.3	1.82	32.8	49	0.4	500
S-1014	3.65	1.45	2.81	15	6.04	2	1.22	<0.3	1.46	37.8	30	0.44	930
S-1015	2.69	1.23	3.07	15.4	4.82	2.3	0.79	<0.3	1.72	29.1	35	0.39	800
S-1016	3.17	1.36	3.28	14.8	5.93	2	1.25	<0.3	1.67	36.2	56	0.48	760
S-1017	2.72	1.3	3.96	17.3	5.3	1.8	0.85	<0.3	2.13	31.7	105	0.35	1160
S-1018	2.64	0.96	3.39	15.4	4.61	1.7	0.81	<0.3	1.72	25.8	39	0.35	740
S-1019	3.2	1.18	3.61	15.7	5.11	1.6	1.13	<0.3	1.68	28.1	47	0.43	760
S-1020	3.28	1.29	4.35	18.3	5.19	1.5	1	<0.3	1.82	28.9	75	0.42	860
S-1021	4.4	1.87	3.86	18.5	6.55	2	1.49	<0.3	2.17	43	73	0.6	1570
S-1022	3.81	1.55	4.74	21.2	6.02	2	1.26	<0.3	1.8	36.7	61	0.56	720
S-1023	2.84	0.95	3.65	16.5	4.48	1.6	1	<0.3	1.93	27.3	48	0.45	1180
S-1024	2.57	1.01	4.41	18.5	4.99	2	0.9	<0.3	2.88	28.2	143	0.36	900
S-1025	2.06	1.03	3.11	14.9	4.47	1.6	0.76	<0.3	1.78	25.1	43	0.34	700
S-1026	2.26	1.19	3.68	17.9	4.93	1.8	0.95	<0.3	2.01	25.4	52	0.39	450
S-1029	3.07	1.31	4.7	21.5	5.53	1.6	1.09	<0.3	1.74	32.3	52	0.52	840
S-1030	2.85	1.09	3.36	15.6	5.84	1.6	1.09	<0.3	1.95	28.9	51	0.37	810
S-1031	2.91	1.09	3.02	12.3	5.35	1.7	1.08	<0.3	1.75	34	20	0.55	680
S-1032	3.43	1.51	2.66	13.7	6.25	1.9	1.26	<0.3	1.78	36.3	33	0.47	1050
S-1034	2.45	0.92	4.28	17.1	4.76	1.8	0.97	<0.3	2.18	26.1	56	0.4	670
S-1035	2.88	1	3.91	18.7	5.09	1.8	0.95	<0.3	1.76	29.4	44	0.36	1190
S-1036	2.53	1	2.91	14.7	4.9	1.5	0.84	<0.3	1.72	27.2	36	0.27	720
S-1037	3.16	1.24	3.31	16.2	5.39	1.8	1.04	<0.3	1.49	36.2	40	0.43	690
S-1038	2.98	1.25	4.18	19.3	4.99	1.7	0.89	<0.3	1.77	28.4	44	0.33	1160
S-1039	2.9	1.2	4.34	18.7	5.7	2.7	1.03	<0.3	1.71	35.2	42	0.36	1150
S-1040	3.16	1.33	3.66	17.5	5.59	2.3	1	<0.3	1.57	30.1	39	0.38	910
S-1041	3.7	1.54	2.88	13.2	6.9	1.7	1.19	<0.3	1.6	41.5	39	0.5	790
S-1042	2.95	1.15	4.03	18.6	6.27	1.7	1.07	<0.3	1.62	29.6	44	0.4	670
S-1043	3.16	0.97	3.45	14.9	4.75	1.7	0.88	<0.3	1.88	27.6	55	0.5	860
S-1044	2.73	0.97	3.26	13.1	4.32	2	0.86	<0.3	1.55	24.6	41	0.41	650
S-1045	2.84	1.42	4.83	19.5	6.16	2	1.03	<0.3	2.9	34.5	149	0.41	1270
S-1046	4.05	1.47	3.03	13.8	7.4	1.7	1.39	<0.3	1.47	44.2	41	0.6	1010

Sample_ID	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L
	Mo	Nb	Nd	Ni	Pb	Pr	Rb	Re	Sb	Se	Sm	Sn	Sr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RESS0223	<2	15.8	29.4	50	34	7.84	88.1	<0.01	1.2	<3	5.52	10	80
RESS0224	<2	13.9	31.2	50	38	8.61	87.2	<0.01	1.1	<3	6.73	3	90
RESS0225	<2	15.3	25.1	50	31.2	6.56	99.9	<0.01	1.3	4	5.31	8	70
RESS0227	<2	19.6	33.5	60	37.5	9.36	106.5	<0.01	0.8	<3	6.67	3	100
RESS0228	2	15.3	28.4	100	22.2	7.7	95.6	<0.01	1.9	5	5.32	7	80
RESS0229	<2	14.4	26.2	100	23.4	7.31	101	<0.01	1.2	6	5.26	5	80
RESS0230	<2	17.1	28.4	80	29.2	7.77	103.5	<0.01	1.4	6	5.45	10	90
RESS0231	<2	16.3	29.5	80	28.5	7.84	106.5	<0.01	1.1	3	5.86	13	90
RESS0232	<2	17.7	31	40	33.1	8.42	81.3	<0.01	1.3	5	5.15	9	100
RESS0233	<2	15.3	27.4	120	20.1	7.49	93.3	<0.01	1.2	<3	5.05	5	70
S-1000	<2	7.7	17.15	20	12.2	4.06	45.6	<0.01	0.4	4	3.49	<3	310
S-1001	<2	14.3	26.2	100	33.6	6.82	109.5	<0.01	1.4	<3	6.28	<3	90
S-1002	<2	18	31.2	120	23.9	8.45	111.5	0.01	1.2	<3	6.97	<3	60
S-1003	<2	11.4	23.3	160	14.6	5.69	68.6	<0.01	1	4	4.47	<3	60
S-1004	<2	13.3	26.8	220	21	7.23	117.5	<0.01	1.6	<3	5.87	<3	60
S-1005	2	16.8	27.5	150	24.5	7.73	111	<0.01	1.3	<3	5.96	<3	50
S-1006	<2	15.2	28.1	360	20	7.03	93.2	<0.01	0.9	<3	5.98	<3	50
S-1007	<2	14.9	23.6	180	18.1	6.49	65.9	0.01	1.3	<3	4.35	<3	30
S-1008	<2	13.4	24.5	170	22.6	6.53	92.7	<0.01	0.4	<3	5.07	<3	70
S-1009	<2	10.2	18.9	120	14.9	4.9	74.4	<0.01	0.5	<3	4.19	<3	90
S-1010	<2	12.9	22.3	130	20.7	5.66	81.6	<0.01	1.4	<3	5.41	<3	50
S-1011	<2	14.1	23.8	170	21.1	6.54	103	<0.01	1.6	5	4.97	<3	60
S-1012	<2	14.3	28.8	40	28	7.76	81.7	<0.01	1.1	<3	5.1	<3	140
S-1013	<2	18.7	31.4	50	25	8.55	105	<0.01	1.2	7	5.35	5	100
S-1014	<2	18.8	32.5	50	29.4	9.28	94.6	<0.01	1.2	<3	7.28	<3	110
S-1015	<2	13.2	25.1	50	26.7	6.5	86.5	<0.01	1.1	11	4.73	<3	160
S-1016	<2	19.4	33.4	60	29.5	8.38	99.9	<0.01	1.6	9	7.22	3	100
S-1017	<2	14.9	28.5	120	39.6	7.61	106.5	0.01	1.3	8	5.01	<3	160
S-1018	<2	12.3	20.1	100	20.2	5.67	86.6	<0.01	1	<3	4.56	<3	90
S-1019	<2	14.5	26.3	140	19.7	6.98	92.6	0.01	1	<3	4.77	<3	70
S-1020	<2	13.4	28.6	170	28.9	7.15	102	0.01	2.3	8	4.8	<3	80
S-1021	2	20.6	39.6	130	39.9	10.55	124	<0.01	1.1	<3	6.95	<3	80
S-1022	<2	18	33.5	130	27.8	8.95	121.5	<0.01	1.7	<3	7.12	<3	80
S-1023	<2	13.2	23.5	140	27.5	6.27	97.9	<0.01	1.9	5	5.12	<3	80
S-1024	<2	13.4	26.4	170	39.8	6.91	127	<0.01	3.1	<3	4.95	3	180
S-1025	<2	12.9	24.5	50	30.7	6.03	84.4	<0.01	1.2	<3	4.94	<3	140
S-1026	<2	14.2	26.7	50	21.8	6.81	96.8	0.01	1	8	5.79	<3	110
S-1029	<2	16.6	28.1	70	32.8	8.29	115.5	0.01	1.3	3	5.99	<3	80
S-1030	<2	14.2	28.4	60	26.9	7.3	96.4	<0.01	1.1	<3	6.11	<3	140
S-1031	<2	12.4	29	20	17.3	7.51	60	0.01	0.6	<3	4.89	<3	220
S-1032	<2	17.3	32.8	60	31.5	9.12	91.6	<0.01	1.3	3	5.96	<3	100
S-1034	<2	14.3	24.9	180	23.6	6.36	106.5	<0.01	1.3	8	4.29	<3	80
S-1035	<2	14.3	26	50	26.9	6.61	107	<0.01	1	3	4.94	<3	110
S-1036	<2	13.3	24.6	80	23.1	6.98	83.4	<0.01	1.6	7	5.55	<3	140
S-1037	<2	18.6	31.5	50	29	7.96	97	<0.01	1.4	<3	5.79	<3	90
S-1038	<2	12.8	23.5	50	33.4	6.54	114	<0.01	1.1	4	5.11	<3	110
S-1039	<2	14.4	29.9	70	29.5	7.59	117	<0.01	1.4	4	6.15	<3	120
S-1040	<2	15.4	26.5	60	29.8	7.43	97.5	<0.01	1.6	<3	5.69	<3	90
S-1041	<2	20.7	37.2	60	30	9.75	97.1	0.01	1.3	<3	7.57	3	100
S-1042	<2	14.1	29.1	70	24	7.97	93.7	<0.01	1.1	5	6.54	<3	90
S-1043	<2	14.3	26.6	130	20.8	7.11	91.5	<0.01	1	<3	4.91	<3	70
S-1044	<2	10.6	22.8	120	17.6	6.12	72.5	<0.01	1	<3	4.35	<3	80
S-1045	2	18.7	32.6	190	52.1	8.61	137	<0.01	2.5	4	7.17	3	100
S-1046	<2	21.6	40.3	60	35.2	11	80.1	<0.01	1.6	<3	7.91	3	90

Sample_ID	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L
	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RESS0223	0.99	0.92	<0.5	9	0.459	0.53	0.47	2.4	101	2.2	27.4	2.97	60
RESS0224	0.85	0.95	<0.5	9	0.422	0.54	0.43	2.3	99	2.2	29.6	2.97	70
RESS0225	0.92	0.71	0.5	9.9	0.458	0.69	0.36	2.1	126	2.4	23.7	2.57	100
RESS0227	1.23	1.08	<0.5	11	0.623	0.53	0.56	2.7	119	2.6	35.8	3.69	80
RESS0228	0.98	0.83	0.7	9.8	0.439	0.44	0.46	2.3	109	2	27.2	2.65	90
RESS0229	0.92	0.77	<0.5	8.7	0.422	0.55	0.45	2.4	114	2	24.8	3.1	80
RESS0230	1.2	0.85	<0.5	9.4	0.493	0.58	0.43	2.6	117	2	28.6	3.02	80
RESS0231	0.99	0.75	<0.5	10	0.476	0.57	0.41	2.7	111	2.5	28.2	3.1	80
RESS0232	1.12	0.84	<0.5	10.5	0.554	0.48	0.42	2.8	99	2.4	26.7	2.52	60
RESS0233	1.32	0.84	<0.5	9.2	0.437	0.44	0.5	2.3	112	1.8	27.1	3.02	80
S-1000	0.61	0.43	<0.5	5.7	0.3	0.26	0.27	3.1	67	1.4	17.5	1.64	30
S-1001	0.83	0.73	<0.5	10.1	0.45	0.56	0.45	2	127	2.4	30	2.85	90
S-1002	1.06	0.94	0.5	10.6	0.516	0.55	0.49	2.6	112	2.2	33	2.97	80
S-1003	0.68	0.64	0.6	7.3	0.389	0.29	0.36	2.1	94	1.6	25	2.38	70
S-1004	0.81	0.92	0.5	9.8	0.425	0.57	0.47	2.4	141	2.1	32.4	2.97	90
S-1005	1.02	0.81	<0.5	10.9	0.532	0.56	0.48	2.7	127	2.2	30.9	3.16	90
S-1006	0.96	0.68	<0.5	10	0.554	0.43	0.43	3	117	1.9	31.5	3.11	80
S-1007	0.91	0.57	0.9	7.5	0.544	0.4	0.35	2.5	93	1.9	24.5	2.76	70
S-1008	0.8	0.64	0.6	9	0.453	0.5	0.39	2	129	1.8	27.3	2.51	110
S-1009	0.67	0.52	0.5	8.8	0.418	0.34	0.31	2	137	1.6	23.4	2.1	60
S-1010	0.8	0.69	<0.5	8.6	0.427	0.33	0.37	2.1	102	1.8	28.4	2.71	80
S-1011	0.89	0.66	<0.5	9.1	0.466	0.43	0.36	2.1	118	1.8	28.3	2.96	80
S-1012	0.99	0.79	<0.5	10.7	0.471	0.58	0.41	2.6	87	2.1	25.1	3	50
S-1013	1.13	0.77	0.6	11.8	0.455	0.72	0.42	2.3	122	2.2	24.9	2.62	70
S-1014	1.16	1.06	<0.5	12.5	0.548	0.51	0.6	3.2	103	2.8	35.4	4.03	50
S-1015	0.77	0.59	<0.5	9.5	0.41	0.45	0.36	2.2	101	2.8	26.4	2.74	60
S-1016	1.26	0.92	<0.5	12.1	0.529	0.56	0.46	2.6	116	2.4	32.3	3.32	80
S-1017	1.04	0.77	<0.5	10.1	0.454	0.54	0.39	2.2	125	2.2	25	2.43	80
S-1018	0.83	0.58	<0.5	8.8	0.431	0.44	0.36	2.3	113	1.7	26.5	2.56	70
S-1019	0.95	0.64	0.9	9.2	0.45	0.45	0.43	2.3	115	1.6	28.3	3.39	70
S-1020	0.82	0.73	0.7	9.6	0.406	0.54	0.44	2.2	132	1.7	29	3.28	100
S-1021	1.33	1.1	1	13.1	0.612	0.62	0.66	3.3	134	2.4	41.5	4.69	80
S-1022	1.05	0.92	<0.5	11.6	0.49	0.53	0.52	2.8	142	2.3	35.7	3.55	100
S-1023	0.87	0.77	0.6	8.4	0.464	0.46	0.41	2.3	111	2.2	29	3.05	130
S-1024	0.94	0.77	<0.5	10.5	0.386	0.67	0.39	2.2	137	1.8	24.9	2.76	110
S-1025	0.79	0.58	0.5	9	0.385	0.6	0.29	1.9	109	2.5	20.3	2.24	80
S-1026	0.97	0.76	<0.5	9.8	0.422	0.6	0.43	2	124	3	23.6	2.78	70
S-1029	1.15	0.8	1.1	11.6	0.508	0.73	0.44	2.6	132	2.8	30.6	3	80
S-1030	1.34	0.93	<0.5	9.8	0.416	0.63	0.41	2.5	112	2.4	31.2	2.67	70
S-1031	1.03	0.77	<0.5	12	0.544	0.41	0.51	2.9	124	1.6	27	3.14	50
S-1032	1.26	0.81	<0.5	11.2	0.532	0.53	0.53	2.8	93	2.1	31	3.46	70
S-1034	0.96	0.66	<0.5	9.1	0.438	0.62	0.4	2.1	135	1.8	25.6	2.55	100
S-1035	0.88	0.7	<0.5	10.9	0.448	0.58	0.39	2.2	128	2.8	27.3	2.45	80
S-1036	0.8	0.7	<0.5	9.4	0.401	0.44	0.4	2.4	101	2.1	26	3.2	60
S-1037	1.15	0.86	<0.5	12.4	0.572	0.67	0.47	3.1	116	2.7	32.3	3.2	60
S-1038	0.84	0.71	<0.5	10.5	0.442	0.66	0.46	2.3	141	2.8	27.9	2.21	90
S-1039	0.86	0.66	<0.5	12.3	0.451	0.66	0.48	2.1	142	2.7	30	2.75	80
S-1040	0.92	0.7	<0.5	10.7	0.478	0.59	0.43	2.5	119	3	30.5	3.17	90
S-1041	1.47	1.06	<0.5	13.1	0.602	0.54	0.61	3.2	102	2.8	33.9	3.77	60
S-1042	0.92	0.78	<0.5	10.8	0.455	0.59	0.39	2.3	131	2.4	31.3	2.63	80
S-1043	1.05	0.71	<0.5	9.4	0.452	0.43	0.48	2.4	110	2	25.4	2.74	80
S-1044	0.81	0.69	1.1	7.4	0.425	0.26	0.31	2.2	102	1.7	23.4	2.32	70
S-1045	1.16	0.82	<0.5	11.4	0.503	0.75	0.42	2.5	146	2.2	28.8	3.14	110

Sample_ID	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L
	Ag	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cs	Cu	Dy
	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
S-1047	9	23	70	450	2.3	0.4	0.8	0.8	81.6	22.1	8.8	60	6.51
S-1048	7	19	73	448	2.6	0.4	1.2	0.8	77.3	19.8	7.7	40	5.7
S-1049	7	21	71	431	2.8	0.5	1.1	1.1	73.2	18.7	5.5	30	5.15
S-1051	5	21	52	399	3	0.6	3.3	<0.8	64.1	16.3	9.3	50	4.82
S-1052	6	17	102	440	1.7	0.4	0.8	0.8	100	23	6.1	30	7.39
S-1053	<5	21	52	462	2	0.2	0.9	<0.8	62.3	18.4	8.7	160	4.78
S-1054	<5	16	65	404	3.1	0.3	0.8	0.9	81.5	17.4	6.1	30	6.31
S-1055	<5	13	98	432	2.1	0.2	1.6	<0.8	59.9	20.5	5.7	40	4.57
S-1056	<5	32	102	439	2.4	0.3	5.2	0.8	60.4	16.4	9.8	30	5.16
S-1057	<5	13	66	462	2.4	0.3	0.8	1	85.3	22.4	7	30	5.66
S-1058	<5	8	52	280	1.6	0.2	1.3	1	40.2	27.2	4	40	4.72
S-1060	<5	12	80	404	1.7	0.3	0.5	1	70.4	14.5	4.5	40	5.25
S-1061	<5	14	91	415	2.1	0.2	0.5	<0.8	68.2	22.4	6.8	40	5.71
S-1062	<5	13	60	293	1.5	0.2	0.7	0.8	48.8	19	3.3	30	4.34
S-1063	<5	23	82	428	2.1	0.4	0.5	1	69.5	21.9	7.7	40	6.01
S-1064	<5	11	79	354	2.2	0.3	0.8	<0.8	56.1	22.4	4.8	30	4.67
S-1065	<5	15	81	321	1.3	0.2	0.4	<0.8	62.1	21.4	3.7	30	5.07
S-1066	<5	20	79	385	1.9	0.2	0.6	<0.8	72.9	21.5	6.8	40	5.09
S-1067	<5	23	68	412	2.2	0.3	<0.1	1.2	85.5	23.2	6.5	30	6.47
S-1068	<5	27	103	471	2	0.4	0.4	1.4	84.4	22.1	10.1	50	6.29
S-1069	<5	24	86	450	1.9	0.3	0.5	0.8	92.6	20.1	7.6	30	6.53
S-1070	<5	68	151	512	2.4	0.5	7.7	1	53.1	27.4	20.1	70	4.47
S-1071	<5	82	316	555	2.7	0.6	1	<0.8	69	30.5	16.4	60	4.89
S-1072	<5	28	122	414	2.4	0.2	0.5	<0.8	63.2	22.9	9.1	40	5.32
S-1073	<5	49	193	497	2.2	0.5	0.8	1.1	69.1	29.7	13.8	50	6.1
S-1074	<5	21	62	474	4	0.3	1	0.9	71.3	18.7	9.3	50	5.34
S-1046	1.46	0.98	<0.5	14.2	0.646	0.6	0.56	3.4	112	2.6	37.3	3.93	60

Sample_ID	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L
	Er	Eu	Fe	Ga	Gd	Ge	Ho	In	K	La	Li	Lu	Mn
	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
S-1047	2.81	1.38	4.1	18	6	2.1	1.16	<0.3	1.77	38.2	58	0.46	950
S-1048	3.09	1.35	3.93	17.9	5.78	2.1	1.21	<0.3	1.73	36.9	52	0.5	920
S-1049	2.93	1.26	3.39	14.6	5.91	1.8	1.11	<0.3	1.84	34.7	44	0.53	1030
S-1051	2.95	1.26	4.06	19.1	5.57	1.8	1.03	<0.3	1.59	32.4	52	0.39	660
S-1052	3.9	1.68	3.71	16.3	8.31	2.1	1.47	<0.3	1.55	47.5	46	0.49	1160
S-1053	2.65	1.25	4.01	18.9	4.86	1.7	0.9	<0.3	1.72	30.7	45	0.45	830
S-1054	3.32	1.45	4.03	17.7	6.82	1.5	1.26	<0.3	1.39	38.4	42	0.53	700
S-1055	3.19	1.25	3.83	16.8	4.69	1.7	0.92	<0.3	1.96	29	50	0.49	820
S-1056	2.78	1.09	3.74	17.9	5.13	2	0.96	<0.3	1.88	28	41	0.38	800
S-1057	3.12	1.51	4	19.4	6.46	1.7	1.1	<0.3	1.57	37.2	44	0.48	1060
S-1058	2.66	1.4	5.7	20.7	4.81	1.3	1.07	<0.3	1.18	18.75	40	0.42	1220
S-1060	3.61	1.17	3.37	16.3	5.29	1.8	1.1	<0.3	1.65	33.6	38	0.56	600
S-1061	3.61	1.31	4.31	18.9	5.32	1.5	1.13	<0.3	1.8	31.3	51	0.44	880
S-1062	2.49	0.93	2.87	11	4.17	1.6	1	<0.3	1.28	22.6	38	0.37	840
S-1063	3.18	1.32	4.21	18.4	5.58	2	1.14	<0.3	1.72	31.9	63	0.54	810
S-1064	3.47	1.23	3.59	14.8	4.77	1.8	0.94	<0.3	1.56	25.6	50	0.42	890
S-1065	2.83	0.99	2.85	13.4	4.72	1.7	1.03	<0.3	1.42	27.6	39	0.43	1120
S-1066	3.42	1.24	4.03	18.5	5.57	1.9	1.03	<0.3	1.52	32.7	51	0.47	790
S-1067	3.53	1.46	3.16	16.7	6.14	1.5	1.3	<0.3	<0.05	38.7	48	0.55	1080
S-1068	3.97	1.51	4.06	19.8	6.55	1.6	1.33	<0.3	2.08	39.4	67	0.47	930
S-1069	4.16	1.6	3.46	16.8	6.38	1.5	1.37	<0.3	1.75	42.3	62	0.55	1050
S-1070	2.53	1.02	4.33	18.9	4.14	1.3	0.82	<0.3	2.34	25.7	105	0.3	910
S-1071	2.91	1.14	5.1	23.4	5.17	1.7	1	<0.3	3.55	32.9	132	0.4	970
S-1072	3	1.1	3.99	16.8	5.12	1.4	1.01	<0.3	1.91	31.3	72	0.46	980
S-1073	3.42	1.5	4.68	19.3	6.23	2	1.26	<0.3	2.38	34.4	80	0.35	1220
S-1074	3.06	1.3	4.16	20.3	5.74	1.8	1.1	<0.3	1.74	31	49	0.42	800

Sample_ID	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L	ME - MS89L
	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
S-1047	1.25	0.89	<0.5	12.8	0.512	0.74	0.5	2.9	129	2.6	32.9	3.05	90
S-1048	1.37	0.98	<0.5	13	0.534	0.75	0.56	2.6	124	2.8	32.3	3.52	80
S-1049	1.16	0.86	<0.5	11.9	0.525	0.5	0.51	2.4	113	2.6	29.6	3.34	80
S-1051	1.03	0.75	<0.5	11.9	0.422	0.77	0.42	2	120	2.4	28.5	2.82	80
S-1052	1.4	1.17	<0.5	13.7	0.573	0.56	0.66	3	118	2.6	40.2	4.05	70
S-1053	0.82	0.78	0.8	10	0.478	0.7	0.38	2.2	131	2.3	26	2.43	80
S-1054	1.01	1.01	0.5	10.5	0.467	0.54	0.46	2.4	116	2.5	35.9	3.76	80
S-1055	0.89	0.72	0.5	8.8	0.479	0.44	0.44	2.3	118	1.9	30.3	3.59	90
S-1056	0.92	0.75	<0.5	9.8	0.389	0.69	0.4	1.9	110	2	29.7	3.09	70
S-1057	1.1	1	0.8	12.3	0.496	0.66	0.49	2.7	130	2.6	35.6	3.09	90
S-1058	0.54	0.77	0.6	5.7	0.493	0.36	0.38	1.5	207	1.2	30.4	2.75	90
S-1060	1.14	0.84	0.7	10	0.524	0.46	0.47	2.8	114	2	32.6	3.34	60
S-1061	1.1	0.95	1.4	10.3	0.482	0.64	0.46	2.5	130	1.8	32.9	3.34	90
S-1062	0.76	0.71	0.7	6.8	0.388	0.4	0.39	1.9	84	1.5	23.2	2.27	70
S-1063	0.98	0.9	<0.5	10.9	0.446	0.48	0.44	2.5	131	2	31.9	2.94	100
S-1064	0.81	0.71	0.9	7.9	0.44	0.39	0.4	2.3	110	1.6	28.3	3.3	70
S-1065	0.86	0.69	<0.5	8.6	0.461	0.34	0.44	2.4	89	1.8	28.5	3.26	60
S-1066	1.03	0.65	<0.5	11	0.533	0.57	0.45	2.4	125	2.4	33.5	2.95	70
S-1067	1.16	0.92	0.8	11.9	0.005	0.48	0.61	3.1	104	2.9	36.2	3.51	70
S-1068	1.18	0.99	<0.5	11.5	0.555	0.59	0.59	3	134	2.5	38.4	3.9	90
S-1069	1.35	0.96	1	13.3	0.633	0.6	0.54	3.4	122	2.6	40.3	4.11	70
S-1070	0.7	0.69	0.6	9.1	0.342	0.58	0.3	2.7	142	1.7	23.2	2.17	90
S-1071	1.02	0.77	<0.5	11	0.515	0.77	0.35	2.5	163	2.5	30.3	2.83	110
S-1072	0.85	0.76	<0.5	10	0.503	0.52	0.45	2.5	125	2.2	31.3	2.76	80
S-1073	0.9	0.84	<0.5	10.1	0.489	0.79	0.53	2.4	133	2.3	32	2.75	110
S-1074	0.93	0.88	<0.5	11.2	0.459	0.64	0.46	2.3	130	2.6	30.6	3	90

Table 2 – Rock chips sampling list

SampleID	Easting	Northing	Rock Type	Texture	Azimuth/Dip	Reaction with HCL
48028	7507810	4845589	Limy siltstone	Laminated		Weak
48029	7506269	4845148	Limy siltstone	Laminated		Weak
48030	7505402	4847961	Limy siltstone	Laminated to thin bedded	110/20	Weak
48031	7505517	4848089	Limy siltstone	Laminated to thin bedded		Weak
48032	7505780	4848028	Limy siltstone	Laminated to thin bedded	264/4	Weak
48033	7505565	4849174	Limy siltstone	Laminated to thin bedded	48/16	Weak
48034	7506513	4849105	Dolomitic siltstone	Laminated to thin bedded	30/15	No
48035	7506961	4848731	Dolomitic siltstone	Laminated to thin bedded	290/11	No
48036	7506406	4848818	Limy siltstone	Laminated to thin bedded	42/55	Weak
48037	7506353	4848839	Dolomitic siltstone	Laminated to thin bedded	48/52	No
48038	7506335	4848849	Dolomitic siltstone	Laminated to thin bedded		No
48039	7506359	4848860	Dolomitic siltstone	Laminated to thin bedded		No
48040	7506616	4849005	Dolomitic siltstone	Laminated to thin bedded	10/11	Very weak
48041	7506634	4848925	Clayey siltstone	Laminated		No
48042	7509871	4848116	Clayey siltstone	Laminated		Weak
48043	7509856	4848115	Dolomitic siltstone	Thin bedded		No
48044	7509337	4847720	Clayey siltstone	Laminated to thin bedded	32/8	No
48045	7509066	4847545	Clayey siltstone	Thin bedded		Weak
48046	7509357	4847589	Clayey siltstone	Laminated to thin bedded		No
48047	7509118	4848034	Clayey siltstone	Thin bedded		Weak
48048	7508318	4848276	Clayey siltstone	Laminated to thin bedded	350/11	Weak
48049	7508241	4848222	Clayey siltstone	Laminated to thin bedded	182/12	Weak
48050	7508132	4847932	Clayey siltstone	Laminated to thin bedded	182/12	Weak
48051	7508155	4848032	Clayey siltstone	Laminated to thin bedded	70/5	Weak
XRD002	7508155	4848033	Clayey siltstone	Laminated to thin bedded		Weak
48052	7508161	4848056	Clayey siltstone	Laminated to thin bedded		Weak
48053	7508136	4848080	Clayey siltstone	Laminated to thin bedded	40/2	Weak

Figure 1 – Diffraction pattern with schematic representation of relative intensity of the present mineral phases in sample

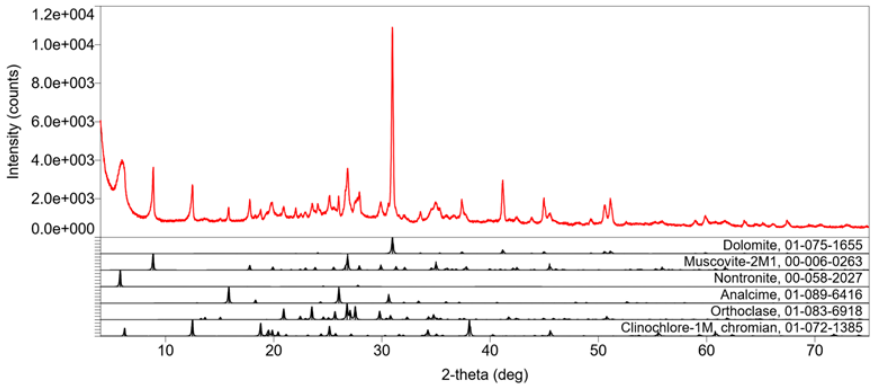

Table 3 – Assays results of rock chips samples

Sample ID	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
48028	<1	2.82	50	180	<5	<10	6.25	<5	24	173	49	3.89
48029	<1	2.87	20	130	<5	<10	2.42	<5	28	173	49	3.96
48030	<1	3.13	70	180	<5	<10	4.44	<5	24	166	70	4.39
48031	<1	2.76	10	220	<5	<10	5.86	<5	23	184	45	3.95
48032	<1	3.27	40	190	<5	<10	4.51	<5	19	174	81	3.9
48033	<1	2.71	20	180	<5	<10	5.97	<5	21	175	46	3.66
48034	<1	2.78	20	150	<5	<10	5.03	<5	37	170	45	4.03
48035	<1	3.03	40	160	<5	<10	4.86	<5	20	172	61	3.73
48036	<1	3.04	60	170	<5	<10	3.38	<5	19	169	45	3.95
48037	<1	2.37	20	180	<5	<10	6.12	<5	23	140	46	3.2
48038	<1	2.6	30	180	<5	<10	6.48	<5	21	132	41	3.31
48039	<1	2.61	50	160	<5	<10	4.46	<5	20	135	45	3.86
48040	<1	3.03	60	190	<5	<10	3.99	<5	22	149	52	4.38
48041	<1	2.74	10	180	<5	<10	5.78	<5	22	180	46	3.72
48042	<1	3.01	10	150	<5	<10	5.17	<5	21	183	62	4.18
48043	<1	2.85	10	230	<5	<10	6.74	<5	20	179	43	4
48044	<1	2.54	70	170	<5	<10	5.75	<5	16	170	48	3.92
48045	<1	2.74	60	170	<5	<10	3.49	<5	28	167	62	4.18
48046	<1	3.11	80	220	<5	<10	5.34	<5	21	180	45	4.01
48047	<1	3.07	60	200	<5	<10	4.96	<5	25	167	60	4.24
48048	<1	2.68	20	200	<5	<10	6.35	<5	22	168	48	3.86
48049	<1	3.1	40	210	<5	<10	5.43	<5	23	180	63	4.39
48050	<1	2.83	30	310	<5	<10	6.25	<5	21	170	58	4.08
48051	<1	2.69	30	170	<5	<10	6.3	<5	18	168	43	3.47
48052	<1	2.72	20	180	<5	<10	6.37	<5	19	171	45	3.27
48053	<1	3.4	70	180	<5	<10	4.21	<5	28	193	78	4.82

Sample ID	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S
	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%
48028	<50	<5	0.47	<50	4.19	960	<5	0.05	195	460	40	<0.05
48029	<50	<5	0.43	<50	1.53	480	<5	<0.05	182	420	30	<0.05
48030	<50	<5	0.39	<50	3.32	690	<5	0.89	182	250	30	<0.05
48031	<50	<5	0.47	<50	4.72	750	<5	0.14	187	220	20	<0.05
48032	<50	<5	0.38	<50	3.16	670	<5	1.19	181	210	50	<0.05
48033	<50	<5	0.4	<50	4.42	830	<5	0.57	174	280	20	<0.05
48034	<50	<5	0.41	<50	3.89	550	<5	0.8	284	200	20	<0.05
48035	<50	<5	0.41	<50	3.68	850	<5	0.69	165	240	40	<0.05
48036	<50	<5	0.49	<50	3	620	<5	0.13	193	270	20	<0.05
48037	<50	<5	0.43	<50	5.24	770	<5	0.41	146	210	20	<0.05
48038	<50	<5	0.42	<50	5.72	670	<5	0.48	128	190	20	<0.05
48039	<50	<5	0.42	<50	3.37	750	<5	0.25	142	290	20	<0.05
48040	<50	<5	0.48	<50	3.49	680	<5	0.53	157	250	20	<0.05
48041	<50	<5	0.44	<50	4.85	750	<5	0.69	166	280	30	<0.05
48042	<50	<5	0.43	<50	4.01	830	<5	0.62	187	240	40	<0.05
48043	<50	<5	0.38	<50	4.74	890	<5	0.77	218	250	70	<0.05
48044	<50	<5	0.49	<50	5.43	800	<5	0.12	194	200	30	<0.05
48045	<50	<5	0.4	<50	3.49	830	<5	0.33	191	290	40	<0.05
48046	<50	<5	0.53	<50	4.98	890	<5	0.37	159	240	40	<0.05
48047	<50	<5	0.46	<50	3.81	870	<5	0.44	174	200	30	<0.05
48048	<50	<5	0.47	<50	4.89	780	<5	0.17	185	190	40	<0.05
48049	<50	<5	0.41	<50	4.25	810	<5	0.83	200	200	80	<0.05
48050	<50	<5	0.42	<50	5.68	810	<5	0.16	153	180	50	<0.05
48051	<50	<5	0.53	<50	5.69	830	<5	0.36	181	200	30	<0.05
48052	<50	<5	0.52	<50	5.55	840	<5	0.39	155	150	30	<0.05
48053	<50	<5	0.4	<50	3.78	800	5	1.1	201	190	70	0.18

Sample ID	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	B	Li
	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
48028	10	7	285	<100	<0.05	<50	<50	55	<50	80	60	60
48029	<10	7	58	<100	<0.05	<50	<50	51	<50	110	<50	50
48030	<10	8	288	<100	<0.05	<50	<50	61	<50	110	80	100
48031	<10	8	429	<100	<0.05	<50	<50	57	<50	100	60	140
48032	<10	7	254	<100	<0.05	<50	<50	56	<50	110	100	90
48033	<10	9	404	<100	<0.05	<50	<50	58	<50	100	70	140
48034	<10	6	353	<100	<0.05	<50	<50	48	<50	100	100	160
48035	<10	8	293	<100	<0.05	<50	<50	58	<50	120	70	100
48036	<10	7	227	<100	<0.05	<50	<50	51	<50	110	<50	90
48037	<10	7	382	<100	<0.05	<50	<50	48	<50	100	80	180
48038	<10	7	398	<100	<0.05	<50	<50	50	<50	90	70	210
48039	<10	8	272	<100	<0.05	<50	<50	52	<50	100	50	80
48040	<10	7	252	<100	<0.05	<50	<50	59	<50	110	90	140
48041	<10	8	379	<100	<0.05	<50	<50	51	<50	100	80	190
48042	<10	9	315	<100	<0.05	<50	<50	74	<50	100	60	100
48043	<10	9	473	<100	<0.05	<50	<50	68	<50	110	60	90
48044	<10	8	395	<100	<0.05	<50	<50	61	<50	110	60	220
48045	<10	8	237	<100	<0.05	<50	<50	60	<50	120	60	100
48046	<10	11	426	<100	<0.05	<50	<50	68	<50	120	70	170
48047	<10	8	323	<100	<0.05	<50	<50	60	<50	120	70	100
48048	<10	8	430	<100	<0.05	<50	<50	58	<50	130	60	180
48049	<10	8	354	<100	<0.05	<50	<50	59	<50	140	70	140
48050	<10	7	426	<100	<0.05	<50	<50	56	<50	110	50	270
48051	<10	9	438	<100	<0.05	<50	<50	61	<50	110	70	280
48052	<10	9	444	<100	<0.05	<50	<50	67	<50	110	90	260
48053	<10	9	290	<100	<0.05	<50	<50	69	<50	130	80	160

JORC Code, 2012 Edition Table 1. This table applies to Rekovac Exploration Project

Section 1 Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *Nature and quality of sampling (eg 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 (eg '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 (eg submarine nodules) may warrant disclosure of detailed information.*	Sampling process itself includes the following steps: • The sample location was defined by handheld GPS and cross-checked on sampling location map • The soil profile is discarded using a shovel and removing vegetation, surface debris and loose organic matter • Sample pit was cleaned out pebbles and decomposed leaf matter • Approximately 2000 g material was sieved using a stainless-steel sieve to remove any larger roots, pebbles and sieved into a plastic bucket • Sieved material was placed in a plastic Ziploc bag • The sample number was written on the sample bag which is carefully rolled to removing excess air from the bag, and sealed completely • The soil sample information was recorded in to "soil sampling log sheet" which contains the following information: • Sample ID; Coordinates (East-, Nord-, Elevation-,); Sampling depth; Host rock; Date of sampling • Afterward, the sample site was backfilled, and vegetation was placed back • The rock chips samples were collected directly from fresh non weathered fine pelitic sediments along exposed outcrops. • The samples were large enough to be representative for sedimentary lithology, generally in the range 0.5-1 kg. • The sample is placed into the sampling container, which is labelled according to the attributed sample number. • All relevant information with regard to the outcrop was recorded. • Sample for XRD was taken from exposed white scattered nodules within the sedimentary basin. • Regional gravity survey stations were accomplished within a grid with nominal station spacing of about 1000m. The regional gravity data were acquired using a WORDEN gravity meter. • Regional magnetic survey stations were accomplished within a grid with station spacing of about 2000m. The regional magnetic data were acquired using magnetometer, which is measuring the vertical magnetic component of the geomagnetic field.

Criteria	JORC Code explanation	Commentary
Drilling techniques	• *Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg 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, etc).*	• The Company did not conduct any drilling activities to date.
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.*	• The release refers to results from surface sampling and geophysical surveys; this section is not relevant to this release.
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.*	• Information about sampling location, rock type being sampled, the attitude of sedimentary formation and reaction with HCL have been recorded in field book and transferred in Excel spreadsheet subsequently.
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.*	• The samples have been prepared in the ALS laboratory in Bor, Serbia. Soil samples: • After drying samples to a maximum temperature of 60ºC sample are sieved down to 180 µm (80 mesh). • After sample preparation, samples have been dispatched to ALS laboratory in Ireland for geochemical analyses • Samples are analysed using ME-MS89L – Na2O2 digestion and analysed by ICP-MS Rock chip samples: • After drying below 60ºC, all the samples were crushed so that 70% pass 2mm. Approximately 250g of crushed material has been divided using a rotary splitter. • After splitting samples were pulverised down to 75µm. • After sample preparation, sample pulps were dispatched to ALS laboratory in Ireland for geochemical analyses. • Sample pulps were analyzed High-Grade Aqua regia ICP-AES. The ALS method is ME-ICP41a, comprising a standard suite of 35 elements including Li and B. The lower and upper detection range for Li and B by this method are 50 ppm and 50,000 ppm respectively.
Quality of assay data and laboratory	• *The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.*	• ALS utilised standard internal quality control measures including the use of certified lithium

Criteria	JORC Code explanation	Commentary
tests	• *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 (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.*	standards, blanks and duplicates. • No filed duplicates were collected during the sampling program. • Internal lab duplicates were prepared by the laboratory to check the preparation process and the precision of the instrument determination. • One sample has been sent for mineral determination by XRD. The sample has been analysed by the mineralogy department at Belgrade University. • Acquired regional gravity and magnetic survey were undertaken by Yugoslav geological survey during the '80s. There is no detail information about quality control from that time, but the data provider stated that data have been checked in recent years and that there is no significant deviation observed.
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.*	• No verification performed at this stage. • Assay data received from the lab is imported into the database. • No adjustment to assays data being applied.
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.*	• km = kilometer; m = meter; mm = millimeter • Samples were located using handheld GPS with an expected accuracy of +/-5m. • At that time the coordinates of the points were determined from the topographic maps 1: 10000 scale where 1 mm on the map corresponds to 10 m in nature. Elevation has been surveyed by tachometer and levelling instruments. • All sampling and geophysics survey coordinates are tied into the state triangulation network and provided in the Serbian Gauss Kruger coordinate system.
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.*	• No regular spacing was used. The samples were collected from restricted outcrops. • The geophysics survey involved the acquisition of regional gravity and magnetic data with a spacing of about 1000m for gravity and 2000m for a magnetic survey. • The data spacing and distribution is not sufficient to establish the degree of geological and grade continuity appropriate for Mineral Resource estimation purposes. • No compositing applied.
Orientation of data in relation to geological	• *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*	• The samples were taken directly from outcropping fine pelitic sedimentary strata to represent potential hosts of mineralisation that the Company is looking for.

Criteria	JORC Code explanation	Commentary
structure	*and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.*	
Sample security	• *The measures taken to ensure sample security.*	• Company geologist supervises all sampling and subsequent storage in the field.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• There have not been any audits.

Section 2 Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• *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.*	• Centurion Metals DOO, a 100% owned subsidiary of Jadar resources LTD, is a 100% holder of Rekovac mineral exploration license (License # 2224). The exploration license is located in the centre of the Republic of Serbia. • At time of reporting the Company, the license is in good standing, and the Company plans to comply with all provisions relating to the Serbian mining law.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• Historical work has been conducted on the Rekovac project area by various Serbian and Yugoslav state geological agencies. • There is no available information that any previous exploration work has been done related to the type and style of mineralisation that Jadar Lithium is looking for.
Geology	• *Deposit type, geological setting and style of mineralisation.*	• Evaporate (Lithium – borate) deposits of the type being explored in Vardar zone are typically found in tectonically active zones associated with deep-seated faulting. The deposits occur in shallow water lacustrine and mudflat environments, usually accompanied by volcanic and tuffs, or indications of spring or spring apron accumulations - travertine. The deposit model currently being used is Jadar deposit and it is a borate deposit with relatively high lithium content. The published Jadar deposit resource is 135.7 million tons of jadarite ore grading 15.4% B2O3 and 1.86% Li2O.
Drill hole Information	• *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*	• No drilling was undertaken.

Criteria	JORC Code explanation	Commentary
	○ *dip and azimuth of the hole* ○ *down hole length and interception depth* ○ *hole length.* • *If the exclusion of this information is justified on the basis that 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.*	
Data aggregation methods	• *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg 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.*	• No data aggregation is done.
Relationship between mineralisation widths and intercept lengths	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* • *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').*	• As the geochemical results reported here that were collected by Jadar Lithium are from surface, any potential depths of mineralisation or orientations can only be inferred from geological observations on the surface and hence are speculative in nature.
Diagrams	• *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.*	• Maps and diagrams are part of this report. See Report maps.
Balanced reporting	• *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.*	• The reporting here covers the area of the Company's current focus. Further data analysis and interpretation may result in the definition of drilling targets.
Other substantive exploration data	• *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.*	• The Company acquired historic gravity and ground magnetic survey data from a local contractor. • Gravity readings taken and recorded in the field go through several processing steps to generate absolute gravity values. These steps include: converting the meter reading to milligals (using the calibration tables unique to each meter) and referencing them to the gravity base value, correcting for solar and lunar tides and meter drift, and correcting for the height of the meter above ground level. Absolute gravity (also known as observed gravity) values represent the change in the strength of gravity due to changes in: latitude, elevation, earth density and terrain effects. Accuracy of gravimeter was -0.1mGal.

Criteria	JORC Code explanation	Commentary
		• The vertical component of the geomagnetic field was converted into a total vector by a special mathematical method taking into account the magnetic inclination and declination as well as the calculation of the normal geomagnetic field. The accuracy of the magnetometer at that time was 5 nT.
Further work	• *The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).* • *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	• Given the rapid advance of the multidisciplinary exploration program currently underway, the Company expects the exploration drilling program to be initiated in 2H 2019.