Report on Geological and Geochemical Surveys
Miminiska Lake Area
MIMINISKA PROJECT

N.T.S.: 52 P/10
Easting: 396454 Northing: 5734297
Zone 16, NAD 83.

MIMINISKA LAKE AREA
FORT HOPE, ONTARIO

Prepared for
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SUMMARY

Namex Explorations Inc. ("Namex") collected 351 soil samples at 329 sample sites for analyses by MMI and Enzyme Leach analytical methods during the summer of 2012. Geological investigations were carried out in the vicinity of the U1 gold occurrence and a reconnaissance geological survey was conducted in several areas in order to establish correlations between the magnetic survey flown in 2011 and local lithologies. The objectives of the geochemical survey were to extend the 1 km gold anomaly discovered in 2011, provide reconnaissance geochemistry signatures in areas where gold mineralization had been reported by previous operators and to evaluate the prospectivity of certain claims as a base for drill targets and future geochemical work. In addition, the geochemistry survey enabled the Company to evaluate geological and structural ideas generated from the results of past geophysical and geochemical surveys and current geological work.

The MMI (Multi Metal Ion) and Enzyme Leach analytical methods successfully extended the gold geochemical soil anomalies at the KCR occurrence for a total distance of 1500 m up to the small lake on Keezhik Creek and west of the 2011 sample grid. Anomalous gold obtained from Enzyme Leach anomalies in an area approximately 1km east of the KCR occurrence suggests that the mineralized zone may extend eastwards for a considerable distance, but sampling in the vicinity of a historic drill program did not reveal any multi-sample gold anomalies. Reconnaissance sample lines across suspected and known structures at the Nose, U1 and U2 occurrences revealed gold anomalies that exceed those over the previously drilled parts of these occurrences, thereby identifying new anomalous areas and illustrating the high residual exploration potential in this relatively unexplored area.

Location

The Miminiska property is located in northwestern Ontario (Fig. 1) on National Topographical Series (NTS) map sheet 52 P/10 centered near the intersection of coordinate **Easting: 396454 mE Northing: 5734297 mN** (NAD 83, Zone 16). The property lies approximately 110 kilometres east of the former gold producing area of Pickle Lake and approximately 40 kilometres west of the community of Fort Hope (Eabametoong First Nation) and consists of one contiguous group of claims covering the KCR, BAR, U1 and U2 mineral showings and two additional claims covering the Sb1 mineral occurrence (Fig. 2). The Property totals 34 mineral claims registered 100% to SLAM, with a total area of approximately 5616 hectares. The contiguous claim group is in the Thunder Bay Mining District on Miminiska Lake Area, Nesting Lake Area and Snowdrift Lake Area claim maps.

Line cutting work was carried out on claim No.3002915 during 2011. Geological and geochemical survey work were carried out on parts of claim Nos. 3002915, 4243672, 4243674 4243672, 3017902, 4256094and 4256104 under Ontario prospecting license 409927 in 2012.

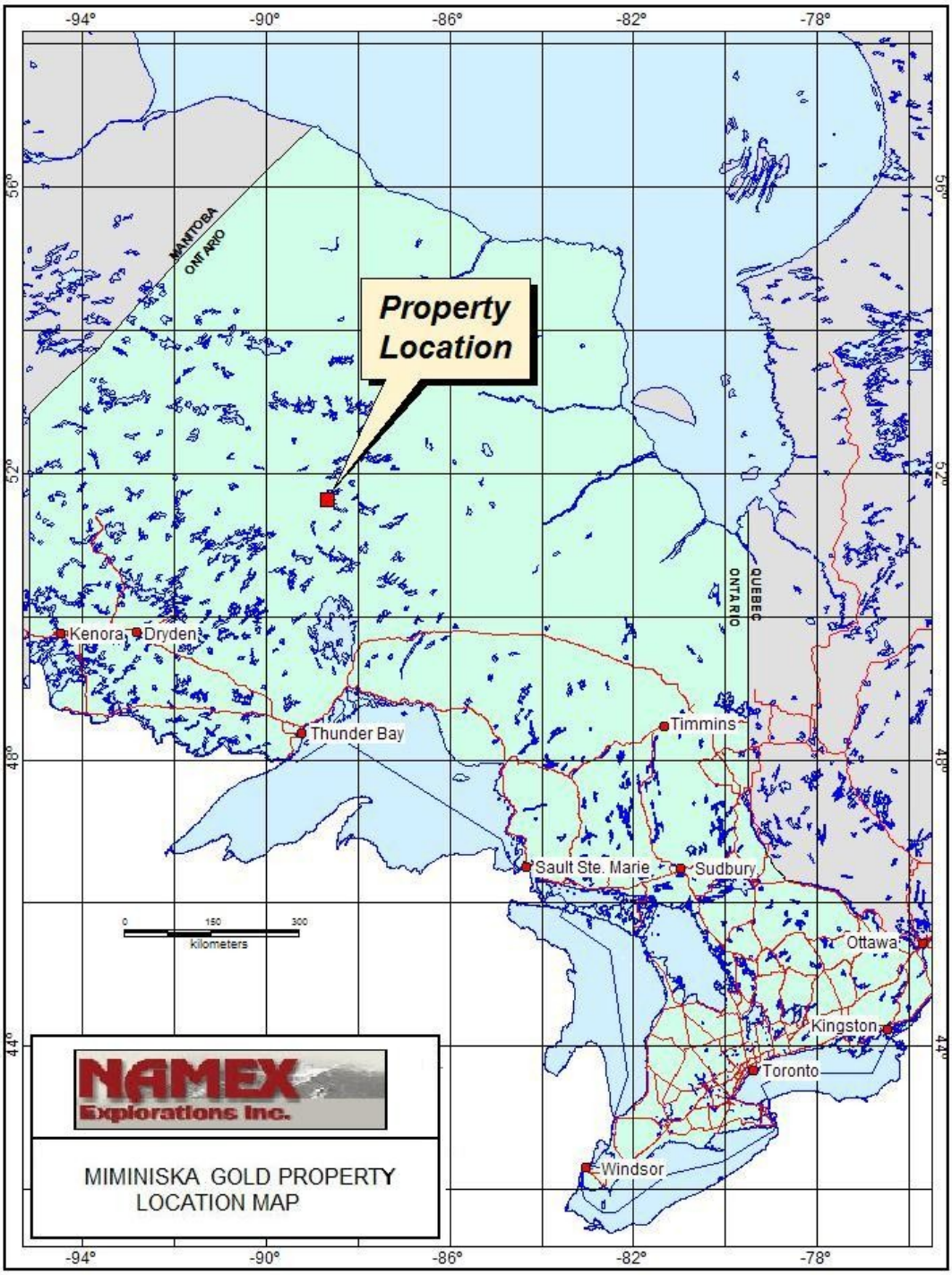

Figure 1: Location of the Mimininska project, Mimininska Lake area, NW Ontario.

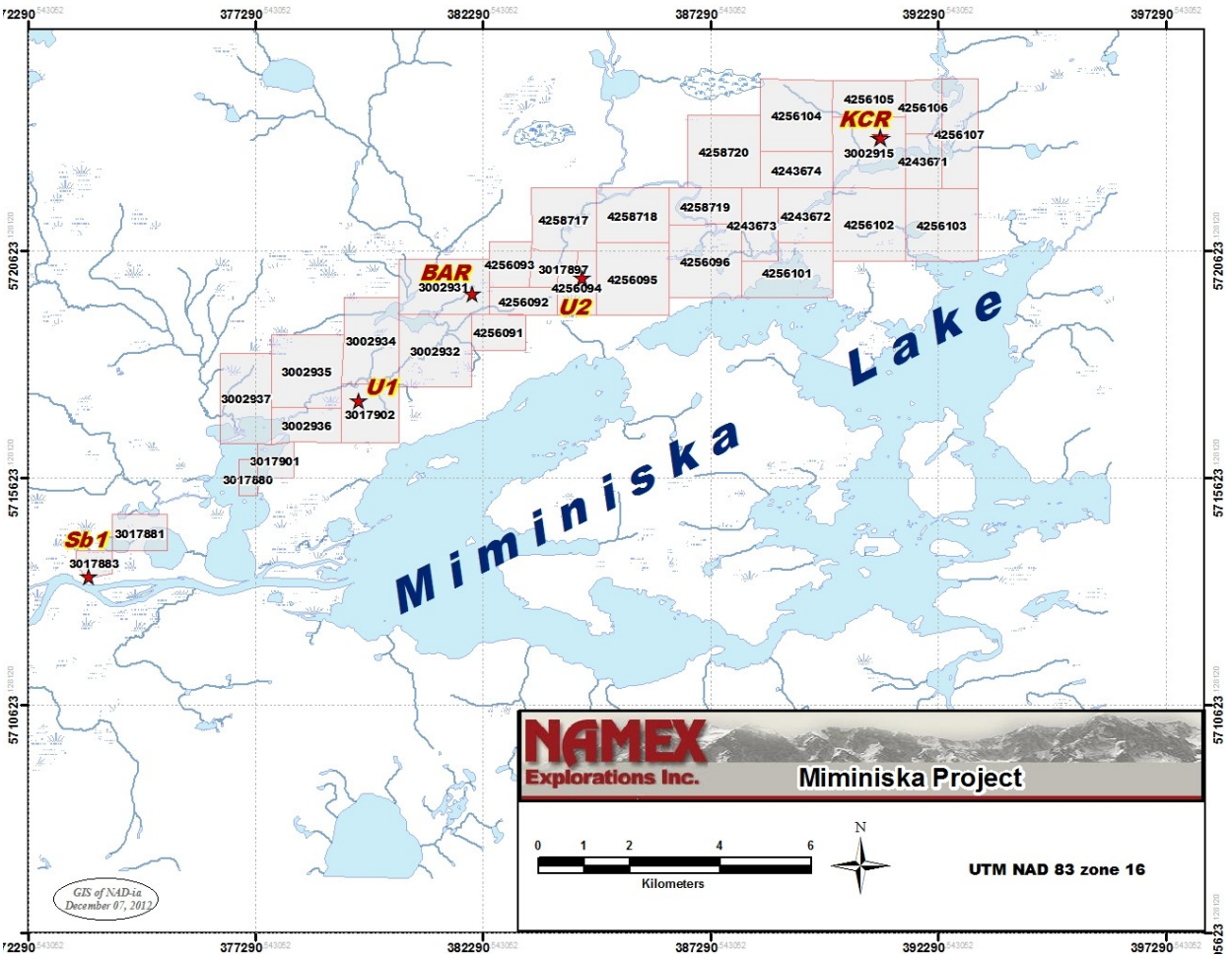

Figure 2: Location of the Miminiska property claim group.

Property Option

Through an option agreement between SLAM Exploration Ltd. (SLAM) and 1533687 Ontario Ltd., SLAM earned a 70% interest in the project by completing $1,000,000 in exploration expenditures, granting 400,000 common shares and paying $50,000 to the vendors over a three-year period. Subsequently, on May 14, 2010, SLAM announced the purchase of the remaining 30% interest by payment of 500,000 common shares plus 1,000,000 Series A warrants and 500,000 Series B warrants. (Press Release dated May 14, 2010)

Through an option agreement with Slam Exploration Inc. ('SLAM') Namex Explorations Inc ('Namex') can earn a 50% interest in the Property by completing $800,000 in exploration expenditures, granting 2,000,000 common shares and paying $140,000 to the vendors over a three-year period. Namex may earn an additional 20% interest in the property by paying an additional $200,000 plus 1,000,000 shares and expending an additional $1,000,000 in exploration.

Table 1: List of claims in the Miminiska Property Option

Township	Claim	Recorded	Due Date	Units	Ownership	Work Required
MIMINISKA LAKE AREA	3002932	2002-Jun-24	2012-Dec 21	16	100%	$6,400
MIMINISKA LAKE AREA	3002934	2002-Jun-24	2012-Dec 21	15	100%	$6,000
MIMINISKA LAKE AREA	3002935	2002-Jun-24	2012-Dec 21	16	100%	$6,400
SNOWDRIFT LAKE AREA	3002937	2002-Jun-24	2012-Dec 21	15	100%	$6,000
NESTING LAKE AREA	4243671	2009-Apr-01	2013-Apr-01	6	100%	$2,400
NESTING LAKE AREA	4243672	2009-Apr-01	2013-Apr-01	9	100%	$3,600
NESTING LAKE AREA	4243673	2009-Apr-01	2013-Apr-01	8	100%	$3,200
NESTING LAKE AREA	4243674	2009-Apr-01	2013-Apr-01	8	100%	$3,200
NESTING LAKE AREA	3002915	2002-Jun-24	2013-Dec-21	16	100%	$6,400
MIMINISKA LAKE AREA	3002931	2002-Jun-24	2012-Dec-21	15	100%	$6,000
MIMINISKA LAKE AREA	3002936	2002-Jun-24	2012-Dec-21	8	100%	$3,200
NESTING LAKE AREA	4256101	2010-Jul-28	2013-Jul-28	13	100%	$5,200
NESTING LAKE AREA	4256102	2010-Jul-28	2013-Jul-28	16	100%	$6,400
NESTING LAKE AREA	4256103	2010-Jul-28	2013-Jul-28	16	100%	$6,400
NESTING LAKE AREA	4256104	2010-Jul-28	2013-Jul-28	16	100%	$6,400
NESTING LAKE AREA	4256105	2010-Jul-28	2013-Jul-28	8	100%	$3,200
NESTING LAKE AREA	4256106	2010-Jul-28	2013-Jul-28	6	100%	$2,400
NESTING LAKE AREA	4256107	2010-Jul-28	2013-Jul-28	12	100%	$4,800
NESTING LAKE AREA	4258717	2010-Jul-28	2013-Jul-28	12	100%	$4,800
NESTING LAKE AREA	4258718	2010-Jul-28	2013-Jul-28	12	100%	$4,800
NESTING LAKE AREA	4258719	2010-Jul-28	2013-Jul-28	8	100%	$3,200
NESTING LAKE AREA	4258720	2010-Jul-28	2013-Jul-28	16	100%	$6,400
MIMINISKA LAKE AREA	4256091	2010-May-25	2013-May-25	6	100%	$2,400
MIMINISKA LAKE AREA	4256092	2010-May-25	2013-May-25	8	100%	$3,200
NESTING LAKE AREA	4256093	2010-May-25	2013-May-25	5	100%	$2,000
NESTING	4256094	2010-May-25	2013-May-	6	100%	$2,400

LAKE AREA			25			
NESTING LAKE AREA	4256095	2010-May-25	2013-May-25	16	100%	$6,400
NESTING LAKE AREA	4256096	2010-May-25	2013-May-25	16	100%	$6,400
Snowdrift Lake Area	3017883	2012-June-02	2014-June-21	2	100%	$800
Snowdrift Lake area	3017881	2012-June-02	2014-June-21	6	100%	$2,400
Snowdrift Lake Area	3017880	2012-june -01	2014-June-08	2	100%	$800
Snowdrift Lake area	3017901	2012-Jun3-01	2014-June 21	4	100%	$1,600
Mimiskia Lake Area	3017902	2012-June-04	2014-Jun2-21	9	100%	$3,600
Mimiskia Lake area	3017897	2012-June-04	2014-June-21	4	100%	$1,600

Geological Setting

The Property is situated within Precambrian aged rocks of the Uchi Sub-province of the Superior Province, a subdivision of the Canadian Shield. The Uchi Sub-province is a 600-kilometre long greenstone belt that extends from Lake Winnipeg in Manitoba to the Hudson Bay Lowlands; it hosts the Rice Lake, the world-famous Red Lake and the Pickle Lake gold mining camps. In the Miminiska area the 40 km wide greenstone belt is bounded on the north and south by granitic stocks.

Uchi Sub-province rocks on the Property are part of an easterly-trending, bi-modal sequence of meta-volcanic rocks that are intercalated with meta-sedimentary rocks. This belt of rocks is famous for its gold and base metal mineral potential. Included in this trend is the Red Lake gold camp which contains the Campbell Mine and the Red Lake Mine, both owned by Goldcorp Inc. Also, included in the Uchi greenstone belt is the historic Pickle Lake gold camp that contained the Pickle Crow and Central Patricia mines. The Property is located east and along strike of these two famous mining camps.

As evidenced by the presence of a number of gold occurrences and past producing and current producing mines situated in the Uchi Sub-province, the greenstone belt that crosses through the Property shows a high potential for the development of new gold discoveries and the expansion of known occurrences.
The Keezhik Creek area is underlain predominately by clastic sedimentary rocks that overlie a suite of dominantly mafic volcanic rocks and are in turn overlain by a suite of fine-grained sedimentary rocks that contain abundant oxide-facies iron formation (Prest, 1939). The rocks were folded during several episodes of regional deformation into open to tight shallow to steeply dipping structures. A distinct mineral lineation plunges steeply southwesterly. There is evidence of an early regional westerly striking sinistral shear in exposures along the shores of Keezhik Creek. A late northeasterly trending shear is exposed in the trench at the KCR occurrence. The 2011 summer exploration program tested the westerly trending early shear.

Previous Exploration

Exploration to date has identified 5 mineral occurrences on the Miminiska claims; namely, the KCR, BAR, U1, U2 and the SB1. In addition, a small antimony-gold occurrence with two closely spaced zones of mineralization containing '40,700 tons @1.37% Sb, 0.1 oz/ton Au and 137,000 tons @3.14% Sb, tr Au' (Clarke, 2003) occurs at the southwest end of the Miminiska claim block. Other intersections on the Miminiska claims include 'grab samples up to 1.5 oz/ton Au and 19 oz/ton Ag + Sb in narrow quartz veins'(Clark, 2003) from a small island on Howells Lake and 0.03oz/ton Au over 40.6 feet(1 g/t Au over 12m) in a drill hole in the same general area on Howells lake that now is situated within the new claims staked in 2012.

Central Patricia Mines (1951)

In 1951 Central Patricia Mines carried out a diamond drill program on a small claim area north of Miminiska Lake (the U1 Occurrence) in the vicinity of a number of trenches with gold-bearing quartz veins. The results are summarized with the more interesting gold values found in quartz and pyrite-rich schistose zones (Clark, 2003):

DDH H5C 0.16 oz/t / 5.0 ft
DDH H3 0.40 oz/t / 1.1 ft
DDH H3 0.18 oz/t / 1.2 ft
DDH H1 0.58 oz/t / 1.0 ft
DDH H1 0.14 oz/t / 1.7 ft.

Szetu, S.S. and Baynes, A.S. (1982-84)

Geochemical surveys and geophysical surveys (magnetic and VLF-EM) were completed on a gold showing located on claim # 3002915 on Keezhik Creek by A.S Baynes (Assessment files 52P10NE0023, -0024, and 0031) in the vicinity of an historic trench (the **KCR Occurrence**).

Additional trenching was done in 1982. A humus geochemical survey located an anomalous zone north of the trenches and a possible weak trend southwest of the gold-bearing trench. The magnetic survey indicated the grid area to be relatively magnetically flat. The gold showing occurs in a non-magnetic sucrose quartz material with fine- to medium-grained sedimentary rocks that are intruded by fine- to medium-grained felsic intrusive rocks.

Anaconda Canada Exploration Ltd. (1984-85)

Anaconda optioned the Keezhik Creek property (the KCR occurrence) from Szetu and Baynes in 1984. The property was geologically mapped and rock samples collected for analysis for gold and arsenic. Magnetic and VLF-EM surveys were completed over 25 kilometres of chain and compass grid lines. Trench samples indicated a value of 18.1 grams per tonne gold over a width of 3.8 metres in a shear zone. The sampling method was not described. Anaconda drilled 6 holes in 1985 to test the Trench Zone. Hole KC-01 under the trenches returned a value of 15.3 g/t over 0.2 metres and hole KC-02, a deeper cut, returned 18.19 g/t over 0.3 metres; both were shallow holes. The assay technique was not mentioned. No results for the other 4 holes were given. The airborne surveys are available to view at the assessment office in Thunder Bay, Ontario (File 2.8399).

Gold Fields Canadian Mining Ltd. (1985-88)

Gold Fields conducted a combined helicopter-borne magnetic and VLF-EM survey in the Miminiska Lake area in 1985. This area overlaps the Slam claims north of Miminiska Lake. The airborne maps are available at the assessment office in Thunder Bay as File 2.8754; NTS 52P10/NE. Follow-up field work included a geological survey and magnetic and VLF-EM surveys on a grid with line spacing at 400 feet. Drilling was proposed based on the exploration results and in 1987-88, a number of holes were completed and logs without assays were submitted for assessment credits. The logs did indicate that the more interesting zones consisted of 3-5 % pyrite and pyrrhotite in greywacke and silicified and sericitic zones with minor pyrite and pyrrhotite (from Clark, 2003).

Noramco Exploration Inc. (1986-88)

From 1986 to 1988 Noramco Explorations Inc. on behalf of Severide Resources Inc. and Pure Gold Resources Inc. carried out a major exploration program including: line cutting, humus sampling, geological mapping and prospecting, VLF-EM, magnetometer, horizontal loop EM, Induced Polarization (IP) / Resistivity, and drilled 75 diamond drill holes in the region, but do not appear to have conducted detailed work in the vicinity of the KCR occurrence.

New Jersey Zinc Exploration Co. Ltd. (1978-84)

From 1978 to 1980 New Jersey Zinc Exploration Company staked and explored most of the present Miminiska Property. The program involved ground follow-up to Input and DIGHEM airborne electromagnetic and magnetic surveys. The ground surveys included line cutting, humus and whole rock geochemistry, prospecting, geological mapping, Max-Min II horizontal loop EM, magnetometer surveys and 16 diamond drill holes. Felmont Oil Corporation acquired the mineral right to the area in 1983 and explored the property by undertaken follow-up exploration surveys over most of the former New Jersey Zinc property. Three grids from the New Jersey Zinc work were the main targets explored; these were U-1, 12A (BAR) and 12B (U2). The work undertaken included line cutting, Induced Polarization/ Resistivity surveys, prospecting, rock assay for gold and diamond drilling. In 1984 Homestake Mineral Development Company acquired the mineral rights through an agreement with Felmont Oil. Diamond drilling was undertaken and reported as part of the agreement with Felmont. In 1986 Baroque Resources Ltd. negotiated the right to earn a 51% interest in the properties by incurring $2.6 million in mineral exploration expenses. During the period of exploration Baroque completed grid re-establishment, magnetometer survey and diamond drilling. The last reported work on this property was 1988 (Clarke, 2003). 1533687 Ontario Ltd. acquired the mineral rights to the current property in June 24, 2002. Slam Exploration Ltd. completed an option agreement to acquire the mineral rights on October 1, 2003.

Homestake Mineral Development Co. (1986-87)

Homestake drilled up to 20 holes on the Baroque-Miminiska project based on previous ground exploration. Their claims covered part of the southwestern portion of the Slam claims. The 1986 series of drill holes returned values of gold in the range of 'hundreds of ppb' Au, mainly from the iron formation unit. Detailed logs are available in Thunder Bay at the assessment office, File 2.10749.

SLAM Drill Programs

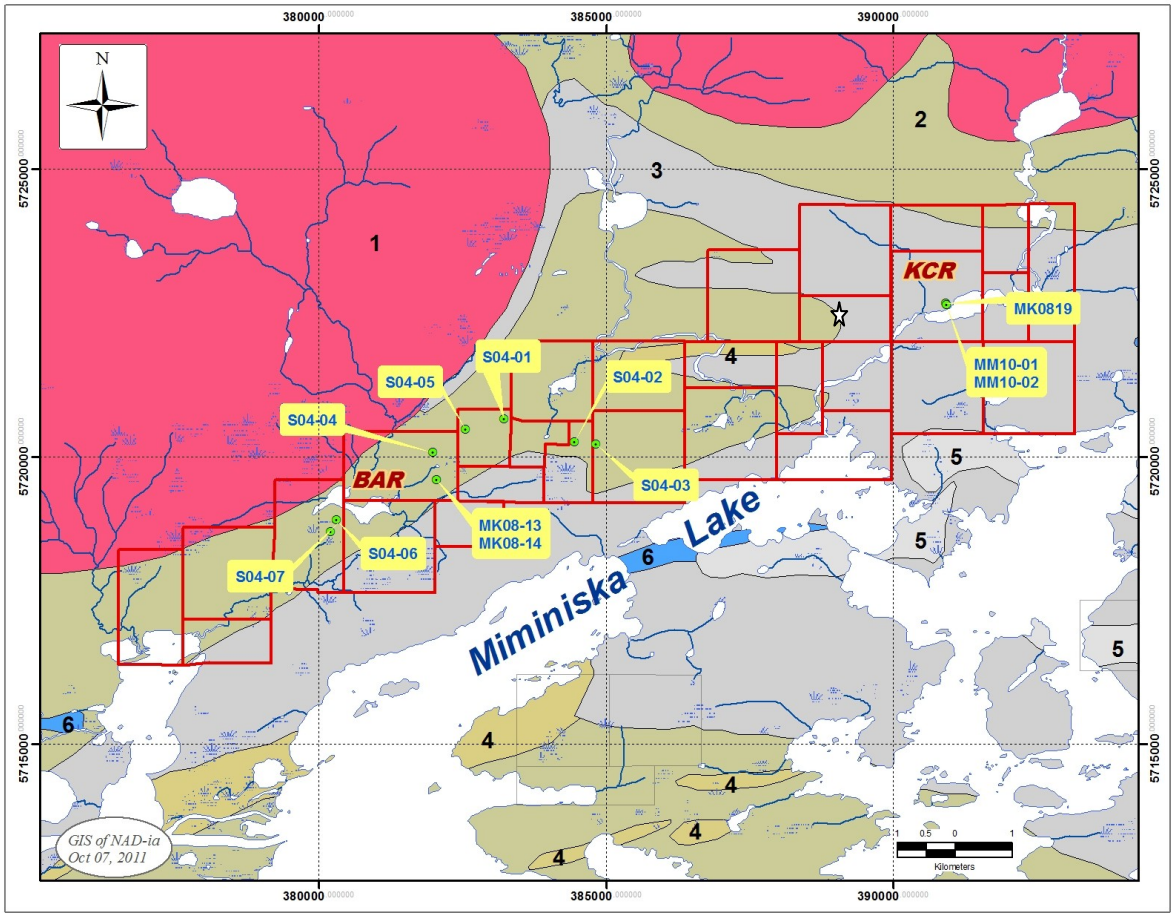

Figure 3: Location of holes drilled by SLAM. Geology base is from Prest (1939). Legend: 1-granite; 2-mafic volcanics; 3-sedimentary rocks; 4-felsic volcanics; 5 oxide iron formation; and 6-gabbro. 'Nose area' is shown as a star (from Clark, 2003).

Table 2: Location of Slam Exploration Ltd 2004 drill holes

Hole	Grid	Northing (ft)	Easting (ft)	Azi	Dip	Len (m)	UTM Easting	UTM Northing
S0401	Grid 12B	1700	-1400	180	-45	173	383224	5720653
S0402	Grid 12B	450	2600	180	-45	149	384441	5720258
S0403	Grid 12B	200	3800	180	-45	152	384818	5720215
S0404	Grid 12A	1250	3200	150	-45	167	381982	5720074
S0405	Grid 12A	1250	5600	150	-45	161	382552	5720474
S0406	Rita L.	-1000	150	325	-45	167	380300	5718898
S0407	Rita L.	-1600	-250	325	-45	167	380200	5718699
Total						**1136**		

Slam drilled 7 holes on the property in 2004 at the locations shown above (Fig 3).
The 'Grid 12B' holes were drilled in the vicinity of the U2 occurrence and the holes drilled on the 'Grid 12A' are in the vicinity of the Bar occurrence.
This drill program did not intersect any significant gold contents at the U2 occurrence, but iron formation was intersected in holes S0401 to S0405. In hole S0401 a two meter interval of quartz-magnetite-pyrrhotite contained 1.5 g/t Au.

Holes S0404 and S0405 near the BAR occurrence intersected 3-4 m of iron formation.
Holes S0406 and S0407 in the Rita lake area west of the BAR occurrence both intersected iron formation (up to 17.4 m in hole S0406; and variably altered mafic flows and tuffs (McKay, 2004).

Table 3: Location of holes drilled by Slam Explorations Ltd in 2008.

Miminiska	**NTS 052P 10SW-NE**			**Claim Numbers: TB3002915 & 3002931**				
	UTM NAD 83 Zone 16			**Date**			**Direction**	
Hole ID	**Easting**	**Northing**	**Elevation**	**Started**	**Completed**	**Depth (m)**	**Dip**	**Az**
MK0813	382,045	5,719,602	300	Apr 2, 08	Apr 3, 08	182.30	-75	150
MK0814	382,045	5,719,602	300	Apr 4, 08	Apr 6, 08	85.30	-55	150
MK0819	390,907	5,722,665	293	Apr 6, 08	Apr 6, 08	67.10	-45	90
3 Holes					**Total**	**334.70**		

In 2008 Slam drilled holes MK0813 and MK0814 from the same setup at the BAR occurrence and tested the KCR zone (YMIR) with DDH MK08-19. In 2010 Slam tested the KCR zone with DDH MM10-01 and MM10-02. The results of the assays for the 3 holes are tabulated below. True width of the intervals and orientation of the mineralization are not known.

Table 4: Summary of SLAM 2008 and 2010 drill hole locations at the KCR occurrence.

NTS:052P10SW-NE Miminiska		Claim Numbers: TB3002915 & 3002931				UTM NAD 83 Zone 16		
Hole ID	Easting	Northing	Elev.	Started	Completed	Depth m	Dip	Az
MK08-19	390907	5722665	293	Apr 6, 08	Apr 6, 08	67.10	-45	90
MM10-01	390925	5722650	289	May 30, 10	1-Jun-10	256.03	-45	345
MM10-02	390925	5722650	289	Jun 1, 10	2-Jun-10	61	-60	345

Table 5: Gold values obtained from the SLAM KCR drillholes.

DDH No.	From (m)	Width (m)	Au (g/t)
MK08-19	22.44	2.00	5.97
MM10-01	17.4	3.80	9.79

MM10-01*	147.0	7.20	9.47
Including		1.0	64.1
MM10-02	47.5	3.00	1.75
Including		1.5	19.7

*Humus Zone

DDH MK08-19 was designed to test below gold mineralization reported from historical trenches at the Keezhik Creek Zone (KCR). The hole intersected 'mafic volcanics' with a 2 metre wide silicified zone grading up to 8.28 g/t gold over 0.5 m. and averaged 5.97 g/tonne gold over 2.0 metres. DDH MM10-01, collared immediately south of the historical trench, was designed to cut the mineralization in the trench and to test a humus anomaly identified in 1984 (Assessment File 52P10NE0023), whereas DDH MM10-02 was drilled from the same setup to test the mineralization in the trench zone at depth.

All three holes intersected the mineralization identified in the historical trench and DDH MM10-01 identified a new previously unknown gold zone adjacent to a gold anomaly that was identified by a humus survey.

Miminiska Lake Property Mineralization

This property covers approximately 20 kilometres of prospective geology (Buse, 2011). The historical mineral exploration work recorded several gold occurrences with potential. In the southwest part of the property New Jersey Zinc explored the Howell's Lake antimony occurrence and the historic Thompson-New Jersey Zinc (U-1) gold occurrence. The favourable horizon strikes between the Howell's Lake and U-1, BAR and U2 occurrences and across the mineral property. The New Jersey Zinc Hole MC79-10 drilled on the mineral property has been reported as having an anomalous mineralized interval with 0.067 ounces/ton gold over 4.7 feet. The U-1, Bar and U2 gold occurrence mineralizations and alteration occur along and across the stratigraphic boundary between the sediments and the bi-model volcanic sequence.

KCR Occurrence

The KCR (also known previously as 'Szetsu-Bayne', 'YMIR') gold occurrence is located on Keezhik Creek (Figs. 2 & 3). This occurrence is believed to have been discovered and worked in the 1930's. Signs of the historic work include a trench 1.5 to 2.4m wide, 1.2 to 2m deep and 15m long. In 1974 comprehensive sampling yielded 13.9 g/t over 3.3m (0.479 ounces/ton gold over 11 feet, cut). New Jersey Zinc re-evaluated the occurrence in 1980 and reported 10.84 g/t Au over 4.1m (0.374 ounces/ton over 13.5 feet, cut). Gold mineralization is hosted in a silicified

shear zone cutting greywacke. The sulphide minerals observed are reported to be pyrite, pyrrhotite, and possibly arsenopyrite.
Nine holes were drilled in the vicinity of the KCR trench. The drill logs are reported in assessment files 52P10NE0021 and 52P10NE0025. Assay data reported by Anaconda for 2 holes drilled under the trench returned a value of 15.3 g/t over 0.2 metres for hole 1 and a value of 18.19 g/t over 0.3 metres for hole 2; both holes were <45m deep. No assay data were reported for the other holes.
The drill data suggests that the KCR trench occurrence has limited strike extent in the NE-SW direction and probably pinches out at depth.
Hole MM10-01 drilled on the KCR occurrence in 2010 discovered a new zone with 9.47 g/t Au over 7.2 m approximately 100 m north of the KCR trench. This area was surveyed with soil geochemical surveys in 2011 and 2012.

Nose Area

New Jersey Zinc reported line cutting and ground geophysical surveys in an area approximately 2 km west of the KCR zone where a folded conductive zone coincides with a strong magnetic response. The geology of the area is comprised of a tightly folded bi-modal sequence of mafic tuffs and flows intercalated with felsic volcanic tuffs and a narrow chloritized 'exhalite bed' that may be a lean siliceous iron formation. This sequence is overlain (?) by a clastic sequence of meta-arenites and wackes. Three shallow holes were drilled in the vicinity of the fold hinge (Fig. 3).

Hole 80-MW-13, drilled east of the EM conductor, intersected local pods of up to 3% pyrrhotite and pyrite with trace chalcopyrite and arsenopyrite within arenaceous and wacke sediments. The hole also intersected weakly pyritic feldspar-quartz 'porphyry'. The only gold interval was reported to be 1.36 g/t over 0.4m (0.047 oz/ton over 1.3 feet) in a zone of 70% quartz carbonate veins with 2 to 3% pyrite and pyrrhotite and trace amounts of chalcopyrite and arsenopyrite. Holes 80-MW-14 and -15 intersected mainly chloritic mafic and felsic volcanic rocks with minor pyrrhotite and pyrite. In DDH 80-MW-15 there are a number of sections with >10 % pyrrhotite $\pm$ pyrite in chloritic and silicified rocks; it is not clear if these represent hydrothermal alteration zones or mineralized shears. The drill logger indicates that a 0.5m section with approximately 50% pyrite near the end of this hole may be an exhalative unit. This drilling confirms that the EM conductor identified exists at or close to the contact between the mafic and felsic volcanic rocks to the west and the sedimentary rocks to the east of the conductor (Clark, 2008). Soil samples were collected along a North trending line in 2011 and along an east trending line to cover the centre of the fold structure in 2012.

U1 Occurrence

New Jersey Zinc explored the historic Thompson-New Jersey Zinc (U-1) gold occurrence in 1979. The favourable structure strikes between the Howell's Lake antimony zone and the U-1 occurrence and

continues northeast across the mineral property. The New Jersey Zinc drillhole MC79-10 drilled in the vicinity of the U1 occurrence has been reported as having an anomalous mineralized interval with 0.067 ounces/ton gold over 4.7 feet. A number of old trenches were located in sheared mafic volcanic rocks during the 2012 field season. Prest (1939) indicates that 9 short holes were drilled in the area north of the trenches, but there are no records of these holes. The U-1 gold occurrence mineralization and alteration occurs along and across the stratigraphic boundary between the sediments and the bi-model volcanic sequence. It appears to represent a westerly-trending zone of silicification similar to that at the KCR occurrence.

U2 Occurrence

This occurrence is situated in west-trending mafic volcanic rocks near their contact with sedimentary rocks and close to the trace of the fault zone that trends through Howells lake. Minor trenching work has been done and four short holes drilled prior to 1984. Homestake reported drilling holes 84-10 and 84-12 in the area. Two zones of alteration with quartz-carbonate-pyrite-fuchsite veins were delineated; the western zone contained 0.05 oz/ton Au over a 6' channel sample (Clark 3003). Slam drilled holes S0402 and S0403 on the iron formation and eastern zone of altered rocks in 2004; these holes intersected minor to trace amounts of gold in iron formation.

Baroque reportedly drilled hole 87-10 at the U2 occurrence. "This hole intersected 0.199 oz/ton gold over 5.5 feet. The occurrence lies within sheared and silicified mafic volcanic rocks proximal to the iron formation. The zone has 3 to 4% pyrrhotite in semi-massive to disseminated pyrite. "Drill holes 88-1 to -3 tested the horizon to the east and west. Hole 88-01 intersected 0.027 oz/ton gold over 3.1 feet. This interval was comprised of a chloritic iron formation with biotite alteration and trace amounts of pyrite, pyrrhotite and arsenopyrite. Further down the hole a second zone of mineralization was intersected in a lean cherty iron formation. This interval has 1 to 2% pyrrhotite and arsenopyrite and weak biotite alteration. Hole 88-02 was drilled to the east of the original occurrence and intersected 17.2 feet of intensely contorted iron formation with quartz flooding. This continuous section had 0.008 oz/ton gold. This zone was accompanied by 2.5% pyrrhotite and 3.5% magnetite. Hole 88-03 drilled from the same collar location as 88-02 again intersected two layers of iron formation. The upper iron formation had chlorite alteration and magnetite, pyrrhotite and arsenopyrite. The grade was 0.024 oz/ton over 5.6 feet. The lower interval had 3 to 4% pyrrhotite, trace arsenopyrite and 10% magnetite. This interval was cherty with less chlorite alteration. There was 6.3 feet of gold bearing rock and 2.3 feet within this interval had 0.148 oz/ton gold" Clark (2003)., Remnants of drill core from the 1987 and 1988 drill programs are stored at Miminiska lodge.

BAR occurrence

The BAR occurrence is situated three kilometres northeast of the U1 gold occurrence. New Jersey Zinc first reported anomalous gold values from prospecting. Felmont Oil was the first to report drilling this occurrence; hole M84-11 intersected 0.233 oz/ton gold over 4.0 feet. This occurrence is hosted in a 'lean

silicified iron formation' mineralized with pyrite, pyrrhotite and arsenopyrite and is part of a 9 foot interval with 0.163 oz/ton gold. The total interval of iron formation intersected contained 0.093 oz/ton gold over 35.0 feet. 16 holes were drilled in the vicinity in 1986 and 1987 by Homestake. Hole 86-05, which is 200 m west of hole 84-11 had three intervals that contained 4.8 g/t Au over 3.7 m, 4.4 g/t over 2.75 and 3.4 g/t over 4.3 m. Slam drilled two holes from one setup in 2008 between these two holes that intersected 2.14 g/t Au over 11 m. The mineralization was interpreted as a pod or lens shaped body plunging steeply. There was found to be a direct correlation between gold content and silica flooding within magnetite iron formation in the interflow sediments (Clarke, 2003). The available drill logs report extensive carbonate alteration in mafic volcanic rocks adjacent to silicified and pyritized 'iron formation'. Our analysis suggests that the mineralization is controlled by a westerly trending early structure rather than the northeast trending structure that appears to have been the focus of earlier exploration (see Fig. 4). This interpretation is supported by local disruptions in magnetic units on the aeromagnetic maps.

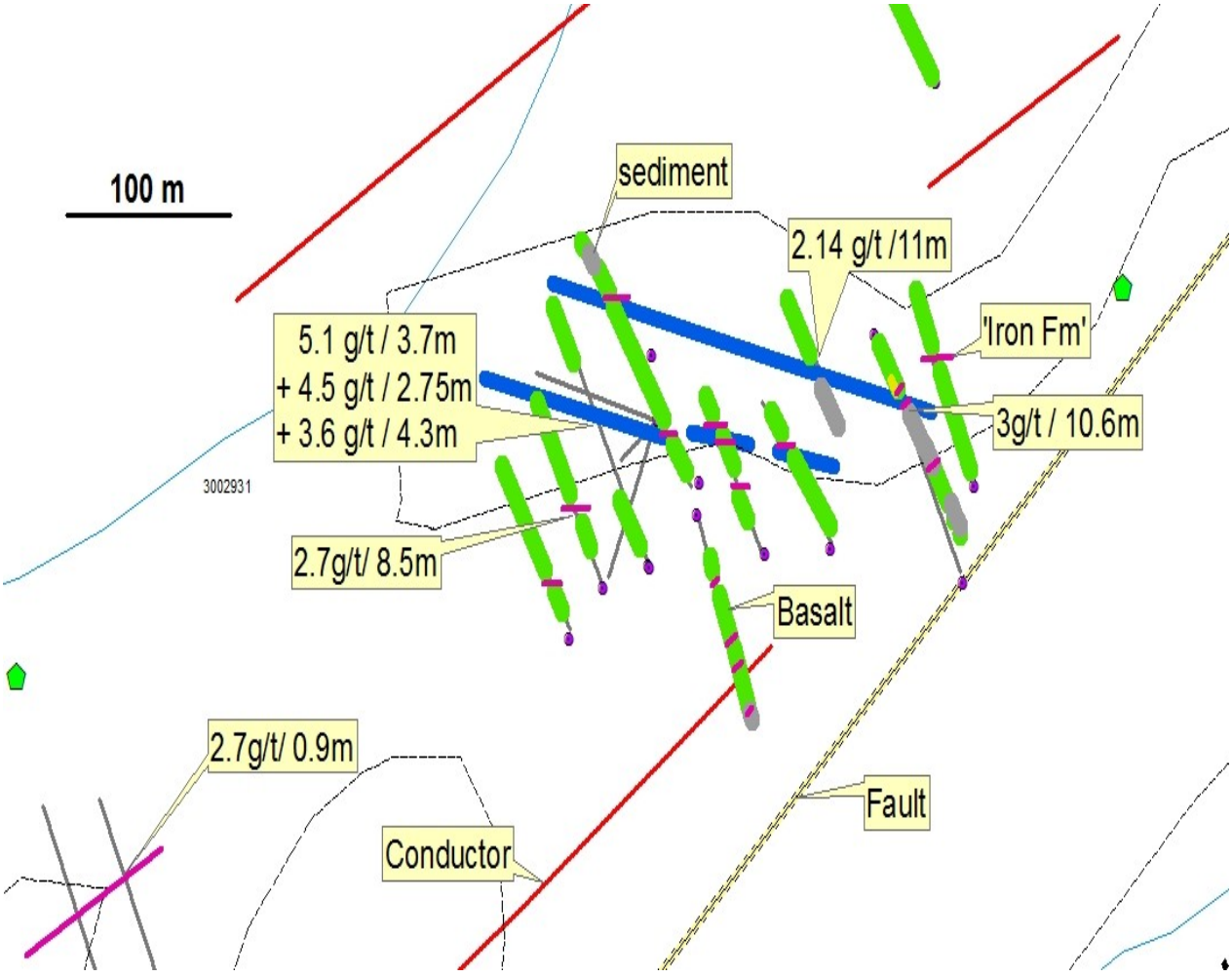

Figure 4: Reinterpretation of drill core logs for the BAR zone. The thick (blue) represents the interpreted position of the mineralized zones intersected in drill core.

Other occurrences

Grid 11A was located just west of Runions Lake and prospecting by New Jersey Zinc led to the discovery of gold in grab samples along the southwest shore of the lake. New Jersey Zinc established a grid and completed HEM, VLF-EM, magnetometer and gravity surveys. Gold has been reported from pyrite enriched veins from both granite and mafic volcanic rocks. The geophysical surveys detected a weak gravity and coincident magnetometer anomaly offset to the south from the HEM conductor axis.

Clark (2003) reports that grab samples of up to 1.5 oz/ton Au, 19 oz/ton Ag and Sb in narrow quartz veins were obtained from an island in Howells lake that is situated within one of the newly acquired claims. In addition, a drillhole on the property near the north end of Howells lake contains 1g/t Au over 12 m.

The New Jersey Zinc Antimony deposit, situated between the Miminiska claims, contains a west zone with 40,700 tons of 1.37% Sb and 0.1oz/ton Au and an east zone with 137,000 tons with 3.14% Sb and trace Au (Clark, 2003).

Line Cutting

A cut grid was established over a part of the KCR occurrence area in anticipation of the commencement of an Induced Polarization survey in mid-July, 2011 (Yavorskaya and Gale, 2011). A total of 11 km of lines were cut 100m apart at an angle of 350^{o} Azimuth and approximately 3 km of baselines were cut in a westerly direction. The line cutting was carried out under contract by line cutters from Fort Hope.

No additional lines were cut in 2012. The line cutting charges presented in this report for assessment are a result of invoices for chainsaw rentals received after the 2011 assessment report was submitted.

Geological Investigations

KCR area:

In view of the results from the 2011 soil sampling that established west-trending trends for the soil anomalies on the KCR geochem grid and the detailed magnetic anomalies obtained from the helicopter-borne magnetic survey, attempts were made to identify rock types within different magnetic signatures. A geologist searched for outcrop and loose angular boulders in the vicinity of units with high magnetic signatures on parts of the magnetic map by traversing the area looking for outcrop and stripping hummocks to identify angular boulders. The UTM locations presented are Zone 16 NAD 83.

The results from this work were in general rather disappointing due to the presence of flat swamps, till and sand covered low areas and mature forest cover. Outcrops found at UTM 388412E/5722516N consist of mafic volcanic and volcaniclastic rocks with 0.5 mm sized euhedral crystals of magnetite that constitute 0.5 to 1% of the rock matrix. Boulders of polymictic mafic volcaniclastic rocks with similar sized magnetite crystals in the fine grained matrix are present at UTM 389173E/5722154N and the general vicinity. These exposures and boulders indicate that the strong magnetic anomalies mapped by the airborne survey in 2011 probably map out magnetite-bearing basaltic flows and volcaniclastic rocks (Figs. 5, 6); pillowed basalt and volcaniclastic rocks are also present in the magnetic high unit at and west of the outlet of Keezhik Creek at UTM 388398E/5720846N (see also Assessment File 52P10NE0022).

In the vicinity of the KCR trenches there are several small outcrops of greywacke, immature sandstone and siltstone. Several thin (<1cm) layers of felsic ash occur within the siltstone unit at UTM 390940E / 5722616N. In this area the higher magnetic signature appears to correlate with these sedimentary rocks. Large angular blocks of sedimentary rocks at UTM 390722E / 5722928N are consistent with this interpretation, but the writer did not find any lithologies to correlate with the low magnetic signature in the core of the apparent fold hinge west of the KCR occurrence (Fig. 6).

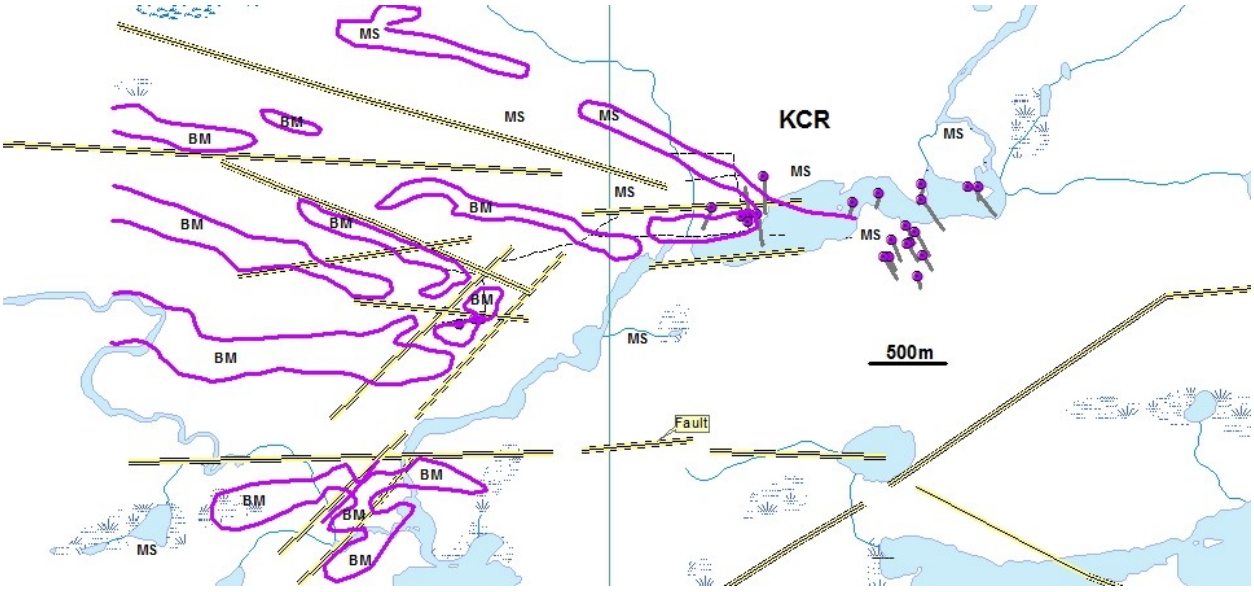

Figure 5: Geological map of the KCR area derived from field observations, drill logs and magnetic map (Geotech, 2011; Gale, 2011). BM= Magnetite-bearing basalt and/or mafic volcaniclastic rocks; MS= sedimentary rocks (sandstone, siltstone, greywacke)—magnetic layers may contain pyrrhotite and/or magnetite. North is toward top of page. UTM line 390000E displayed in center of map.

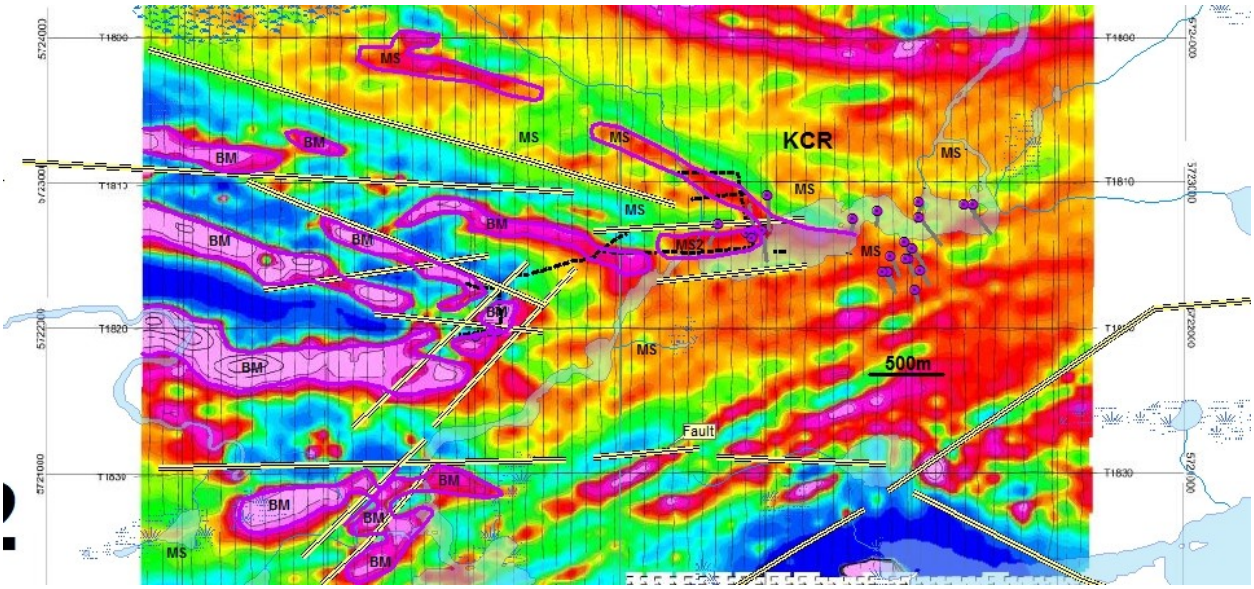

Figure 6: Geological interpretation on coloured magnetic base map from Gale (2011).

Exposures within the unit MS2 are predominantly siltstone, immature sandstone and greywacke with minor mafic-derived fine grained sedimentary rock; locally, these rocks contain minor pyrrhotite.

Previous assessment work reports massive sulphide exposed in Keezhik Creek near its entrance into Miminiska lake (Assessment File 52P10NE0022). Large angular blocks with up to 90% pyrrhotite are present in the creek bed. These are invariable associated with slicken-sided grey micaceous phyllite derived from a fault zone; several blocks with minor graphite in sedimentary rocks were also present. There is no evidence to indicate that there are stratabound sulphides in this area. However, the location of electromagnetic anomalies near the basalt-sedimentary rock contact in this area can be construed as either graphite-rich layers or graphite-bearing pyrrhotite layers. A detailed map by Goldfields geologists (Assessment File 52P10NE0022) adequately outlines the exposures of basalt in this area. Several old trenches are situated near the middle of the first canoe portage west of the rapids.

Traverses through the area south of the east end of the lake on Keezhik Creek did not reveal any rock exposures; the 10 drillholes in this area intersected sedimentary rocks. Boulders of mafic volcanic and granitic rocks (mostly rounded) were uncovered in several places. Traverses along Keezhik creek north of the lake revealed greywacke and mafic derived sedimentary rocks. In addition, a number of carbonate-rich blocks with 2 to 3 cm tensional quartz veins were observed along the margins of the creek; these are for the most part rounded and no in-situ sources could be found.

U1 Occurrence

Geological activities included locating and examining old trenches, locating old drillholes and stripping and examining rock exposures. Rock exposures are virtually absent east of the sediment-volcanic contact (Fig, 6). There are several areas with low exposures consisting of siltstone, sandstone, conglomerate (debris flow?) and greywacke in the low lying area east of the gold occurrence. These areas of outcrop are generally less than a meter in diameter and too small to represent accurately on a map. The areas immediately east of the U1 trenches are low swampy areas with black spruce and without rock exposure or even high ground; this area is considered to be underlain predominantly by sedimentary rocks (Prest, 1939; Buse 2011).

The main objective of this year's work was to determine the structural setting of the mineralization and look for evidence of a westerly-striking mineralized system similar to that determined at the KCR, U2 and BAR occurrences.

The ridges in the vicinity of the trenches at UTM 379272E/5717219N contain fine grained aphanitic mafic volcanic rocks that are generally devoid of textures. Although most of the outcrops in the vicinity of the trenches consist of massive basaltic rock that resemble metamorphosed and altered flows, incipient pillows were determined in several places. In contrast, at the north end of Howells lake outcrops of basalt are dominantly well formed pillow lava with easily recognized pillows.

The early northeast-trending foliation is concordant with both the vertical derivative magnetic anomalies on the Ontario Ministry maps (thfh042vd83.tif) and EM conductors derived from Assessment Files (R. Chataway, written communication, 2011). It is the dominant foliation direction as indicated on the available geological map (Buse, 2011). Chlorite is developed in all of the mafic rocks, probably formed during regional metamorphism and it defines the regional foliation. Carbonate alteration is common, but later and quite variable throughout the mafic volcanic rocks.

The trenches expose mafic volcanic rocks with weakly developed northeast-trending shear zones that rarely exceed 1 m in thickness and can be followed intermittently along the edges (usually on the west side) of the outcrops. A west-trending trench starting at one of the shears did not expose any other sheared rock for its 3 m length, which confirms the localized nature of the northeast-trending shears within these basaltic rocks.

White and grey quartz veins, up to 15 cm thick occur near the central portions of the late shear; one of these with fragments of pale green chlorite contained several grains of visible gold. The northeast-trending shear zones post date and overprint the regional foliation. The shear foliation appears to be related to a northeast-trending brittle structure. Late chlorite developed in the shear zones is partly non planar and occurs in anastomosing veinlets as felted masses. Local variations and breaks in the magnetic signature cannot be correlated with outcroppings of basalt or swamp and overburden cover.

The writer could find no correlation between gold mineralization and the north-east trending shear other than in the post shear tensional quartz veins with visible gold; however, there appears to be a halo of carbonate alteration around the exposed shear zone in drillhole M84-14, which was drilled under the U1 trenches.

Although the mineralization is commonly referred to as being associated with 'iron formation' a brief examination of several of the drill cores stored at Miminiska lodge indicates that they are not iron formation 'sensu strictu', but zones of silica flooding with variable amounts of sulphide

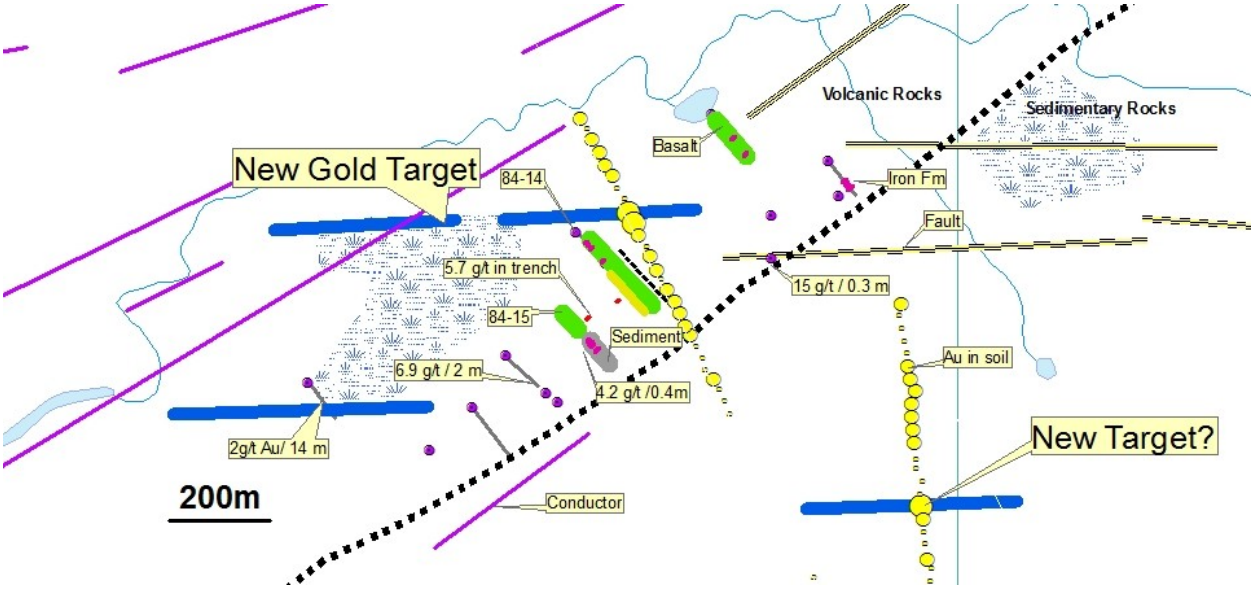

Figure 7: Location of drill holes and soil anomalies at the U1 occurrence.

(pyrrhotite and/or pyrite), carbonate and minor magnetite. However, more detailed examination of the remnants of this core is warranted. Note that Clark (2003) states that in one of the holes drilled at the U2 occurrence the gold occurred in volcanic rocks outside the 'iron formation'.
The site for drill hole M84-15 was accurately located, but locations for other drill holes in the area are uncertain. One of the old cut lines adjacent to the current position shown for hole 84-14 (Fig. 7) was located with certainty and it should be possible to determine accurate locations for the other drill holes once the baseline is re-established by chaining from these two locations; the cut line does not extend to the 12A baseline and is again overgrown by willows at its eastern end. Future work in the area will require refurbishing of the old grid lines.

Geochemical Survey

The geochemical survey was undertaken by a geochemist and one helper in 2012. A total of 329 soil samples were collected. Locally, the thickness of the peat bog exceeds 1.5 m depth. Glacial lake clays underlie the peat in large areas. The 2011 KCR sample grid was extended to the east and west by sampling inorganic material using a Ditch Auger. Sample collection in other areas was restricted to sampling peat and humus material for analyses by the Enzyme Leach method.

Sampling Methods

Soil samples (MMI)

Sixty seven (67) soil samples were collected at 25 m intervals along five lines with the purpose of extending the geochemical anomalies identified at the KCR occurrence in 2011 (Yavorskaya and Gale, 2011). Site locations were determined by hand held GPS units. The sample was taken from the top of the B soil horizon using a Dutch auger. In areas of shallow humus (< 30 cm) the samples were collected 10 to 25 cm below the base of the humus layer by digging a hole with a shovel and collecting the sample from the appropriate interval. In areas of thick humus, as in the swampy areas, the sample was collected using a Dutch Auger to sample the 10 to 25 cm interval of inorganic material below the humus layer. At some sites two samples were taken in order to compare metal contents in the inorganic material with those in the basal parts of the humus layer. Sample depths and the type of material sampled were recorded at all sites and are included as Appendix 6A on the attached CD.

Soil Samples (Enzyme Leach)

294 samples were collected along 12 lines at 6 areas on the property. Results are presented on Figures 21 to 23. Samples were collected using a Dutch Auger. After removal of any overlying sphagnum or forest litter the auger was used to sample the underlying humus and peat from 10 to 25 cm below the base of the sphagnum or forest litter layer. Complete analytical data and sample location information are presented on the enclosed CD as Appendices 2 and 6B.

All samples were placed into 1 liter Zip Lock bags and stored in a cooler buried in the ground until removal from the camp site. Samples were analyzed by the MMI-M5 method at SGS Laboratories in Toronto and by the Enzyme Leach method at Actlabs in Ancaster, ON.

Results

MMI Results

The complete data set is included on the appended CD as Appendix 1. Sample sites are shown on Figure 8. Selected MMI element plots are included on Figures 8-12. The data are presented as Response Ratios as defined on the MMI website. In brief, the analytical data is recalculated by dividing the individual analytical values by the average value of the First Quartile for the sample set. The Keezhik Creek analytical data were separated into clay and till datasets and the Response Ratios were calculated separately for each dataset.

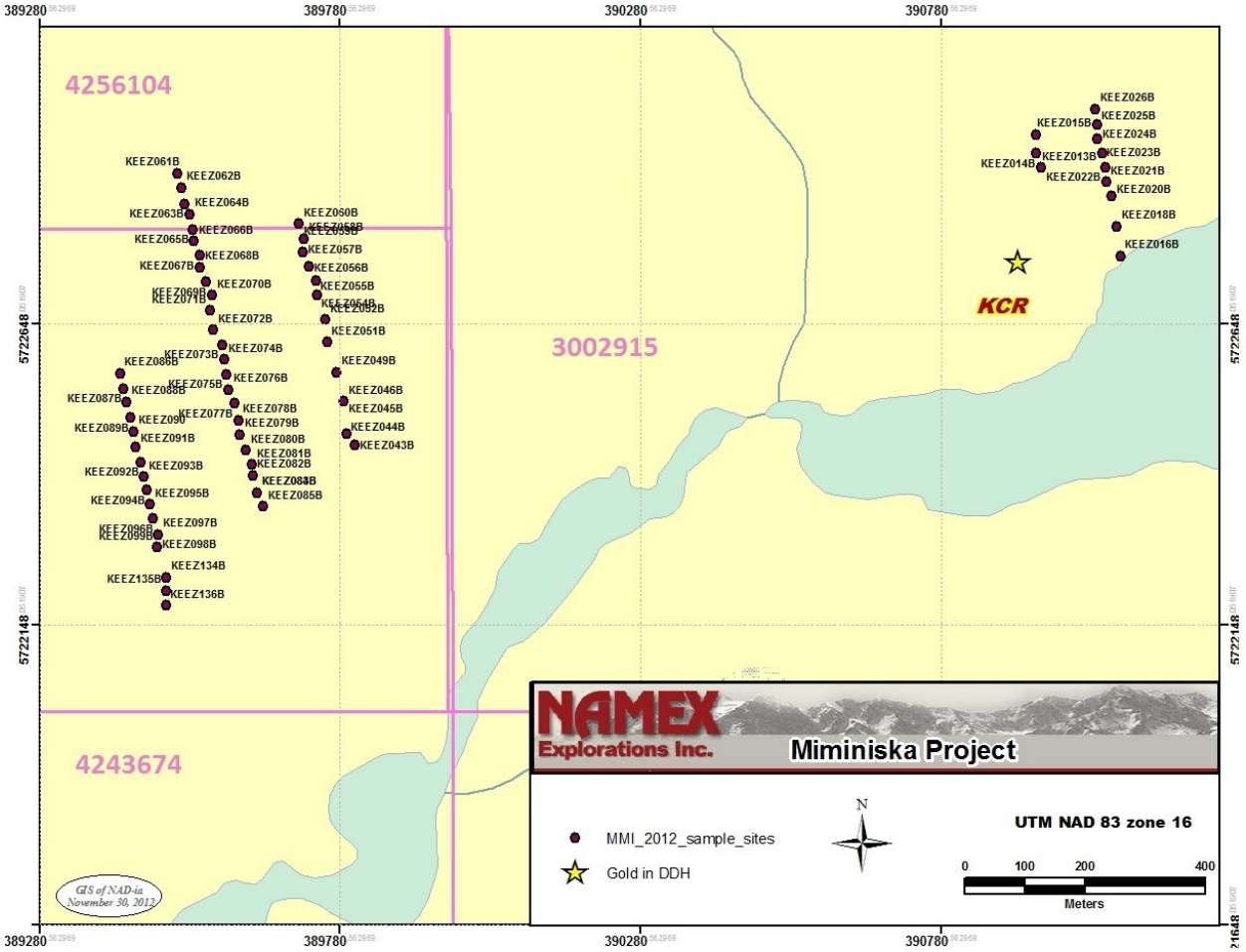

Figure 8: Location of MMI sample sites

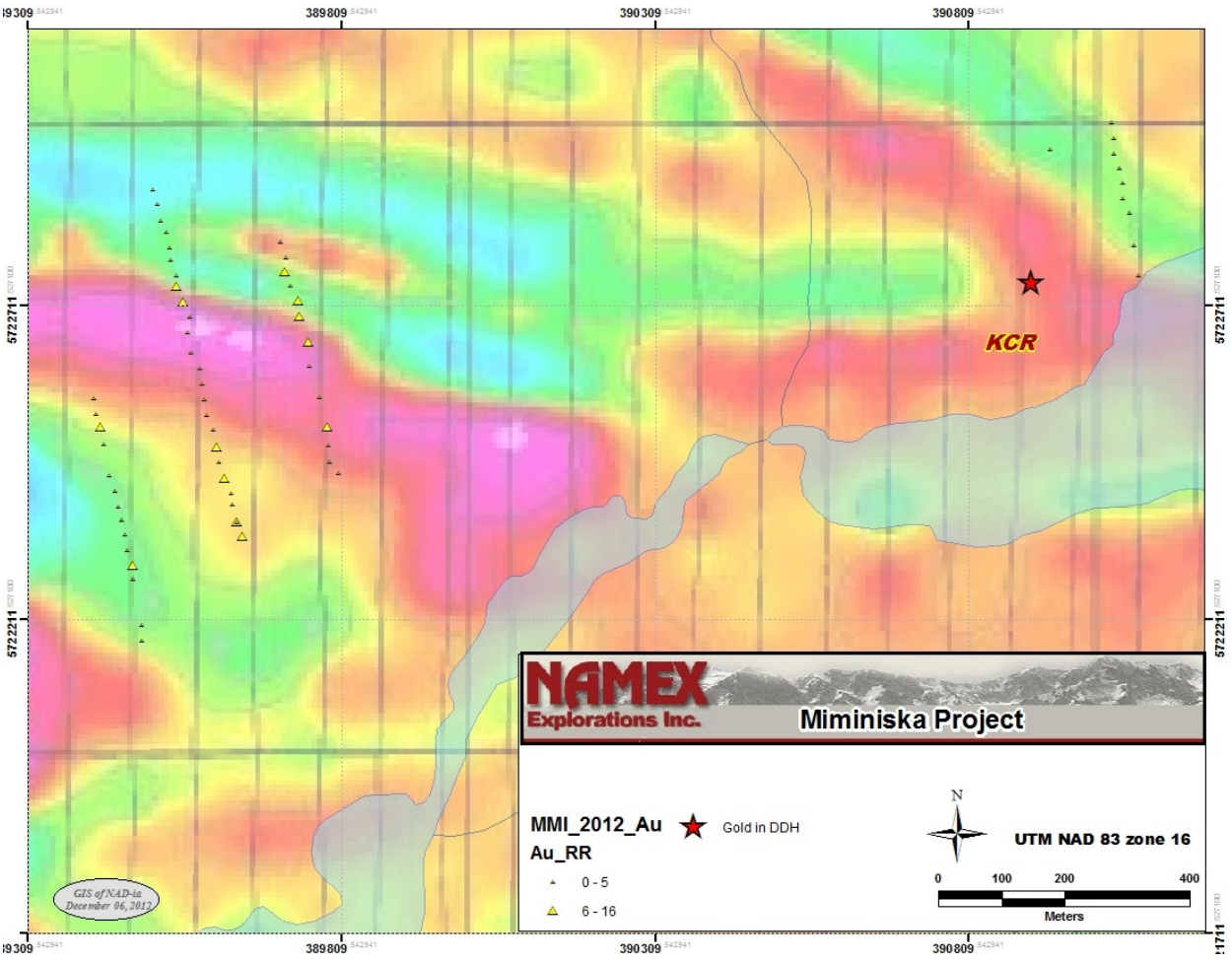

Figure 9: Plot of gold Response Ratios (AU_RR) for samples analyzed by the MMI analytical method. Coloured background is from the magnetic map obtained in 2011 (Gale, 2011).

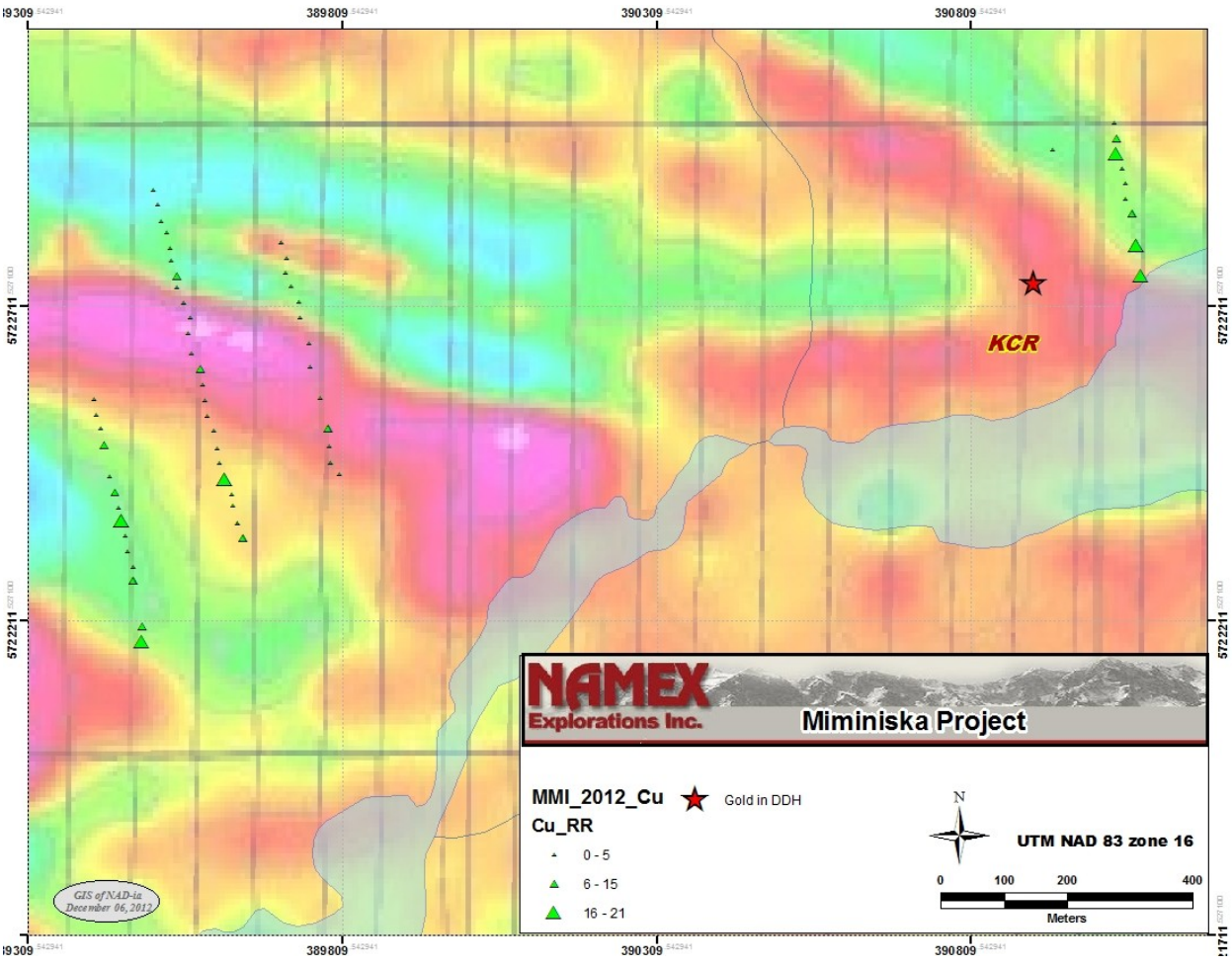

Figure 10: Plot of copper Response Ratios (Cu_RR) for samples analyzed by the MMI analytical method. Coloured background is from the magnetic map (Gale, 2011).

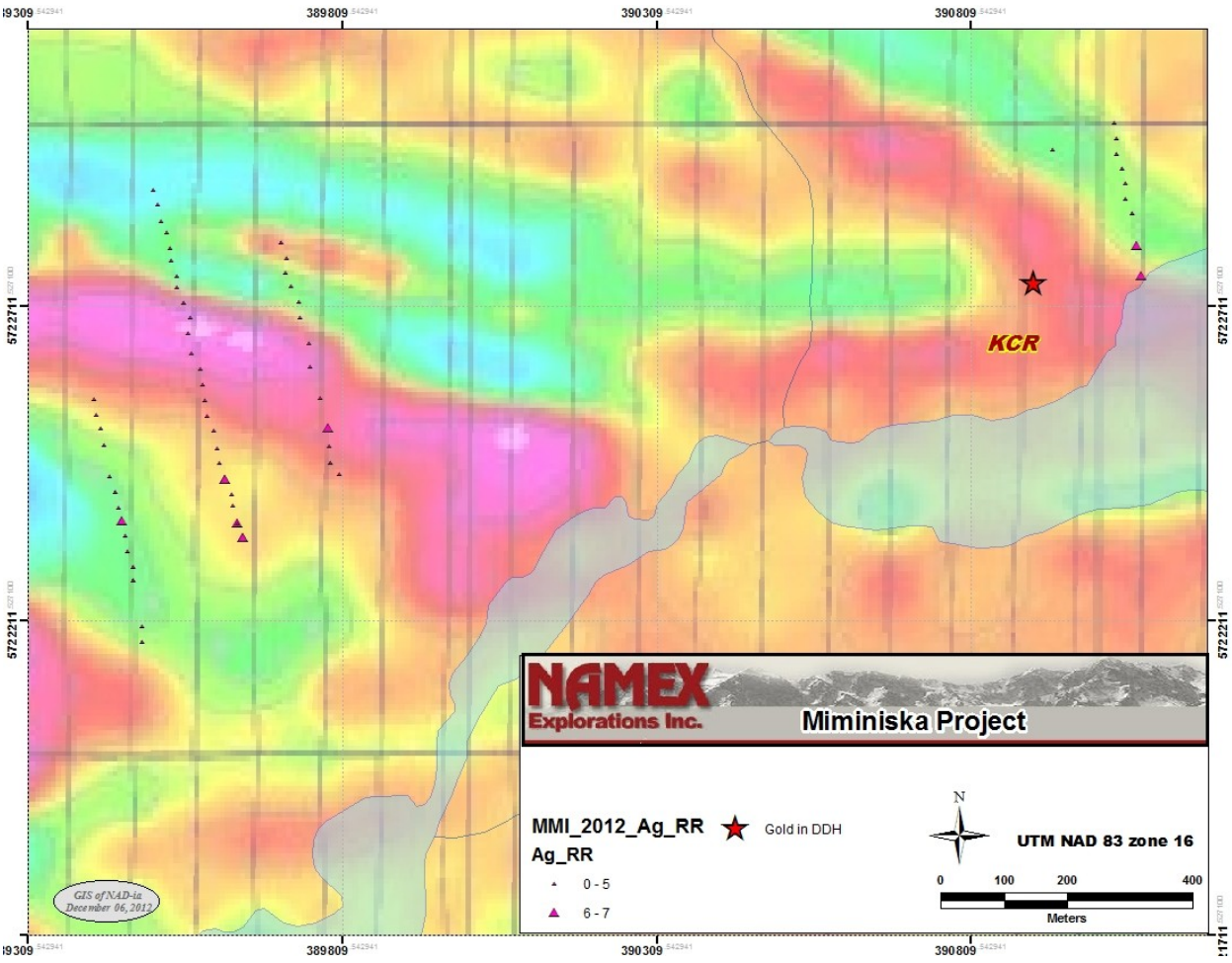

Figure 11: Plot of silver response ratios (Ag_RR) for samples analyzed by the MMI analytical method.

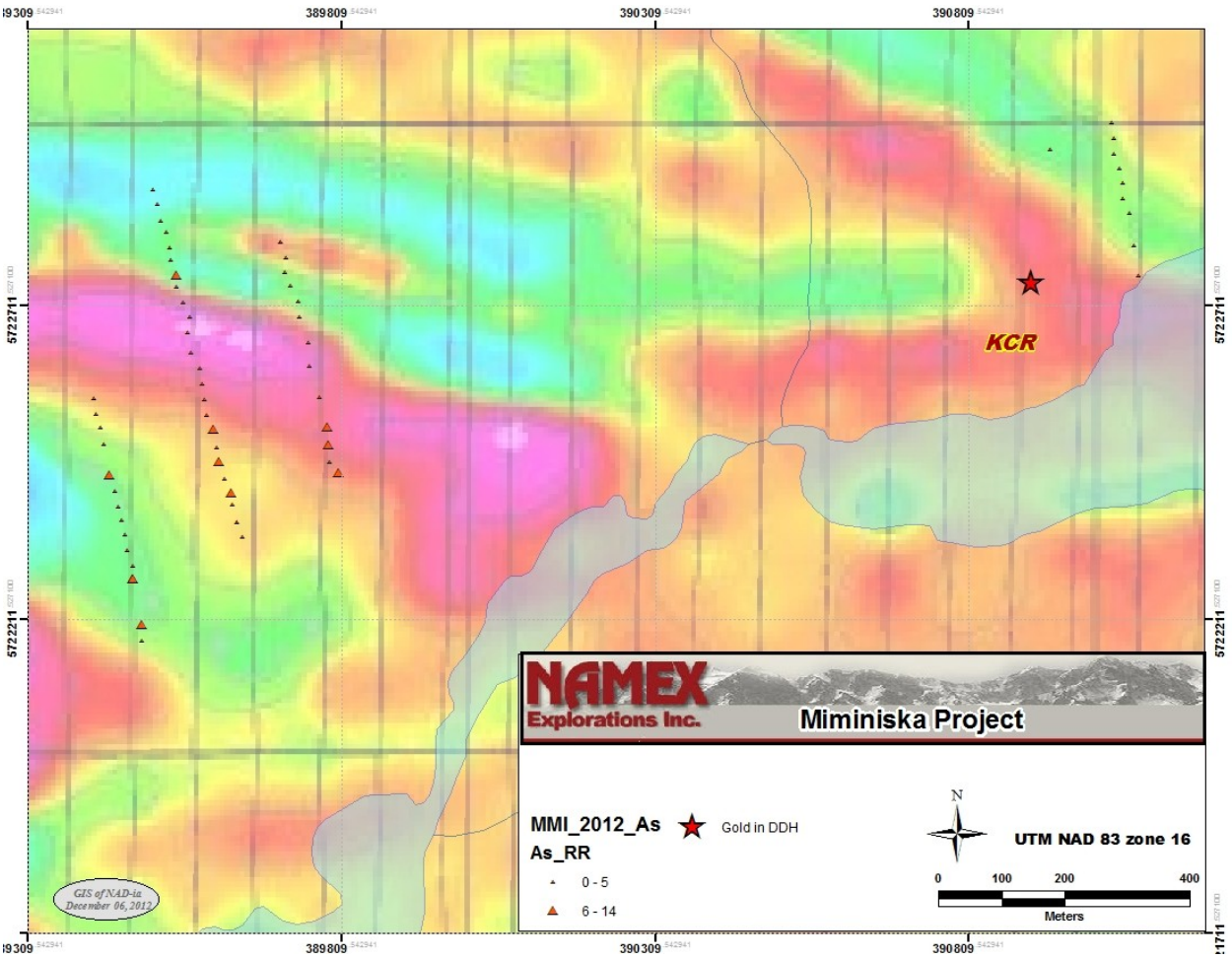

Figure 12: Plot of arsenic response ratios (As_RR) for samples analyzed by the MMI analytical method.

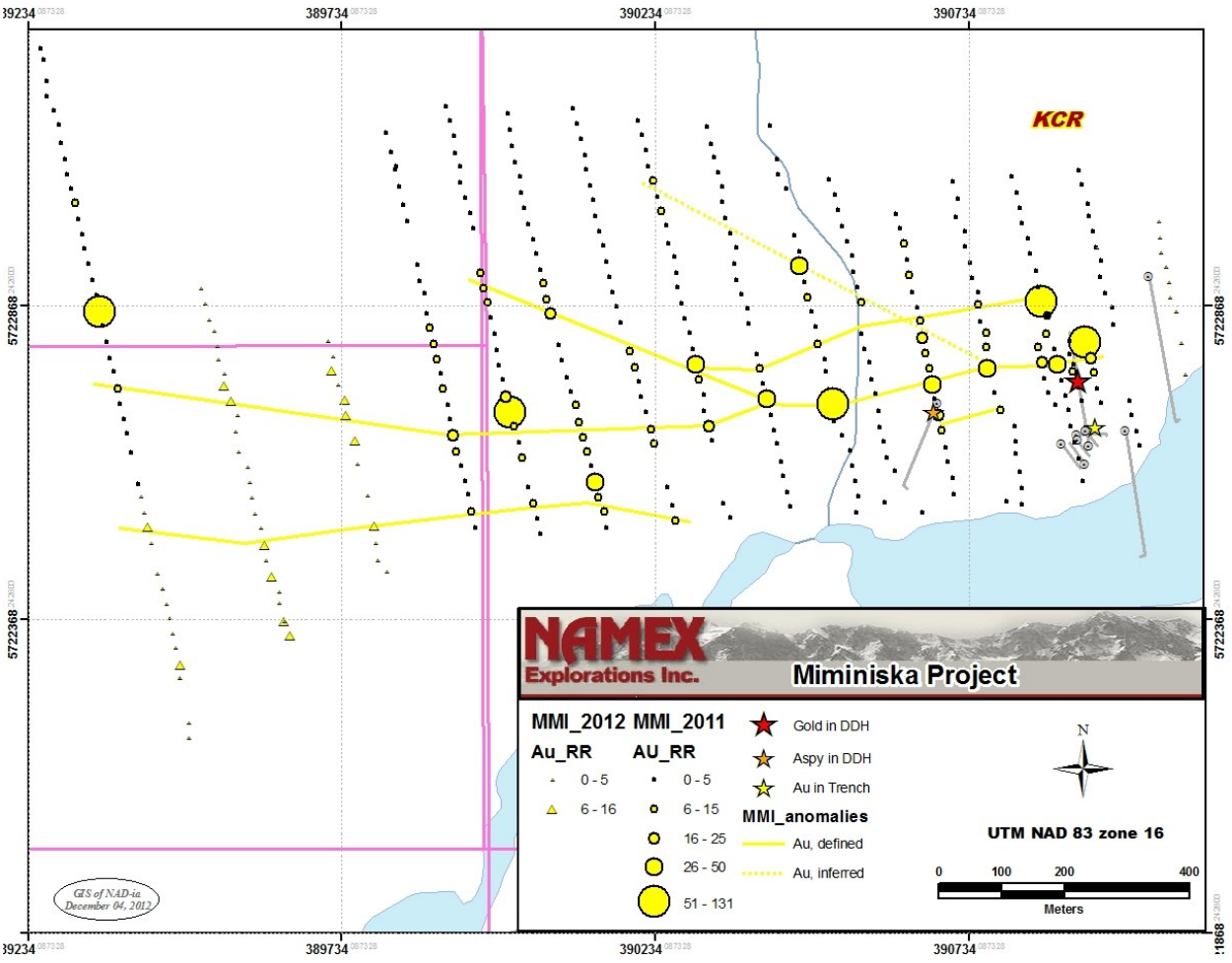

Figure 13: Plot of gold response ratios for samples analyzed by the MMI method in 2011 and 2012 with possible trend lines of vein system and location of previous drill holes.

The MMI gold Response Ratios (Au_RR) for the 2012 samples show that gold anomalies identified in 2011 extend westwards to at least line 15 west. Copper, silver and arsenic anomalies are associated with the gold anomalies (Figs. 8-12).
With the exception of line 3W, there is anomalous gold along a continuous trend that has an overall strike length of nearly 1.5 km. This data suggests that the silicified mineralized zone intersected in drillhole MM10-01 probably extends for more than 1.5 km of strike length.
In addition, the other multi-sample anomalies within this survey area suggest that there are multiple veins of mineralization present.

A line of samples collected east of the 2011 sample grid (Fig. 9) did not detect any anomalous gold. The Cu, Ag and As anomalies on this line suggest that the mineralized system is still present, but the gold-bearing veins may be situated further south under the lake.

Figure 12 shows the gold response ratios (AU_RR) and the interpretation of the data as a series of gold-bearing veins. This diagram also shows the location of historic holes drilled by Darius Mines Inc and Anaconda as provided in government assessment files (52P10NE0021, -0023, -0025). Drillholes of particular interest are holes M-86-8 (located furthest northeast of the trench) and hole M-86-9 (located furthest southwest of the trench); but no assay data are available for the drill cores. Drillhole M-86-8, intersected minor quartz and arsenopyrite.

Enzyme Leach Results

Sample locations are presented on Figures 14 to 20 and included in tabular format on the enclosed CD. Analytical data and correlation coefficients are also presented in the Appendices on the attached CD. Gold contents for the samples are plotted on Figures 21-23.

In the 'Nose area' west of the KCR occurrence there is a multi-sample anomaly defined by samples G2-29 to G2-32 that is coincident with both an electromagnetic anomaly and a break in the magnetic signature. This is a new target area and displaced several hundred meters west of the previously drilled targets in this area.

At the U2 occurrence the highest gold content is consistent with an electromagnetic target that has not been drilled to date. Previous drilling was focused on the magnetic iron formation to the north of this anomaly (Fig. 21).

The best gold anomaly at the U1 occurrence occurs between two electromagnetic conductors and west of the known gold intersections in drill core and the historic trenches. In addition the eastern line of samples has identified both high background gold contents and a one sample anomaly in the area thought to be underlain by sedimentary rocks.

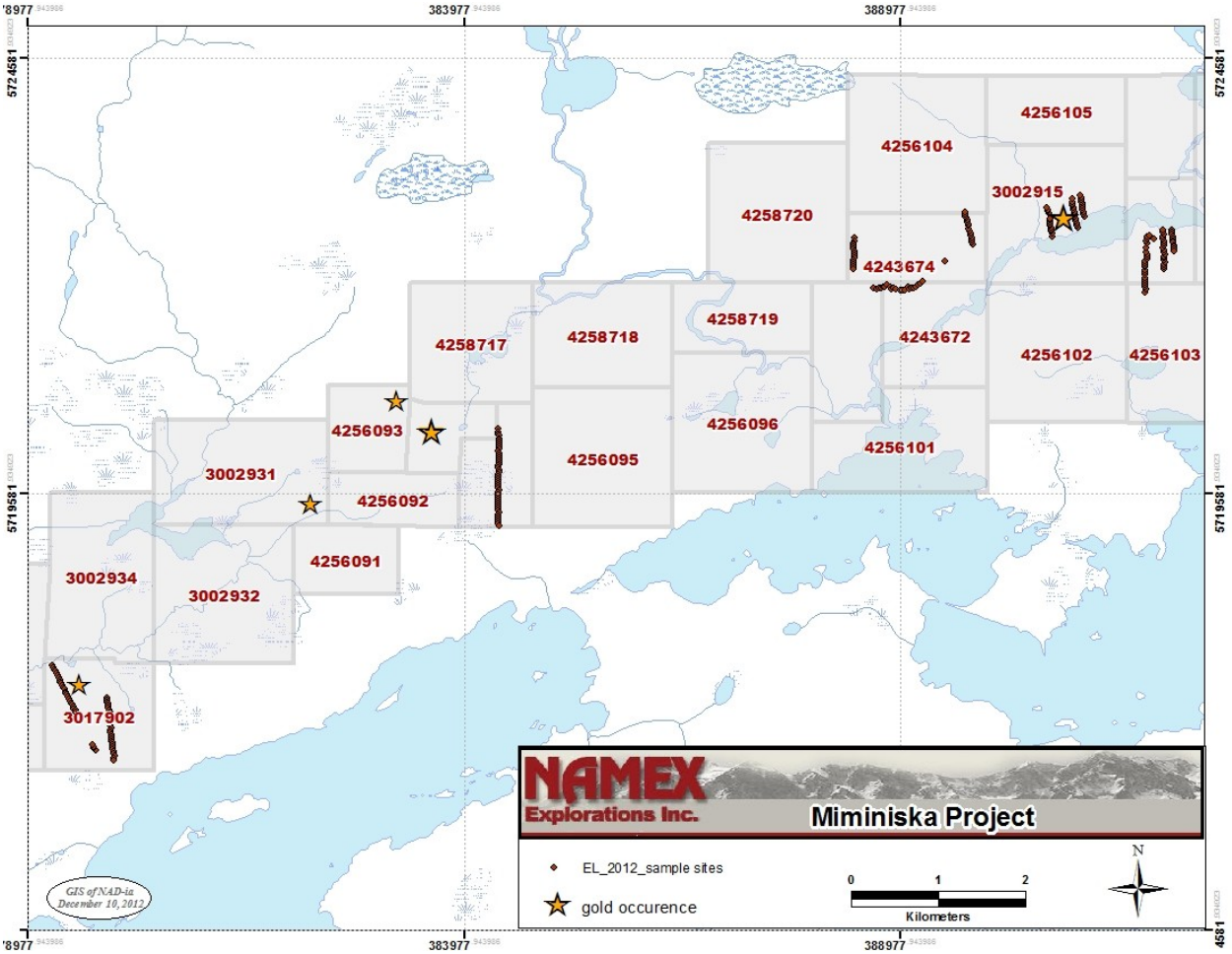

Figure 14: Location of all Enzyme Leach sample collection sites on the Miminiska property

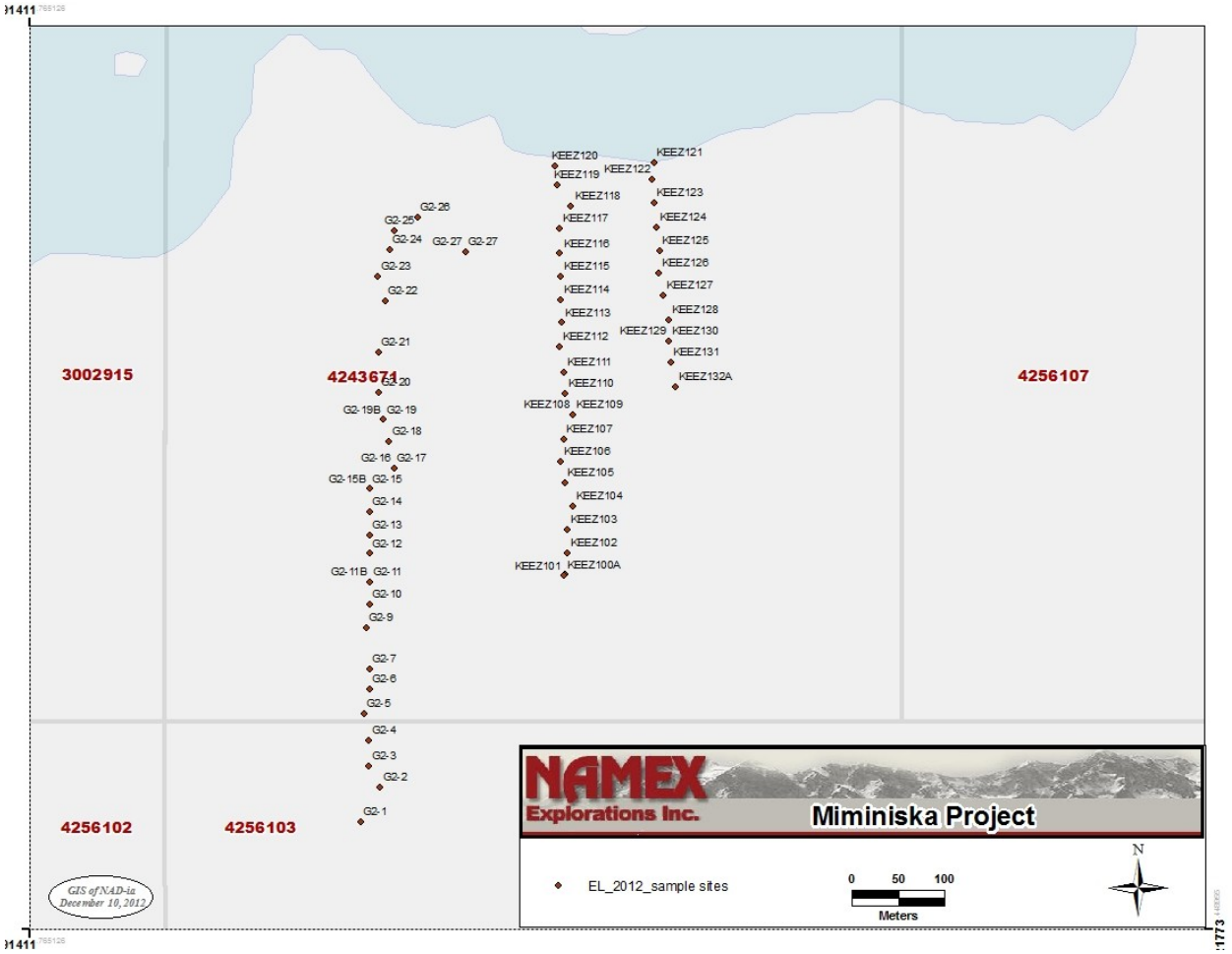

Figure 15: Location of samples east of the KCR occurrence (location E, Figure 21)

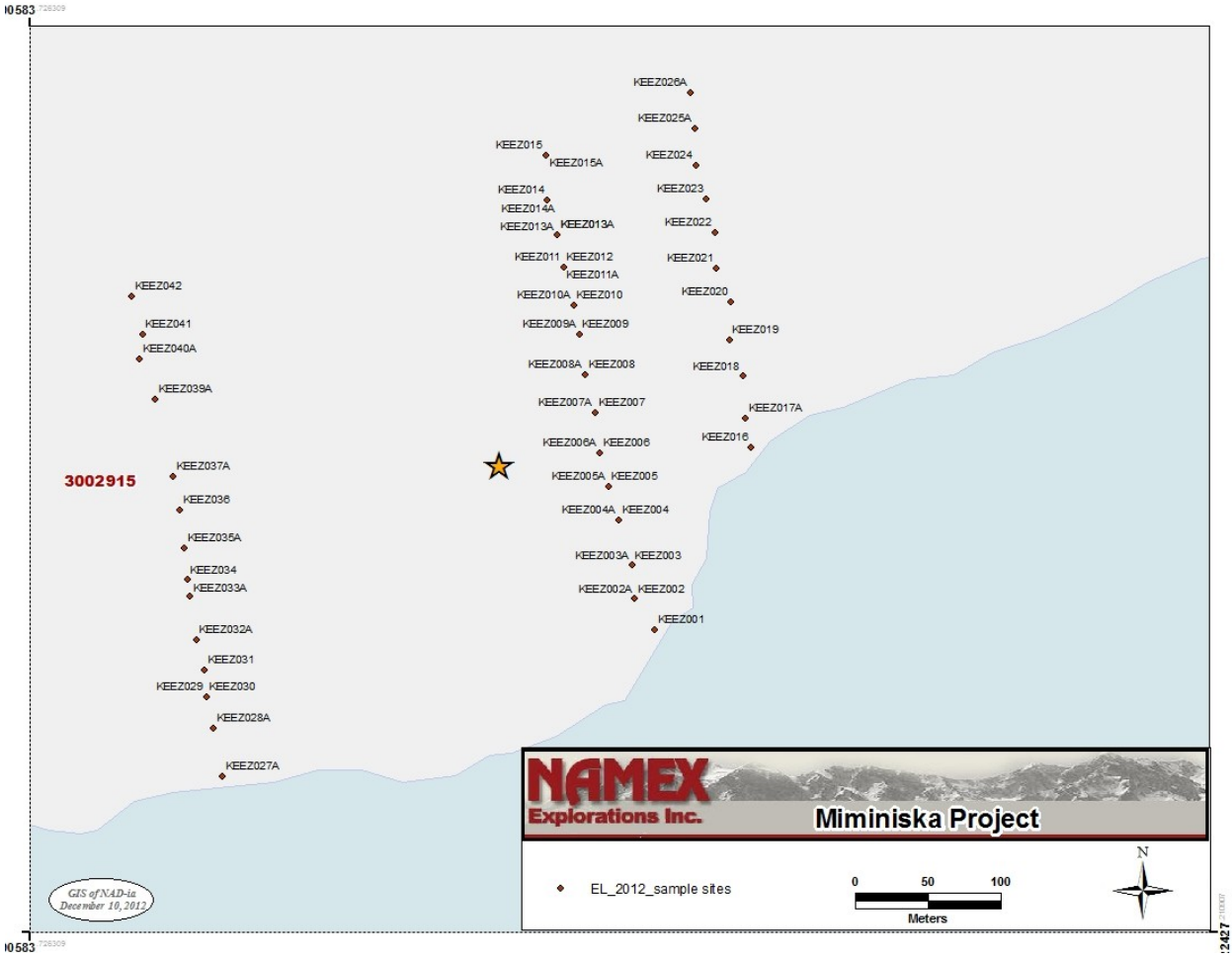

Figure 16: Location of soil samples analyzed by the Enzyme Leach method at the KCR occurrence (star).

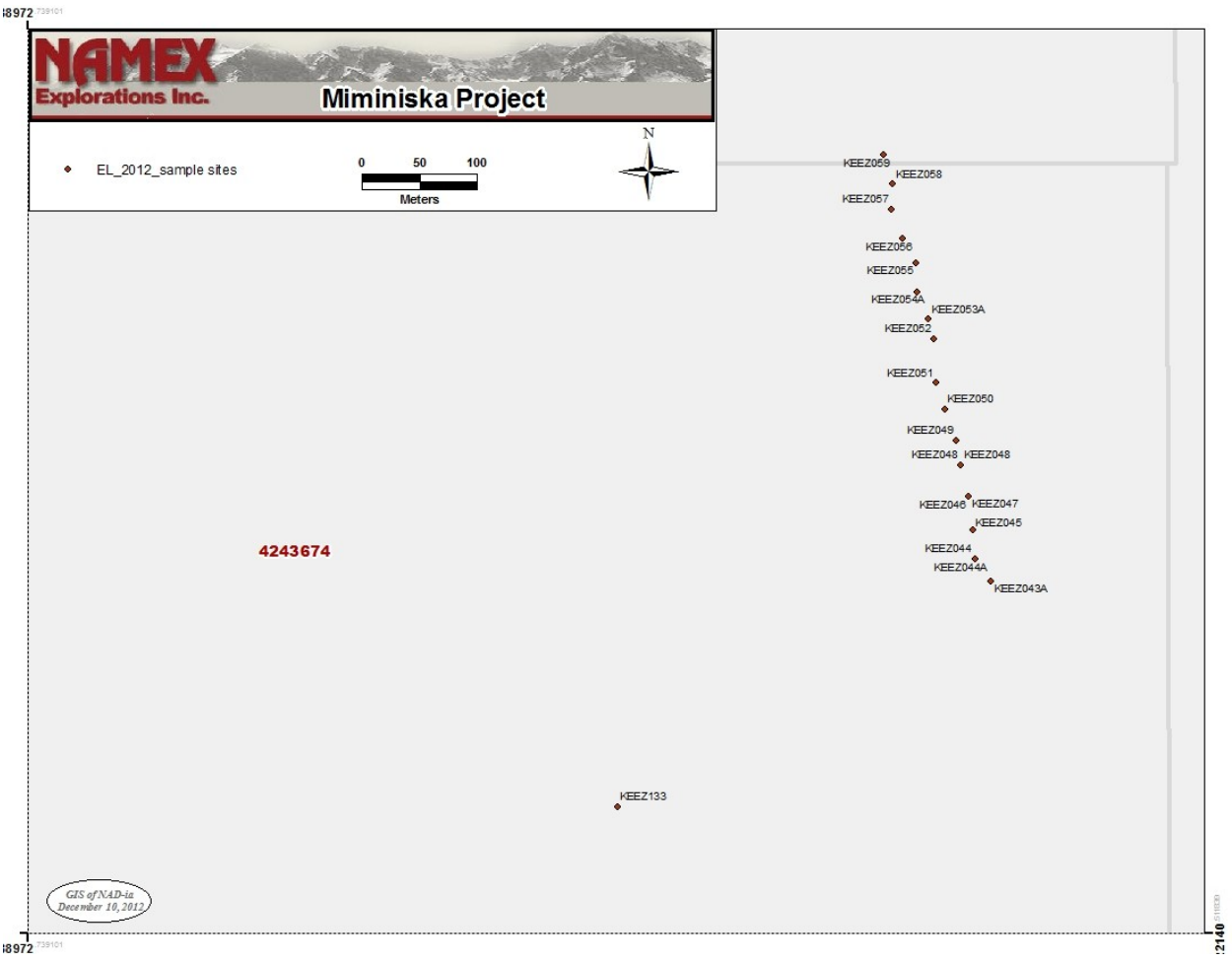

Figure 17: Location of soil samples analyzed by the Enzyme Leach method at the western end of the KCR grid. Compare with Figure 14.

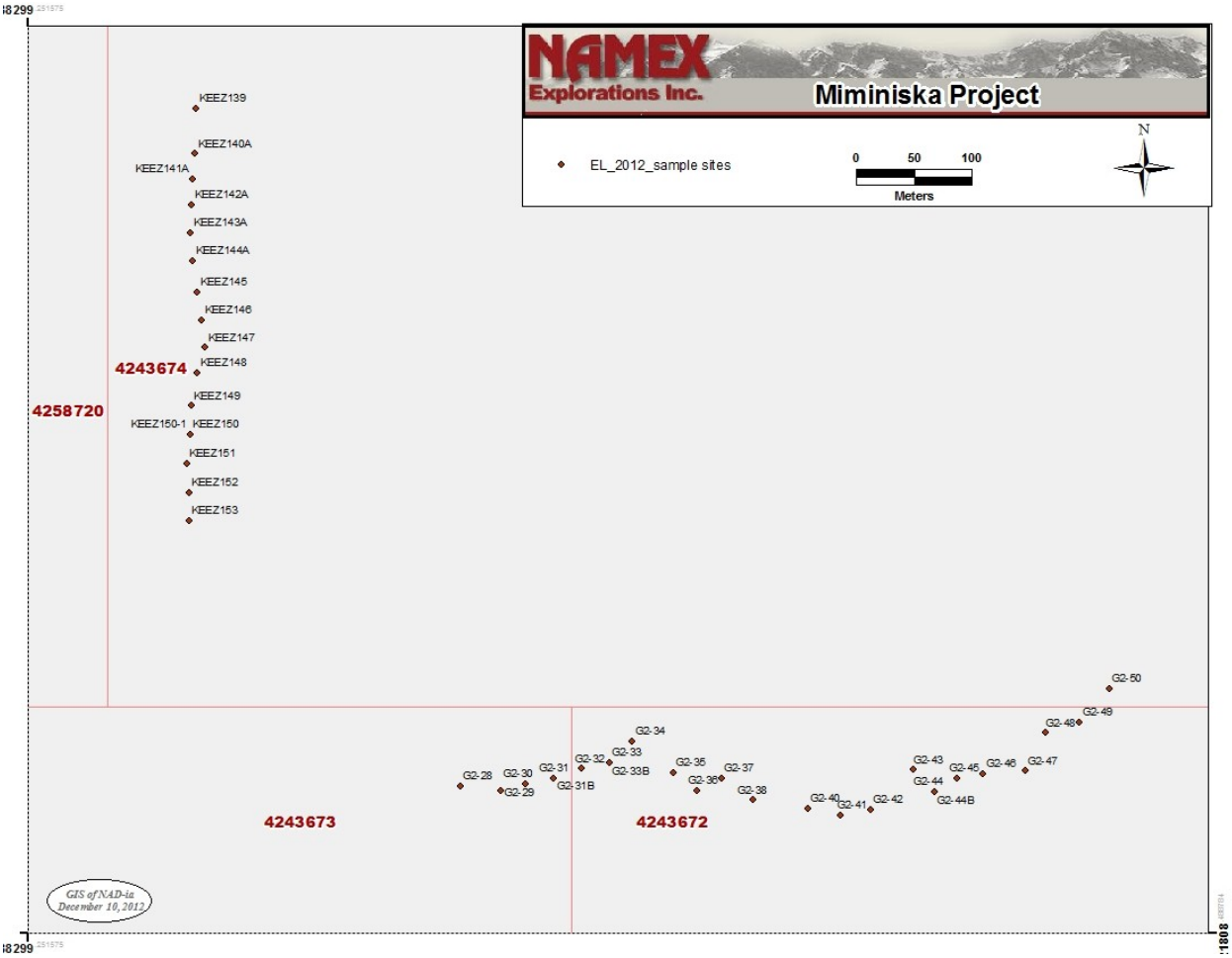

Figure 18: Location of samples in the 'Nose area'

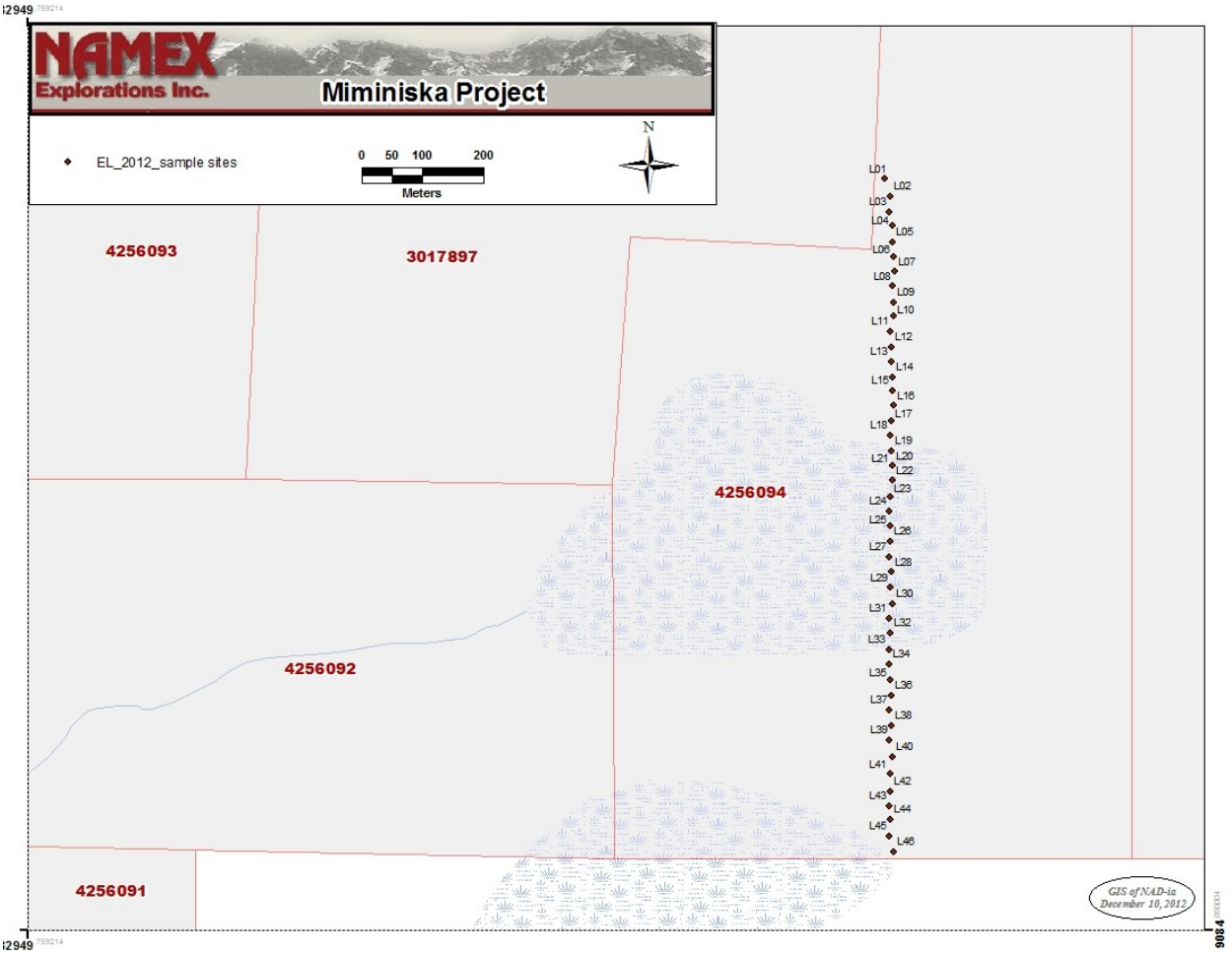

Figure 19: Location of soil samples analyzed by the Enzyme Leach method at the U2 occurrence

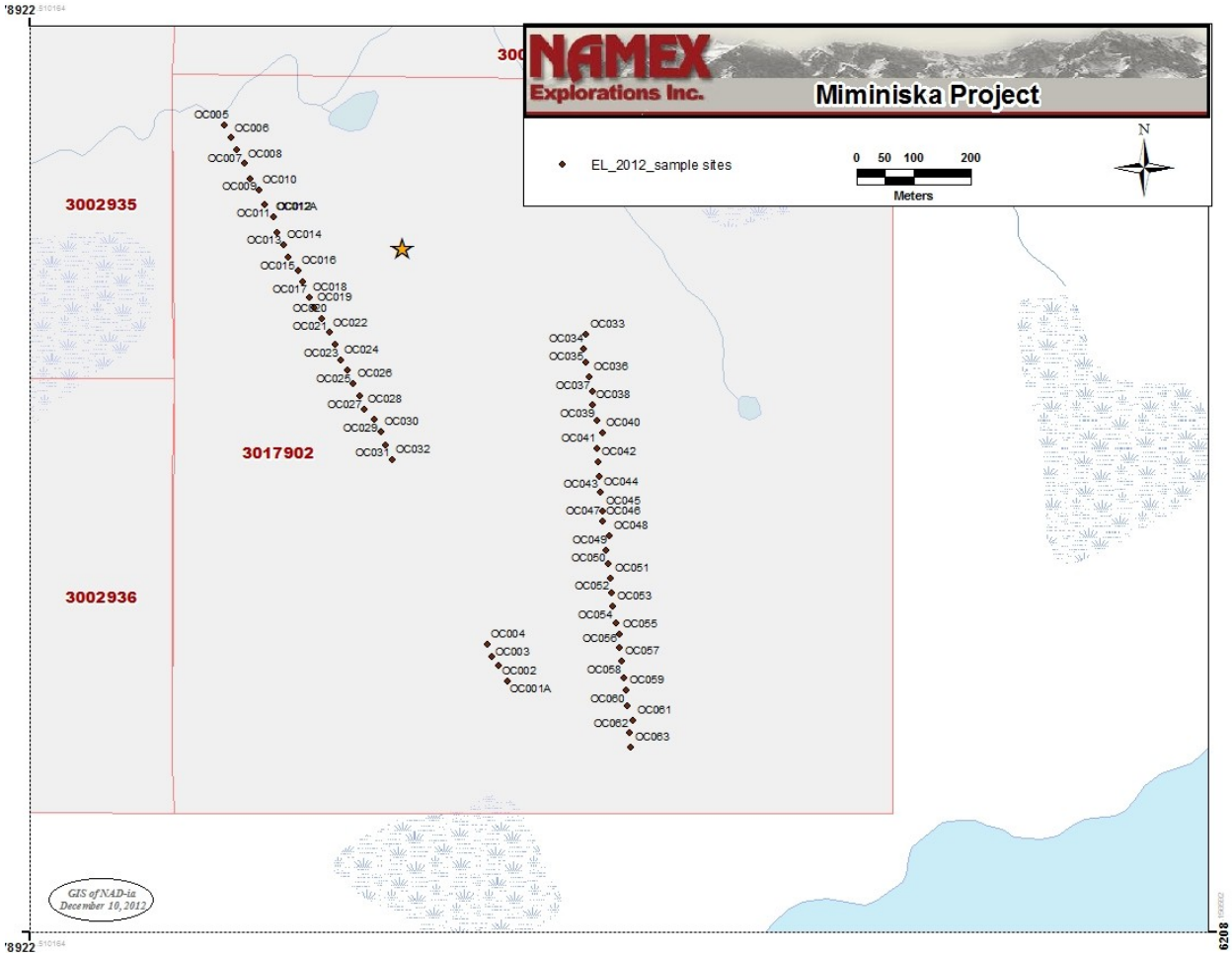

Figure 20: Location of samples analyzed by the Enzyme Leach method near the U1 occurrence.

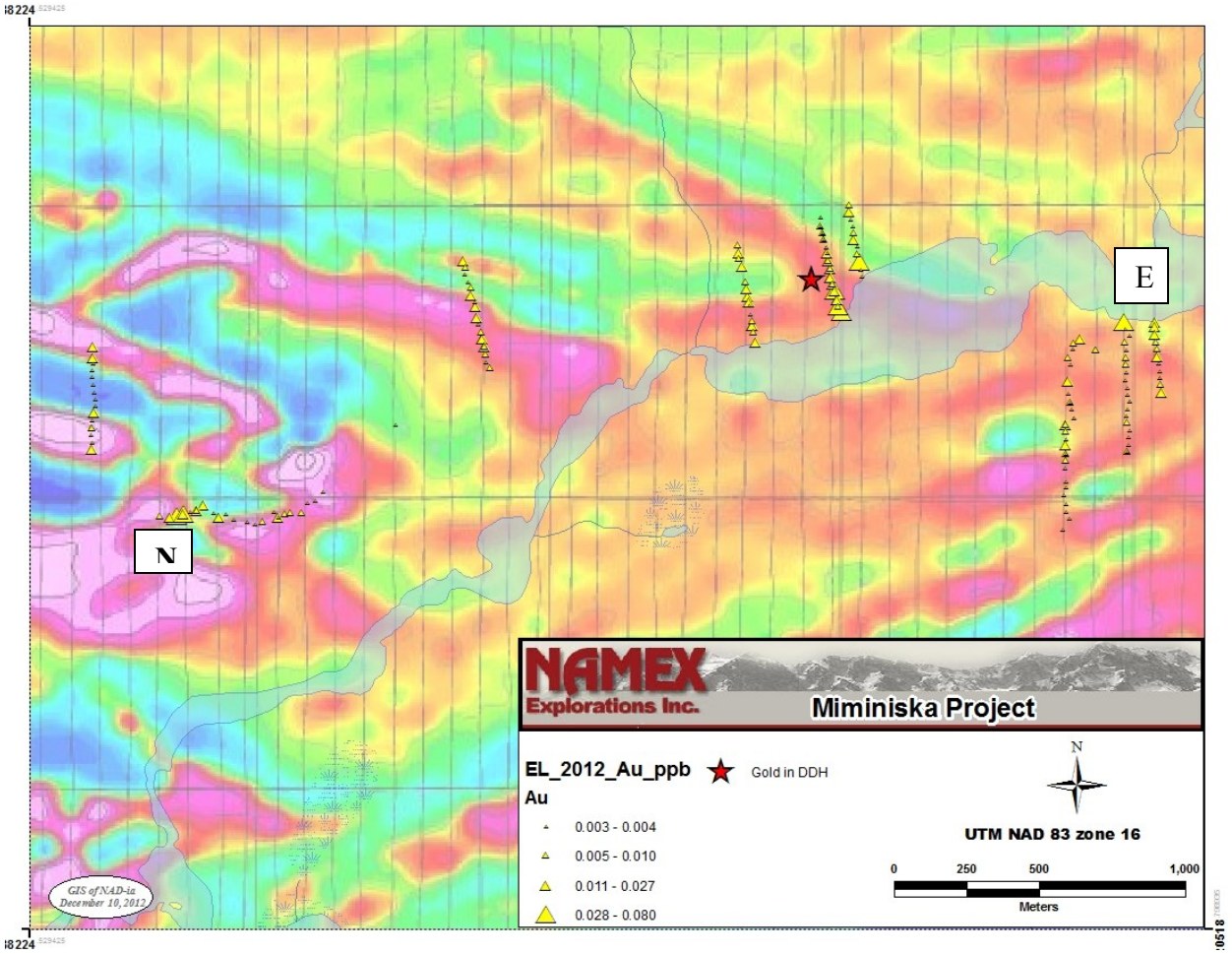

Figure 21: Plot of Enzyme Leach Au contents in the vicinity of the KCR occurrence. Note anomalies at the 'Nose area' (N) and in the area east of the KCR occurrence (E).

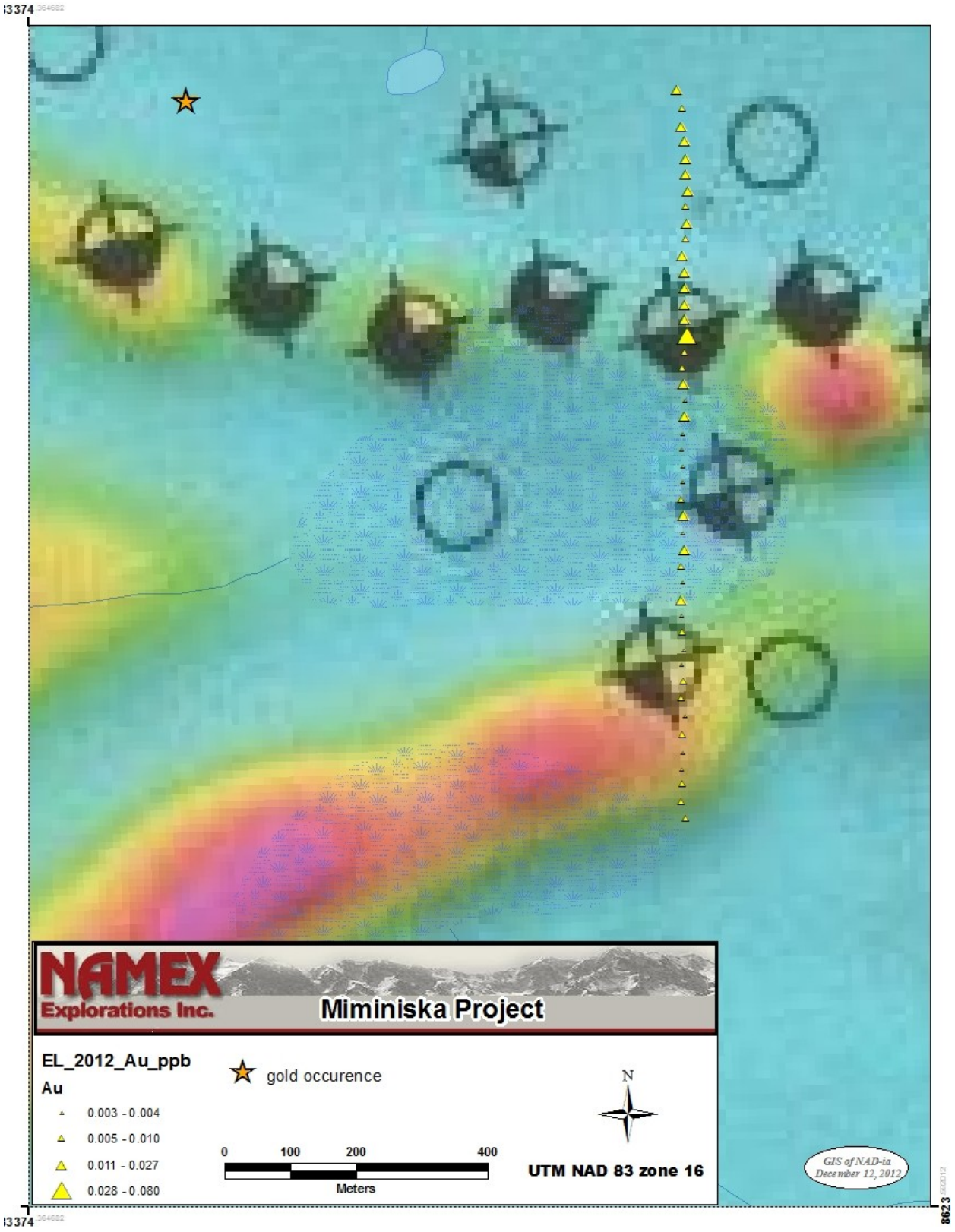

Figure 22: Plot of Au contents for Enzyme Leach samples collected in the vicinity of the U2 occurrence (star). Airborne electromagnetic anomalies (circles) on a magnetic anomaly base map.

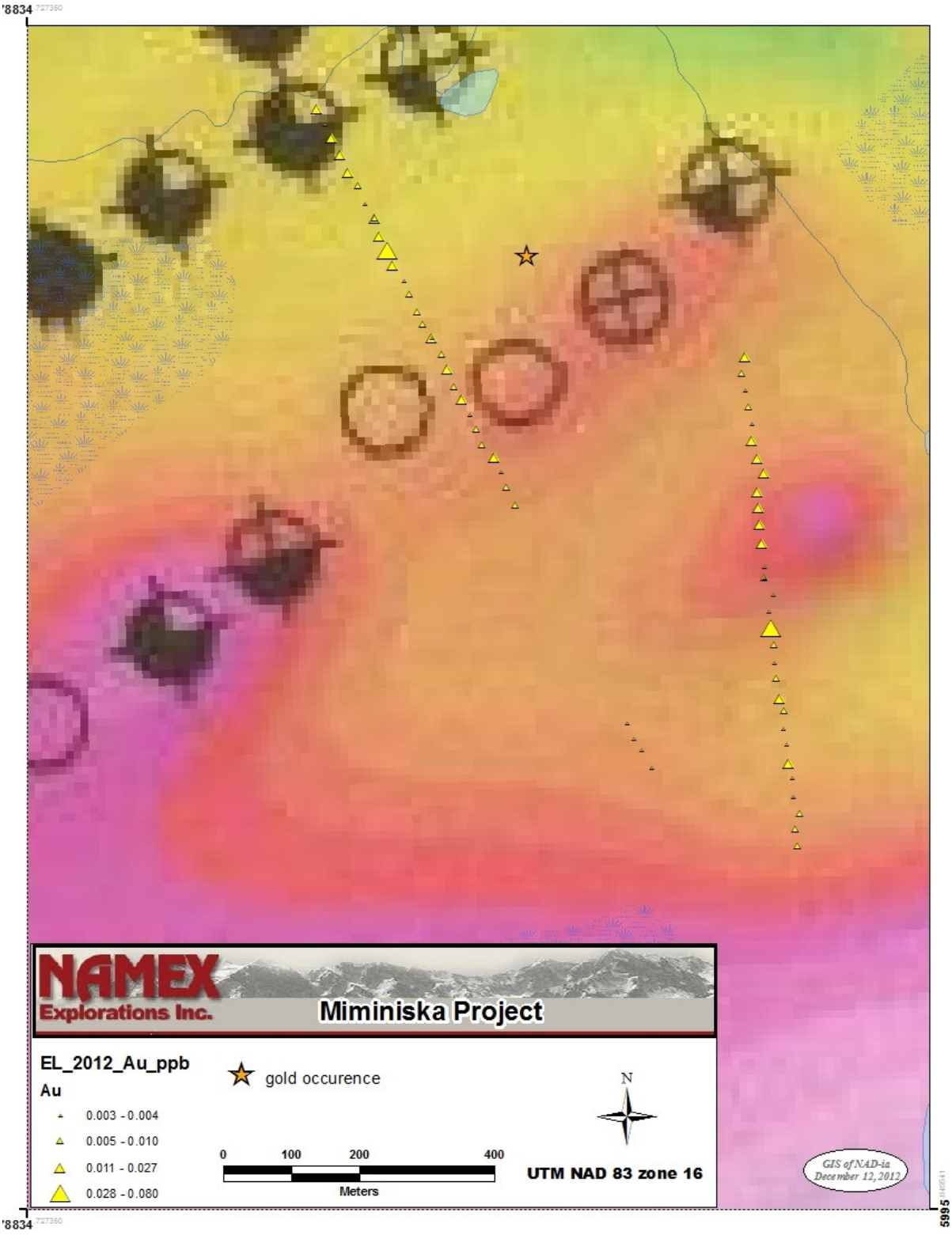

Figure 23: Plot of gold contents for samples collected in the vicinity of the U1 occurrence. Airborne electromagnetic anomalies (circles) on a magnetic anomaly base map.

Conclusions

Geological Investigations

Although limited mainly to establishing baseline information for future surveys and drill programs, the geological observations made this year are significant to understanding the geological setting of the gold mineralizations in this poorly exposed area. Namely, the correlation of magnetite-bearing volcaniclastic rocks with strongly magnetic stratigraphic formations in the KCR area preempts their interpretation as 'iron formation' and these units can for the most part be removed from coverage by detailed geochemical surveys except where they are cut by magnetic lows that correlate with interpreted structural features as these may represent zones of alteration by mineralizing fluids.

Application of the observations gathered at the KCR and U1 occurrences to the drill information available for the BAR occurrence suggests that there are a least two separate gold-bearing zones of silicification with a westerly strike. One of these gold-bearing zones is interpreted to have a strike length of approximately 200 m and has not been drilled along strike to the west.

Geochemical Surveys

The geological observations were used to guide the layout of reconnaissance geochemical sampling lines, which have outlined new gold targets at both the 'Nose', U1 and U2 occurrences.

The geochemical sampling conducted in the area east of the KCR occurrence did not identify any multi-sample gold anomalies even though the assessment files show 10 historic drill holes in the area. The gold potential of this area can now be downgraded as a result of this year's work program.

Additional sampling at the KCR occurrence shows a strong gold anomaly southeast of the trench in the area adjacent to the lake. There are several grey quartz veins cutting the sedimentary rocks in this area, and previous drilling recorded arsenopyrite in the drill core in association with silica-rich rocks.
Samples collected west of the 2011 MMI sample grid indicate that the KCR gold-bearing system can be now traced for a distance of over 1500 m in a westerly direction.

Samples collected across the nose of an interpreted fold structure indicate a strong gold anomaly adjacent to an electromagnetic conductor and in an area where the magnetic rocks appear to be faulted.

Samples collected at the U2 and U1 occurrences provided new anomalies that have not been drilled.

Recommendations

1. An IP survey should be conducted over the Keezhik Creek grid area to identify the extent and plunge of the gold-bearing structures that are giving the gold responses.
2. A modest 1000 m drill program should be undertaken on the gold-bearing structures at the KCR occurrence.
3. Grid based geochemical soil surveys should be undertaken at the Nose, BAR, U1 and U2 occurrences.
4. Additional reconnaissance soil sampling traverses should be undertaken in areas deemed to have a high potential for the discovery of gold resources, e.g. along the northeast trending structure in areas of no outcrop and in the areas of silicification northwest of the U2 occurrence.

Respectively Submitted:

Yavorskaya

Nadezda Yavorskaya

George H. Gale

George H. Gale, PhD, PEng

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Summary Report – Keezhik-Miminiska-Cadman Projects
Ontario Government Assessment Report

Clark, D., 2008
Assessment Report on the 2008 Diamond drill Program, Miminiska Property Baroque Zone and YMIR Zone in the Fort Hope Area, NW Ontario, Thunder Bay Mining District NTS area 52P / 10 SE (Miminiska Lake) & NE (Nesting Lake)

Gale, G.H., 2011

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Nadezda Yavorskaya

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Report on line cutting and geochemical surveys, Keezhik Creek area, Miminiska Project. NTS: 52 P/10. Miminiska Lake Area, Fort Hope, Ontario

DATE and SIGNATURE PAGE

This report titled "**Report on geological and geochemical surveys, Miminiska Lake Area Miminiska Project NTS: 52 P/10** ", and dated December 15, 2012 was prepared and signed by the authors:

Dated at Winnipeg, Manitoba
December 15, 2012:

"Nadezda Yavorskaya"

Nadezda Yavorskaya

"George H. Gale"

George H. Gale, PhD, PEng

DATE and SIGNATURE PAGE

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Dated at Winnipeg, Manitoba
December 15, 2012:

"Nadezda Yavorskaya" ``George H. Gale"

Nadezda Yavorskaya George H. Gale, PhD, PEng

CERTIFICATE OF QUALIFICATIONS

George H. Gale, PEng
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Telephone (204) 669-1166
Email: georgegalevp@yahoo.ca

I, George H. Gale, PEng., do hereby certify that:

1. I am a consulting geologist working as a sole proprietor from Winnipeg, Manitoba.
2. I am the holder of a Prospector's License in the Provinces of Ontario (409927) and Manitoba (4559).
3. I graduated with the degrees BSc (1966) and MSc (1970) from Memorial University and PhD from Durham University in 1971 in Geology.
4. I have co-authored the "Technical Report" titled "Report on Line Cutting and Geochemical Surveys Keezhik Creek Area, Miminiska Project, Thunder Bay Mining Division, Northwestern Ontario", and dated September 27, 2011.
5. I am a registered Professional Geoscientist with the Association of Professional Engineers and Geoscientists of Manitoba, a member of Manitoba Prospectors Association and a Fellow of the Society of Economic Geologists.
6. I have worked as a Geologist for 40 years since my graduation and in a management position with three junior exploration companies for the past 7 years.
7. I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements as a Qualified Person for the purposes of NI 43-101.
8. I was the Project Manager on the summer 2011 exploration program on the Namex Explorations Inc properties, including the Miminiska Project (the "Property").
9. I am responsible for the preparation of the entire Technical Report.
10. I am the President, CEO and Director of Namex Explorations Inc.
11. As of the date of this certificate, and to the best of my knowledge, information and belief, the Technical Report contains all scientific and technical information that is required to be disclosed to make the Technical Report not misleading.

Dated this 15th Day of December, 2012.

SIGNED and SEALED

"George H. Gale"

George H. Gale, PEng.

CERTIFICATE OF QUALIFICATIONS

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SIGNED and SEALED

"George H. Gale"

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George H. Gale, PEng.

Appendix 1: MMI Analytical Data for SGS analytical report TO122704 on attached CD.

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Appendix 2: Enzyme Leach Analytical Data Report A12-08571. Complete data are included on the attached CD.

Appendix 3: Response Ratios for analytical data (RR values) are included on the attached CD.

Appendix 4: Selective Correlation Coefficients for MMI Analytical Data. Values for all other elements are included on the attached CD.

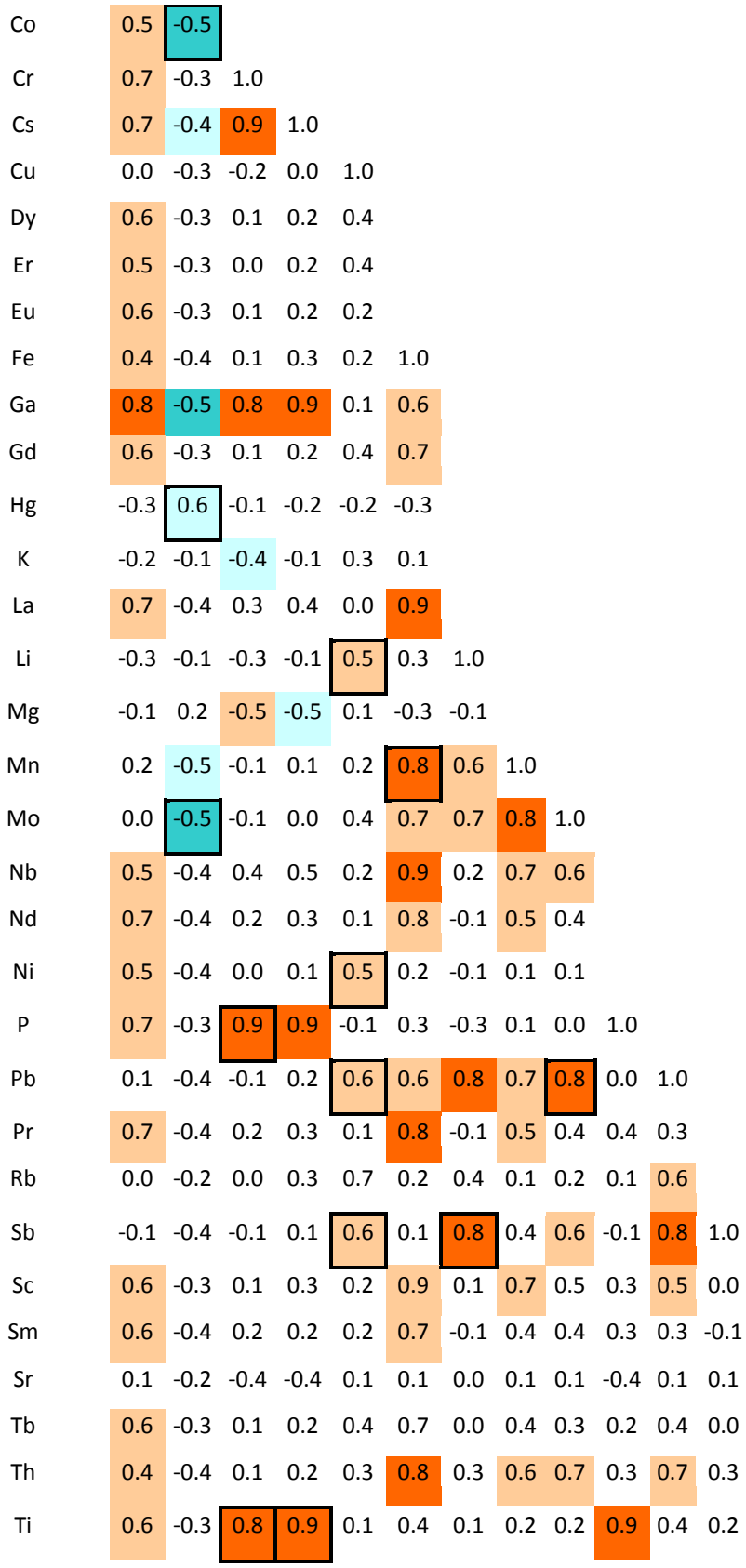
A. Sand Samples

	Ag	*Al*	*Au*	*Ca*	*Cd*	*Co*	*Cu*	*Fe*	*Mg*	*Nb*	*P*	*Sb*	*Sc*
Depth length													
Ag	1.0												
Al	-0.2	1.0											
As_	-0.2	0.1											
Au	0.0	-0.1	1.0										
Ba	0.6	-0.3	0.0										
Ca	0.4	-0.4	0.0	1.0									
Cd	0.1	0.5	-0.1	-0.2	1.0								
Ce	0.0	0.7	-0.2	-0.3	0.2								
Co	-0.1	0.6	-0.2	-0.4	0.8	1.0							
Cs	-0.2	0.8	-0.1	-0.4	0.1	0.1							
Cu	0.5	-0.2	-0.1	0.2	0.4	0.2	1.0						
Dy	0.3	0.7	-0.1	-0.2	0.2	0.1	0.1						
Er	0.3	0.7	-0.2	-0.3	0.3	0.3	0.1						
Eu	0.3	0.7	-0.1	-0.2	0.2	0.0	0.1						
Fe	-0.3	0.8	-0.2	-0.5	0.6	0.9	-0.1	1.0					
Ga	-0.3	0.9	-0.2	-0.6	0.6	0.8	-0.2	1.0					
Gd	0.4	0.6	-0.1	-0.1	0.2	0.0	0.2	0.1					
Hg	0.0	-0.3	0.1	-0.1	-0.2	-0.2	0.0	-0.2					
K	0.3	-0.1	-0.1	-0.2	0.3	0.2	0.3	0.0					
La	0.0	0.7	-0.1	-0.2	0.1	0.0	0.0	0.2					
Li	0.2	-0.3	0.0	-0.1	0.2	0.0	0.3	-0.2					
Mg	0.4	-0.5	0.1	0.8	-0.2	-0.3	0.0	-0.4	1.0				
Mn	0.1	-0.1	-0.2	-0.1	0.3	0.2	0.5	0.0	-0.3				

Mo	-0.1	-0.1	-0.2	-0.2	0.1	0.1	0.3	0.0	-0.3				
Nb	-0.2	0.8	-0.2	-0.6	0.5	0.7	0.0	0.9	-0.6	1.0			
Nd	0.1	0.7	-0.1	-0.2	0.1	0.0	0.0	0.1	-0.4	0.4			
Ni	0.5	0.1	-0.1	0.2	0.6	0.2	0.6	0.0	0.0	-0.1			
P	-0.3	0.8	-0.2	-0.5	0.6	0.9	-0.2	1.0	-0.5	0.9	1.0		
Pb	0.3	0.4	-0.1	-0.4	0.2	0.1	0.3	0.1	-0.4	0.5	0.1		
Pr	0.1	0.7	-0.1	-0.2	0.1	0.0	0.0	0.1	-0.4	0.4	0.2		
Rb	0.0	0.7	-0.1	-0.3	0.0	0.0	-0.2	0.2	-0.4	0.5	0.2		
Sb	0.0	-0.1	-0.1	0.0	0.2	0.1	0.7	0.0	-0.2	0.1	0.0	1.0	
Sc	0.0	0.9	-0.2	-0.5	0.6	0.8	-0.1	0.9	-0.4	0.9	0.9	-0.1	1.0
Sm	0.3	0.6	-0.1	-0.2	0.1	0.0	0.1	0.1	-0.3	0.4	0.1	0.0	0.4
Sr	0.4	-0.6	0.0	0.8	-0.2	-0.4	0.2	-0.5	0.8	-0.6	-0.5	0.1	-0.5
Tb	0.3	0.7	-0.1	-0.2	0.2	0.1	0.1	0.2	-0.2	0.4	0.2	0.0	0.5
Th	0.0	0.5	-0.2	-0.2	0.2	0.1	0.2	0.2	-0.5	0.4	0.2	0.4	0.2
Ti	-0.2	0.8	-0.2	-0.5	0.6	0.9	-0.1	1.0	-0.4	0.9	1.0	0.0	0.9
Tl	0.0	0.1	-0.1	0.1	0.0	-0.1	0.0	0.0	-0.1	0.1	0.0	-0.1	0.0
U	0.0	0.0	0.2	0.0	0.4	0.1	0.3	0.0	-0.2	0.1	0.0	0.3	-0.1
W	0.1	0.1	0.0	-0.3	0.0	0.1	0.1	0.0	-0.3	0.2	0.0	0.2	0.2
Y	0.3	0.7	-0.1	-0.2	0.3	0.2	0.2	0.3	-0.2	0.5	0.3	0.1	0.6
Yb	0.3	0.7	-0.2	-0.3	0.4	0.4	0.2	0.5	-0.3	0.6	0.5	0.1	0.7
Zn	-0.4	0.2	0.0	-0.2	0.1	0.1	-0.3	0.2	-0.4	0.2	0.3	-0.1	0.0
Zr	0.1	0.3	-0.2	-0.4	0.3	0.2	0.5	0.2	-0.5	0.5	0.2	0.7	0.3

B. Clay Samples

	Al	*Au*	*Cr*	*Cs*	*Cu*	*Fe*	*Li*	*Mn*	*Mo*	*P*	*Pb*	*Sb*
Sample_Code												
Depth												
length												
Ag												
Al	1.0											
As_	0.0											
Au	-0.5	1.0										
Ba	0.0	-0.2										
Ca	0.3	-0.2										
Cd	0.5	-0.4										
Ce	0.6	-0.4										


Co 0.5 -0.5
Cr 0.7 -0.3 1.0
Cs 0.7 -0.4 0.9 1.0
Cu 0.0 -0.3 -0.2 0.0 1.0
Dy 0.6 -0.3 0.1 0.2 0.4
Er 0.5 -0.3 0.0 0.2 0.4
Eu 0.6 -0.3 0.1 0.2 0.2
Fe 0.4 -0.4 0.1 0.3 0.2 1.0
Ga 0.8 -0.5 0.8 0.9 0.1 0.6
Gd 0.6 -0.3 0.1 0.2 0.4 0.7
Hg -0.3 0.6 -0.1 -0.2 -0.2 -0.3
K -0.2 -0.1 -0.4 -0.1 0.3 0.1
La 0.7 -0.4 0.3 0.4 0.0 0.9
Li -0.3 -0.1 -0.3 -0.1 0.5 0.3 1.0
Mg -0.1 0.2 -0.5 -0.5 0.1 -0.3 -0.1
Mn 0.2 -0.5 -0.1 0.1 0.2 0.8 0.6 1.0
Mo 0.0 -0.5 -0.1 0.0 0.4 0.7 0.7 0.8 1.0
Nb 0.5 -0.4 0.4 0.5 0.2 0.9 0.2 0.7 0.6
Nd 0.7 -0.4 0.2 0.3 0.1 0.8 -0.1 0.5 0.4
Ni 0.5 -0.4 0.0 0.1 0.5 0.2 -0.1 0.1 0.1
P 0.7 -0.3 0.9 0.9 -0.1 0.3 -0.3 0.1 0.0 1.0
Pb 0.1 -0.4 -0.1 0.2 0.6 0.6 0.8 0.7 0.8 0.0 1.0
Pr 0.7 -0.4 0.2 0.3 0.1 0.8 -0.1 0.5 0.4 0.4 0.3
Rb 0.0 -0.2 0.0 0.3 0.7 0.2 0.4 0.1 0.2 0.1 0.6
Sb -0.1 -0.4 -0.1 0.1 0.6 0.1 0.8 0.4 0.6 -0.1 0.8 1.0
Sc 0.6 -0.3 0.1 0.3 0.2 0.9 0.1 0.7 0.5 0.3 0.5 0.0
Sm 0.6 -0.4 0.2 0.2 0.2 0.7 -0.1 0.4 0.4 0.3 0.3 -0.1
Sr 0.1 -0.2 -0.4 -0.4 0.1 0.1 0.0 0.1 0.1 -0.4 0.1 0.1
Tb 0.6 -0.3 0.1 0.2 0.4 0.7 0.0 0.4 0.3 0.2 0.4 0.0
Th 0.4 -0.4 0.1 0.2 0.3 0.8 0.3 0.6 0.7 0.3 0.7 0.3
Ti 0.6 -0.3 0.8 0.9 0.1 0.4 0.1 0.2 0.2 0.9 0.4 0.2

Tl	0.7	-0.3	0.9	0.8	-0.1	0.4	-0.2	0.1	0.0	0.9	0.1	-0.1
U	0.8	-0.5	0.4	0.5	0.3	0.4	-0.1	0.3	0.3	0.5	0.3	0.1
W	0.1	-0.3	-0.1	0.2	0.3	0.7	0.5	0.7	0.7	0.1	0.7	0.5
Y	0.6	-0.4	0.1	0.2	0.4	0.8	0.1	0.6	0.5	0.2	0.5	0.0
Yb	0.4	-0.3	0.0	0.2	0.5	0.9	0.3	0.7	0.6	0.2	0.7	0.2
Zn	0.8	-0.4	0.9	0.9	-0.1	0.2	-0.1	0.0	0.0	0.9	0.1	0.1
Zr	0.3	-0.3	0.2	0.3	0.4	0.8	0.5	0.7	0.8	0.4	0.8	0.5

Appendix 5: Significant Correlation Coefficients for Enzyme Leach Analytical Data. Values for all other elements are included on the attached CD.

	Mo	*Sb*	*W*	*Au*	*Co*	*Ni*	*Cu*	*Zn*	*Pb*	*Ag*
DEPTH										
Cl										
Br										
I										
V										
As_										
Se										
Mo	1.0									
Sb	0.0	1.0								
Te	0.6	0.0								
W	0.0	0.0	1.0							
Re	0.4	0.1	0.2							
Au	-0.1	0.5	0.0	1.0						
Hg	0.5	0.0	0.1	-0.1						
Th	-0.1	0.0	0.2	0.0						
U	0.0	0.0	0.1	0.2						
Co	0.0	0.1	0.3	0.1	1.0					
Ni	-0.1	0.1	0.4	0.1	0.7	1.0				
Cu	-0.1	0.1	0.2	0.2	0.6	0.6	1.0			
Zn	-0.1	-0.1	0.5	-0.1	0.3	0.3	0.2	1.0		
Pb	-0.1	0.0	0.5	0.0	0.5	0.5	0.5	0.4	1.0	
Ga	0.0	0.0	0.3	0.1	0.6	0.7	0.5	0.5	0.7	
Ge	-0.1	0.0	0.2	0.0	0.3	0.4	0.2	0.1	0.3	

Ag	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	1.0
Cd	0.0	0.0	0.5	-0.1	0.4	0.5	0.2	0.7	0.6	0.0
In_	0.0	0.0	0.2	0.0	0.4	0.4	0.5	0.2	0.4	0.1
Sn	-0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.5	0.0	0.0
Tl	0.2	-0.1	0.4	0.0	0.3	0.2	0.1	0.5	0.4	0.0
Bi	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.1	0.2	0.2
Ti	-0.2	-0.1	0.3	0.1	0.5	0.7	0.3	0.3	0.5	0.0
Cr	-0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.0
Y	-0.1	0.0	0.2	0.1	0.6	0.6	0.8	0.1	0.6	0.0
Zr	0.1	0.0	0.0	0.0	0.1	0.1	0.1	-0.1	0.1	0.8
Nb	-0.1	0.0	0.2	0.2	0.4	0.5	0.3	0.0	0.2	-0.1
Hf	0.1	0.0	0.0	0.0	0.1	0.1	0.2	-0.1	0.1	0.8
Ta	0.4	0.0	0.0	0.2	0.2	0.2	0.2	-0.2	0.0	0.0
La	-0.1	0.0	0.2	0.1	0.5	0.6	0.6	0.1	0.6	0.0
Ce	-0.1	0.0	0.2	0.0	0.5	0.5	0.6	0.1	0.6	0.0
Pr	-0.1	0.0	0.2	0.1	0.5	0.5	0.7	0.0	0.5	0.0
Nd	-0.1	0.0	0.1	0.1	0.5	0.5	0.7	0.0	0.5	0.0
Sm	-0.1	0.0	0.2	0.0	0.5	0.5	0.7	0.1	0.5	0.0
Eu	-0.1	0.0	0.2	0.0	0.6	0.6	0.7	0.1	0.6	0.0
Gd	-0.1	0.0	0.2	0.1	0.5	0.6	0.7	0.1	0.6	0.0
Tb	-0.1	0.0	0.2	0.1	0.6	0.6	0.7	0.1	0.6	0.1
Dy	-0.1	0.0	0.2	0.1	0.6	0.6	0.7	0.1	0.6	0.0
Ho	-0.1	0.0	0.2	0.1	0.6	0.6	0.7	0.1	0.6	0.0
Er	-0.1	0.0	0.2	0.1	0.6	0.6	0.7	0.1	0.5	0.0
Tm	-0.1	0.0	0.2	0.1	0.6	0.6	0.7	0.1	0.5	0.1
Yb	-0.1	0.0	0.1	0.1	0.5	0.5	0.7	0.0	0.4	0.0
Lu	-0.1	0.0	0.1	0.0	0.5	0.5	0.7	0.1	0.4	0.1
Li	0.2	0.0	0.2	0.0	0.1	0.2	0.2	0.4	0.1	0.1
Be	0.0	0.0	0.2	0.0	0.4	0.4	0.3	0.2	0.2	0.1
Sc	0.0	-0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0
Mn	0.4	0.0	0.2	0.1	0.6	0.4	0.4	0.2	0.3	0.1
Rb	-0.1	0.0	0.4	-0.1	0.2	0.3	0.1	0.5	0.7	0.0
Sr	0.3	0.0	0.0	0.1	0.0	-0.1	0.0	0.0	-0.2	0.0
Cs	-0.1	0.0	0.4	-0.1	0.1	0.1	0.0	0.5	0.5	0.0
Ba	0.3	-0.1	0.4	0.0	0.6	0.6	0.5	0.4	0.4	0.0

Appendix 6: Sample depth and type.

Information on sample location (UTM Zone 16, NAD 83), soil type and depth are included on the attached CD.

Appendix 7: List of items on enclosed CD

1. Copy of this report
2. SGS Laboratories Certificate of Analyses for Report TO122704.PDF
3. SGS Laboratories Analyses Report TO122704.xls
4. Actlabs Certificate of Analyses for Report A12-08571.pdf
5. Actlabs Analyses Report A12-08571.xls
6. Correlation Coefficients for MMI datasets
7. Correlation Coefficients for Enzyme Leach datasets
8. Appendix 6A Sample location information and soil type for MMI survey
   Appendix 6B Sample location information and soil type for Enzyme Leach Survey

APPENDIX 1 MMI ANALYTICAL DATA AND CERTIFICATE

APPENDIX 2 ENZYME LEACH ANALYTICAL DATA AND CERTIFICATE

Quality Analysis ... *Innovative Technologies*

Date Submitted: 08-Aug-12
Invoice No.: A12-08571
Invoice Date: 04-Sep-12
Your Reference:

George Gale(NAMEX)
450 Bonner Ave
Winnipeg MB R2G 1C3
Canada

ATTN: George Gale

CERTIFICATE OF ANALYSIS

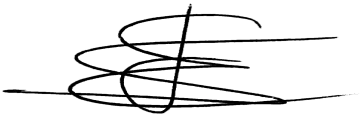
428 Soil samples were submitted for analysis.

The following analytical package was requested: Code 7-Enhanced Enzyme Leach Enzyme Leach ICP/MS(ENZYME)

REPORT **A12-08571**

Notes:

CERTIFIED BY :



Emmanuel Eseme , Ph.D.
Quality Control

ISO/IEC 17025
SCC Accredited
LAB 266
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Accrédité CCN

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Analyte Symbol	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni	Cu	Zn	Pb	Ga	Ge	Ag	Cd
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	1000	1	1	0.1	0.1	1	0.1	0.01	0.5	0.1	0.005	0.005	0.1	0.01	0.01	0.2	1	1	5	0.1	0.3	0.05	0.1	0.1
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
KEEZ-001	< 1000	119	18	148	59.8	2	5.2	1.19	< 0.5	0.6	< 0.005	0.044	< 0.1	6.49	0.12	7.3	24	70	22	7.9	4.0	0.31	< 0.1	< 0.1
KEEZ-002	14000	269	49	106	37.4	3	4.7	0.39	1.8	1.1	0.007	0.008	< 0.1	3.36	0.09	1.3	16	22	< 5	1.5	< 0.3	0.09	< 0.1	< 0.1
KEEZ-002A	9000	1030	93	218	51.9	5	17.3	0.83	< 0.5	0.5	0.065	0.030	< 0.1	3.72	0.24	6.4	32	10	7	1.4	0.5	0.26	< 0.1	0.1
KEEZ-003	< 1000	466	46	46.8	35.3	6	18.7	0.67	1.7	0.5	0.038	0.012	< 0.1	0.54	< 0.01	2.3	13	< 1	15	0.3	< 0.3	< 0.05	< 0.1	0.3
KEEZ-003A	132000	694	58	64.8	65.6	3	15.1	0.68	3.1	0.5	0.058	0.026	< 0.1	0.41	< 0.01	2.7	12	< 1	10	0.6	< 0.3	0.09	< 0.1	0.4
KEEZ-004	< 1000	88	20	63.0	83.1	2	8.6	0.56	< 0.5	0.3	0.039	0.069	0.1	0.29	< 0.01	1.6	9	< 1	7	< 0.1	< 0.3	< 0.05	< 0.1	0.1
KEEZ-004A	< 1000	196	46	45.6	64.8	4	33.9	0.91	6.3	0.5	0.052	0.010	< 0.1	0.21	< 0.01	2.2	12	< 1	10	< 0.1	< 0.3	< 0.05	< 0.1	0.5
KEEZ-005	20000	100	18	339	412	2	46.5	3.91	2.5	0.6	0.049	0.008	< 0.1	0.15	< 0.01	5.1	10	< 1	90	< 0.1	0.7	< 0.05	< 0.1	0.5
KEEZ-005A	3000	199	73	105	163	3	87.1	3.02	2.8	0.7	0.075	0.022	< 0.1	0.18	< 0.01	9.9	12	< 1	121	< 0.1	1.6	< 0.05	< 0.1	0.8
KEEZ-006	< 1000	160	46	24.9	122	2	22.0	1.67	< 0.5	0.6	0.058	0.011	< 0.1	0.19	< 0.01	2.7	6	< 1	44	< 0.1	< 0.3	< 0.05	< 0.1	0.4
KEEZ-006A	< 1000	264	131	25.2	110	4	32.8	1.02	2.0	0.8	0.124	0.012	0.2	0.14	< 0.01	4.3	9	< 1	42	< 0.1	0.3	< 0.05	< 0.1	0.7
KEEZ-007	16000	105	26	589	390	2	35.1	3.10	< 0.5	0.6	0.126	0.007	< 0.1	0.13	< 0.01	2.4	16	< 1	37	< 0.1	< 0.3	< 0.05	< 0.1	0.4
KEEZ-007A	< 1000	179	59	120	95.4	< 1	57.8	2.00	1.2	0.5	0.105	0.016	< 0.1	0.16	< 0.01	1.8	16	< 1	61	< 0.1	< 0.3	< 0.05	< 0.1	0.7
KEEZ-008	< 1000	151	60	143	92.0	2	70.2	3.61	< 0.5	0.8	0.121	0.013	< 0.1	0.13	1.81	1.1	10	2	16	< 0.1	< 0.3	0.05	< 0.1	0.4
KEEZ-008A	< 1000	304	208	80.0	72.3	4	57.5	1.59	3.1	1.4	0.115	0.008	0.2	0.18	1.05	2.6	19	5	75	0.8	< 0.3	< 0.05	< 0.1	1.0
KEEZ-009	< 1000	211	112	145	24.0	9	50.4	1.81	< 0.5	1.5	0.097	< 0.005	< 0.1	0.12	2.18	1.1	20	6	27	< 0.1	< 0.3	< 0.05	< 0.1	0.4
KEEZ-009A	4000	285	127	110	82.8	5	34.8	1.57	< 0.5	2.1	0.129	0.013	< 0.1	0.19	1.67	2.5	32	7	130	1.5	0.3	< 0.05	< 0.1	1.6
KEEZ-010	14000	321	159	146	39.7	9	98.9	1.10	< 0.5	1.9	0.255	< 0.005	< 0.1	0.16	2.01	2.5	11	1	59	< 0.1	< 0.3	< 0.05	< 0.1	1.0
KEEZ-010A	< 1000	178	45	22.8	57.9	5	59.3	1.07	0.8	0.6	0.052	< 0.005	< 0.1	0.11	0.08	1.6	10	2	111	< 0.1	< 0.3	< 0.05	< 0.1	1.6
KEEZ-011	19000	190	132	223	5.2	7	42.6	1.35	< 0.5	1.3	0.057	0.009	< 0.1	1.69	0.52	4.8	18	3	5	< 0.1	0.8	0.39	< 0.1	0.2
KEEZ-011A	< 1000	131	48	319	20.9	8	27.7	0.64	0.9	2.2	0.074	0.009	< 0.1	0.27	0.73	3.3	9	< 1	65	< 0.1	< 0.3	< 0.05	< 0.1	0.7
KEEZ-012	< 1000	162	94	116	8.5	8	30.3	0.69	< 0.5	2.0	0.035	< 0.005	< 0.1	0.90	0.40	3.8	11	2	< 5	< 0.1	< 0.3	0.22	< 0.1	0.2
KEEZ-013	< 1000	60	31	34.3	4.8	2	0.6	0.17	< 0.5	1.2	< 0.005	0.006	< 0.1	3.39	< 0.01	1.4	5	< 1	< 5	< 0.1	< 0.3	0.09	< 0.1	< 0.1
KEEZ-013A	3000	146	50	138	11.8	2	4.6	0.36	< 0.5	0.4	0.043	< 0.005	< 0.1	3.02	0.47	5.5	9	4	24	< 0.1	0.4	0.20	< 0.1	0.3
KEEZ-014	< 1000	34	10	< 0.1	1.7	< 1	< 0.1	0.16	< 0.5	0.2	0.005	< 0.005	< 0.1	1.20	< 0.01	7.0	11	< 1	22	< 0.1	0.5	< 0.05	< 0.1	1.0
KEEZ-014A	2000	41	24	57.3	15.0	3	26.0	3.08	< 0.5	2.3	0.067	0.007	< 0.1	2.91	< 0.01	3.5	10	< 1	53	12.5	1.2	0.98	< 0.1	3.1
KEEZ-015	< 1000	35	8	< 0.1	1.1	< 1	< 0.1	0.07	< 0.5	< 0.1	< 0.005	< 0.005	< 0.1	0.66	< 0.01	3.7	5	< 1	19	0.7	< 0.3	< 0.05	< 0.1	1.3
KEEZ-015A	< 1000	38	5	30.8	12.8	2	3.8	1.06	< 0.5	0.4	0.014	< 0.005	< 0.1	0.43	< 0.01	4.6	9	< 1	108	5.9	0.6	0.33	< 0.1	2.1
KEEZ-016	16000	63	2	3100	369	2	79.7	2.37	< 0.5	6.3	0.184	< 0.005	< 0.1	0.31	< 0.01	1.5	16	7	39	8.6	< 0.3	0.30	< 0.1	1.0
KEEZ-017A	4000	100	40	95.6	62.1	< 1	30.4	0.60	3.0	0.7	0.064	< 0.005	< 0.1	0.11	< 0.01	2.8	8	< 1	21	4.3	0.7	0.05	< 0.1	0.9
KEEZ-018	< 1000	47	15	62.2	8.0	< 1	14.3	0.42	< 0.5	0.7	0.018	0.030	< 0.1	0.17	< 0.01	8.1	24	< 1	17	0.8	< 0.3	0.09	< 0.1	0.4
KEEZ-019	< 1000	57	16	182	6.3	2	9.6	0.27	< 0.5	0.8	0.023	0.006	< 0.1	0.32	< 0.01	2.8	9	< 1	31	< 0.1	< 0.3	0.10	< 0.1	0.5
KEEZ-020	12000	65	38	507	14.4	1	19.0	0.24	< 0.5	0.4	0.029	< 0.005	< 0.1	0.14	< 0.01	1.8	3	< 1	14	< 0.1	< 0.3	< 0.05	< 0.1	0.3
KEEZ-021	< 1000	127	48	277	19.3	3	130	0.37	3.3	1.2	0.072	0.010	< 0.1	0.21	< 0.01	5.7	5	< 1	35	< 0.1	0.3	0.08	< 0.1	1.3
KEEZ-022	20000	65	29	1460	11.1	2	27.6	0.30	< 0.5	0.4	0.029	0.007	< 0.1	0.43	< 0.01	4.3	6	< 1	< 5	< 0.1	< 0.3	0.09	< 0.1	0.4
KEEZ-023	< 1000	58	21	949	9.9	1	50.8	0.32	< 0.5	0.2	0.008	< 0.005	< 0.1	0.15	< 0.01	2.0	2	< 1	11	< 0.1	< 0.3	< 0.05	< 0.1	0.4
KEEZ-024	< 1000	157	92	63.6	19.6	3	50.7	0.58	< 0.5	0.5	0.101	< 0.005	< 0.1	0.33	0.03	14.5	9	< 1	11	< 0.1	< 0.3	0.37	< 0.1	0.6
KEEZ-025A	< 1000	94	20	228	23.8	2	5.5	0.79	< 0.5	0.9	0.094	0.012	< 0.1	5.41	0.01	8.2	9	3	15	0.4	0.7	0.41	< 0.1	1.3
KEEZ-026A	< 1000	41	< 1	53.5	11.9	< 1	5.4	0.58	< 0.5	1.1	0.071	0.007	< 0.1	0.59	< 0.01	4.1	7	< 1	19	3.0	0.6	0.17	< 0.1	2.5
KEEZ-027A	27000	262	273	110	83.0	6	33.5	2.15	2.7	1.4	0.042	0.020	0.1	3.76	1.48	25.7	40	23	43	10.8	1.6	1.27	< 0.1	1.0
KEEZ-028A	18000	281	164	114	83.4	5	60.9	0.93	2.4	1.2	0.095	0.006	< 0.1	0.80	< 0.01	24.6	28	8	104	1.3	1.0	< 0.05	< 0.1	1.4
KEEZ-029	22000	229	80	262	22.9	5	18.5	1.46	< 0.5	1.2	0.163	0.014	< 0.1	0.35	0.75	5.4	15	9	46	< 0.1	0.3	0.35	< 0.1	0.5
KEEZ-030	3000	519	157	80.1	33.6	9	24.2	1.47	1.3	1.6	0.215	0.016	0.1	0.29	0.11	10.2	22	5	79	< 0.1	< 0.3	0.20	< 0.1	0.9
KEEZ-031	14000	114	47	272	53.9	6	92.1	2.91	< 0.5	0.6	0.075	0.007	< 0.1	0.28	< 0.01	19.4	21	6	76	< 0.1	< 0.3	< 0.05	< 0.1	0.8
KEEZ-032A	22000	34	9	68.4	17.7	< 1	13.1	0.65	< 0.5	1.0	0.051	< 0.005	< 0.1	1.51	< 0.01	41.3	30	< 1	156	1.1	0.4	0.25	< 0.1	11.0
KEEZ-033A	15000	69	34	89.5	20.1	3	5.7	1.94	< 0.5	2.9	0.127	< 0.005	0.4	1.51	< 0.01	8.0	12	1	229	12.5	1.3	1.33	< 0.1	5.6
KEEZ-034	26000	111	76	77.2	30.2	8	20.6	3.41	< 0.5	3.5	0.025	0.015	0.1	8.07	0.01	38.2	34	< 1	433	27.6	3.6	0.62	< 0.1	23.4
KEEZ-035A	24000	137	78	281	33.4	4	12.6	0.75	1.8	1.0	0.079	0.025	< 0.1	1.75	< 0.01	22.4	21	< 1	< 5	6.6	0.5	0.46	< 0.1	1.0
KEEZ-036	25000	165	118	451	35.6	3	34.2	1.02	0.6	1.2	0.091	0.010	0.2	0.89	< 0.01	34.6	16	< 1	62	0.4	1.2	0.40	< 0.1	1.4
KEEZ-037A	8000	63	63	81.9	21.8	3	7.4	1.02	< 0.5	1.8	0.117	0.005	0.2	6.39	< 0.01	39.7	34	< 1	110	1.1	1.9	0.43	< 0.1	6.0
KEEZ-039A	40000	94	119	87.6	24.1	6	19.0	1.10	< 0.5	2.1	0.094	0.021	0.2	8.55	< 0.01	16.1	23	< 1	179	6.2	2.3	0.81	< 0.1	5.6
KEEZ-040A	27000	59	29	231	40.2	4	7.7	1.00	0.7	1.8	0.036	0.008	0.2	0.99	< 0.01	21.3	31	< 1	155	3.0	0.7	1.21	< 0.1	5.6

Analyte Symbol	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni	Cu	Zn	Pb	Ga	Ge	Ag	Cd
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	1000	1	1	0.1	0.1	1	0.1	0.01	0.5	0.1	0.005	0.005	0.1	0.01	0.01	0.2	1	1	5	0.1	0.3	0.05	0.1	0.1
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
KEEZ-041	8000	90	41	347	223	3	8.3	0.25	< 0.5	0.7	0.059	0.012	< 0.1	2.42	< 0.01	6.7	15	< 1	29	< 0.1	0.4	0.12	< 0.1	1.2
KEEZ-042	9000	88	44	165	16.5	1	4.4	0.18	< 0.5	0.3	0.058	0.007	< 0.1	1.86	< 0.01	2.2	7	< 1	28	< 0.1	0.4	0.31	< 0.1	0.7
KEEZ-043A	17000	247	164	119	30.8	9	37.4	0.61	< 0.5	0.5	0.084	0.005	< 0.1	0.62	< 0.01	7.6	12	< 1	13	< 0.1	< 0.3	0.36	< 0.1	0.5
KEEZ-044	10000	63	49	227	5.4	6	14.9	2.54	< 0.5	0.3	0.043	< 0.005	< 0.1	0.93	< 0.01	1.7	22	5	9	< 0.1	< 0.3	3.67	< 0.1	0.8
KEEZ-044A	14000	85	65	833	12.3	5	27.8	0.63	< 0.5	0.4	0.131	< 0.005	< 0.1	0.36	< 0.01	13.7	29	7	36	< 0.1	< 0.3	0.90	< 0.1	0.7
KEEZ-045	9000	263	200	75.8	20.5	16	24.2	0.69	< 0.5	0.4	0.065	0.006	< 0.1	0.73	0.18	5.8	14	< 1	9	< 0.1	< 0.3	0.37	< 0.1	0.5
KEEZ-046	< 1000	89	56	704	7.4	6	44.0	1.71	< 0.5	0.5	0.057	0.012	< 0.1	0.65	< 0.01	3.8	9	< 1	97	< 0.1	< 0.3	< 0.05	< 0.1	1.1
KEEZ-047	< 1000	94	56	811	10.4	5	50.7	2.98	< 0.5	0.8	0.069	0.008	< 0.1	0.64	< 0.01	4.8	14	3	200	< 0.1	< 0.3	0.39	< 0.1	1.9
KEEZ-048	13000	177	136	89.7	9.4	16	69.1	0.93	< 0.5	1.0	0.087	0.013	< 0.1	0.47	0.31	2.5	13	< 1	8	< 0.1	< 0.3	1.14	< 0.1	0.8
KEEZ-049	6000	178	123	124	9.6	15	44.7	0.74	< 0.5	0.7	0.071	0.008	< 0.1	0.34	< 0.01	2.2	10	< 1	8	< 0.1	< 0.3	0.58	< 0.1	0.7
KEEZ-050	11000	159	102	183	8.3	9	24.2	1.02	< 0.5	0.7	0.105	< 0.005	< 0.1	0.50	0.42	1.5	9	< 1	5	< 0.1	< 0.3	3.52	< 0.1	0.5
KEEZ-051	< 1000	305	249	105	14.6	20	46.9	1.12	< 0.5	1.4	0.095	0.020	< 0.1	1.28	1.60	8.1	16	1	12	< 0.1	0.5	1.00	< 0.1	0.9
KEEZ-052	8000	257	201	101	10.0	12	21.7	0.92	< 0.5	1.2	0.068	0.017	< 0.1	2.08	2.45	2.0	18	< 1	15	< 0.1	< 0.3	0.54	< 0.1	0.6
KEEZ-053A	12000	199	137	159	11.3	5	11.9	0.62	< 0.5	0.3	0.029	< 0.005	< 0.1	2.54	0.98	4.8	12	< 1	17	< 0.1	< 0.3	0.37	< 0.1	0.6
KEEZ-054A	11000	211	85	93.4	10.5	3	9.1	0.51	< 0.5	0.5	0.053	0.011	< 0.1	1.67	< 0.01	4.2	14	< 1	< 5	< 0.1	< 0.3	0.75	< 0.1	0.6
KEEZ-055	8000	125	95	113	11.6	3	8.9	0.79	< 0.5	0.7	0.077	0.007	< 0.1	2.41	< 0.01	12.5	20	< 1	8	< 0.1	0.6	0.59	< 0.1	0.6
KEEZ-056	19000	112	69	144	11.6	4	13.2	0.67	< 0.5	0.9	0.064	< 0.005	< 0.1	3.90	< 0.01	13.6	29	< 1	25	< 0.1	0.8	1.06	< 0.1	1.1
KEEZ-057	13000	111	131	112	5.6	4	23.4	0.42	< 0.5	0.2	0.052	< 0.005	< 0.1	0.83	< 0.01	16.4	9	< 1	9	< 0.1	< 0.3	0.25	< 0.1	0.6
KEEZ-058	7000	153	129	361	9.8	7	32.8	0.87	< 0.5	0.5	0.069	0.006	< 0.1	0.33	< 0.01	2.7	7	< 1	20	< 0.1	< 0.3	0.88	< 0.1	0.6
KEEZ-059	8000	275	226	104	8.6	17	37.3	0.94	< 0.5	1.0	0.091	0.014	< 0.1	0.62	3.02	8.5	11	< 1	23	< 0.1	0.3	0.87	< 0.1	0.8
KEEZ-100A	8000	105	72	146	8.9	2	12.0	0.94	< 0.5	1.1	0.081	0.009	< 0.1	3.51	< 0.01	9.7	33	< 1	19	< 0.1	1.2	0.32	< 0.1	0.3
KEEZ-101	16000	93	52	108	12.5	2	6.2	0.61	< 0.5	0.7	0.109	< 0.005	< 0.1	5.34	< 0.01	8.2	7	< 1	71	< 0.1	< 0.3	0.15	< 0.1	1.5
KEEZ-102	6000	78	58	588	6.1	1	24.6	0.34	< 0.5	0.6	0.035	< 0.005	< 0.1	0.83	< 0.01	1.5	4	< 1	< 5	< 0.1	< 0.3	0.62	< 0.1	0.5
KEEZ-103	6000	119	82	1500	6.2	4	133	1.01	< 0.5	0.8	0.030	< 0.005	< 0.1	0.40	< 0.01	4.5	4	< 1	15	< 0.1	< 0.3	0.88	< 0.1	1.0
KEEZ-104	9000	113	118	413	10.6	5	37.9	0.77	< 0.5	0.8	0.039	< 0.005	< 0.1	0.51	< 0.01	2.9	4	< 1	17	< 0.1	< 0.3	0.47	< 0.1	0.7
KEEZ-105	< 1000	520	141	1130	41.7	26	96.3	1.53	4.0	1.9	0.121	0.009	0.3	3.18	0.53	15.3	14	4	47	6.3	1.1	0.43	< 0.1	1.5
KEEZ-106	15000	352	82	1380	22.9	22	86.6	2.24	2.4	0.9	0.112	< 0.005	0.5	1.69	0.43	4.5	9	< 1	53	1.7	0.6	2.57	< 0.1	1.2
KEEZ-107	9000	181	72	5080	15.0	16	125	0.47	1.5	0.2	0.074	< 0.005	0.3	1.02	< 0.01	1.9	6	< 1	49	< 0.1	< 0.3	0.12	< 0.1	1.1
KEEZ-108	< 1000	309	73	989	19.6	20	88.7	1.19	3.5	0.6	0.175	< 0.005	0.5	1.90	< 0.01	3.4	7	< 1	64	< 0.1	< 0.3	0.09	< 0.1	0.9
KEEZ-109	12000	136	42	732	11.0	7	91.6	0.29	< 0.5	0.1	0.057	< 0.005	0.8	0.87	< 0.01	1.9	2	< 1	43	< 0.1	< 0.3	< 0.05	< 0.1	0.8
KEEZ-110	< 1000	144	50	1240	8.2	8	141	0.67	0.8	0.3	0.048	< 0.005	1.1	0.72	< 0.01	1.9	4	< 1	37	< 0.1	< 0.3	0.69	< 0.1	0.8
KEEZ-111	9000	276	86	1030	31.5	10	221	0.50	1.1	0.6	0.045	< 0.005	0.8	1.00	< 0.01	9.0	9	< 1	32	< 0.1	0.4	< 0.05	5.1	1.9
KEEZ-112	5000	200	42	1340	16.8	4	103	1.01	< 0.5	0.2	0.144	< 0.005	0.4	1.24	< 0.01	1.5	6	< 1	59	1.3	< 0.3	< 0.05	< 0.1	0.6
KEEZ-113	14000	248	57	1120	52.4	10	139	7.66	1.9	0.2	0.188	< 0.005	0.7	0.71	< 0.01	5.3	4	< 1	80	< 0.1	< 0.3	0.62	< 0.1	1.3
KEEZ-114	16000	122	30	1940	14.1	3	359	0.90	< 0.5	0.6	0.097	0.008	0.6	0.95	< 0.01	6.9	10	< 1	34	< 0.1	< 0.3	< 0.05	< 0.1	1.4
KEEZ-115	27000	946	328	960	79.2	17	701	1.30	5.8	1.1	0.219	0.007	0.8	0.84	< 0.01	16.7	14	< 1	90	< 0.1	1.6	< 0.05	< 0.1	2.9
KEEZ-116	2000	356	136	809	41.0	16	392	0.92	1.3	0.4	0.076	< 0.005	0.9	0.71	< 0.01	4.7	8	< 1	21	< 0.1	0.6	0.10	< 0.1	1.4
KEEZ-117	34000	429	115	712	48.4	7	429	1.02	6.1	0.9	0.161	0.005	1.0	0.63	< 0.01	14.2	10	< 1	71	0.4	0.9	< 0.05	< 0.1	2.5
KEEZ-118	16000	342	91	730	19.9	6	309	0.99	1.4	0.6	0.162	< 0.005	0.4	0.88	< 0.01	5.9	6	< 1	44	< 0.1	0.4	0.06	< 0.1	1.5
KEEZ-119	18000	463	208	945	150	7	805	1.18	5.3	1.8	0.260	< 0.005	0.4	0.63	< 0.01	31.2	13	< 1	276	1.1	3.6	< 0.05	< 0.1	5.6
KEEZ-120	15000	214	167	144	45.4	7	69.6	0.60	4.2	0.5	0.034	0.028	0.2	2.83	0.33	4.6	6	< 1	105	3.0	1.9	< 0.05	1.7	1.6
KEEZ-121	17000	225	230	235	24.5	18	80.6	0.78	1.1	3.1	0.028	0.018	0.3	2.54	2.10	7.8	13	2	32	0.7	1.3	0.07	< 0.1	1.5
KEEZ-122	9000	84	70	312	14.6	7	15.2	0.36	2.5	0.5	0.029	0.016	0.1	0.99	< 0.01	3.4	5	< 1	< 5	< 0.1	< 0.3	< 0.05	< 0.1	0.6
KEEZ-123	13000	149	85	328	14.1	6	8.6	0.48	1.1	0.5	0.057	0.013	< 0.1	1.72	< 0.01	3.3	7	< 1	29	< 0.1	< 0.3	0.27	< 0.1	1.3
KEEZ-124	14000	143	94	286	18.3	4	5.3	0.80	1.1	0.6	0.072	0.009	< 0.1	7.62	0.02	9.4	11	2	39	3.4	0.7	0.36	< 0.1	1.3
KEEZ-125	13000	105	44	181	12.8	2	4.5	0.57	< 0.5	0.5	0.070	0.009	< 0.1	3.64	< 0.01	2.0	6	< 1	42	< 0.1	< 0.3	< 0.05	< 0.1	0.8
KEEZ-126	16000	234	110	1110	26.2	7	44.6	0.56	0.6	0.6	0.054	0.013	< 0.1	1.05	< 0.01	6.0	4	< 1	71	< 0.1	0.3	< 0.05	< 0.1	0.9
KEEZ-127	< 1000	112	64	476	7.3	4	16.6	0.85	< 0.5	1.0	0.041	< 0.005	< 0.1	2.06	< 0.01	6.1	6	< 1	96	< 0.1	< 0.3	0.42	< 0.1	0.7
KEEZ-128	9000	110	62	188	11.8	3	12.7	0.32	< 0.5	0.4	0.076	< 0.005	< 0.1	4.20	< 0.01	3.2	2	< 1	104	< 0.1	< 0.3	< 0.05	< 0.1	1.1
KEEZ-129	15000	75	45	2790	13.1	7	97.0	1.70	< 0.5	1.1	0.088	< 0.005	< 0.1	0.65	< 0.01	6.6	14	< 1	69	< 0.1	< 0.3	< 0.05	< 0.1	1.5
KEEZ-130	< 1000	79	42	2330	11.8	5	65.2	1.64	< 0.5	0.9	0.096	< 0.005	< 0.1	0.52	< 0.01	5.0	11	< 1	77	< 0.1	< 0.3	0.14	< 0.1	1.1
KEEZ-131	11000	157	128	156	5.5	6	16.6	0.77	< 0.5	0.3	0.053	0.009	< 0.1	0.80	0.38	2.2	9	< 1	28	< 0.1	< 0.3	0.84	< 0.1	0.5

Analyte Symbol	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni	Cu	Zn	Pb	Ga	Ge	Ag	Cd
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	1000	1	1	0.1	0.1	1	0.1	0.01	0.5	0.1	0.005	0.005	0.1	0.01	0.01	0.2	1	1	5	0.1	0.3	0.05	0.1	0.1
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
KEEZ-132A	21000	133	73	243	14.8	3	10.6	0.89	< 0.5	1.2	0.060	0.014	< 0.1	3.25	< 0.01	11.7	16	< 1	36	< 0.1	0.4	0.41	< 0.1	1.5
KEEZ-133	10000	173	115	2440	32.4	6	62.5	0.70	< 0.5	0.7	0.056	< 0.005	< 0.1	0.65	< 0.01	2.5	9	< 1	58	< 0.1	< 0.3	0.11	< 0.1	0.5
KEEZ-139	< 1000	189	165	242	112	4	10.0	1.01	< 0.5	0.3	0.111	0.010	< 0.1	0.63	< 0.01	15.6	10	< 1	66	< 0.1	1.7	0.31	< 0.1	0.4
KEEZ-140A	5000	189	248	238	10.6	5	3.0	0.77	< 0.5	0.5	0.059	0.010	0.2	3.54	0.46	23.7	29	10	159	2.1	6.6	0.39	< 0.1	2.4
KEEZ-141A	29000	99	105	209	31.7	14	18.8	3.08	< 0.5	1.9	0.137	< 0.005	< 0.1	1.88	< 0.01	35.9	33	4	126	7.9	3.1	1.08	< 0.1	3.8
KEEZ-142A	67000	114	69	79.3	17.1	6	7.0	3.49	< 0.5	1.8	0.078	< 0.005	< 0.1	4.22	< 0.01	7.9	11	< 1	86	10.9	1.5	1.07	< 0.1	3.5
KEEZ-143A	19000	147	128	132	17.3	11	14.9	2.47	< 0.5	1.8	0.124	< 0.005	0.2	5.62	< 0.01	13.1	26	16	444	8.6	2.9	0.58	< 0.1	4.7
KEEZ-144A	19000	121	96	1020	24.2	11	25.6	1.16	< 0.5	1.0	0.063	< 0.005	< 0.1	0.81	< 0.01	4.9	9	< 1	17	2.4	0.9	0.08	< 0.1	0.4
KEEZ-145	22000	121	126	463	15.1	8	17.6	0.66	0.7	0.8	0.060	< 0.005	< 0.1	0.55	< 0.01	2.3	7	< 1	46	0.1	< 0.3	0.38	< 0.1	0.5
KEEZ-146	15000	289	155	1240	16.8	20	30.0	0.96	< 0.5	0.7	0.113	< 0.005	< 0.1	0.59	< 0.01	4.0	7	< 1	92	0.8	0.4	0.16	< 0.1	0.9
KEEZ-147	10000	134	98	1270	12.4	14	62.8	0.87	< 0.5	0.4	0.089	< 0.005	< 0.1	0.50	< 0.01	2.1	7	< 1	30	< 0.1	< 0.3	< 0.05	< 0.1	0.7
KEEZ-148	20000	351	237	303	44.0	8	27.4	1.30	1.2	1.0	0.079	0.012	0.3	0.83	< 0.01	8.3	16	3	91	2.4	0.4	< 0.05	< 0.1	1.1
KEEZ-149	9000	211	90	1180	20.1	9	22.1	0.75	< 0.5	0.3	0.043	< 0.005	< 0.1	0.37	< 0.01	2.3	5	< 1	36	0.4	< 0.3	< 0.05	< 0.1	0.4
KEEZ-150	19000	101	52	102	14.3	5	35.9	0.72	< 0.5	0.4	0.058	0.006	< 0.1	0.66	< 0.01	2.5	3	< 1	102	0.5	< 0.3	< 0.05	< 0.1	0.7
KEEZ-150-1	5000	105	62	663	7.0	10	39.3	0.43	< 0.5	0.5	0.051	0.006	< 0.1	0.34	< 0.01	1.2	6	< 1	46	< 0.1	< 0.3	< 0.05	< 0.1	0.5
KEEZ-151	18000	203	100	1010	16.1	12	33.7	0.67	< 0.5	0.8	0.064	< 0.005	0.1	0.57	< 0.01	3.0	6	< 1	63	< 0.1	< 0.3	< 0.05	< 0.1	0.9
KEEZ-152	11000	168	101	834	9.1	10	20.4	0.76	< 0.5	0.4	0.043	< 0.005	< 0.1	0.61	< 0.01	2.5	6	< 1	26	< 0.1	< 0.3	0.08	< 0.1	0.6
KEEZ-153	5000	326	206	178	13.3	12	30.7	0.94	< 0.5	2.0	0.066	0.012	< 0.1	0.84	< 0.01	8.2	7	< 1	35	< 0.1	0.5	1.53	< 0.1	0.8
PEN-001	23000	78	24	270	24.5	9	17.1	2.01	< 0.5	1.4	0.023	0.007	< 0.1	3.54	1.47	41.1	43	4	95	13.0	1.3	1.84	< 0.1	2.4
PEN-002	4000	74	97	37.6	7.3	3	< 0.1	0.17	< 0.5	0.1	< 0.005	0.009	< 0.1	6.28	0.36	15.4	27	10	88	3.0	2.5	0.17	< 0.1	1.5
PEN-002A	24000	76	50	64.3	37.1	3	5.4	1.67	< 0.5	1.6	0.040	< 0.005	< 0.1	3.20	< 0.01	13.3	21	< 1	215	15.7	1.6	0.46	< 0.1	6.7
PEN-002B	7000	79	88	11.4	1.7	2	< 0.1	0.03	< 0.5	< 0.1	0.005	< 0.005	< 0.1	3.60	0.17	28.0	26	18	106	1.8	< 0.3	< 0.05	< 0.1	1.1
PEN-003	37000	288	223	108	39.9	6	4.8	2.10	< 0.5	0.8	0.050	0.015	< 0.1	17.7	0.94	30.1	66	63	155	25.9	7.9	0.84	< 0.1	6.7
PEN-004	7000	74	47	140	10.2	9	4.4	0.87	< 0.5	0.9	0.035	0.009	< 0.1	2.90	0.08	12.6	43	< 1	41	2.0	2.2	0.30	< 0.1	0.7
PEN-005	6000	61	28	35.1	7.4	3	0.9	0.17	< 0.5	< 0.1	< 0.005	< 0.005	< 0.1	1.12	< 0.01	11.7	21	6	81	2.5	1.2	0.15	< 0.1	1.9
PEN-005A	62000	271	99	130	61.5	12	27.6	2.99	1.7	3.7	0.076	< 0.005	1.4	12.6	< 0.01	157	146	79	998	51.2	13.5	1.38	< 0.1	17.4
PEN-006	79000	236	103	61.0	34.3	9	12.2	2.00	< 0.5	2.1	0.110	0.013	0.3	26.8	< 0.01	25.4	33	24	216	31.9	6.8	0.73	< 0.1	6.3
PEN-007	< 1000	64	81	60.5	4.8	4	< 0.1	0.21	< 0.5	0.4	< 0.005	< 0.005	< 0.1	16.6	1.51	22.7	59	41	82	4.5	8.8	0.68	< 0.1	0.3
PEN-007A	33000	147	124	85.2	27.3	8	10.1	1.33	< 0.5	1.2	0.039	0.012	0.2	19.9	1.03	61.1	67	48	160	21.1	7.1	1.26	< 0.1	3.0
PEN-008	16000	631	356	182	7.9	24	35.8	1.61	0.5	0.9	0.283	0.013	0.2	3.79	2.44	71.2	48	66	79	3.0	3.5	1.20	< 0.1	0.8
PEN-009	1000	38	32	20.0	4.5	4	1.8	0.20	< 0.5	0.2	0.023	< 0.005	< 0.1	0.85	< 0.01	7.3	23	6	68	< 0.1	1.9	< 0.05	< 0.1	1.1
PEN-009A	54000	117	61	85.2	16.8	8	10.8	1.41	< 0.5	1.9	0.128	< 0.005	< 0.1	3.07	< 0.01	34.2	51	< 1	260	17.3	3.0	0.69	< 0.1	7.0
PEN-010A	21000	114	63	65.9	14.8	9	7.0	1.78	< 0.5	0.8	0.193	0.014	< 0.1	2.38	< 0.01	58.2	71	1	371	9.6	4.6	1.72	< 0.1	8.6
PEN-011A	49000	110	32	90.1	20.4	8	20.0	1.90	< 0.5	2.5	0.039	< 0.005	0.2	9.21	< 0.01	38.0	32	5	651	31.2	6.2	1.18	< 0.1	8.7
PEN-012	< 1000	120	33	19.1	5.6	5	< 0.1	0.31	< 0.5	< 0.1	0.013	< 0.005	< 0.1	8.51	1.30	20.9	23	30	84	< 0.1	1.7	0.15	< 0.1	0.5
PEN-013	< 1000	67	34	23.2	4.5	3	5.1	0.37	< 0.5	0.2	0.007	< 0.005	< 0.1	3.37	1.25	36.5	12	7	38	< 0.1	0.8	0.14	< 0.1	0.4
PEN-13A	12000	114	48	42.0	12.1	6	11.3	1.09	< 0.5	0.5	0.020	0.008	< 0.1	4.72	1.32	77.8	25	17	63	3.0	1.2	0.74	< 0.1	1.2
PEN-014	8000	88	26	148	10.2	2	9.8	0.23	< 0.5	0.2	0.072	< 0.005	< 0.1	1.85	< 0.01	2.7	4	4	22	< 0.1	0.5	< 0.05	< 0.1	1.7
PEN-015	20000	90	35	571	11.7	7	39.7	0.84	0.8	2.0	0.085	< 0.005	< 0.1	1.01	< 0.01	3.3	8	2	21	< 0.1	0.3	< 0.05	< 0.1	0.5
PEN-016	8000	80	18	1500	37.1	6	74.5	5.02	< 0.5	1.5	0.113	0.006	< 0.1	1.98	< 0.01	16.4	23	16	78	< 0.1	0.7	0.40	< 0.1	2.0
PEN-017	18000	67	11	1380	62.1	8	79.5	6.05	< 0.5	1.4	0.093	0.005	< 0.1	0.73	< 0.01	11.0	18	10	44	< 0.1	0.6	0.22	< 0.1	1.3
PEN-018	13000	62	14	1010	59.0	1	45.9	5.02	< 0.5	1.6	0.047	< 0.005	< 0.1	1.33	< 0.01	35.2	27	6	91	< 0.1	1.3	1.17	< 0.1	1.3
PEN-019	2000	127	42	194	52.8	2	13.6	1.07	< 0.5	0.7	0.048	< 0.005	< 0.1	0.74	< 0.01	5.6	19	3	33	< 0.1	0.5	0.44	< 0.1	0.5
PEN-020	2000	90	22	166	29.0	3	12.0	2.18	< 0.5	0.7	0.067	< 0.005	< 0.1	0.09	< 0.01	6.1	10	< 1	165	< 0.1	< 0.3	< 0.05	< 0.1	1.7
PEN-021	4000	102	42	149	29.3	4	26.6	1.93	< 0.5	0.4	0.083	0.007	< 0.1	0.24	< 0.01	30.2	15	< 1	181	< 0.1	0.6	< 0.05	< 0.1	0.9
PEN-022	3000	110	67	448	19.9	2	85.9	6.95	< 0.5	0.5	0.205	< 0.005	< 0.1	0.92	< 0.01	10.7	15	11	21	< 0.1	0.3	0.52	< 0.1	0.9
PEN-023	< 1000	47	26	26.6	4.8	< 1	< 0.1	0.17	< 0.5	< 0.1	0.028	< 0.005	< 0.1	1.41	0.32	6.1	13	5	32	< 0.1	1.0	< 0.05	< 0.1	0.9
PEN-023A	46000	141	17	46.9	17.5	4	32.3	3.27	< 0.5	1.9	0.094	< 0.005	0.3	6.47	< 0.01	53.4	66	25	397	2.2	3.2	0.37	< 0.1	9.5
PEN-023B	< 1000	37	20	18.7	3.5	< 1	< 0.1	0.10	< 0.5	< 0.1	0.021	< 0.005	< 0.1	1.12	0.15	4.4	11	3	30	< 0.1	0.7	< 0.05	< 0.1	0.7
PEN-024	6000	85	22	60.4	26.4	4	10.3	1.09	< 0.5	0.6	0.045	< 0.005	0.3	4.01	< 0.01	6.1	17	5	119	4.4	1.4	0.37	< 0.1	5.0
PEN-025	6000	34	12	25.2	3.2	< 1	1.9	0.06	< 0.5	0.8	0.019	< 0.005	< 0.1	0.54	< 0.01	4.9	19	6	36	< 0.1	0.7	< 0.05	< 0.1	0.8
PEN-25A	50000	161	33	62.6	29.2	7	22.3	3.57	< 0.5	3.1	0.064	< 0.005	0.3	8.33	< 0.01	37.6	47	28	337	5.0	2.6	0.58	< 0.1	6.8

Analyte Symbol	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni	Cu	Zn	Pb	Ga	Ge	Ag	Cd
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	1000	1	1	0.1	0.1	1	0.1	0.01	0.5	0.1	0.005	0.005	0.1	0.01	0.01	0.2	1	1	5	0.1	0.3	0.05	0.1	0.1
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
PEN-026	49000	86	13	50.2	16.5	< 1	10.1	3.34	< 0.5	1.7	0.079	< 0.005	0.1	1.34	< 0.01	6.8	19	5	205	15.7	1.6	0.27	< 0.1	5.3
PEN-027	< 1000	43	13	45.2	7.8	< 1	0.2	0.14	< 0.5	< 0.1	0.014	< 0.005	< 0.1	0.48	< 0.01	6.7	12	1	55	< 0.1	1.6	< 0.05	< 0.1	1.6
PEN-027A	38000	107	21	48.8	28.6	3	15.4	3.65	< 0.5	2.5	0.061	< 0.005	0.1	2.05	< 0.01	10.1	14	4	540	15.2	2.9	0.40	< 0.1	6.0
PEN-28A	33000	107	21	52.4	18.3	7	20.3	3.04	< 0.5	1.9	0.071	0.026	0.4	3.45	< 0.01	21.8	23	4	634	19.2	3.5	0.86	< 0.1	9.4
PEN-029	< 1000	37	26	66.8	11.2	2	0.9	0.59	< 0.5	0.4	0.008	< 0.005	< 0.1	28.6	1.99	29.4	30	22	34	6.7	4.4	0.49	0.3	0.6
PEN-030	27000	109	26	134	18.9	5	22.4	2.49	< 0.5	1.2	0.079	< 0.005	0.1	6.50	0.19	18.4	20	6	112	0.7	1.4	0.15	< 0.1	2.6
PEN-031-1	20000	56	9	158	28.3	< 1	11.1	3.09	< 0.5	1.3	0.098	< 0.005	< 0.1	7.00	< 0.01	5.7	9	< 1	213	2.8	1.2	0.23	< 0.1	6.7
PEN-031-2	7000	52	23	183	17.2	2	10.0	0.58	< 0.5	0.4	0.038	< 0.005	< 0.1	1.48	< 0.01	4.4	7	< 1	15	< 0.1	0.5	0.23	< 0.1	0.6
PEN-032	16000	57	18	229	9.4	1	36.3	2.49	< 0.5	2.2	0.033	< 0.005	< 0.1	4.00	< 0.01	18.1	35	2	77	< 0.1	1.3	0.46	< 0.1	1.0
PEN-033	< 1000	84	28	8.7	3.8	< 1	< 0.1	0.73	< 0.5	< 0.1	0.011	< 0.005	< 0.1	3.48	0.38	6.4	14	< 1	723	< 0.1	0.6	< 0.05	< 0.1	1.5
PEN-034	< 1000	27	16	16.8	6.3	< 1	< 0.1	0.19	< 0.5	< 0.1	0.009	< 0.005	< 0.1	2.90	0.26	12.2	11	58	56	10.3	1.0	0.06	< 0.1	2.2
PEN-035	4000	65	39	34.9	7.2	3	3.5	0.35	< 0.5	0.8	0.020	< 0.005	< 0.1	5.15	0.40	3.1	10	35	< 5	13.5	0.8	0.21	< 0.1	0.2
PEN-036	16000	38	13	67.0	8.1	< 1	8.4	2.84	< 0.5	0.8	0.025	< 0.005	< 0.1	1.95	< 0.01	5.2	7	5	297	8.5	0.6	0.21	< 0.1	1.3
PEN-037	18000	58	10	33.8	12.0	1	4.2	3.15	< 0.5	1.2	0.067	< 0.005	< 0.1	2.06	< 0.01	3.0	5	2	206	4.0	0.8	0.14	< 0.1	1.7
PEN-038	35000	80	9	70.0	18.2	1	6.8	3.85	< 0.5	1.5	0.160	< 0.005	< 0.1	2.41	< 0.01	5.6	7	4	315	3.9	1.2	0.24	< 0.1	3.7
PEN-039	21000	89	14	143	6.5	12	44.7	2.70	< 0.5	0.2	0.079	< 0.005	< 0.1	0.57	< 0.01	4.0	7	4	83	< 0.1	0.4	< 0.05	< 0.1	0.5
PEN-040A	< 1000	64	16	6.9	4.5	< 1	< 0.1	0.06	< 0.5	< 0.1	0.010	< 0.005	< 0.1	1.19	0.03	21.8	16	< 1	77	< 0.1	0.4	< 0.05	< 0.1	1.9
PEN-041A	< 1000	8	5	22.5	9.6	< 1	< 0.1	0.04	< 0.5	< 0.1	< 0.005	< 0.005	< 0.1	1.20	< 0.01	9.7	11	2	41	< 0.1	0.6	< 0.05	< 0.1	1.8
PEN-042	< 1000	43	25	10.5	2.7	< 1	< 0.1	0.19	< 0.5	< 0.1	0.007	< 0.005	< 0.1	1.82	0.22	8.9	16	7	112	< 0.1	1.4	0.05	< 0.1	1.6
PEN-043A	< 1000	35	13	31.7	5.7	< 1	0.4	0.21	< 0.5	0.2	0.012	< 0.005	< 0.1	1.31	0.05	5.2	12	4	74	< 0.1	1.7	0.09	< 0.1	3.5
PEN-044	< 1000	56	26	11.5	4.5	< 1	< 0.1	0.28	< 0.5	< 0.1	0.006	< 0.005	< 0.1	4.25	0.56	13.2	26	< 1	78	< 0.1	1.1	0.07	< 0.1	3.3
PEN-045	< 1000	74	26	16.4	9.9	1	< 0.1	0.32	< 0.5	< 0.1	0.025	< 0.005	< 0.1	1.27	0.17	6.8	14	10	119	0.9	1.3	0.08	< 0.1	2.0
PEN-046	< 1000	37	17	26.0	4.6	1	< 0.1	0.13	< 0.5	< 0.1	0.014	< 0.005	< 0.1	0.91	< 0.01	5.3	11	< 1	56	< 0.1	1.1	< 0.05	< 0.1	1.4
PEN-047	< 1000	61	19	14.9	3.5	1	< 0.1	0.11	< 0.5	< 0.1	0.007	< 0.005	< 0.1	1.18	0.04	7.3	14	5	79	< 0.1	1.3	< 0.05	< 0.1	1.5
PEN-048B	< 1000	36	8	3.6	1.0	< 1	< 0.1	0.06	< 0.5	< 0.1	< 0.005	< 0.005	< 0.1	2.47	0.30	6.9	25	< 1	28	0.8	< 0.3	< 0.05	< 0.1	0.7
PEN-048	3000	41	7	1.3	1.2	< 1	0.8	0.04	< 0.5	0.4	0.009	< 0.005	< 0.1	1.08	0.16	10.7	33	< 1	37	< 0.1	< 0.3	< 0.05	< 0.1	1.3
PEN-049	< 1000	72	17	19.8	5.1	2	< 0.1	0.19	< 0.5	< 0.1	0.014	< 0.005	< 0.1	0.66	< 0.01	7.1	22	8	80	< 0.1	1.7	< 0.05	< 0.1	2.5
PEN-050	< 1000	61	20	32.1	5.5	1	< 0.1	0.26	< 0.5	< 0.1	0.016	< 0.005	< 0.1	3.07	0.36	13.2	25	12	98	1.4	2.5	0.12	< 0.1	2.1
PEN-051	3000	91	33	34.7	4.7	5	< 0.1	0.23	< 0.5	0.1	0.019	< 0.005	< 0.1	4.17	0.10	12.5	27	< 1	112	< 0.1	1.5	0.10	< 0.1	1.6
PEN-052	< 1000	65	28	40.4	5.9	4	< 0.1	0.18	< 0.5	0.1	0.017	0.009	< 0.1	4.97	< 0.01	6.3	22	1	96	0.2	1.7	< 0.05	< 0.1	2.2
PEN-053	3000	81	25	40.8	5.3	1	0.2	0.12	< 0.5	< 0.1	0.011	< 0.005	< 0.1	2.83	< 0.01	7.1	20	< 1	102	< 0.1	1.5	0.07	< 0.1	3.5
PEN-054	3000	83	35	38.4	7.8	5	< 0.1	0.22	< 0.5	0.1	0.011	< 0.005	< 0.1	5.07	0.21	10.9	23	6	169	0.3	2.0	0.26	< 0.1	4.7
PEN-055	2000	63	30	86.1	9.8	2	1.1	0.17	< 0.5	0.2	< 0.005	0.009	< 0.1	4.89	< 0.01	7.9	26	11	140	2.1	2.6	0.18	< 0.1	1.4
PEN-056	2000	103	54	7.8	4.9	3	< 0.1	0.20	< 0.5	< 0.1	0.022	0.006	< 0.1	17.7	0.64	24.0	20	11	141	< 0.1	0.6	0.08	< 0.1	1.7
PEN-057	< 1000	67	39	9.6	4.9	3	< 0.1	0.27	< 0.5	< 0.1	0.018	< 0.005	< 0.1	9.98	0.41	15.3	19	9	94	< 0.1	1.0	0.09	< 0.1	1.3
PEN-058	4000	78	49	32.0	7.9	6	0.3	0.25	< 0.5	0.4	0.014	0.007	< 0.1	28.2	0.94	62.8	32	12	179	3.1	1.8	0.30	0.1	2.7
PEN-059	57000	175	26	495	38.7	7	39.1	3.77	0.9	1.5	0.094	0.009	< 0.1	29.0	< 0.01	16.9	26	51	438	4.0	1.9	0.07	< 0.1	5.9
PEN-060	27000	163	48	959	72.6	13	34.0	7.09	0.7	0.6	0.052	0.009	< 0.1	3.12	< 0.01	6.5	16	6	120	< 0.1	0.6	< 0.05	< 0.1	0.7
PEN-061	41000	334	27	317	101	11	18.5	2.82	< 0.5	1.2	0.121	0.010	< 0.1	2.99	< 0.01	12.4	17	< 1	185	< 0.1	1.0	0.09	< 0.1	1.8
PEN-062	36000	281	48	477	68.3	11	17.1	3.78	< 0.5	0.9	0.063	0.012	< 0.1	3.03	< 0.01	9.7	9	< 1	214	< 0.1	0.5	< 0.05	< 0.1	0.5
PEN-063	9000	151	26	365	34.0	9	22.9	1.24	0.6	1.4	0.059	0.018	< 0.1	3.29	< 0.01	21.5	26	< 1	158	< 0.1	1.5	0.26	< 0.1	2.3
L-1	11000	150	18	1060	152	18	41.4	1.83	< 0.5	0.9	0.084	0.016	< 0.1	3.58	< 0.01	22.0	21	< 1	260	< 0.1	2.2	0.23	< 0.1	3.0
L-2	4000	113	14	443	115	7	14.1	1.30	< 0.5	1.2	0.076	0.006	< 0.1	5.23	< 0.01	11.5	11	< 1	178	< 0.1	0.6	0.24	< 0.1	2.2
L-3	7000	139	15	313	53.6	6	4.2	0.61	< 0.5	0.9	0.104	0.010	< 0.1	2.38	< 0.01	8.0	10	< 1	218	< 0.1	0.5	< 0.05	< 0.1	1.7
L-4	11000	104	12	454	56.3	4	4.8	1.25	< 0.5	1.5	0.061	0.010	< 0.1	4.21	< 0.01	7.7	12	< 1	181	< 0.1	0.3	0.21	< 0.1	2.8
L-5	29000	47	10	461	22.3	6	2.7	1.92	< 0.5	0.6	0.031	0.011	< 0.1	1.38	< 0.01	7.0	7	< 1	167	< 0.1	0.3	0.17	< 0.1	1.3
L-6	20000	101	10	187	29.0	7	8.3	0.85	< 0.5	0.9	0.071	0.010	< 0.1	6.84	< 0.01	6.3	10	< 1	295	< 0.1	0.5	< 0.05	< 0.1	1.4
L-7	36000	134	11	502	104	8	24.4	0.84	0.6	1.4	0.098	0.011	< 0.1	4.30	< 0.01	14.9	12	< 1	219	< 0.1	0.6	< 0.05	< 0.1	2.2
L-8	11000	85	11	179	34.4	4	13.9	1.12	< 0.5	1.9	0.059	0.008	0.1	7.30	< 0.01	8.3	13	< 1	278	< 0.1	0.8	0.21	< 0.1	3.0
L-9	4000	75	9	454	48.6	4	11.1	0.68	< 0.5	0.9	0.092	0.017	< 0.1	3.14	< 0.01	5.4	10	< 1	211	< 0.1	0.4	0.09	< 0.1	1.7
L-10	29000	258	38	149	347	9	17.1	1.57	1.0	1.2	0.062	0.008	< 0.1	7.30	< 0.01	7.8	16	< 1	280	< 0.1	1.1	0.21	< 0.1	1.1
L-11	12000	70	15	1700	121	10	15.8	0.71	< 0.5	0.7	0.094	0.019	< 0.1	2.96	< 0.01	10.8	14	< 1	67	< 0.1	1.3	0.31	< 0.1	0.9

Analyte Symbol	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni	Cu	Zn	Pb	Ga	Ge	Ag	Cd
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	1000	1	1	0.1	0.1	1	0.1	0.01	0.5	0.1	0.005	0.005	0.1	0.01	0.01	0.2	1	1	5	0.1	0.3	0.05	0.1	0.1
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
L-12	9000	91	13	403	340	8	11.6	1.62	0.7	0.8	0.158	0.013	< 0.1	1.40	< 0.01	11.9	10	< 1	174	< 0.1	0.5	0.05	< 0.1	0.9
L-13	9000	67	18	420	55.0	11	10.2	0.51	< 0.5	0.3	0.095	0.010	< 0.1	1.28	< 0.01	4.4	3	< 1	73	< 0.1	< 0.3	< 0.05	< 0.1	0.5
L-14	22000	145	57	300	167	11	23.7	1.07	< 0.5	0.5	0.079	0.023	< 0.1	2.54	< 0.01	11.2	6	< 1	247	< 0.1	0.5	< 0.05	< 0.1	0.9
L-15	16000	382	90	1900	47.5	17	37.3	1.21	< 0.5	0.8	0.109	0.016	< 0.1	2.12	0.99	5.5	12	< 1	57	< 0.1	0.6	0.21	< 0.1	0.6
L-16	8000	116	50	141	28.8	2	2.1	1.24	< 0.5	2.8	0.010	0.040	< 0.1	21.7	< 0.01	8.7	18	94	43	< 0.1	0.8	0.26	< 0.1	0.2
L-17	18000	121	19	277	50.6	7	21.8	1.32	< 0.5	1.5	0.058	0.007	< 0.1	12.7	< 0.01	13.8	17	2	342	< 0.1	0.6	0.37	< 0.1	1.5
L-18	9000	66	11	295	39.9	1	10.4	0.94	< 0.5	1.2	0.038	0.009	< 0.1	4.76	< 0.01	9.9	13	< 1	304	< 0.1	0.6	0.26	< 0.1	2.6
L-19	7000	66	8	153	21.3	3	7.9	1.06	< 0.5	1.0	0.051	0.018	< 0.1	4.67	< 0.01	7.2	10	< 1	247	< 0.1	0.5	0.17	< 0.1	2.6
L-20	6000	45	8	351	20.2	4	8.9	0.90	< 0.5	0.9	0.033	< 0.005	< 0.1	5.42	< 0.01	7.6	9	< 1	134	< 0.1	0.5	0.18	< 0.1	1.6
L-21	6000	52	8	211	16.4	4	10.9	0.90	< 0.5	1.0	0.045	< 0.005	< 0.1	3.75	< 0.01	8.6	17	< 1	176	< 0.1	0.5	0.22	< 0.1	2.6
L-22	5000	69	14	206	25.8	4	14.6	1.68	< 0.5	1.5	0.076	0.010	< 0.1	6.04	< 0.01	9.7	29	< 1	783	< 0.1	4.3	0.17	< 0.1	3.1
L-23	4000	72	21	68.8	23.8	3	17.5	1.52	< 0.5	1.6	0.077	< 0.005	< 0.1	5.48	< 0.01	11.2	21	< 1	474	< 0.1	0.7	0.26	< 0.1	5.0
L-24	38000	102	16	181	55.6	4	11.4	5.71	< 0.5	2.1	0.082	< 0.005	< 0.1	23.8	< 0.01	13.1	17	1	635	0.8	0.4	0.83	< 0.1	14.0
L-25	35000	93	18	201	39.6	7	19.8	4.77	< 0.5	3.9	0.093	0.009	< 0.1	9.94	< 0.01	15.2	21	< 1	1010	0.7	1.0	0.64	< 0.1	5.7
L-26	46000	75	19	100	63.1	5	25.2	6.21	< 0.5	7.4	0.038	0.012	< 0.1	10.5	< 0.01	15.2	27	4	1570	10.4	2.3	0.51	< 0.1	10.0
L-27	9000	50	9	287	25.7	4	9.9	1.13	< 0.5	1.1	0.034	0.009	1.1	5.84	< 0.01	7.7	12	< 1	262	< 0.1	< 0.3	0.23	< 0.1	2.4
L-28	28000	66	12	246	31.9	3	6.4	3.47	< 0.5	1.0	0.048	0.011	< 0.1	3.96	< 0.01	8.3	10	< 1	287	< 0.1	0.6	0.33	< 0.1	2.0
L-29	30000	74	12	226	25.0	2	6.4	3.02	< 0.5	1.5	0.020	< 0.005	< 0.1	2.55	< 0.01	8.6	14	< 1	282	< 0.1	0.3	0.14	< 0.1	2.2
L-30	26000	44	8	221	18.5	3	4.5	2.47	< 0.5	0.9	0.022	0.010	< 0.1	2.61	< 0.01	6.7	8	< 1	196	< 0.1	0.6	0.20	< 0.1	1.9
L-31	35000	97	13	164	47.0	5	11.2	3.87	< 0.5	1.7	0.075	0.007	0.2	5.51	< 0.01	14.4	16	< 1	604	1.5	0.8	0.25	< 0.1	10.9
L-32	26000	39	9	492	104	3	5.5	1.82	< 0.5	0.9	0.053	< 0.005	< 0.1	3.03	< 0.01	7.2	7	< 1	202	< 0.1	0.4	0.19	< 0.1	1.1
L-33	32000	95	13	147	85.1	5	14.6	3.39	< 0.5	1.9	0.032	0.013	< 0.1	3.49	< 0.01	14.4	12	< 1	533	1.7	1.1	0.36	< 0.1	9.1
L-34	17000	62	13	256	74.9	3	13.8	2.24	< 0.5	1.0	0.012	< 0.005	< 0.1	4.42	< 0.01	4.7	27	< 1	239	0.3	0.7	0.14	< 0.1	1.3
L-35	24000	50	12	338	171	4	22.1	1.75	< 0.5	1.4	0.013	0.007	< 0.1	5.02	< 0.01	5.9	29	< 1	81	< 0.1	0.9	0.14	< 0.1	0.6
L-36	15000	53	10	267	122	3	26.9	1.87	< 0.5	0.8	0.032	< 0.005	< 0.1	2.83	< 0.01	5.5	24	< 1	215	< 0.1	< 0.3	0.14	< 0.1	1.3
L-37	25000	78	17	1220	72.7	5	63.3	5.16	< 0.5	2.1	0.050	< 0.005	< 0.1	3.36	< 0.01	47.3	39	< 1	275	< 0.1	1.3	1.28	< 0.1	1.7
L-38	21000	86	30	575	10.6	7	23.0	2.99	< 0.5	0.2	0.028	0.006	< 0.1	1.60	< 0.01	5.1	27	3	56	< 0.1	< 0.3	0.47	< 0.1	0.6
L-39	12000	85	66	25.1	9.6	3	1.0	1.61	< 0.5	< 0.1	< 0.005	0.007	< 0.1	11.3	< 0.01	6.1	26	4	13	< 0.1	< 0.3	< 0.05	< 0.1	0.4
L-40	16000	160	82	26.1	5.6	3	0.2	1.77	< 0.5	< 0.1	< 0.005	< 0.005	< 0.1	9.11	< 0.01	3.9	23	3	28	< 0.1	< 0.3	0.08	< 0.1	0.2
L-41	21000	138	93	150	17.9	4	5.8	2.76	< 0.5	0.7	0.037	0.006	< 0.1	10.8	< 0.01	16.2	38	9	36	< 0.1	1.5	0.90	< 0.1	0.9
L-42	20000	56	15	323	29.8	5	11.8	4.26	< 0.5	0.6	0.019	< 0.005	< 0.1	1.28	< 0.01	8.6	22	< 1	112	< 0.1	< 0.3	0.35	< 0.1	0.6
L-43	10000	93	33	375	21.6	4	14.7	1.32	< 0.5	1.0	0.026	< 0.005	< 0.1	4.78	< 0.01	14.3	43	< 1	127	< 0.1	2.3	0.37	< 0.1	1.1
L-44	5000	133	99	69.1	10.7	6	10.4	2.13	< 0.5	0.3	0.022	0.007	< 0.1	2.74	0.10	17.9	24	< 1	43	< 0.1	0.8	0.14	< 0.1	0.9
L-45	4000	149	73	424	18.1	5	8.9	0.71	< 0.5	0.5	0.044	0.005	< 0.1	2.08	< 0.01	6.9	20	< 1	< 5	< 0.1	< 0.3	0.16	< 0.1	0.4
L-46	13000	175	106	1730	13.3	13	82.8	1.63	< 0.5	0.7	0.028	0.006	< 0.1	1.02	< 0.01	3.4	22	< 1	26	< 0.1	< 0.3	< 0.05	< 0.1	0.5
G2-1	119000	515	42	361	128	11	24.6	4.24	< 0.5	1.6	0.063	0.014	1.5	11.0	< 0.01	16.2	34	16	17600	13.1	< 0.3	0.16	< 0.1	6.4
G2-2	76000	178	24	94.7	35.6	4	8.3	1.28	< 0.5	1.3	0.073	0.007	< 0.1	10.6	< 0.01	9.0	20	10	20800	9.0	< 0.3	0.46	< 0.1	5.2
G2-3	11000	145	24	54.3	33.0	4	7.3	2.80	< 0.5	1.5	0.124	< 0.005	4.0	4.80	< 0.01	8.1	28	< 1	468	6.7	< 0.3	1.15	< 0.1	14.3
G2-4	38000	122	12	86.0	22.5	3	9.5	2.56	< 0.5	1.4	0.021	< 0.005	< 0.1	7.17	< 0.01	11.9	22	< 1	438	4.4	1.9	0.77	< 0.1	10.9
G2-5	40000	165	19	99.8	39.7	3	8.1	4.49	< 0.5	1.5	0.084	< 0.005	< 0.1	8.10	< 0.01	8.6	25	< 1	140	2.0	1.7	0.82	< 0.1	6.6
G2-6	55000	145	17	66.0	27.5	3	10.0	2.43	< 0.5	2.2	0.048	< 0.005	0.8	6.40	< 0.01	10.0	18	8	9990	4.0	< 0.3	0.59	< 0.1	6.3
G2-7	29000	119	31	71.2	29.0	4	16.3	5.32	< 0.5	2.7	0.056	< 0.005	1.1	7.47	< 0.01	8.6	18	< 1	256	4.8	< 0.3	0.67	< 0.1	7.4
G2-9	61000	148	24	39.5	33.9	3	11.9	3.52	< 0.5	2.3	0.009	< 0.005	0.6	11.2	< 0.01	10.4	24	< 1	295	30.8	< 0.3	0.47	< 0.1	10.9
G2-10	38000	94	12	46.2	18.5	2	3.1	1.67	< 0.5	0.6	0.032	0.007	< 0.1	5.14	< 0.01	4.9	15	< 1	206	3.2	< 0.3	< 0.05	< 0.1	3.6
G2-11	39000	184	14	103	38.7	1	8.2	3.14	< 0.5	1.6	0.146	0.006	0.4	11.7	< 0.01	18.7	14	< 1	295	0.5	< 0.3	0.11	< 0.1	22.9
G2-11B	83000	217	23	67.5	51.2	5	18.2	3.09	< 0.5	2.3	0.086	0.008	0.9	11.1	< 0.01	21.8	19	6	22300	19.0	0.6	0.69	< 0.1	45.8
G2-12	41000	212	12	131	50.9	6	53.0	5.15	< 0.5	3.8	0.130	0.011	0.4	17.7	< 0.01	20.8	27	< 1	771	21.5	< 0.3	0.44	< 0.1	13.3
G2-13	41000	182	20	74.2	27.1	5	10.6	3.23	< 0.5	1.8	0.100	< 0.005	0.9	11.8	< 0.01	5.1	13	< 1	230	9.9	< 0.3	0.09	< 0.1	4.1
G2-14	36000	286	20	84.2	54.0	4	26.1	2.67	< 0.5	2.0	0.164	0.008	< 0.1	13.7	< 0.01	8.9	17	< 1	412	7.8	12.2	0.12	< 0.1	9.2
G2-15	16000	275	< 1	47.3	42.2	8	13.6	3.83	< 0.5	1.3	0.102	0.012	< 0.1	18.1	< 0.01	29.6	25	< 1	460	15.0	< 0.3	0.41	< 0.1	9.0
G2-15B	4000	76	25	139	6.4	4	18.4	0.86	< 0.5	0.6	0.030	0.006	< 0.1	2.66	< 0.01	8.2	10	< 1	99	< 0.1	0.7	0.72	< 0.1	1.1
G2-16	28000	497	38	71.9	107	8	17.0	4.99	< 0.5	2.2	0.098	< 0.005	1.1	20.0	< 0.01	38.6	25	9	445	14.9	< 0.3	0.13	< 0.1	17.2

Analyte Symbol	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni	Cu	Zn	Pb	Ga	Ge	Ag	Cd
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	1000	1	1	0.1	0.1	1	0.1	0.01	0.5	0.1	0.005	0.005	0.1	0.01	0.01	0.2	1	1	5	0.1	0.3	0.05	0.1	0.1
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
G2-17	18000	326	20	52.5	72.2	5	16.2	3.66	< 0.5	1.9	0.081	< 0.005	< 0.1	14.7	< 0.01	27.2	21	< 1	379	4.4	< 0.3	0.08	< 0.1	10.2
G2-18	27000	537	49	55.0	105	10	10.6	9.00	< 0.5	2.6	0.083	< 0.005	< 0.1	22.0	< 0.01	15.6	23	8	720	19.7	< 0.3	0.32	0.2	14.6
G2-19	37000	106	18	83.7	23.9	6	9.4	4.59	< 0.5	1.7	0.100	0.008	1.4	8.11	< 0.01	4.1	10	< 1	81	11.7	< 0.3	0.56	< 0.1	8.4
G2-19B	36000	125	13	65.6	28.4	2	7.0	2.83	< 0.5	1.1	0.165	< 0.005	2.8	4.64	< 0.01	6.3	11	< 1	204	5.1	< 0.3	0.06	< 0.1	8.4
G2-20	52000	172	14	259	22.1	2	41.8	2.56	< 0.5	0.9	0.023	< 0.005	0.6	6.42	< 0.01	6.4	11	< 1	271	1.6	< 0.3	0.11	< 0.1	7.0
G2-21	17000	179	51	567	40.9	7	97.6	1.23	1.6	2.7	0.063	0.014	< 0.1	3.07	< 0.01	60.1	25	< 1	188	< 0.1	2.4	0.77	< 0.1	5.3
G2-22	59000	240	28	590	68.0	7	35.5	2.98	3.4	3.7	0.056	0.012	1.9	3.44	< 0.01	28.1	21	5	996	3.4	< 0.3	0.70	< 0.1	14.8
G2-23	28000	155	17	56.2	30.5	3	9.4	2.59	< 0.5	0.8	0.109	0.007	< 0.1	8.83	< 0.01	6.0	9	< 1	709	< 0.1	1.0	0.26	< 0.1	6.4
G2-24	47000	155	50	267	56.8	7	13.8	2.56	1.2	2.5	0.046	0.006	0.5	7.99	< 0.01	28.7	19	5	1860	4.4	0.8	0.28	< 0.1	22.4
G2-25	47000	100	13	182	45.9	5	11.2	2.63	3.9	1.3	0.063	0.006	< 0.1	1.74	< 0.01	8.5	17	< 1	41	0.9	< 0.3	< 0.05	< 0.1	4.3
G2-26	41000	105	25	845	17.1	7	11.5	1.94	0.7	0.5	0.038	0.010	1.4	1.15	< 0.01	4.7	6	< 1	23	< 0.1	< 0.3	< 0.05	< 0.1	0.7
G2-27	45000	225	11	132	31.6	2	15.9	2.02	< 0.5	0.7	0.087	0.005	< 0.1	6.46	< 0.01	4.8	7	< 1	432	< 0.1	1.3	0.07	< 0.1	5.6
G2-28	31000	66	6	49.5	13.2	2	5.9	2.07	< 0.5	0.8	0.088	0.007	< 0.1	3.05	< 0.01	4.2	6	< 1	657	< 0.1	0.4	< 0.05	< 0.1	4.4
G2-29	18000	181	62	249	40.2	8	20.6	1.54	0.9	1.2	0.080	0.014	< 0.1	2.69	< 0.01	19.5	25	1	219	< 0.1	2.2	1.19	< 0.1	4.9
G2-30	27000	154	37	441	92.7	7	27.0	2.86	1.2	1.3	0.108	0.031	1.7	1.53	< 0.01	14.8	28	3	354	6.8	3.7	0.94	< 0.1	7.4
G2-31	19000	321	76	501	65.3	9	30.2	1.14	1.3	1.8	0.276	0.012	< 0.1	1.82	< 0.01	25.6	17	< 1	208	1.8	3.8	0.45	< 0.1	4.2
G2-31B	80000	104	11	114	42.0	2	19.6	2.95	0.6	1.8	0.072	0.027	< 0.1	7.96	0.84	10.4	7	26	593	3.9	0.9	0.21	1.8	22.6
G2-32	59000	78	11	93.1	23.5	2	8.0	3.33	< 0.5	1.6	0.049	0.019	< 0.1	4.62	0.23	4.8	6	17	935	2.8	0.5	0.12	1.6	5.0
G2-33	52000	71	10	120	13.1	3	10.7	1.79	< 0.5	1.1	0.098	0.008	< 0.1	4.43	0.11	8.8	3	10	170	< 0.1	0.6	0.19	1.2	5.3
G2-33B	29000	78	21	273	7.8	5	8.3	0.39	< 0.5	0.3	0.051	0.011	< 0.1	1.42	0.16	1.5	2	4	55	< 0.1	< 0.3	0.37	1.1	1.5
G2-34	57000	94	14	96.0	19.7	2	12.4	2.60	< 0.5	1.1	0.117	0.019	< 0.1	5.64	0.03	5.5	4	9	268	0.7	0.5	0.19	0.6	3.6
G2-35	79000	197	17	88.3	36.6	3	12.0	5.35	< 0.5	2.2	0.036	0.018	< 0.1	15.5	0.07	12.1	12	20	1390	5.9	1.3	0.44	1.3	11.6
G2-36	84000	206	47	255	105	6	22.7	4.99	0.8	1.2	0.053	0.021	< 0.1	2.35	0.12	7.6	18	26	624	2.8	1.0	0.12	1.3	5.1
G2-37	68000	173	14	210	41.1	5	14.8	5.18	< 0.5	2.5	0.052	0.010	< 0.1	9.60	0.02	9.2	8	15	1570	5.7	1.0	0.32	0.8	12.7
G2-38	55000	266	32	267	109	8	44.9	3.85	< 0.5	2.4	0.112	0.021	< 0.1	2.70	0.29	13.0	14	16	941	10.6	1.4	0.41	2.5	9.8
G2-40	59000	84	19	95.9	25.0	2	11.3	4.40	< 0.5	2.1	0.061	< 0.005	< 0.1	6.82	< 0.01	6.4	5	13	719	10.7	1.5	0.90	1.1	8.3
G2-41	56000	198	11	110	30.6	2	21.4	3.93	< 0.5	2.4	0.054	< 0.005	< 0.1	3.48	< 0.01	6.5	5	13	1080	7.1	0.6	0.27	0.2	14.2
G2-42	69000	229	12	128	30.2	2	32.0	2.76	< 0.5	1.0	0.072	0.006	< 0.1	1.91	< 0.01	4.7	3	11	371	4.0	< 0.3	0.07	< 0.1	7.8
G2-43	77000	127	14	162	41.1	3	12.6	5.47	< 0.5	2.7	0.038	0.010	< 0.1	9.36	< 0.01	10.1	8	18	1540	6.7	0.9	0.27	< 0.1	8.0
G2-44	42000	207	38	943	58.2	4	20.4	0.81	< 0.5	0.9	0.035	0.011	< 0.1	1.11	0.12	4.9	8	9	84	2.6	0.5	0.22	0.5	2.4
G2-44B	83000	258	14	233	48.2	5	27.0	4.40	< 0.5	2.3	0.061	< 0.005	< 0.1	1.84	0.03	8.5	8	16	647	8.2	0.8	0.39	< 0.1	8.7
G2-45	60000	223	10	125	34.4	2	20.6	2.11	< 0.5	0.7	0.085	0.007	< 0.1	2.12	< 0.01	5.4	2	9	412	4.6	0.4	0.15	< 0.1	4.4
G2-46	76000	244	38	362	86.0	2	25.6	1.70	< 0.5	0.6	0.057	0.006	< 0.1	1.32	0.11	9.5	4	11	84	2.8	0.5	0.19	< 0.1	3.2
G2-47	68000	114	15	93.1	29.8	2	8.8	2.94	< 0.5	1.3	0.060	0.007	< 0.1	4.43	< 0.01	5.3	6	12	245	7.3	0.7	0.28	< 0.1	4.9
G2-48	75000	159	23	206	129	4	27.7	3.77	< 0.5	1.9	0.068	0.007	< 0.1	2.96	0.02	10.6	15	18	2080	5.1	0.6	0.11	< 0.1	9.2
G2-49	52000	84	14	96.8	16.5	< 1	7.9	2.91	< 0.5	0.6	0.094	< 0.005	< 0.1	2.66	< 0.01	3.1	1	9	361	4.3	0.4	0.19	< 0.1	2.2
G2-50	61000	52	7	58.4	8.4	1	7.2	2.17	< 0.5	0.7	0.063	< 0.005	< 0.1	0.42	< 0.01	3.3	2	7	1170	2.2	0.4	0.17	< 0.1	2.6
OC-001A	57000	118	31	71.8	18.2	3	10.2	2.64	< 0.5	2.2	0.248	< 0.005	< 0.1	8.31	0.16	25.6	37	18	316	8.9	2.2	0.50	< 0.1	7.2
OC-002	33000	76	30	88.7	9.4	1	1.9	0.94	< 0.5	< 0.1	0.021	< 0.005	< 0.1	1.85	0.52	84.9	53	16	195	1.9	6.7	0.13	< 0.1	7.5
OC-003	29000	152	39	40.6	9.0	2	1.5	0.65	< 0.5	0.1	0.016	< 0.005	< 0.1	2.08	0.64	27.6	62	17	173	1.9	4.2	0.13	< 0.1	1.5
OC-004	31000	122	34	31.3	5.1	< 1	1.0	0.50	< 0.5	< 0.1	0.006	< 0.005	< 0.1	5.87	1.71	15.6	53	20	77	2.0	7.4	0.17	< 0.1	0.8
OC-005	36000	215	35	449	21.3	3	16.1	2.21	< 0.5	0.7	0.080	0.012	< 0.1	1.02	0.51	2.0	2	6	< 5	1.5	0.5	0.19	< 0.1	0.5
OC-006	30000	346	177	342	44.5	7	90.4	2.08	< 0.5	1.2	0.067	< 0.005	< 0.1	0.73	0.15	13.7	1	6	158	0.4	1.7	0.08	0.4	1.7
OC-007	70000	174	39	157	66.9	8	109	7.18	< 0.5	0.5	0.053	0.017	< 0.1	0.78	< 0.01	10.1	2	12	49	0.4	0.3	< 0.05	< 0.1	0.9
OC-008	58000	210	75	277	124	6	106	8.26	< 0.5	0.3	0.041	0.013	< 0.1	0.73	< 0.01	5.4	6	15	54	< 0.1	0.5	< 0.05	< 0.1	1.4
OC-009	42000	478	357	93.6	79.9	16	38.1	10.8	< 0.5	2.8	0.106	0.016	< 0.1	1.16	1.46	17.7	11	12	225	1.4	1.2	0.20	1.6	3.1
OC-010	25000	121	104	125	17.2	< 1	1.5	1.94	< 0.5	0.7	< 0.005	0.009	< 0.1	9.68	0.79	6.3	10	29	< 5	0.3	0.7	0.35	< 0.1	0.4
OC-011	29000	76	37	32.3	5.9	< 1	1.2	0.76	< 0.5	0.2	0.007	< 0.005	< 0.1	1.91	0.46	140	76	59	229	0.8	4.1	0.14	< 0.1	8.2
OC-012	24000	44	33	42.5	4.9	< 1	1.0	0.19	< 0.5	0.5	< 0.005	0.007	< 0.1	7.80	0.85	13.6	3	19	< 5	0.6	0.8	0.15	< 0.1	0.3
OC-012A	31000	108	49	427	19.3	5	25.6	1.22	< 0.5	1.5	0.052	0.010	< 0.1	1.05	0.19	13.9	5	9	< 5	< 0.1	0.8	0.30	< 0.1	0.6
OC-013	36000	86	34	1400	21.4	3	19.1	2.14	< 0.5	1.2	0.055	0.018	< 0.1	1.52	0.30	11.1	14	13	< 5	< 0.1	0.6	0.35	< 0.1	1.1
OC-014	38000	330	132	117	31.1	7	18.2	5.02	< 0.5	1.3	0.149	0.040	< 0.1	4.61	1.25	68.7	26	30	< 5	< 0.1	2.1	0.48	< 0.1	1.5

Analyte Symbol	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni	Cu	Zn	Pb	Ga	Ge	Ag	Cd
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	1000	1	1	0.1	0.1	1	0.1	0.01	0.5	0.1	0.005	0.005	0.1	0.01	0.01	0.2	1	1	5	0.1	0.3	0.05	0.1	0.1
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
OC-015	38000	213	72	313	22.0	7	13.6	3.05	< 0.5	0.7	0.052	0.017	< 0.1	1.22	0.57	15.6	16	17	< 5	< 0.1	0.5	0.34	< 0.1	1.1
OC-016	27000	73	40	22.1	7.7	< 1	1.7	0.59	< 0.5	< 0.1	0.010	< 0.005	< 0.1	3.42	0.91	64.0	33	29	53	0.3	1.9	0.16	< 0.1	2.1
OC-017	32000	108	52	33.2	8.9	1	1.1	1.34	< 0.5	< 0.1	0.012	0.009	< 0.1	4.00	1.11	61.3	67	50	58	0.8	2.5	0.12	< 0.1	1.8
OC-018	33000	165	72	10.1	4.8	< 1	1.1	0.77	< 0.5	< 0.1	0.008	0.009	< 0.1	9.50	1.66	22.1	30	36	115	2.2	0.9	0.18	< 0.1	3.1
OC-019	34000	183	83	951	15.4	9	38.6	2.20	< 0.5	0.9	0.105	0.005	< 0.1	0.85	0.69	4.4	7	16	< 5	0.3	0.5	0.15	< 0.1	0.6
OC-020	45000	119	29	432	25.6	4	50.3	19.6	< 0.5	1.2	0.090	0.010	< 0.1	0.51	0.09	14.2	10	13	189	< 0.1	0.6	0.06	< 0.1	2.5
OC-021	37000	137	34	399	22.3	2	38.3	18.1	< 0.5	1.0	0.085	< 0.005	< 0.1	0.38	0.09	11.9	10	12	149	< 0.1	0.5	0.10	< 0.1	2.4
OC-022	57000	149	43	120	80.1	3	21.8	7.68	< 0.5	0.7	0.017	0.009	< 0.1	0.51	0.02	5.5	5	13	193	0.9	0.4	0.14	< 0.1	1.9
OC-023	53000	718	229	65.2	58.0	5	29.4	13.7	< 0.5	1.0	0.096	0.010	< 0.1	0.67	0.35	10.1	24	15	76	3.5	1.2	0.33	0.2	2.4
OC-024	26000	312	154	38.5	37.9	9	70.4	24.8	< 0.5	0.4	0.041	0.009	< 0.1	0.68	0.28	2.4	8	11	42	< 0.1	0.5	0.08	< 0.1	1.0
OC-025	16000	177	100	24.3	20.5	9	28.9	18.8	< 0.5	0.6	0.031	0.020	< 0.1	7.43	0.29	2.2	7	28	123	2.1	0.4	< 0.05	1.3	0.9
OC-026	5000	80	72	182	16.0	4	23.2	18.2	< 0.5	0.6	0.031	< 0.005	< 0.1	3.19	0.11	1.7	6	10	72	< 0.1	< 0.3	0.07	< 0.1	0.7
OC-027	< 1000	102	37	168	4.8	6	49.1	6.32	< 0.5	0.4	0.017	0.007	< 0.1	1.50	< 0.01	1.0	2	6	32	< 0.1	< 0.3	< 0.05	< 0.1	0.5
OC-028	< 1000	58	50	384	4.1	5	28.4	6.15	< 0.5	0.7	0.016	0.007	< 0.1	0.40	0.41	1.0	3	5	10	< 0.1	< 0.3	0.25	< 0.1	0.5
OC-029	6000	65	34	60.9	5.4	3	8.9	4.80	< 0.5	0.7	0.015	0.012	< 0.1	1.00	0.14	1.0	7	7	< 5	< 0.1	< 0.3	0.60	< 0.1	0.5
OC-030	10000	42	19	167	5.0	2	8.4	3.08	< 0.5	0.4	0.039	< 0.005	< 0.1	0.66	< 0.01	0.9	3	3	< 5	< 0.1	< 0.3	0.16	< 0.1	0.5
OC-031	10000	48	25	171	2.6	4	13.0	5.08	< 0.5	0.4	0.015	0.006	< 0.1	0.46	< 0.01	1.2	3	3	< 5	< 0.1	< 0.3	0.14	< 0.1	0.2
OC-032	5000	55	26	93.3	5.7	3	25.1	14.8	< 0.5	0.3	0.018	0.006	< 0.1	0.74	< 0.01	1.8	2	4	< 5	< 0.1	< 0.3	0.06	< 0.1	0.7
OC-033	7000	67	28	14.0	6.4	2	< 0.1	0.62	< 0.5	0.3	0.009	0.010	< 0.1	1.09	0.01	32.2	23	14	43	< 0.1	1.6	0.10	< 0.1	1.3
OC-034	< 1000	76	51	17.2	4.9	2	< 0.1	0.61	< 0.5	0.3	0.007	0.007	< 0.1	6.54	0.95	12.5	12	20	42	< 0.1	0.9	0.08	< 0.1	0.8
OC-035	< 1000	32	21	34.6	2.7	3	3.4	0.63	< 0.5	0.3	0.007	< 0.005	< 0.1	2.96	0.67	3.0	5	9	8	< 0.1	0.4	0.08	< 0.1	0.2
OC-036	2000	59	49	178	12.6	3	17.5	0.94	< 0.5	0.4	0.029	0.005	< 0.1	0.87	< 0.01	4.0	2	3	25	< 0.1	< 0.3	< 0.05	< 0.1	0.6
OC-037	6000	146	86	29.1	28.5	3	11.1	8.08	< 0.5	0.5	0.053	< 0.005	< 0.1	0.74	< 0.01	12.3	8	4	45	< 0.1	1.9	< 0.05	< 0.1	0.7
OC-038	13000	80	31	73.3	63.9	4	21.3	63.0	< 0.5	0.6	0.030	0.011	< 0.1	0.67	< 0.01	93.4	19	4	253	< 0.1	1.9	0.09	< 0.1	0.8
OC-039	11000	46	15	117	38.5	1	4.0	39.6	< 0.5	0.5	0.016	0.011	< 0.1	0.45	< 0.01	40.1	14	3	101	< 0.1	1.0	0.09	< 0.1	0.7
OC-040	< 1000	62	19	134	72.2	4	13.3	67.0	< 0.5	0.7	0.055	0.016	< 0.1	0.59	< 0.01	10.2	11	4	99	< 0.1	< 0.3	< 0.05	< 0.1	1.3
OC-041	< 1000	44	17	55.0	14.1	2	24.1	18.4	< 0.5	0.4	0.014	0.012	< 0.1	0.55	< 0.01	1.7	3	2	26	< 0.1	< 0.3	0.07	< 0.1	0.3
OC-042	19000	256	79	251	8.3	8	28.6	60.3	< 0.5	1.4	0.060	0.020	< 0.1	1.07	0.52	1.4	6	7	< 5	< 0.1	< 0.3	0.12	< 0.1	0.5
OC-043	6000	161	84	133	12.9	11	21.6	35.4	< 0.5	1.4	0.062	0.016	< 0.1	1.58	0.50	4.8	10	8	32	< 0.1	< 0.3	0.32	< 0.1	0.8
OC-044	4000	179	64	105	8.6	15	28.9	26.1	< 0.5	1.3	0.027	0.010	< 0.1	0.67	1.38	2.7	5	7	< 5	< 0.1	< 0.3	0.39	< 0.1	0.5
OC-045	< 1000	108	54	16.1	5.2	2	< 0.1	0.60	< 0.5	0.4	0.012	< 0.005	< 0.1	2.77	0.11	11.4	31	12	66	< 0.1	2.2	0.11	< 0.1	1.2
OC-046	2000	75	54	12.0	3.7	2	< 0.1	0.53	< 0.5	0.2	0.009	0.007	< 0.1	6.09	0.53	15.1	28	11	96	< 0.1	1.0	0.12	< 0.1	0.7
OC-047	1000	67	54	11.6	3.5	2	< 0.1	0.42	< 0.5	0.2	0.005	< 0.005	< 0.1	6.17	0.59	13.6	23	9	115	< 0.1	1.1	0.12	< 0.1	0.7
OC-048	3000	49	26	7.1	2.7	1	< 0.1	0.16	< 0.5	< 0.1	0.005	< 0.005	< 0.1	3.81	0.65	9.3	13	6	54	< 0.1	0.9	< 0.05	< 0.1	0.6
OC-049	< 1000	95	44	0.6	2.5	2	< 0.1	0.22	< 0.5	0.1	0.012	< 0.005	< 0.1	2.80	0.41	11.2	14	10	89	< 0.1	0.5	0.07	< 0.1	1.3
OC-050	< 1000	49	22	0.8	1.2	< 1	< 0.1	0.19	< 0.5	< 0.1	< 0.005	0.052	< 0.1	3.18	0.58	7.1	15	8	73	< 0.1	0.6	0.05	< 0.1	0.3
OC-051	< 1000	71	35	9.3	2.8	2	< 0.1	0.28	< 0.5	0.2	0.019	0.008	< 0.1	4.17	0.52	16.4	20	12	58	< 0.1	1.2	0.09	< 0.1	1.5
OC-052	< 1000	67	36	12.3	4.2	2	< 0.1	0.32	< 0.5	0.5	0.016	< 0.005	< 0.1	2.45	0.35	19.5	20	11	84	< 0.1	1.7	0.10	< 0.1	1.3
OC-053	< 1000	226	70	17.1	4.3	5	6.5	6.76	< 0.5	0.7	0.059	0.006	< 0.1	3.36	1.63	21.3	15	14	< 5	< 0.1	0.5	0.35	< 0.1	0.4
OC-054	6000	36	13	72.6	4.2	2	11.1	2.62	< 0.5	0.8	0.026	0.010	< 0.1	2.86	< 0.01	11.2	18	4	99	< 0.1	0.3	0.12	< 0.1	3.2
OC-055	5000	37	30	25.7	2.3	2	0.4	0.36	< 0.5	0.2	0.009	0.007	< 0.1	1.14	0.15	5.7	9	6	32	< 0.1	1.0	0.08	< 0.1	0.3
OC-056	< 1000	53	11	36.3	10.8	2	6.0	1.61	< 0.5	0.7	0.067	< 0.005	< 0.1	4.16	< 0.01	4.3	6	5	211	< 0.1	0.4	0.10	< 0.1	6.0
OC-057	9000	234	279	77.2	13.0	7	47.0	13.7	< 0.5	1.0	0.163	< 0.005	< 0.1	2.00	0.42	35.0	54	18	220	< 0.1	3.9	0.78	< 0.1	3.5
OC-058	2000	76	82	86.2	4.6	5	9.6	12.1	< 0.5	0.6	0.037	0.012	< 0.1	0.97	0.05	7.6	25	10	61	< 0.1	0.9	0.40	< 0.1	0.9
OC-059	< 1000	87	51	103	10.2	2	33.4	3.32	< 0.5	0.3	0.017	< 0.005	< 0.1	0.48	< 0.01	3.0	2	5	57	< 0.1	< 0.3	0.06	< 0.1	0.7
OC-060	4000	49	40	201	3.9	3	13.7	0.64	< 0.5	0.2	0.038	< 0.005	< 0.1	0.30	< 0.01	0.9	2	6	60	< 0.1	< 0.3	< 0.05	< 0.1	0.3
OC-061	7000	71	32	85.4	15.5	3	13.5	0.71	< 0.5	0.5	0.048	0.005	< 0.1	1.41	< 0.01	2.1	7	4	78	< 0.1	< 0.3	< 0.05	< 0.1	2.3
OC-062	< 1000	76	29	81.3	10.8	3	33.9	0.40	< 0.5	0.6	0.029	0.006	< 0.1	1.26	< 0.01	4.4	3	4	48	< 0.1	< 0.3	0.05	< 0.1	0.9
OC-063	6000	66	30	151	5.9	2	9.0	0.54	< 0.5	0.5	0.030	0.008	< 0.1	0.90	< 0.01	4.5	8	3	81	< 0.1	< 0.3	0.20	< 0.1	1.1
Sb-001	< 1000	75	66	265	6.9	5	58.9	59.0	< 0.5	0.6	0.036	< 0.005	< 0.1	0.39	< 0.01	5.3	4	6	39	< 0.1	< 0.3	< 0.05	< 0.1	1.2
Sb-002	3000	40	20	84.9	1.2	5	4.9	0.68	< 0.5	0.7	0.016	0.014	< 0.1	1.94	1.28	2.3	8	9	20	< 0.1	0.3	0.15	< 0.1	0.6
Sb-003	< 1000	100	47	80.3	20.5	6	20.0	94.3	< 0.5	0.5	0.071	0.009	< 0.1	0.67	< 0.01	3.9	4	11	7	< 0.1	0.4	0.09	< 0.1	0.8

Analyte Symbol	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni	Cu	Zn	Pb	Ga	Ge	Ag	Cd
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	1000	1	1	0.1	0.1	1	0.1	0.01	0.5	0.1	0.005	0.005	0.1	0.01	0.01	0.2	1	1	5	0.1	0.3	0.05	0.1	0.1
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
Sb-004	4000	102	43	22.1	33.5	2	2.7	1.87	< 0.5	0.8	< 0.005	0.014	< 0.1	10.9	0.22	9.7	8	60	31	< 0.1	0.5	0.13	< 0.1	0.3
Sb-005	5000	86	26	9.4	4.3	2	< 0.1	0.35	< 0.5	0.4	< 0.005	< 0.005	< 0.1	2.46	0.07	19.3	20	9	159	< 0.1	1.0	0.07	< 0.1	1.8
Sb-006	7000	105	43	23.3	5.6	2	< 0.1	0.31	< 0.5	0.3	0.009	0.010	< 0.1	3.94	0.34	12.0	29	15	69	< 0.1	1.9	0.09	< 0.1	1.6
Sb-007	5000	82	29	4.2	2.2	1	< 0.1	0.05	< 0.5	0.2	< 0.005	< 0.005	< 0.1	2.47	0.33	19.0	22	7	87	< 0.1	0.7	0.06	< 0.1	1.8
Sb-008	1000	101	69	36.0	4.4	3	0.6	0.53	< 0.5	0.3	0.009	0.006	< 0.1	10.3	0.88	19.9	37	18	123	5.9	1.7	0.30	< 0.1	2.8
Sb-009	2000	102	81	140	7.3	4	10.0	0.91	< 0.5	0.8	0.033	0.009	< 0.1	3.26	< 0.01	4.4	15	8	< 5	1.5	0.6	0.39	< 0.1	0.3
Sb-010	22000	144	63	323	18.0	6	8.2	17.9	< 0.5	0.7	0.053	0.007	< 0.1	3.85	< 0.01	6.2	4	20	267	2.3	< 0.3	< 0.05	< 0.1	1.1
Sb-011	< 1000	174	192	31.3	6.0	4	0.1	1.12	< 0.5	0.4	0.009	0.015	< 0.1	17.6	1.15	38.0	29	12	219	4.1	1.8	0.20	< 0.1	2.3
Sb-012	2000	127	83	24.0	5.9	3	0.1	0.38	< 0.5	0.2	0.007	< 0.005	< 0.1	3.12	< 0.01	22.2	37	8	185	4.7	2.6	0.13	< 0.1	2.9
Sb-013	< 1000	156	143	29.5	6.2	4	0.4	0.65	< 0.5	0.4	0.008	0.009	< 0.1	31.0	1.49	18.6	16	11	103	2.5	1.7	0.25	< 0.1	1.8
Sb-014	< 1000	226	479	238	21.0	9	2.4	18.0	< 0.5	1.7	0.012	0.075	0.2	75.4	4.01	43.8	87	64	141	16.2	16.7	1.64	0.9	1.5
Sb-015	< 1000	236	514	212	22.3	10	2.7	18.9	< 0.5	2.1	0.009	0.065	< 0.1	81.7	4.20	47.4	95	70	158	17.8	18.3	1.72	0.8	1.3
Sb-016	< 1000	123	289	117	25.4	4	3.4	41.4	< 0.5	1.4	< 0.005	0.022	< 0.1	12.8	< 0.01	7.8	13	100	18	0.6	1.5	0.25	< 0.1	0.3
Sb-017	3000	186	115	600	75.3	12	27.2	921	< 0.5	0.9	0.185	0.080	< 0.1	1.82	< 0.01	24.6	43	27	< 5	< 0.1	0.3	0.54	< 0.1	0.7
Sb-019	4000	137	68	249	86.1	6	10.2	3.35	< 0.5	0.9	0.076	0.013	< 0.1	1.31	< 0.01	4.0	6	5	23	< 0.1	< 0.3	< 0.05	< 0.1	0.5
Sb-020	< 1000	153	73	527	45.7	7	11.2	1.86	< 0.5	0.8	0.064	< 0.005	< 0.1	0.80	< 0.01	3.3	4	4	12	< 0.1	< 0.3	< 0.05	< 0.1	0.3
Sb-021	5000	134	401	1030	80.9	10	45.0	2.12	< 0.5	1.3	0.066	0.008	< 0.1	1.06	< 0.01	6.1	7	7	29	< 0.1	0.4	< 0.05	< 0.1	0.4
Sb-022	< 1000	116	62	363	49.1	7	13.6	2.26	< 0.5	0.8	0.057	< 0.005	< 0.1	0.62	< 0.01	3.0	6	4	41	< 0.1	< 0.3	< 0.05	< 0.1	0.7
Sb-023	< 1000	97	52	474	123	9	27.1	2.36	< 0.5	1.0	0.071	< 0.005	< 0.1	0.93	< 0.01	4.8	11	4	27	< 0.1	< 0.3	0.09	< 0.1	0.6
Sb-024	17000	144	72	402	187	6	44.8	4.74	< 0.5	2.0	0.072	< 0.005	< 0.1	0.69	< 0.01	11.5	9	4	104	< 0.1	0.5	0.11	< 0.1	1.5
Sb-025	1000	129	50	444	75.9	5	20.8	6.06	< 0.5	2.2	0.051	< 0.005	< 0.1	0.66	< 0.01	10.6	9	4	33	< 0.1	0.3	0.11	< 0.1	0.9
Sb-026	< 1000	105	50	1620	39.9	7	18.6	2.04	< 0.5	1.4	0.034	0.025	< 0.1	1.47	< 0.01	18.0	25	8	139	< 0.1	1.3	0.71	< 0.1	1.6
Sb-027	< 1000	149	80	883	57.4	7	59.2	10.1	< 0.5	1.8	0.091	< 0.005	< 0.1	0.83	< 0.01	22.1	15	7	70	< 0.1	0.6	0.19	< 0.1	1.3
Sb-028	21000	220	112	297	71.7	9	34.5	6.36	2.0	1.0	0.121	0.008	< 0.1	1.03	< 0.01	5.7	9	5	75	< 0.1	< 0.3	0.07	< 0.1	1.5
Sb-029	17000	132	62	936	84.1	5	30.8	7.37	< 0.5	3.0	0.127	0.011	< 0.1	1.82	< 0.01	7.5	12	6	210	0.4	0.8	0.62	< 0.1	1.8
Sb-030	3000	80	46	305	34.0	3	33.5	1.00	< 0.5	1.9	0.096	0.014	< 0.1	1.88	< 0.01	11.6	12	5	253	< 0.1	0.5	0.23	< 0.1	1.4
Sb-031	5000	139	96	809	18.6	9	41.6	1.55	< 0.5	0.7	0.130	0.009	< 0.1	1.38	< 0.01	3.8	6	6	110	0.6	< 0.3	0.05	< 0.1	1.2
Sb-032	2000	132	145	275	11.7	7	11.8	0.81	< 0.5	0.8	0.040	0.023	< 0.1	4.75	< 0.01	5.3	36	14	15	< 0.1	1.4	0.45	< 0.1	0.7
Sb-033	< 1000	134	227	162	8.7	7	2.9	0.80	< 0.5	0.9	< 0.005	0.027	< 0.1	19.5	< 0.01	10.1	17	32	16	0.6	1.5	0.42	< 0.1	0.5
Sb-034	4000	119	97	975	12.3	8	6.8	0.68	< 0.5	1.0	0.037	0.010	< 0.1	1.26	< 0.01	3.3	6	8	< 5	< 0.1	< 0.3	0.24	< 0.1	0.2
Sb-035	5000	162	178	440	109	10	62.4	2.68	< 0.5	1.3	0.045	0.014	< 0.1	1.38	< 0.01	11.7	6	5	23	< 0.1	1.3	0.18	< 0.1	0.8
Sb-036	< 1000	49	24	57.1	17.6	2	16.6	0.83	< 0.5	1.8	0.027	< 0.005	< 0.1	0.53	< 0.01	8.8	7	2	440	0.4	0.5	0.33	< 0.1	5.3
Sb-037	2000	56	39	131	22.2	2	11.0	1.17	< 0.5	1.6	0.050	< 0.005	< 0.1	1.05	< 0.01	6.7	9	2	513	1.9	0.6	0.49	< 0.1	7.4
Sb-038	7000	97	28	211	24.6	3	7.0	1.20	< 0.5	2.1	0.064	< 0.005	< 0.1	1.83	< 0.01	5.0	8	3	257	3.8	< 0.3	0.37	< 0.1	4.9
Sb-039	5000	78	33	384	9.8	4	6.7	0.50	< 0.5	1.2	0.048	0.007	< 0.1	1.01	< 0.01	4.1	4	2	63	0.8	< 0.3	0.16	< 0.1	1.2
Sb-040	2000	71	37	460	28.5	6	5.8	0.92	< 0.5	0.5	0.057	< 0.005	< 0.1	0.88	< 0.01	3.8	3	4	38	0.2	< 0.3	0.12	< 0.1	0.5
Sb-041	< 1000	73	37	343	74.2	4	4.3	0.70	< 0.5	0.4	0.094	< 0.005	< 0.1	0.80	< 0.01	3.8	4	4	45	< 0.1	< 0.3	0.06	< 0.1	0.4
Sb-042	7000	145	46	187	67.5	5	3.5	0.71	< 0.5	0.5	0.059	< 0.005	< 0.1	0.82	< 0.01	4.3	2	4	37	< 0.1	< 0.3	< 0.05	< 0.1	1.3
Sb-043	8000	253	245	732	17.6	10	18.5	1.18	< 0.5	1.2	0.067	0.029	< 0.1	1.76	< 0.01	14.3	16	13	18	< 0.1	0.7	0.27	< 0.1	1.1
Sb-044	< 1000	67	120	162	9.0	2	4.1	0.58	< 0.5	2.0	0.009	0.012	< 0.1	3.92	< 0.01	62.3	18	11	26	< 0.1	1.6	0.26	< 0.1	0.7
Sb-045	< 1000	236	375	62.9	9.4	5	0.8	0.76	< 0.5	1.0	< 0.005	0.014	< 0.1	28.7	0.09	29.1	19	18	81	0.6	2.3	0.36	< 0.1	0.7
Sb-046	< 1000	92	148	58.7	6.0	3	0.6	2.09	< 0.5	0.6	< 0.005	0.008	< 0.1	7.79	< 0.01	3.7	8	30	< 5	< 0.1	1.5	0.25	< 0.1	0.2
Sb-047	< 1000	67	71	18.2	3.7	2	< 0.1	0.21	< 0.5	0.2	0.009	0.009	< 0.1	3.20	< 0.01	22.2	26	8	215	8.1	3.3	0.10	< 0.1	2.4
Sb-048	< 1000	131	125	22.6	2.8	2	< 0.1	1.36	< 0.5	0.2	0.011	< 0.005	< 0.1	6.66	0.27	14.2	18	13	206	6.6	1.7	0.39	< 0.1	2.1
Sb-049	3000	71	75	934	18.7	8	34.3	206	< 0.5	1.0	0.043	< 0.005	< 0.1	1.44	< 0.01	17.1	11	9	53	2.8	1.2	0.56	< 0.1	0.9
Sb-050	< 1000	72	98	451	26.1	5	25.3	2.17	< 0.5	2.2	0.019	< 0.005	< 0.1	3.48	< 0.01	15.7	17	5	192	2.3	1.2	0.86	< 0.1	1.6
Sb-051	5000	90	52	620	8.4	5	38.9	20.3	< 0.5	1.9	0.046	0.006	< 0.1	0.94	< 0.01	8.0	10	7	108	0.9	0.3	0.71	< 0.1	1.1
Sb-052	< 1000	109	29	198	11.8	3	9.0	1.15	< 0.5	1.8	0.090	< 0.005	< 0.1	5.42	< 0.01	2.3	3	4	204	1.4	< 0.3	0.13	< 0.1	1.5
Sb-053	< 1000	111	167	76.7	9.5	5	2.4	1.02	< 0.5	1.2	0.014	0.007	< 0.1	25.4	1.28	10.6	14	20	35	1.5	1.1	0.25	< 0.1	0.5
Sb-054	< 1000	77	52	21.5	4.8	1	0.4	0.59	< 0.5	0.3	< 0.005	0.007	< 0.1	2.58	< 0.01	17.6	20	12	72	1.9	1.3	0.12	< 0.1	2.2
Sb-055	< 1000	64	63	35.2	12.6	1	1.3	0.37	< 0.5	0.4	< 0.005	0.010	< 0.1	2.32	0.65	10.5	26	10	45	5.3	2.1	0.17	< 0.1	0.8
KEEZ-154EXTRA	12000	312	330	355	16.8	13	57.5	1.60	< 0.5	1.3	0.087	0.014	< 0.1	3.07	1.82	5.1	8	8	106	5.7	0.6	0.50	< 0.1	1.2

Analyte Symbol	In	Sn	Tl	Bi	Ti	Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.01	0.2	0.005	0.5	10	3	0.05	0.1	0.1	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
KEEZ-001	0.03	2.0	0.211	1.6	380	11	12.1	47.1	1.9	1.15	0.13	32.0	59.6	7.46	27.5	4.48	0.89	4.41	0.49	2.28	0.44	1.25	0.16	1.12
KEEZ-002	< 0.01	1.9	0.056	< 0.5	170	12	5.21	15.2	0.6	0.44	< 0.02	17.8	29.3	4.37	15.4	2.39	0.49	2.36	0.25	1.04	0.20	0.60	0.08	0.54
KEEZ-002A	< 0.01	3.7	0.671	1.0	590	< 3	3.80	15.7	3.4	0.43	0.27	13.2	20.8	3.03	10.8	1.86	0.39	1.64	0.18	0.77	0.14	0.41	0.06	0.39
KEEZ-003	< 0.01	2.9	0.227	< 0.5	40	< 3	< 0.05	10.7	0.6	0.25	0.12	0.58	0.72	0.10	0.09	0.03	0.07	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-003A	< 0.01	2.5	0.225	< 0.5	300	< 3	< 0.05	0.4	0.3	0.02	0.08	0.06	< 0.01	< 0.01	< 0.01	< 0.01	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-004	< 0.01	2.2	0.183	< 0.5	50	< 3	< 0.05	0.2	0.3	0.03	0.09	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-004A	< 0.01	2.0	0.253	< 0.5	240	< 3	< 0.05	0.3	0.2	0.01	0.07	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-005	< 0.01	2.4	0.381	< 0.5	80	< 3	< 0.05	1.4	0.4	0.06	0.11	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.10	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-005A	< 0.01	3.6	0.845	< 0.5	70	< 3	< 0.05	0.3	0.4	< 0.01	0.08	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.14	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-006	< 0.01	3.2	0.128	< 0.5	80	< 3	< 0.05	1.6	0.2	0.06	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.08	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-006A	< 0.01	3.5	0.232	< 0.5	170	< 3	< 0.05	7.3	0.2	0.20	0.04	0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-007	< 0.01	2.0	1.12	< 0.5	70	< 3	< 0.05	0.9	0.3	0.05	0.10	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.10	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-007A	< 0.01	1.9	1.04	< 0.5	60	< 3	< 0.05	0.3	0.2	0.02	0.07	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.11	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-008	< 0.01	1.8	0.511	< 0.5	< 10	< 3	< 0.05	0.8	0.2	0.02	0.04	0.39	< 0.01	0.03	0.13	< 0.01	0.09	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-008A	< 0.01	2.7	0.712	< 0.5	220	< 3	< 0.05	0.8	0.2	0.03	0.04	0.68	< 0.01	0.03	< 0.01	0.01	0.11	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-009	< 0.01	2.1	0.275	< 0.5	70	< 3	0.06	2.2	0.3	0.07	0.03	0.46	< 0.01	0.09	0.24	0.01	0.11	< 0.01	< 0.01	0.01	< 0.01	0.03	< 0.01	0.02
KEEZ-009A	< 0.01	2.5	0.945	< 0.5	420	< 3	< 0.05	1.4	0.1	0.05	0.03	0.20	< 0.01	< 0.01	< 0.01	< 0.01	0.16	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-010	< 0.01	4.1	0.552	< 0.5	180	< 3	< 0.05	3.2	0.2	0.10	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.11	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-010A	< 0.01	3.0	0.385	< 0.5	170	< 3	< 0.05	22.1	< 0.1	0.53	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.10	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-011	< 0.01	1.6	0.155	< 0.5	370	11	1.89	14.1	1.0	0.38	0.08	4.96	9.34	1.26	5.07	0.89	0.23	0.79	0.09	0.49	0.08	0.29	0.04	0.24
KEEZ-011A	< 0.01	2.7	0.428	< 0.5	180	< 3	0.10	2.2	0.6	0.08	0.03	1.04	1.27	0.19	0.66	0.13	0.12	0.08	< 0.01	0.07	< 0.01	0.03	< 0.01	0.02
KEEZ-012	0.01	2.0	0.181	< 0.5	50	< 3	1.18	10.5	0.4	0.29	< 0.02	3.38	4.42	0.90	3.30	0.61	0.14	0.57	0.09	0.28	0.05	0.19	0.02	0.18
KEEZ-013	< 0.01	2.1	0.053	< 0.5	70	< 3	3.24	14.3	0.3	0.52	< 0.02	8.76	15.4	2.66	10.7	1.92	0.41	1.63	0.21	0.97	0.17	0.53	0.06	0.51
KEEZ-013A	< 0.01	2.3	0.575	< 0.5	290	22	3.30	13.0	0.7	0.39	< 0.02	11.5	19.2	2.77	10.6	1.71	0.40	1.76	0.19	0.87	0.17	0.51	0.05	0.37
KEEZ-014	< 0.01	1.7	0.067	< 0.5	110	< 3	0.54	3.4	0.6	0.15	< 0.02	1.65	3.67	0.54	1.89	0.37	0.14	0.34	0.05	0.20	0.03	0.11	0.01	0.11
KEEZ-014A	< 0.01	3.1	1.19	< 0.5	660	< 3	1.47	7.1	1.0	0.20	0.02	5.84	8.47	0.91	2.92	0.63	0.21	0.64	0.10	0.42	0.05	0.18	0.02	0.11
KEEZ-015	< 0.01	1.1	0.068	< 0.5	< 10	< 3	0.11	3.5	< 0.1	0.13	< 0.02	0.20	0.54	0.05	0.07	0.08	0.06	0.07	< 0.01	0.06	< 0.01	0.05	< 0.01	0.05
KEEZ-015A	< 0.01	2.5	0.963	< 0.5	310	< 3	0.22	0.5	0.7	0.03	< 0.02	1.07	1.77	0.20	0.64	0.14	0.05	0.15	0.01	0.09	0.02	0.04	< 0.01	0.02
KEEZ-016	< 0.01	2.1	2.45	< 0.5	90	< 3	1.20	2.3	0.7	0.08	0.06	3.95	5.59	0.80	2.74	0.42	0.16	0.46	0.05	0.25	0.05	0.14	0.02	0.12
KEEZ-017A	< 0.01	2.2	0.920	< 0.5	230	< 3	0.07	0.2	< 0.1	0.01	< 0.02	1.55	1.50	0.24	0.72	0.12	0.08	0.12	< 0.01	0.04	< 0.01	0.02	< 0.01	< 0.01
KEEZ-018	< 0.01	2.1	0.488	< 0.5	320	< 3	0.06	2.5	0.4	0.05	< 0.02	1.53	2.39	0.32	1.16	0.22	0.10	0.17	0.01	0.04	< 0.01	0.03	< 0.01	< 0.01
KEEZ-019	< 0.01	1.6	0.327	< 0.5	< 10	< 3	0.25	1.2	1.1	0.03	0.07	2.89	5.49	0.67	2.35	0.40	0.12	0.36	0.03	0.13	0.01	0.05	< 0.01	0.03
KEEZ-020	< 0.01	2.5	0.253	< 0.5	70	3	< 0.05	0.2	0.3	0.01	< 0.02	0.64	0.92	0.10	0.32	0.02	0.06	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-021	< 0.01	2.0	1.16	< 0.5	40	< 3	< 0.05	2.8	0.7	0.09	0.04	0.86	1.76	0.19	0.57	0.07	0.06	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-022	< 0.01	1.8	0.426	< 0.5	220	< 3	< 0.05	1.5	0.9	0.07	0.09	1.34	1.96	0.24	0.74	0.12	0.08	0.10	0.01	0.05	< 0.01	0.02	< 0.01	0.05
KEEZ-023	< 0.01	1.5	0.339	< 0.5	70	< 3	< 0.05	< 0.1	0.2	< 0.01	< 0.02	0.45	0.19	0.04	0.01	0.01	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-024	< 0.01	1.2	1.72	< 0.5	50	< 3	0.10	2.0	0.3	0.06	< 0.02	1.63	3.51	0.43	1.61	0.28	0.09	0.16	0.02	0.10	< 0.01	0.03	< 0.01	0.04
KEEZ-025A	< 0.01	2.0	1.33	< 0.5	380	< 3	1.81	6.4	0.8	0.29	< 0.02	11.2	13.4	1.75	5.83	1.11	0.23	1.18	0.12	0.48	0.08	0.24	0.03	0.17
KEEZ-026A	< 0.01	1.7	0.558	< 0.5	300	< 3	0.58	0.3	0.5	0.02	< 0.02	2.47	3.17	0.33	0.91	0.22	0.06	0.26	0.03	0.16	0.02	0.06	< 0.01	0.03
KEEZ-027A	0.02	2.2	0.587	6.1	880	16	4.60	17.6	1.7	0.45	0.07	8.39	16.9	2.10	8.63	1.59	0.40	1.63	0.20	0.97	0.18	0.55	0.07	0.55
KEEZ-028A	< 0.01	1.7	0.880	< 0.5	140	< 3	< 0.05	3.1	0.5	0.06	0.06	0.73	2.43	0.10	0.53	0.05	0.08	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.03
KEEZ-029	< 0.01	2.1	0.224	< 0.5	150	17	< 0.05	8.3	0.8	0.13	0.08	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-030	< 0.01	1.6	0.298	< 0.5	150	< 3	< 0.05	1.1	1.0	< 0.01	0.14	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-031	< 0.01	1.6	0.389	< 0.5	90	15	< 0.05	3.4	0.4	0.06	0.07	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-032A	< 0.01	2.5	0.815	< 0.5	630	10	0.08	3.6	1.4	0.07	0.05	0.72	0.78	0.05	0.23	0.08	0.05	0.07	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-033A	< 0.01	2.5	2.24	< 0.5	270	5	2.22	2.2	0.6	0.04	< 0.02	4.59	6.41	0.64	2.19	0.56	0.15	0.68	0.10	0.46	0.08	0.16	0.01	0.09
KEEZ-034	0.05	3.4	2.70	5.5	830	16	4.33	9.9	2.5	0.17	0.08	6.72	11.0	1.26	4.64	1.04	0.29	1.15	0.16	0.88	0.17	0.40	0.05	0.35
KEEZ-035A	0.02	1.7	0.310	1.9	310	6	1.25	2.6	0.8	< 0.01	< 0.02	2.34	3.97	0.52	1.83	0.34	0.10	0.37	0.05	0.22	0.07	0.14	0.03	0.16
KEEZ-036	0.02	1.7	1.07	< 0.5	190	< 3	< 0.05	1.9	0.7	< 0.01	0.05	0.32	0.20	0.01	0.23	< 0.01	0.09	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-037A	0.01	2.7	1.09	< 0.5	630	< 3	2.41	5.8	1.4	0.04	0.04	6.31	10.7	0.97	3.57	0.61	0.20	0.82	0.09	0.49	0.08	0.18	0.02	0.15
KEEZ-039A	0.01	3.4	1.40	< 0.5	1080	13	4.44	7.6	2.3	0.09	< 0.02	12.3	17.5	1.72	5.80	1.21	0.31	1.32	0.19	0.82	0.14	0.37	0.03	0.24
KEEZ-040A	0.01	3.2	0.962	< 0.5	320	< 3	1.32	2.8	0.4	< 0.01	< 0.02	5.30	6.32	0.57	1.96	0.41	0.15	0.51	0.06	0.21	0.03	0.06	< 0.01	0.04

Analyte Symbol	In	Sn	Tl	Bi	Ti	Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.01	0.2	0.005	0.5	10	3	0.05	0.1	0.1	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
KEEZ-041	< 0.01	2.5	0.658	< 0.5	170	< 3	0.61	2.4	0.5	< 0.01	< 0.02	3.33	4.12	0.41	1.73	0.28	0.07	0.29	0.02	0.10	0.02	0.05	< 0.01	0.07
KEEZ-042	< 0.01	2.2	0.425	< 0.5	220	< 3	0.34	1.8	0.6	< 0.01	< 0.02	3.84	4.93	0.46	1.35	0.25	0.03	0.23	0.01	0.01	0.02	< 0.01	< 0.01	0.03
KEEZ-043A	0.01	1.7	0.512	< 0.5	140	< 3	0.14	7.7	0.4	0.02	< 0.02	1.26	1.89	0.28	1.23	0.10	0.03	0.07	< 0.01	< 0.01	0.01	0.02	< 0.01	0.04
KEEZ-044	< 0.01	1.6	0.253	< 0.5	140	< 3	0.46	4.6	0.4	< 0.01	< 0.02	1.78	1.69	0.42	1.84	0.22	0.08	0.20	0.01	0.04	0.03	0.06	< 0.01	0.09
KEEZ-044A	< 0.01	1.7	1.17	< 0.5	80	< 3	< 0.05	1.1	0.4	< 0.01	0.05	0.10	< 0.01	< 0.01	< 0.01	< 0.01	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-045	< 0.01	1.5	0.713	< 0.5	80	< 3	0.33	5.7	0.3	< 0.01	< 0.02	2.12	3.46	0.56	2.42	0.25	0.08	0.23	0.02	0.04	0.03	0.06	< 0.01	0.04
KEEZ-046	0.01	1.7	0.654	< 0.5	60	< 3	< 0.05	5.5	0.3	< 0.01	0.04	0.63	< 0.01	< 0.01	0.13	< 0.01	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.03
KEEZ-047	< 0.01	2.0	1.57	< 0.5	80	< 3	< 0.05	1.7	0.3	< 0.01	0.06	0.48	< 0.01	< 0.01	< 0.01	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-048	< 0.01	2.0	0.785	< 0.5	80	< 3	0.27	3.0	0.3	< 0.01	0.02	1.87	2.59	0.48	2.05	0.25	0.09	0.25	0.01	0.02	0.02	0.06	< 0.01	0.09
KEEZ-049	< 0.01	1.5	0.624	< 0.5	50	< 3	< 0.05	2.5	0.3	< 0.01	0.03	1.01	0.85	0.18	0.83	0.05	0.04	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02
KEEZ-050	< 0.01	1.5	0.322	< 0.5	100	< 3	0.58	2.5	0.4	< 0.01	< 0.02	3.24	4.41	0.73	2.86	0.42	0.11	0.35	0.03	0.07	0.02	0.08	< 0.01	0.11
KEEZ-051	< 0.01	1.5	1.42	< 0.5	200	< 3	1.43	12.1	0.9	0.13	0.08	5.75	9.26	1.39	5.79	0.81	0.20	0.77	0.07	0.34	0.08	0.21	0.02	0.23
KEEZ-052	< 0.01	1.7	0.577	< 0.5	260	< 3	2.36	10.1	1.0	0.17	0.08	7.04	9.90	1.71	6.90	1.07	0.25	1.02	0.10	0.51	0.11	0.32	0.04	0.35
KEEZ-053A	< 0.01	1.6	0.517	< 0.5	180	< 3	2.90	10.4	0.5	0.17	< 0.02	8.09	14.5	2.13	8.74	1.36	0.33	1.28	0.14	0.61	0.14	0.44	0.05	0.37
KEEZ-054A	0.01	1.5	0.474	< 0.5	240	< 3	1.49	5.8	0.7	< 0.01	< 0.02	5.57	10.6	1.39	5.30	0.91	0.21	0.79	0.07	0.31	0.07	0.17	0.02	0.19
KEEZ-055	< 0.01	1.9	0.784	< 0.5	620	< 3	2.45	3.7	1.1	< 0.01	0.02	12.3	21.9	2.46	8.77	1.50	0.36	1.48	0.13	0.62	0.11	0.28	0.04	0.27
KEEZ-056	< 0.01	2.6	0.641	< 0.5	1470	< 3	1.28	6.6	2.8	0.04	0.09	8.89	13.6	1.42	4.98	0.85	0.20	0.85	0.08	0.29	0.05	0.14	< 0.01	0.12
KEEZ-057	< 0.01	1.7	0.296	< 0.5	290	< 3	0.58	4.4	0.9	< 0.01	0.02	3.67	7.04	0.79	3.34	0.48	0.10	0.45	0.05	0.15	0.04	0.08	< 0.01	0.09
KEEZ-058	< 0.01	1.5	0.527	< 0.5	140	< 3	< 0.05	1.8	0.5	< 0.01	< 0.02	1.90	2.76	0.31	1.23	0.17	0.05	0.15	< 0.01	< 0.01	< 0.01	0.02	< 0.01	0.03
KEEZ-059	< 0.01	1.7	0.465	< 0.5	230	< 3	0.73	3.6	0.9	< 0.01	0.06	3.38	4.90	0.81	3.16	0.50	0.13	0.45	0.03	0.20	0.04	0.12	0.01	0.14
KEEZ-100A	< 0.01	1.9	0.446	< 0.5	1810	< 3	1.74	6.1	3.2	0.04	0.13	9.51	17.8	1.91	7.39	1.10	0.30	1.08	0.11	0.43	0.09	0.23	0.03	0.19
KEEZ-101	< 0.01	2.5	0.703	< 0.5	260	< 3	1.89	27.6	0.8	0.54	< 0.02	9.52	12.0	1.24	4.03	0.76	0.19	0.86	0.09	0.32	0.06	0.14	< 0.01	0.09
KEEZ-102	< 0.01	2.0	0.350	< 0.5	170	< 3	< 0.05	9.5	0.7	0.11	< 0.02	1.93	2.64	0.28	1.16	0.09	0.04	0.09	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01
KEEZ-103	< 0.01	1.6	0.433	< 0.5	100	< 3	< 0.05	2.7	0.6	< 0.01	0.04	0.71	0.83	0.05	0.29	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-104	< 0.01	2.0	0.453	< 0.5	140	< 3	< 0.05	3.7	0.6	< 0.01	0.04	1.26	1.62	0.16	0.72	0.10	0.02	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-105	0.22	1.7	1.45	59.8	280	< 3	3.82	< 0.1	1.5	< 0.01	0.32	9.96	18.0	2.31	7.21	1.28	0.39	1.23	0.32	0.95	0.17	0.45	0.10	0.38
KEEZ-106	0.08	1.5	0.831	13.4	160	< 3	1.24	< 0.1	1.3	< 0.01	0.26	4.47	7.39	0.96	2.95	0.48	0.14	0.38	0.09	0.23	0.05	0.10	0.02	0.06
KEEZ-107	0.02	2.0	0.274	< 0.5	80	< 3	< 0.05	1.5	0.4	0.04	0.16	1.08	0.88	0.14	0.47	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	0.03	< 0.01	0.02
KEEZ-108	0.05	1.7	0.521	< 0.5	100	< 3	< 0.05	< 0.1	0.7	< 0.01	0.25	0.34	0.04	0.02	0.04	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-109	< 0.01	2.4	0.387	< 0.5	90	< 3	< 0.05	< 0.1	0.3	< 0.01	0.10	0.57	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-110	< 0.01	1.7	0.248	< 0.5	70	< 3	< 0.05	< 0.1	1.0	< 0.01	0.30	0.28	< 0.01	0.03	< 0.01	< 0.01	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-111	< 0.01	2.1	0.769	< 0.5	110	< 3	< 0.05	315	< 0.1	6.51	0.04	0.10	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-112	< 0.01	1.7	0.331	< 0.5	80	< 3	< 0.05	< 0.1	0.3	< 0.01	0.16	0.23	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-113	< 0.01	1.6	0.487	< 0.5	70	< 3	< 0.05	< 0.1	0.4	< 0.01	0.14	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-114	< 0.01	1.7	0.380	< 0.5	90	< 3	< 0.05	< 0.1	0.4	< 0.01	0.24	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-115	< 0.01	1.6	3.60	< 0.5	130	< 3	< 0.05	< 0.1	0.4	< 0.01	0.20	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-116	< 0.01	1.5	1.21	< 0.5	60	< 3	< 0.05	2.4	0.4	0.05	0.17	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-117	< 0.01	1.8	2.19	< 0.5	80	< 3	< 0.05	< 0.1	0.3	< 0.01	0.19	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-118	< 0.01	1.7	1.00	< 0.5	110	< 3	< 0.05	27.1	0.3	0.48	0.21	0.25	< 0.01	< 0.01	< 0.01	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-119	< 0.01	1.8	5.62	< 0.5	150	< 3	< 0.05	6.9	0.4	0.15	0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.11	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-120	0.03	3.0	1.02	8.8	340	9	1.36	0.8	0.2	0.02	0.10	2.67	4.14	0.56	2.11	0.31	0.16	0.39	0.10	0.29	0.07	0.15	0.04	0.15
KEEZ-121	< 0.01	2.7	0.793	1.7	230	< 3	0.94	6.8	1.3	0.28	0.19	1.45	2.57	0.37	1.42	0.19	0.09	0.26	0.06	0.11	0.03	0.14	0.02	0.12
KEEZ-122	< 0.01	1.9	0.412	< 0.5	190	< 3	< 0.05	2.2	0.6	0.06	0.14	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-123	< 0.01	1.6	0.215	< 0.5	220	10	< 0.05	2.3	0.9	0.06	0.09	0.12	0.30	0.10	0.31	0.03	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-124	< 0.01	3.2	0.407	< 0.5	320	9	2.38	14.5	1.2	0.37	0.08	4.45	9.78	1.34	5.06	0.88	0.20	0.72	0.09	0.38	0.08	0.28	0.04	0.27
KEEZ-125	< 0.01	2.0	0.171	< 0.5	460	< 3	< 0.05	3.4	2.3	0.09	0.17	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-126	0.01	2.0	0.351	< 0.5	260	6	< 0.05	0.8	0.7	< 0.01	0.10	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-127	< 0.01	2.8	0.384	< 0.5	220	< 3	< 0.05	1.7	1.4	0.04	0.14	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-128	< 0.01	2.4	0.370	< 0.5	200	4	< 0.05	0.2	0.5	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-129	< 0.01	1.8	0.261	< 0.5	170	16	< 0.05	1.3	0.7	0.03	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-130	< 0.01	1.5	0.231	< 0.5	120	4	< 0.05	0.8	0.6	0.01	0.08	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-131	< 0.01	1.6	0.419	< 0.5	220	8	0.42	2.4	0.7	0.07	0.06	1.71	2.93	0.50	1.81	0.25	0.08	0.17	0.01	0.04	< 0.01	0.06	< 0.01	0.05

Analyte Symbol	In	Sn	Tl	Bi	Ti	Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.01	0.2	0.005	0.5	10	3	0.05	0.1	0.1	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
KEEZ-132A	< 0.01	2.5	0.548	< 0.5	740	< 3	0.69	2.4	1.6	0.08	0.08	4.60	7.75	0.84	3.04	0.47	0.13	0.41	0.04	0.09	0.02	0.08	< 0.01	0.04
KEEZ-133	< 0.01	2.0	0.335	< 0.5	80	< 3	< 0.05	1.1	0.3	0.04	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-139	< 0.01	1.7	0.698	< 0.5	180	< 3	0.72	3.5	0.7	0.12	0.05	0.81	1.63	0.30	1.28	0.13	0.08	0.20	0.01	0.06	0.01	0.13	0.01	0.13
KEEZ-140A	< 0.01	3.1	0.425	< 0.5	1280	6	2.07	10.8	1.9	0.42	0.10	1.40	3.63	0.40	1.83	0.30	0.14	0.45	0.08	0.39	0.08	0.31	0.04	0.26
KEEZ-141A	0.01	4.0	0.984	< 0.5	1980	9	0.52	10.3	1.5	0.33	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.07	< 0.01	< 0.01	0.05	0.01	0.07	< 0.01	0.06
KEEZ-142A	< 0.01	3.7	1.44	< 0.5	650	< 3	0.05	2.3	1.0	0.08	< 0.02	0.04	< 0.01	< 0.01	< 0.01	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01
KEEZ-143A	< 0.01	3.8	1.12	< 0.5	1020	< 3	0.60	6.7	1.7	0.20	0.05	1.28	2.06	0.18	0.66	0.13	0.12	0.10	< 0.01	0.06	< 0.01	0.05	< 0.01	0.07
KEEZ-144A	< 0.01	1.6	0.433	< 0.5	170	< 3	< 0.05	0.7	0.5	< 0.01	0.05	0.26	< 0.01	< 0.01	< 0.01	< 0.01	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-145	< 0.01	1.6	0.300	< 0.5	120	5	< 0.05	1.2	0.4	0.03	0.05	0.99	0.98	0.22	0.91	< 0.01	0.07	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-146	< 0.01	1.6	0.509	< 0.5	150	< 3	< 0.05	1.0	0.6	0.03	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-147	< 0.01	1.7	0.331	< 0.5	100	< 3	< 0.05	0.5	0.3	< 0.01	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-148	< 0.01	2.5	0.963	< 0.5	490	5	< 0.05	0.7	0.2	0.01	0.08	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-149	< 0.01	1.3	0.305	< 0.5	90	< 3	< 0.05	< 0.1	0.3	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-150	< 0.01	2.1	0.200	< 0.5	290	11	< 0.05	0.3	0.4	< 0.01	0.12	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-150-1	< 0.01	1.9	0.185	< 0.5	80	8	< 0.05	0.5	0.3	< 0.01	0.07	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-151	< 0.01	2.5	0.356	< 0.5	180	12	< 0.05	0.8	0.4	0.02	0.08	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-152	< 0.01	1.7	0.277	< 0.5	80	< 3	< 0.05	0.8	0.4	0.02	0.07	0.01	0.01	< 0.01	0.05	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-153	< 0.01	1.5	0.782	< 0.5	200	< 3	0.27	2.7	0.9	0.07	0.09	1.97	3.33	0.55	2.01	0.26	0.07	0.22	0.01	< 0.01	0.01	0.08	< 0.01	0.08
PEN-001	< 0.01	2.3	0.556	< 0.5	820	11	2.62	4.5	1.7	0.17	0.12	8.22	12.8	1.63	6.56	1.17	0.38	1.41	0.15	0.56	0.08	0.25	0.03	0.18
PEN-002	0.01	3.0	0.260	< 0.5	970	37	2.26	18.6	3.1	0.73	0.14	2.85	7.21	1.08	4.76	0.92	0.30	0.90	0.13	0.59	0.10	0.29	0.04	0.31
PEN-002A	< 0.01	4.2	1.98	< 0.5	540	7	0.82	2.2	1.0	0.06	0.02	1.65	3.10	0.25	0.94	0.23	0.10	0.23	0.03	0.13	0.02	0.06	< 0.01	< 0.01
PEN-002B	< 0.01	0.9	0.180	< 0.5	190	25	4.01	11.5	0.3	0.42	< 0.02	3.85	7.99	1.22	5.32	1.26	0.46	1.18	0.19	0.97	0.17	0.49	0.06	0.39
PEN-003	0.05	3.6	1.61	< 0.5	1330	26	10.0	23.0	3.6	0.95	0.16	19.3	39.4	4.97	20.1	4.13	1.28	4.49	0.52	2.43	0.41	1.00	0.11	0.87
PEN-004	< 0.01	2.4	1.00	< 0.5	1410	< 3	1.80	3.9	1.2	0.19	< 0.02	3.57	6.61	0.85	3.59	0.71	0.28	0.75	0.09	0.42	0.07	0.19	0.02	0.14
PEN-005	< 0.01	3.2	0.087	< 0.5	390	20	0.21	2.1	0.8	0.06	< 0.02	1.09	2.24	0.29	1.09	0.17	0.14	0.23	0.02	0.05	< 0.01	0.03	< 0.01	< 0.01
PEN-005A	0.03	4.9	4.05	1.3	1740	10	6.12	8.8	2.6	0.28	0.09	22.2	32.0	3.36	12.0	2.28	1.02	2.61	0.32	1.22	0.18	0.44	0.04	0.29
PEN-006	0.03	4.6	3.14	< 0.5	570	< 3	13.5	6.5	1.0	0.22	< 0.02	44.8	59.3	6.88	23.9	5.41	1.52	6.37	0.76	3.00	0.42	0.93	0.07	0.44
PEN-007	0.02	2.5	0.433	< 0.5	1340	35	20.8	77.3	4.1	2.61	0.13	26.2	67.4	10.6	47.2	9.66	2.20	9.37	1.07	5.09	0.96	2.71	0.34	2.90
PEN-007A	0.03	3.3	0.923	< 0.5	1800	25	12.1	31.7	5.1	1.05	0.22	28.2	59.4	7.67	29.0	5.66	1.41	5.66	0.70	2.90	0.48	1.25	0.14	0.93
PEN-008	< 0.01	1.8	6.20	< 0.5	450	7	14.8	19.4	1.5	0.51	0.05	18.4	25.3	5.32	22.4	4.69	1.27	4.85	0.61	2.84	0.49	1.37	0.16	1.17
PEN-009	< 0.01	2.5	0.440	< 0.5	420	< 3	< 0.05	1.2	0.5	< 0.01	< 0.02	< 0.01	< 0.01	0.05	0.42	0.01	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PEN-009A	< 0.01	4.2	2.43	< 0.5	750	< 3	1.50	3.2	1.3	0.09	< 0.02	3.50	5.58	0.71	2.78	0.53	0.26	0.69	0.06	0.25	0.04	0.10	< 0.01	0.05
PEN-010A	< 0.01	2.7	0.717	< 0.5	1360	< 3	1.35	1.9	1.0	0.06	< 0.02	2.29	3.86	0.50	1.90	0.43	0.23	0.39	0.05	0.30	0.05	0.13	0.02	0.05
PEN-011A	< 0.01	4.4	6.87	< 0.5	1310	4	3.32	3.4	1.0	0.09	< 0.02	9.81	11.6	1.20	4.09	0.83	0.41	1.08	0.12	0.47	0.07	0.18	< 0.01	0.04
PEN-012	< 0.01	2.0	0.211	< 0.5	520	6	6.75	25.9	1.7	0.85	< 0.02	13.9	36.3	3.37	13.5	2.86	0.89	2.63	0.33	1.57	0.28	0.74	0.11	0.66
PEN-013	< 0.01	1.7	0.112	< 0.5	190	< 3	3.40	14.6	0.8	0.47	< 0.02	4.48	14.2	1.54	6.50	1.46	0.50	1.33	0.18	0.79	0.15	0.43	0.07	0.42
PEN-13A	0.02	1.5	0.363	1.8	240	< 3	7.06	20.0	1.0	0.60	< 0.02	10.1	29.5	3.12	13.2	2.95	0.86	2.71	0.35	1.52	0.28	0.83	0.11	0.73
PEN-014	< 0.01	2.7	0.264	< 0.5	70	< 3	0.57	2.0	< 0.1	0.06	< 0.02	1.04	1.76	0.24	0.79	0.24	0.10	0.20	0.03	0.12	0.02	0.05	0.02	0.03
PEN-015	< 0.01	1.1	0.183	< 0.5	60	< 3	< 0.05	2.4	0.7	0.07	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	0.02	0.13	0.01	0.01	< 0.01	< 0.01	0.01	0.01	0.04
PEN-016	< 0.01	1.4	0.980	< 0.5	310	< 3	2.78	4.7	3.2	0.15	0.15	4.18	9.27	1.30	5.44	1.23	0.47	1.07	0.14	0.54	0.10	0.29	0.04	0.22
PEN-017	< 0.01	10.0	0.514	< 0.5	440	< 3	3.31	5.0	3.6	0.14	0.18	4.57	9.93	1.32	5.88	1.28	0.51	1.36	0.16	0.68	0.12	0.33	0.05	0.30
PEN-018	< 0.01	5.4	0.760	< 0.5	940	< 3	2.11	15.7	2.4	0.42	0.05	3.21	9.17	1.05	4.51	1.03	0.37	0.89	0.12	0.47	0.08	0.28	0.04	0.25
PEN-019	< 0.01	1.2	0.302	< 0.5	140	< 3	1.25	12.4	0.7	0.30	< 0.02	2.30	4.45	0.56	2.37	0.53	0.20	0.43	0.05	0.22	0.04	0.15	0.03	0.16
PEN-020	< 0.01	1.4	0.267	< 0.5	60	< 3	< 0.05	0.5	0.5	0.03	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.08	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PEN-021	< 0.01	1.5	0.905	< 0.5	100	< 3	< 0.05	2.5	0.9	0.09	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.30	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PEN-022	< 0.01	0.8	0.797	< 0.5	160	< 3	1.07	5.0	1.1	0.17	0.04	1.06	1.01	0.42	2.01	0.38	0.21	0.37	0.05	0.21	0.04	0.15	0.03	0.17
PEN-023	< 0.01	2.2	0.161	< 0.5	390	< 3	0.53	6.6	1.0	0.25	< 0.02	1.22	3.02	0.44	1.87	0.39	0.16	0.41	0.05	0.19	0.03	0.10	0.03	0.10
PEN-023A	< 0.01	9.7	0.725	< 0.5	860	< 3	5.33	3.5	0.6	0.15	< 0.02	11.3	19.6	2.20	8.85	2.03	0.72	2.04	0.27	1.21	0.21	0.60	0.07	0.43
PEN-023B	< 0.01	2.1	0.110	< 0.5	300	< 3	0.37	3.5	0.6	0.13	< 0.02	1.24	2.72	0.37	1.39	0.32	0.14	0.26	0.04	0.11	0.03	0.07	0.02	0.07
PEN-024	< 0.01	3.7	0.946	< 0.5	600	< 3	0.18	3.5	2.2	0.12	< 0.02	1.11	1.85	0.19	0.76	0.20	0.10	0.14	0.02	0.09	0.02	0.03	0.02	0.02
PEN-025	< 0.01	2.7	0.077	< 0.5	240	< 3	0.21	1.0	< 0.1	0.04	< 0.02	0.54	1.50	0.23	0.87	0.25	0.08	0.20	0.02	0.08	0.02	0.05	0.01	0.03
PEN-25A	< 0.01	10.7	0.746	< 0.5	910	< 3	2.85	4.3	1.0	0.15	< 0.02	9.50	14.6	1.48	5.50	1.27	0.59	1.30	0.17	0.82	0.12	0.29	0.04	0.15

Analyte Symbol	In	Sn	Tl	Bi	Ti	Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.01	0.2	0.005	0.5	10	3	0.05	0.1	0.1	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
PEN-026	< 0.01	6.3	2.77	< 0.5	210	< 3	0.30	3.2	0.2	0.11	< 0.02	1.48	1.96	0.16	0.49	0.10	0.10	0.14	0.02	0.06	< 0.01	0.02	0.01	< 0.01
PEN-027	< 0.01	2.6	0.087	< 0.5	390	< 3	< 0.05	1.9	0.6	0.07	< 0.02	< 0.01	< 0.01	< 0.01	0.01	0.04	0.04	0.01	0.01	0.02	< 0.01	0.03	0.01	< 0.01
PEN-027A	< 0.01	4.9	2.93	< 0.5	370	< 3	2.22	0.8	0.3	0.04	< 0.02	6.55	9.43	0.96	3.38	0.74	0.24	0.76	0.10	0.42	0.08	0.18	0.02	0.09
PEN-28A	< 0.01	8.6	3.71	< 0.5	560	< 3	0.97	1.8	0.8	0.06	< 0.02	5.24	6.64	0.64	2.13	0.47	0.32	0.51	0.06	0.25	0.03	0.08	0.01	0.02
PEN-029	< 0.01	3.0	0.251	< 0.5	740	5	13.5	97.9	3.4	3.05	0.13	24.1	77.3	8.55	35.7	7.77	1.74	6.25	0.80	3.75	0.65	1.99	0.30	2.04
PEN-030	< 0.01	8.0	0.521	< 0.5	780	< 3	2.94	6.2	1.8	0.22	0.04	11.4	23.3	2.34	8.47	1.85	0.42	1.53	0.19	0.75	0.12	0.34	0.05	0.25
PEN-031-1	< 0.01	3.4	1.03	< 0.5	220	< 3	0.99	2.0	0.5	0.07	< 0.02	4.01	6.55	0.63	2.12	0.50	0.13	0.56	0.06	0.28	0.03	0.11	0.01	0.05
PEN-031-2	< 0.01	1.4	0.229	< 0.5	260	< 3	< 0.05	2.5	0.9	0.10	< 0.02	1.19	2.32	0.29	0.98	0.22	0.08	0.22	0.02	0.04	< 0.01	0.02	0.01	0.01
PEN-032	< 0.01	6.4	0.154	< 0.5	1840	< 3	2.95	11.3	4.0	0.36	0.21	8.65	18.0	2.24	8.85	1.70	0.47	1.45	0.16	0.72	0.14	0.43	0.06	0.37
PEN-033	< 0.01	2.9	0.140	< 0.5	150	< 3	2.40	9.3	0.3	0.37	< 0.02	5.30	13.0	1.44	5.62	1.23	0.44	1.06	0.15	0.65	0.12	0.34	0.05	0.32
PEN-034	< 0.01	2.6	0.059	< 0.5	390	< 3	1.09	8.6	0.9	0.34	< 0.02	3.65	8.89	1.17	4.56	0.92	0.29	0.76	0.09	0.37	0.06	0.19	0.04	0.18
PEN-035	< 0.01	1.8	0.093	< 0.5	70	< 3	13.5	24.5	0.1	0.71	< 0.02	31.3	49.2	8.66	34.6	6.50	1.34	5.59	0.69	2.99	0.56	1.60	0.21	1.42
PEN-036	< 0.01	3.8	0.524	< 0.5	130	< 3	0.95	1.2	0.3	0.04	< 0.02	3.84	4.97	0.77	2.73	0.46	0.19	0.45	0.05	0.19	0.04	0.10	0.02	0.06
PEN-037	< 0.01	4.8	0.480	< 0.5	130	< 3	0.36	0.4	0.3	0.02	< 0.02	2.31	2.49	0.31	0.93	0.24	0.07	0.22	0.03	0.10	< 0.01	0.04	< 0.01	< 0.01
PEN-038	< 0.01	5.3	1.63	< 0.5	200	10	0.55	3.6	0.9	0.09	< 0.02	2.20	2.53	0.27	0.84	0.24	0.06	0.24	0.03	0.15	0.02	0.03	0.01	< 0.01
PEN-039	< 0.01	4.1	0.155	< 0.5	60	< 3	< 0.05	0.7	< 0.1	0.04	< 0.02	1.48	1.27	0.14	0.37	0.10	0.09	0.13	0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01
PEN-040A	< 0.01	2.5	0.142	< 0.5	170	< 3	< 0.05	2.7	< 0.1	0.13	< 0.02	0.29	1.49	0.22	0.97	0.24	0.10	0.19	0.02	0.10	0.01	0.05	0.02	0.07
PEN-041A	< 0.01	1.1	0.070	< 0.5	480	< 3	< 0.05	7.3	1.7	0.26	< 0.02	0.28	1.52	0.21	0.98	0.27	0.10	0.16	0.01	0.05	< 0.01	0.03	0.02	0.06
PEN-042	< 0.01	1.8	0.056	< 0.5	350	< 3	1.25	7.1	0.6	0.25	< 0.02	3.38	7.76	0.93	3.44	0.75	0.24	0.65	0.09	0.41	0.07	0.20	0.04	0.15
PEN-043A	< 0.01	3.4	0.010	< 0.5	570	< 3	0.10	5.4	1.3	0.19	< 0.02	1.30	2.47	0.26	0.88	0.19	0.08	0.19	0.03	0.10	0.02	0.06	0.02	0.06
PEN-044	< 0.01	2.0	0.197	< 0.5	360	< 3	3.17	16.9	0.7	0.62	< 0.02	5.23	13.8	1.71	7.10	1.54	0.62	1.37	0.18	0.85	0.18	0.49	0.08	0.51
PEN-045	< 0.01	2.8	0.168	< 0.5	320	< 3	0.95	4.7	0.4	0.17	< 0.02	2.49	5.37	0.63	2.28	0.48	0.17	0.49	0.06	0.27	0.05	0.16	0.03	0.14
PEN-046	< 0.01	2.4	0.104	< 0.5	380	< 3	0.25	8.4	0.5	0.25	< 0.02	1.36	2.81	0.32	1.27	0.25	0.10	0.26	0.03	0.13	0.02	0.10	0.02	0.07
PEN-047	< 0.01	1.9	0.121	< 0.5	360	< 3	1.48	4.5	0.4	0.17	< 0.02	3.02	6.07	0.76	2.77	0.62	0.23	0.59	0.08	0.38	0.07	0.24	0.04	0.19
PEN-048B	< 0.01	2.2	0.117	< 0.5	60	< 3	1.62	3.4	< 0.1	0.14	< 0.02	3.62	11.8	1.20	5.11	1.19	0.33	0.98	0.11	0.52	0.09	0.28	0.05	0.23
PEN-048	< 0.01	2.8	0.099	< 0.5	50	< 3	1.08	6.3	< 0.1	0.18	< 0.02	2.47	6.73	0.77	3.18	0.74	0.21	0.59	0.07	0.31	0.06	0.18	0.03	0.17
PEN-049	< 0.01	2.2	0.081	< 0.5	380	< 3	0.74	2.3	0.6	0.11	< 0.02	1.96	4.90	0.57	2.11	0.50	0.19	0.42	0.06	0.23	0.04	0.13	0.02	0.09
PEN-050	< 0.01	2.5	0.093	< 0.5	780	< 3	1.27	13.2	2.4	0.43	0.03	3.44	9.28	0.83	3.40	0.70	0.26	0.65	0.09	0.38	0.07	0.21	0.03	0.21
PEN-051	< 0.01	3.4	0.112	< 0.5	840	< 3	2.62	6.9	1.2	0.22	0.02	2.74	5.23	0.68	2.44	0.65	0.28	0.68	0.09	0.44	0.09	0.25	0.04	0.17
PEN-052	< 0.01	3.0	0.118	< 0.5	730	< 3	0.13	28.3	1.3	0.69	0.02	0.56	1.89	0.16	0.59	0.14	0.12	0.16	0.02	0.02	< 0.01	0.05	0.02	0.01
PEN-053	< 0.01	3.2	0.101	< 0.5	690	< 3	0.05	4.5	0.7	0.16	< 0.02	< 0.01	0.39	0.01	0.11	0.05	0.06	0.03	< 0.01	0.01	< 0.01	0.01	0.02	0.05
PEN-054	< 0.01	3.7	0.177	< 0.5	720	< 3	1.02	9.4	1.3	0.31	< 0.02	1.08	2.75	0.28	1.40	0.35	0.28	0.26	0.04	0.16	0.03	0.12	0.03	0.13
PEN-055	0.01	3.8	0.175	< 0.5	1800	< 3	0.44	8.3	3.2	0.26	0.13	< 0.01	0.20	< 0.01	0.08	0.09	0.08	0.03	0.02	0.11	0.01	0.12	0.04	0.13
PEN-056	< 0.01	3.3	0.203	< 0.5	300	< 3	3.95	15.4	0.3	0.61	< 0.02	6.92	18.6	2.00	7.84	1.81	0.57	1.51	0.19	0.83	0.14	0.42	0.07	0.38
PEN-057	0.02	4.5	0.152	< 0.5	390	< 3	3.39	8.3	0.4	0.31	< 0.02	7.13	17.7	2.01	7.78	1.79	0.45	1.51	0.17	0.69	0.13	0.35	0.07	0.34
PEN-058	0.01	4.8	0.222	< 0.5	1060	< 3	6.47	32.0	2.8	1.18	0.04	12.5	30.4	3.51	13.1	2.61	0.70	2.60	0.29	1.51	0.25	0.74	0.11	0.74
PEN-059	0.02	21.2	0.260	4.3	500	< 3	1.31	9.4	1.0	0.25	< 0.02	2.46	3.82	0.50	1.86	0.44	0.13	0.36	0.04	0.17	0.02	0.10	0.03	0.08
PEN-060	< 0.01	16.4	0.183	< 0.5	150	< 3	< 0.05	2.9	0.9	0.08	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01
PEN-061	< 0.01	5.1	0.613	< 0.5	220	< 3	< 0.05	2.3	0.9	0.07	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PEN-062	< 0.01	23.6	0.174	< 0.5	170	< 3	< 0.05	1.3	0.3	0.02	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PEN-063	< 0.01	62.1	0.214	< 0.5	650	< 3	< 0.05	4.2	2.8	0.15	0.17	0.81	1.75	0.26	1.17	0.32	0.27	0.18	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01
L-1	0.01	6.8	0.261	< 0.5	550	< 3	< 0.05	5.4	2.4	0.14	0.17	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01
L-2	< 0.01	6.0	1.01	< 0.5	250	< 3	< 0.05	2.1	1.0	0.08	0.07	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01
L-3	< 0.01	4.6	0.668	< 0.5	180	< 3	< 0.05	0.8	0.6	0.03	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
L-4	< 0.01	4.7	1.57	< 0.5	240	< 3	< 0.05	0.8	1.1	0.02	0.08	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
L-5	0.01	16.3	0.969	< 0.5	160	< 3	< 0.05	0.2	0.6	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
L-6	< 0.01	6.4	0.567	< 0.5	230	< 3	< 0.05	0.7	0.5	0.03	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
L-7	< 0.01	4.8	2.82	< 0.5	280	< 3	< 0.05	0.6	0.9	0.03	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
L-8	< 0.01	131	3.04	< 0.5	310	< 3	< 0.05	0.4	0.2	0.03	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
L-9	< 0.01	10.9	0.548	< 0.5	170	< 3	< 0.05	0.7	0.6	0.01	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
L-10	< 0.01	7.2	1.31	< 0.5	410	< 3	< 0.05	0.8	0.7	0.03	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
L-11	< 0.01	5.2	0.548	< 0.5	940	< 3	< 0.05	1.6	3.7	0.06	0.20	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Analyte Symbol	In	Sn	Tl	Bi	Ti	Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.01	0.2	0.005	0.5	10	3	0.05	0.1	0.1	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
L-12	< 0.01	5.2	0.471	< 0.5	170	< 3	< 0.05	0.7	0.9	0.02	0.07	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
L-13	< 0.01	4.8	0.370	< 0.5	80	< 3	< 0.05	0.4	0.1	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
L-14	< 0.01	128	0.399	< 0.5	200	< 3	< 0.05	1.5	0.9	0.06	0.09	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.08	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
L-15	< 0.01	7.5	0.383	< 0.5	210	< 3	< 0.05	3.1	1.0	0.09	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
L-16	< 0.01	4.4	0.245	< 0.5	440	< 3	8.59	38.1	1.2	0.86	0.06	12.7	21.6	3.77	14.9	3.00	0.51	2.45	0.28	1.31	0.25	0.73	0.12	0.83
L-17	< 0.01	70.9	0.791	< 0.5	370	< 3	1.83	4.6	0.7	0.18	< 0.02	4.57	6.27	1.03	3.91	0.80	0.22	0.62	0.06	0.26	0.04	0.14	0.03	0.11
L-18	< 0.01	8.4	6.13	< 0.5	270	< 3	< 0.05	1.0	0.4	0.02	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01
L-19	< 0.01	6.8	5.62	< 0.5	220	< 3	< 0.05	0.7	0.1	0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
L-20	< 0.01	6.4	1.00	< 0.5	250	< 3	< 0.05	0.9	0.4	0.04	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
L-21	< 0.01	10.1	0.794	< 0.5	250	< 3	< 0.05	0.8	0.3	0.03	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01
L-22	< 0.01	171	2.20	< 0.5	330	< 3	< 0.05	1.6	0.5	0.06	< 0.02	0.16	< 0.01	< 0.01	< 0.01	< 0.01	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01
L-23	< 0.01	65.5	0.988	< 0.5	400	< 3	< 0.05	1.6	0.1	0.05	< 0.02	0.78	< 0.01	< 0.01	< 0.01	< 0.01	0.09	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01
L-24	< 0.01	86.3	1.12	< 0.5	430	< 3	1.34	1.8	0.7	0.05	0.03	1.83	2.70	0.25	0.94	0.25	0.11	0.32	0.04	0.16	0.02	0.06	0.02	0.03
L-25	< 0.01	75.8	0.951	< 0.5	600	< 3	0.44	0.6	1.2	< 0.01	0.08	0.25	0.36	< 0.01	< 0.01	0.01	0.16	0.07	< 0.01	< 0.01	< 0.01	0.01	0.02	< 0.01
L-26	< 0.01	71.1	1.23	< 0.5	550	< 3	0.52	0.9	0.6	0.04	0.03	0.40	0.72	0.07	0.09	0.01	0.15	0.04	< 0.01	< 0.01	< 0.01	0.02	0.02	< 0.01
L-27	< 0.01	117	0.493	< 0.5	280	< 3	< 0.05	0.8	0.4	0.03	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.07	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01
L-28	< 0.01	70.7	0.690	< 0.5	250	< 3	< 0.05	0.3	0.3	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
L-29	< 0.01	60.0	10.5	< 0.5	310	< 3	< 0.05	0.2	0.2	0.02	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
L-30	< 0.01	19.6	1.38	< 0.5	250	< 3	< 0.05	0.2	0.1	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
L-31	< 0.01	62.6	3.56	< 0.5	430	< 3	< 0.05	0.4	0.3	0.01	< 0.02	0.05	< 0.01	< 0.01	< 0.01	< 0.01	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01
L-32	< 0.01	18.0	0.409	< 0.5	240	< 3	< 0.05	0.2	0.6	0.03	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
L-33	< 0.01	20.7	8.22	< 0.5	370	< 3	< 0.05	0.3	< 0.1	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
L-34	< 0.01	13.0	0.741	4.2	160	< 3	0.88	< 0.1	0.5	< 0.01	0.05	1.18	1.78	0.30	1.01	0.29	0.14	0.17	0.04	0.22	0.03	0.07	0.02	0.04
L-35	< 0.01	20.2	0.353	6.3	340	< 3	< 0.05	< 0.1	1.2	< 0.01	0.08	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.12	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01
L-36	< 0.01	15.6	0.414	< 0.5	210	< 3	< 0.05	< 0.1	1.2	< 0.01	0.12	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
L-37	< 0.01	18.2	0.572	2.8	810	< 3	< 0.05	< 0.1	3.2	< 0.01	0.11	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.09	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01
L-38	< 0.01	28.1	0.228	< 0.5	140	< 3	< 0.05	1.3	0.7	0.02	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
L-39	< 0.01	14.6	0.129	< 0.5	120	< 3	6.93	21.1	0.4	0.63	0.02	18.4	42.7	5.66	21.7	3.79	0.83	3.46	0.36	1.67	0.31	0.92	0.16	0.98
L-40	< 0.01	17.1	0.188	< 0.5	130	< 3	6.72	21.2	0.5	0.63	< 0.02	16.2	31.3	4.76	17.8	3.20	0.68	2.81	0.32	1.49	0.29	0.80	0.14	0.84
L-41	< 0.01	14.0	0.414	< 0.5	570	< 3	3.40	17.5	1.6	0.59	0.09	6.49	12.4	1.75	6.70	1.21	0.33	1.09	0.12	0.64	0.13	0.46	0.07	0.43
L-42	< 0.01	17.4	0.210	< 0.5	290	< 3	< 0.05	< 0.1	1.5	< 0.01	0.09	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
L-43	< 0.01	6.4	0.394	< 0.5	1540	< 3	< 0.05	3.3	3.6	0.11	0.17	2.03	4.41	0.56	1.86	0.30	0.14	0.21	< 0.01	< 0.01	< 0.01	< 0.01	0.02	0.04
L-44	< 0.01	4.1	0.466	< 0.5	400	< 3	0.70	3.7	1.0	0.11	0.04	3.27	6.37	0.99	3.69	0.62	0.18	0.53	0.04	0.18	0.03	0.12	0.04	0.16
L-45	< 0.01	3.1	0.247	< 0.5	100	< 3	< 0.05	2.5	0.3	0.12	< 0.02	0.20	0.33	0.15	0.45	0.07	0.05	< 0.01	< 0.01	< 0.01	< 0.01	0.01	0.02	0.05
L-46	< 0.01	8.9	0.701	< 0.5	60	< 3	< 0.05	< 0.1	0.3	0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
G2-1	0.02	26.1	0.209	1.8	330	< 3	5.28	5.9	1.3	0.20	0.06	1.49	1.92	0.47	2.10	0.65	7.85	0.85	0.08	0.63	0.12	0.36	0.08	0.41
G2-2	< 0.01	21.3	0.210	< 0.5	240	< 3	3.75	6.5	0.9	0.17	0.06	0.19	< 0.01	0.11	0.77	0.37	7.92	0.55	0.03	0.38	0.09	0.27	0.06	0.26
G2-3	< 0.01	25.9	1.86	< 0.5	370	< 3	< 0.05	< 0.1	0.7	0.01	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.13	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	0.02
G2-4	0.01	237	2.26	< 0.5	430	< 3	0.94	< 0.1	0.6	< 0.01	0.03	1.43	0.79	0.07	0.10	0.11	0.12	0.08	0.01	0.15	0.01	< 0.01	0.02	0.02
G2-5	< 0.01	33.0	1.31	< 0.5	390	< 3	2.11	< 0.1	0.6	< 0.01	< 0.02	3.43	3.87	0.37	0.92	0.26	0.16	0.44	0.05	0.34	0.04	0.10	0.03	0.03
G2-6	< 0.01	131	1.14	< 0.5	270	< 3	< 0.05	< 0.1	0.6	0.04	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	3.79	< 0.01	< 0.01	0.19	< 0.01	< 0.01	0.05	< 0.01
G2-7	< 0.01	53.3	1.53	< 0.5	290	< 3	1.36	< 0.1	0.4	< 0.01	< 0.02	0.77	0.56	0.06	0.06	0.08	0.21	0.22	0.02	0.15	0.03	0.06	0.03	0.03
G2-9	< 0.01	173	3.03	< 0.5	310	< 3	3.62	< 0.1	0.4	0.02	< 0.02	7.12	9.54	1.05	3.19	0.83	0.28	1.01	0.11	0.64	0.10	0.17	0.04	0.08
G2-10	< 0.01	220	0.456	< 0.5	150	< 3	0.20	< 0.1	< 0.1	< 0.01	< 0.02	0.76	0.34	0.03	< 0.01	0.02	0.12	0.05	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01
G2-11	< 0.01	92.5	0.687	< 0.5	220	< 3	0.89	1.3	0.2	0.06	< 0.02	1.61	1.87	0.17	0.43	0.16	0.07	0.20	0.03	0.19	0.02	0.01	0.02	0.02
G2-11B	0.02	68.6	0.415	< 0.5	350	< 3	6.48	10.0	0.6	0.19	0.02	4.13	5.02	0.69	2.70	0.85	9.02	1.18	0.15	0.95	0.17	0.49	0.08	0.38
G2-12	0.02	48.5	1.43	3.0	460	< 3	1.42	7.4	1.6	0.31	0.08	0.89	1.75	0.28	1.15	0.29	0.20	0.27	0.01	0.22	0.04	0.05	0.04	0.11
G2-13	< 0.01	42.6	1.55	< 0.5	300	< 3	1.45	< 0.1	0.5	< 0.01	< 0.02	1.14	1.71	0.22	0.66	0.26	0.12	0.31	0.04	0.22	0.03	0.04	0.03	0.02
G2-14	< 0.01	32.0	0.474	< 0.5	310	< 3	0.37	1.1	0.6	0.03	< 0.02	< 0.01	< 0.01	0.03	< 0.01	0.09	0.07	< 0.01	0.02	0.09	< 0.01	0.01	0.03	0.03
G2-15	< 0.01	29.8	0.454	< 0.5	430	< 3	3.03	4.6	1.4	0.14	0.07	3.24	6.71	0.93	3.22	0.79	0.24	0.82	0.11	0.56	0.09	0.28	0.05	0.23
G2-15B	< 0.01	9.8	0.152	< 0.5	260	< 3	< 0.05	< 0.1	0.6	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	0.01
G2-16	0.07	29.1	0.684	< 0.5	330	< 3	2.79	5.9	0.9	0.21	< 0.02	3.30	6.63	0.87	3.09	0.77	0.22	0.72	0.09	0.54	0.09	0.26	0.05	0.28

Analyte Symbol	In	Sn	Tl	Bi	Ti	Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.01	0.2	0.005	0.5	10	3	0.05	0.1	0.1	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
G2-17	0.05	24.8	0.539	< 0.5	260	< 3	1.08	1.8	0.6	0.08	< 0.02	0.84	1.56	0.24	0.80	0.17	0.10	0.19	0.03	0.21	0.03	0.07	0.03	0.10
G2-18	0.09	39.3	1.87	2.9	270	< 3	3.81	5.7	0.9	0.20	< 0.02	2.50	5.91	0.78	3.10	0.91	0.24	0.88	0.13	0.70	0.12	0.35	0.07	0.36
G2-19	< 0.01	45.5	1.36	< 0.5	360	< 3	0.43	< 0.1	0.5	0.03	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.05	0.03	< 0.01	0.08	0.01	< 0.01	0.02	< 0.01
G2-19B	0.02	41.4	0.855	< 0.5	210	< 3	0.41	< 0.1	0.4	< 0.01	< 0.02	0.22	< 0.01	< 0.01	< 0.01	0.03	0.06	0.05	< 0.01	0.06	< 0.01	< 0.01	0.02	0.02
G2-20	< 0.01	43.8	0.981	< 0.5	200	< 3	0.55	< 0.1	0.1	< 0.01	< 0.02	1.26	1.29	0.15	0.37	0.17	0.11	0.09	0.02	0.04	< 0.01	< 0.01	0.02	0.01
G2-21	< 0.01	6.5	1.54	< 0.5	690	< 3	< 0.05	1.1	2.0	0.04	0.11	0.43	0.99	0.19	0.46	0.05	0.14	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01
G2-22	< 0.01	34.1	1.74	< 0.5	280	< 3	0.49	1.8	0.7	0.09	< 0.02	2.02	3.96	0.54	1.64	0.34	0.16	0.23	0.02	0.03	< 0.01	0.05	0.02	0.03
G2-23	< 0.01	22.8	0.407	< 0.5	280	< 3	< 0.05	< 0.1	0.4	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01
G2-24	< 0.01	45.5	2.38	< 0.5	420	< 3	1.08	7.7	1.3	0.24	0.06	1.67	2.55	0.46	1.78	0.37	0.17	0.23	0.04	0.20	0.02	0.06	0.02	0.15
G2-25	< 0.01	39.7	0.578	< 0.5	300	< 3	< 0.05	< 0.1	0.6	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01
G2-26	< 0.01	37.8	0.492	< 0.5	160	< 3	< 0.05	< 0.1	0.7	< 0.01	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
G2-27	< 0.01	21.9	0.390	< 0.5	270	< 3	< 0.05	< 0.1	0.4	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
G2-28	< 0.01	16.5	0.509	< 0.5	190	< 3	< 0.05	< 0.1	0.2	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
G2-29	< 0.01	5.8	1.19	< 0.5	520	< 3	1.76	4.0	2.0	0.14	0.07	5.01	10.5	1.48	5.47	0.82	0.27	0.66	0.07	0.29	0.06	0.19	0.05	0.20
G2-30	< 0.01	29.3	1.08	< 0.5	470	< 3	1.68	3.9	2.1	0.14	0.12	4.97	7.26	1.22	4.25	0.58	0.29	0.59	0.04	0.21	0.04	0.09	0.04	0.17
G2-31	< 0.01	6.6	1.47	< 0.5	290	< 3	0.43	0.9	1.3	0.06	0.07	2.48	4.47	0.62	2.31	0.20	0.17	0.27	< 0.01	0.05	0.01	0.03	0.04	0.05
G2-31B	0.17	19.2	1.11	6.2	350	< 3	4.49	3.3	0.8	< 0.01	0.05	7.86	12.5	1.70	5.62	1.00	0.26	1.00	0.19	0.77	0.15	0.32	0.04	0.15
G2-32	0.05	32.8	0.864	< 0.5	210	13	1.32	1.0	0.8	< 0.01	0.05	2.12	3.35	0.41	1.34	0.12	0.03	0.16	0.03	0.14	0.02	0.03	< 0.01	< 0.01
G2-33	0.01	19.4	0.650	< 0.5	350	< 3	0.75	1.9	1.4	< 0.01	0.08	2.23	3.11	0.35	1.11	0.01	0.01	0.03	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01
G2-33B	< 0.01	3.6	0.139	< 0.5	140	< 3	0.57	1.1	0.9	< 0.01	0.11	1.60	2.42	0.31	0.99	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
G2-34	< 0.01	21.2	0.864	< 0.5	310	< 3	0.68	1.6	1.1	< 0.01	0.08	1.50	2.33	0.26	0.71	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
G2-35	0.03	17.5	2.17	< 0.5	490	35	3.32	3.4	1.5	< 0.01	0.14	5.76	9.15	1.00	3.36	0.66	0.14	0.72	0.10	0.50	0.07	0.16	< 0.01	< 0.01
G2-36	< 0.01	18.4	1.39	< 0.5	280	42	1.55	4.9	1.3	< 0.01	0.10	3.00	5.60	0.64	2.25	0.22	0.07	0.21	0.01	0.10	0.02	0.02	< 0.01	< 0.01
G2-37	< 0.01	8.6	1.24	< 0.5	330	47	1.59	3.8	1.3	< 0.01	0.09	2.18	3.44	0.42	1.45	0.08	0.03	0.14	0.02	0.10	0.01	0.03	< 0.01	< 0.01
G2-38	< 0.01	4.6	1.91	< 0.5	470	34	1.68	7.1	2.0	0.01	0.16	3.06	4.56	0.65	2.32	0.22	0.09	0.22	0.02	0.14	0.02	0.07	< 0.01	< 0.01
G2-40	< 0.01	14.8	2.64	< 0.5	310	< 3	2.74	1.9	0.8	< 0.01	0.05	3.75	5.69	0.59	1.90	0.37	0.08	0.40	0.06	0.32	0.05	0.08	< 0.01	< 0.01
G2-41	< 0.01	21.8	0.919	< 0.5	220	< 3	1.46	1.4	0.7	< 0.01	0.04	2.19	3.39	0.37	1.39	0.10	0.02	0.13	0.02	0.10	0.02	0.02	< 0.01	< 0.01
G2-42	< 0.01	10.4	0.642	< 0.5	270	< 3	0.80	1.2	0.5	< 0.01	0.05	1.42	1.96	0.25	0.76	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
G2-43	< 0.01	22.0	1.67	< 0.5	310	38	1.59	2.4	0.9	< 0.01	0.06	2.11	3.29	0.39	1.29	0.14	0.05	0.13	0.01	0.16	0.01	0.03	< 0.01	< 0.01
G2-44	< 0.01	4.0	0.648	< 0.5	240	< 3	0.76	1.4	1.0	< 0.01	0.11	1.73	2.61	0.34	1.07	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
G2-44B	< 0.01	15.4	0.544	< 0.5	460	14	0.72	2.4	1.1	< 0.01	0.09	1.27	1.94	0.22	0.76	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
G2-45	< 0.01	18.4	1.43	< 0.5	190	< 3	0.49	0.6	0.4	< 0.01	0.02	0.90	1.36	0.14	0.37	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
G2-46	< 0.01	11.3	0.789	< 0.5	230	< 3	0.56	2.1	0.9	< 0.01	0.07	1.38	2.10	0.25	0.89	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
G2-47	< 0.01	9.9	1.14	< 0.5	240	< 3	1.67	1.0	0.5	< 0.01	0.03	2.83	4.01	0.44	1.40	0.08	0.04	0.26	0.03	0.14	0.02	0.01	< 0.01	< 0.01
G2-48	< 0.01	13.2	1.27	< 0.5	270	< 3	1.23	3.5	1.0	< 0.01	0.05	1.85	2.79	0.35	1.25	0.09	0.06	0.10	< 0.01	0.04	< 0.01	< 0.01	< 0.01	< 0.01
G2-49	< 0.01	15.9	0.570	< 0.5	190	< 3	0.54	0.4	0.5	< 0.01	0.02	0.94	1.38	0.13	0.43	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
G2-50	< 0.01	12.6	0.359	< 0.5	220	< 3	0.08	0.1	0.5	< 0.01	< 0.02	0.14	0.20	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-001A	< 0.01	7.8	1.43	< 0.5	620	< 3	1.73	8.6	0.9	0.09	0.04	2.70	4.70	0.49	1.87	0.18	0.11	0.23	0.02	0.14	0.02	0.07	< 0.01	< 0.01
OC-002	< 0.01	2.8	0.505	< 0.5	1790	< 3	2.24	6.9	1.6	0.07	0.05	2.96	6.41	0.83	3.03	0.46	0.14	0.44	0.05	0.30	0.05	0.19	< 0.01	0.01
OC-003	< 0.01	3.2	0.296	< 0.5	2040	< 3	2.51	5.2	2.1	0.04	0.07	3.91	8.27	1.05	3.66	0.54	0.20	0.61	0.06	0.38	0.06	0.20	< 0.01	0.06
OC-004	0.01	3.1	0.183	< 0.5	710	10	5.82	11.6	1.4	0.28	0.10	11.4	21.7	2.65	9.65	1.81	0.52	1.77	0.24	1.33	0.22	0.60	0.05	0.40
OC-005	< 0.01	3.4	0.052	< 0.5	200	< 3	0.83	1.3	1.2	< 0.01	0.13	2.71	4.57	0.44	1.42	0.08	0.04	0.09	< 0.01	0.05	< 0.01	< 0.01	< 0.01	< 0.01
OC-006	< 0.01	4.7	0.626	< 0.5	150	< 3	0.32	1.3	1.0	< 0.01	0.13	1.44	2.22	0.16	0.45	< 0.01	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-007	< 0.01	17.1	0.397	< 0.5	80	< 3	0.14	0.8	0.8	< 0.01	0.17	0.50	0.83	0.06	0.11	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-008	< 0.01	19.2	0.160	< 0.5	90	< 3	0.24	1.6	0.7	< 0.01	0.13	0.49	0.86	0.07	0.13	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-009	< 0.01	5.5	0.819	< 0.5	330	< 3	0.31	2.8	0.9	< 0.01	0.13	2.16	3.34	0.28	0.61	< 0.01	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-010	< 0.01	2.5	0.112	< 0.5	360	< 3	9.40	49.0	1.7	1.24	0.18	18.8	31.1	5.59	22.5	3.78	0.82	3.48	0.41	2.08	0.41	1.23	0.15	1.23
OC-011	< 0.01	3.1	0.166	< 0.5	1480	< 3	2.99	10.9	1.9	0.24	0.11	5.08	8.92	1.24	4.79	0.84	0.31	0.86	0.09	0.52	0.10	0.28	0.02	0.18
OC-012	< 0.01	4.6	0.010	< 0.5	170	< 3	7.12	16.8	1.4	0.33	0.12	11.0	28.1	3.69	14.4	2.68	0.58	2.43	0.31	1.48	0.25	0.79	0.08	0.50
OC-012A	< 0.01	2.3	0.354	< 0.5	190	< 3	1.26	3.0	1.4	< 0.01	0.14	3.49	6.32	0.76	2.52	0.26	0.07	0.25	0.02	0.10	< 0.01	0.02	< 0.01	< 0.01
OC-013	< 0.01	3.9	0.195	< 0.5	260	< 3	1.35	3.6	1.9	< 0.01	0.21	3.07	4.59	0.61	2.06	0.18	0.08	0.23	0.02	0.12	0.02	0.04	< 0.01	< 0.01
OC-014	< 0.01	4.2	0.564	< 0.5	540	< 3	7.71	22.5	2.6	0.53	0.31	13.6	29.5	3.80	14.9	2.70	0.64	2.74	0.34	1.65	0.31	0.89	0.10	0.81

Analyte Symbol	In	Sn	Tl	Bi	Ti	Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.01	0.2	0.005	0.5	10	3	0.05	0.1	0.1	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
OC-015	< 0.01	4.6	0.192	< 0.5	210	< 3	1.84	5.3	1.2	< 0.01	0.14	3.56	5.99	0.80	2.69	0.29	0.09	0.35	0.04	0.23	0.03	0.09	< 0.01	0.02
OC-016	< 0.01	4.4	0.082	< 0.5	1280	< 3	2.94	12.9	2.4	0.31	0.13	4.99	12.3	1.62	5.93	1.05	0.33	0.95	0.12	0.58	0.09	0.30	0.01	0.22
OC-017	< 0.01	3.1	0.306	< 0.5	1040	< 3	4.50	11.4	1.6	0.27	0.06	8.43	16.0	1.83	7.02	1.36	0.43	1.32	0.17	0.91	0.16	0.47	0.04	0.31
OC-018	< 0.01	3.1	0.226	< 0.5	270	23	4.41	34.8	0.7	1.03	0.02	8.91	16.9	1.90	7.04	1.24	0.47	1.24	0.17	1.03	0.16	0.46	0.03	0.24
OC-019	< 0.01	5.4	0.209	< 0.5	160	< 3	1.14	2.5	1.0	< 0.01	0.10	3.12	5.23	0.60	1.92	0.19	0.07	0.15	< 0.01	0.07	< 0.01	0.01	< 0.01	< 0.01
OC-020	< 0.01	12.2	0.501	< 0.5	110	< 3	0.28	1.5	0.9	< 0.01	0.12	0.69	1.15	0.11	0.27	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-021	< 0.01	13.7	0.513	< 0.5	110	< 3	0.23	1.1	0.8	< 0.01	0.10	0.42	0.74	0.05	0.17	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-022	< 0.01	9.7	0.244	< 0.5	230	< 3	0.28	1.1	0.7	< 0.01	0.12	0.97	1.70	0.15	0.57	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-023	< 0.01	7.6	0.534	< 0.5	300	< 3	0.39	1.9	0.6	< 0.01	0.09	1.30	1.88	0.19	0.47	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-024	< 0.01	4.1	0.167	< 0.5	250	< 3	0.22	1.7	0.4	< 0.01	0.11	1.63	2.61	0.16	0.38	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-025	0.16	12.2	0.121	107	120	4	1.48	0.6	< 0.1	0.04	< 0.02	3.63	5.13	0.84	2.47	0.59	0.19	0.58	0.18	0.38	0.10	0.15	0.05	0.16
OC-026	0.06	10.3	0.500	< 0.5	130	< 3	< 0.05	1.2	< 0.1	0.04	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-027	< 0.01	3.1	0.120	< 0.5	30	< 3	< 0.05	0.7	0.2	0.02	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-028	< 0.01	8.4	0.103	< 0.5	20	< 3	< 0.05	0.5	< 0.1	0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-029	< 0.01	3.1	0.284	< 0.5	90	< 3	< 0.05	2.3	0.7	0.07	0.06	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-030	< 0.01	9.1	0.086	< 0.5	60	< 3	< 0.05	1.1	< 0.1	0.04	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-031	< 0.01	8.4	0.134	< 0.5	40	< 3	< 0.05	4.5	0.2	0.08	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-032	< 0.01	8.4	0.099	< 0.5	40	< 3	< 0.05	4.1	< 0.1	0.12	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-033	< 0.01	7.2	0.070	< 0.5	390	< 3	< 0.05	7.5	1.0	0.17	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02
OC-034	< 0.01	5.6	0.109	< 0.5	210	< 3	1.79	14.0	0.7	0.50	< 0.02	3.31	9.84	1.12	4.57	0.98	0.26	0.97	0.07	0.52	0.09	0.25	0.02	0.26
OC-035	< 0.01	4.0	0.034	< 0.5	100	< 3	0.26	10.1	0.6	0.31	0.03	1.39	4.58	0.49	2.06	0.45	0.07	0.31	< 0.01	0.13	< 0.01	0.05	< 0.01	0.07
OC-036	< 0.01	7.6	0.340	< 0.5	50	< 3	< 0.05	2.2	0.2	0.04	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-037	< 0.01	8.0	0.303	< 0.5	60	< 3	< 0.05	0.3	< 0.1	0.02	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-038	< 0.01	6.8	0.632	< 0.5	310	< 3	< 0.05	3.1	1.4	0.11	0.08	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-039	< 0.01	5.1	0.304	< 0.5	100	< 3	< 0.05	1.0	1.0	0.03	0.09	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-040	< 0.01	4.4	0.407	< 0.5	80	< 3	< 0.05	1.4	1.4	0.08	0.13	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-041	< 0.01	2.1	0.067	< 0.5	30	< 3	< 0.05	0.3	< 0.1	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-042	< 0.01	8.6	0.171	< 0.5	70	< 3	< 0.05	2.5	0.5	0.06	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-043	< 0.01	7.9	0.399	< 0.5	80	< 3	< 0.05	4.3	1.0	0.15	0.09	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-044	< 0.01	7.8	0.220	< 0.5	40	< 3	< 0.05	3.5	0.1	0.11	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-045	< 0.01	5.1	0.070	< 0.5	330	< 3	< 0.05	8.2	1.4	0.27	0.06	< 0.01	0.48	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.06
OC-046	< 0.01	1.6	0.185	< 0.5	370	< 3	2.28	12.3	0.8	0.52	< 0.02	3.05	6.63	0.81	3.01	0.67	0.30	0.65	0.06	0.55	0.09	0.31	0.03	0.34
OC-047	< 0.01	1.8	0.185	< 0.5	380	< 3	3.19	17.0	0.9	0.55	< 0.02	4.50	9.77	1.15	5.27	1.14	0.36	1.00	0.10	0.74	0.13	0.40	0.04	0.42
OC-048	< 0.01	1.1	0.176	< 0.5	240	< 3	3.58	5.2	0.4	0.21	< 0.02	6.43	14.6	1.77	6.78	1.29	0.37	1.25	0.10	0.75	0.13	0.35	0.03	0.41
OC-049	< 0.01	1.5	0.165	< 0.5	130	< 3	0.86	5.2	0.3	0.22	< 0.02	2.94	6.08	0.63	2.60	0.53	0.20	0.40	0.01	0.26	0.03	0.11	< 0.01	0.14
OC-050	< 0.01	3.6	0.142	< 0.5	190	< 3	1.76	3.8	0.5	0.19	< 0.02	4.84	10.4	1.18	4.53	0.77	0.23	0.69	0.04	0.41	0.05	0.21	0.02	0.20
OC-051	< 0.01	1.5	0.328	< 0.5	360	< 3	1.02	4.9	0.9	0.24	< 0.02	3.64	8.06	0.91	3.32	0.73	0.21	0.67	0.04	0.34	0.04	0.15	< 0.01	0.16
OC-052	< 0.01	5.5	0.177	< 0.5	380	< 3	0.15	5.5	1.2	0.23	< 0.02	1.82	3.99	0.35	1.30	0.26	0.08	0.15	< 0.01	0.10	< 0.01	0.04	< 0.01	0.06
OC-053	< 0.01	7.8	0.157	< 0.5	100	< 3	1.80	7.3	0.5	0.20	< 0.02	5.07	9.50	1.21	4.17	0.77	0.15	0.73	0.03	0.35	0.06	0.22	0.02	0.27
OC-054	< 0.01	3.8	0.293	< 0.5	310	< 3	< 0.05	1.1	1.6	0.04	0.11	0.46	0.41	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-055	< 0.01	5.8	0.012	< 0.5	330	< 3	< 0.05	5.3	1.1	0.15	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-056	< 0.01	9.2	0.451	< 0.5	90	< 3	< 0.05	1.9	0.2	0.06	< 0.02	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-057	< 0.01	3.2	0.878	< 0.5	260	< 3	0.84	8.7	1.4	0.25	0.06	2.36	3.34	0.49	1.86	0.34	0.08	0.27	< 0.01	0.11	0.02	0.08	< 0.01	0.10
OC-058	< 0.01	2.8	0.191	< 0.5	170	< 3	< 0.05	5.2	1.3	0.15	0.11	0.56	0.11	0.03	0.15	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02
OC-059	< 0.01	7.5	0.236	< 0.5	40	< 3	< 0.05	0.3	< 0.1	0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-060	< 0.01	2.0	0.050	< 0.5	30	< 3	< 0.05	1.2	0.2	0.04	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-061	< 0.01	5.8	0.263	< 0.5	120	< 3	< 0.05	0.4	0.3	0.02	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-062	< 0.01	3.3	0.491	< 0.5	60	< 3	< 0.05	0.4	0.2	0.02	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-063	< 0.01	3.0	0.201	< 0.5	220	< 3	< 0.05	0.8	1.7	0.04	0.17	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-001	< 0.01	7.1	0.148	< 0.5	40	< 3	< 0.05	0.9	0.3	0.03	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-002	< 0.01	8.7	0.051	< 0.5	190	< 3	< 0.05	9.5	1.1	0.24	0.05	0.09	0.41	0.07	0.38	0.08	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.04
Sb-003	< 0.01	7.8	0.418	< 0.5	40	< 3	< 0.05	3.3	0.2	0.07	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Analyte Symbol	In	Sn	Tl	Bi	Ti	Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.01	0.2	0.005	0.5	10	3	0.05	0.1	0.1	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
Sb-004	< 0.01	6.4	0.160	< 0.5	50	< 3	5.51	15.4	0.2	0.42	0.02	10.4	7.05	3.17	12.7	2.32	0.40	2.02	0.21	1.14	0.22	0.76	0.09	0.76
Sb-005	< 0.01	2.1	0.194	< 0.5	250	< 3	0.65	5.4	0.4	0.23	< 0.02	1.43	0.95	0.32	1.30	0.18	0.07	0.22	< 0.01	0.10	0.01	0.07	< 0.01	0.08
Sb-006	< 0.01	1.9	0.128	< 0.5	1000	< 3	1.47	13.3	2.3	0.52	0.07	2.69	3.71	0.66	2.52	0.53	0.12	0.43	0.04	0.33	0.05	0.18	< 0.01	0.22
Sb-007	< 0.01	2.4	0.113	< 0.5	290	< 3	0.99	5.0	0.5	0.22	< 0.02	1.36	2.31	0.30	1.26	0.26	0.13	0.25	< 0.01	0.24	0.02	0.09	< 0.01	0.12
Sb-008	0.04	6.9	0.286	4.7	500	13	9.02	19.7	1.2	0.81	0.03	13.8	29.2	3.78	14.2	2.86	0.75	2.60	0.45	1.90	0.38	0.99	0.14	0.95
Sb-009	0.09	5.6	0.104	10.8	770	9	1.52	6.8	2.8	0.22	0.14	4.09	9.05	1.13	3.99	0.68	0.19	0.34	0.09	0.34	0.07	0.21	0.03	0.18
Sb-010	0.04	22.4	0.094	10.0	120	11	< 0.05	1.2	0.4	0.03	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-011	< 0.01	1.8	0.213	< 0.5	520	43	18.4	41.6	1.6	1.76	0.07	26.8	51.3	7.07	28.2	5.86	1.61	5.52	0.75	3.82	0.74	2.15	0.29	2.16
Sb-012	< 0.01	3.1	0.163	< 0.5	620	16	1.98	9.7	0.9	0.39	< 0.02	3.90	7.40	0.90	3.46	0.78	0.31	0.31	0.07	0.50	0.08	0.28	0.04	0.25
Sb-013	< 0.01	3.5	0.353	< 0.5	450	15	24.1	60.0	1.6	2.04	0.05	40.2	82.6	12.7	50.3	9.22	2.09	8.15	1.02	5.13	0.98	2.89	0.42	2.98
Sb-014	0.04	8.5	0.605	< 0.5	2780	91	57.7	348	11.9	8.71	0.71	93.1	152	27.5	109	20.6	4.21	18.6	2.28	11.1	2.14	6.42	0.82	6.32
Sb-015	0.03	7.8	0.715	< 0.5	2510	81	61.1	379	12.6	9.28	0.84	97.3	155	29.0	113	21.2	4.29	19.0	2.48	12.1	2.22	6.85	0.92	6.95
Sb-016	< 0.01	2.6	0.181	< 0.5	210	28	8.14	38.0	1.4	0.84	0.12	15.0	20.7	4.09	15.7	2.75	0.57	2.69	0.31	1.53	0.29	0.93	0.12	0.87
Sb-017	< 0.01	2.3	0.065	< 0.5	140	10	< 0.05	2.7	0.6	0.09	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-019	< 0.01	5.1	0.134	< 0.5	60	< 3	< 0.05	0.7	0.3	0.03	0.07	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-020	< 0.01	4.1	0.170	< 0.5	90	< 3	< 0.05	0.7	0.7	0.03	0.07	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-021	< 0.01	3.2	0.266	< 0.5	60	< 3	< 0.05	1.3	0.4	0.03	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-022	< 0.01	3.3	0.107	< 0.5	80	< 3	< 0.05	0.7	0.5	0.03	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-023	< 0.01	5.5	0.419	< 0.5	90	< 3	< 0.05	0.7	0.9	0.02	0.10	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-024	< 0.01	5.1	0.742	< 0.5	90	4	< 0.05	0.6	0.8	0.01	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-025	< 0.01	6.6	1.21	< 0.5	120	< 3	< 0.05	0.6	0.9	0.03	0.07	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-026	< 0.01	3.7	0.248	< 0.5	640	8	< 0.05	7.5	4.6	0.21	0.28	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-027	< 0.01	3.6	0.652	< 0.5	150	< 3	< 0.05	2.0	1.3	0.06	0.07	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-028	< 0.01	3.1	1.28	< 0.5	140	6	< 0.05	4.6	0.7	0.12	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-029	< 0.01	3.6	1.36	< 0.5	360	< 3	< 0.05	1.3	1.9	0.04	0.11	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-030	< 0.01	5.8	0.365	< 0.5	190	12	< 0.05	2.1	1.0	0.07	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.15
Sb-031	< 0.01	3.7	0.434	< 0.5	130	5	< 0.05	1.9	0.8	0.05	0.08	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-032	< 0.01	3.4	0.241	< 0.5	1730	9	3.30	24.3	5.7	0.71	0.43	5.34	10.3	1.56	5.91	1.07	0.25	0.77	0.10	0.61	0.12	0.38	0.05	0.42
Sb-033	< 0.01	2.0	0.108	< 0.5	420	15	29.1	92.5	2.8	2.22	0.28	37.8	28.3	11.8	49.0	9.25	1.95	8.25	1.13	5.64	1.08	3.30	0.43	3.08
Sb-034	< 0.01	1.9	0.141	< 0.5	180	< 3	0.47	3.3	0.9	0.07	0.10	3.41	0.17	0.68	2.50	0.40	0.06	< 0.01	< 0.01	0.09	0.01	0.09	< 0.01	0.05
Sb-035	< 0.01	2.8	0.802	< 0.5	190	7	< 0.05	1.2	0.8	0.04	0.09	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-036	< 0.01	3.2	1.00	< 0.5	210	< 3	< 0.05	0.6	0.1	0.02	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-037	< 0.01	4.3	0.571	< 0.5	290	< 3	< 0.05	0.4	0.2	0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-038	< 0.01	4.0	2.55	< 0.5	200	< 3	< 0.05	0.6	0.4	0.04	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-039	< 0.01	5.2	0.891	< 0.5	130	< 3	< 0.05	0.6	1.0	0.03	0.08	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-040	< 0.01	2.5	0.352	< 0.5	90	< 3	< 0.05	1.0	0.6	0.05	0.07	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-041	< 0.01	3.7	0.341	< 0.5	90	6	< 0.05	1.8	0.7	0.16	0.07	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-042	< 0.01	3.6	0.925	< 0.5	90	< 3	< 0.05	0.7	0.4	0.03	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-043	< 0.01	3.0	0.440	< 0.5	250	4	0.41	8.3	1.9	0.24	0.16	0.54	1.64	0.17	0.83	0.18	0.04	< 0.01	< 0.01	0.03	0.01	0.10	0.01	0.10
Sb-044	< 0.01	1.6	0.143	< 0.5	190	< 3	4.06	27.9	1.0	0.93	0.10	8.10	21.9	2.88	13.0	2.20	0.49	1.60	0.15	0.88	0.18	0.58	0.08	0.67
Sb-045	< 0.01	2.6	0.253	< 0.5	360	< 3	23.4	93.6	2.1	2.71	0.16	37.8	66.7	13.1	52.2	10.2	2.06	8.36	1.01	4.94	0.96	2.99	0.38	2.91
Sb-046	< 0.01	2.5	0.140	< 0.5	150	< 3	13.1	32.3	0.7	0.89	0.10	26.4	23.4	7.09	29.1	5.08	0.98	4.32	0.55	2.63	0.50	1.58	0.20	1.39
Sb-047	< 0.01	4.0	0.082	< 0.5	510	< 3	2.43	10.4	0.9	0.45	0.05	4.37	4.77	0.99	4.40	0.82	0.36	0.38	0.08	0.55	0.09	0.33	0.04	0.36
Sb-048	< 0.01	1.1	0.242	< 0.5	720	< 3	28.4	25.1	1.0	1.11	0.02	41.9	79.1	10.5	41.1	7.53	1.92	7.41	0.94	4.76	0.96	2.98	0.40	2.82
Sb-049	< 0.01	3.6	0.088	< 0.5	250	< 3	4.35	3.7	1.7	0.13	0.09	13.6	23.7	3.12	10.6	1.84	0.41	1.50	0.17	0.89	0.15	0.47	0.04	0.28
Sb-050	< 0.01	7.4	0.421	< 0.5	470	< 3	< 0.05	2.3	1.5	0.08	0.08	2.87	4.44	0.38	3.07	0.19	0.08	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01
Sb-051	< 0.01	5.4	0.189	< 0.5	180	< 3	< 0.05	1.6	1.3	0.05	0.08	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-052	< 0.01	4.8	0.689	< 0.5	130	< 3	< 0.05	0.7	0.5	0.02	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-053	< 0.01	2.7	0.069	< 0.5	200	< 3	19.6	77.5	1.2	2.05	0.09	23.5	39.7	9.05	36.6	7.38	1.49	6.13	0.86	4.39	0.84	2.62	0.35	2.42
Sb-054	< 0.01	5.8	< 0.005	< 0.5	420	< 3	0.82	7.5	0.8	0.34	< 0.02	1.93	3.17	0.63	2.64	0.47	0.10	0.06	0.01	0.20	0.04	0.18	0.02	0.19
Sb-055	0.28	6.7	0.023	73.1	1090	41	1.95	7.8	1.9	0.31	0.12	3.61	6.24	1.51	3.85	1.03	0.53	0.96	0.48	0.60	0.25	0.39	0.21	0.49
KEEZ-154EXTRA	0.20	3.2	0.594	104	100	< 3	1.01	1.9	0.5	0.04	0.05	2.39	3.25	0.75	1.95	0.44	0.20	0.41	0.16	0.23	0.09	0.13	0.05	0.16

Analyte Symbol	Lu	Li	Be	Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd	Os	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.01	0.5	0.1	10	0.4	0.1	0.1	0.01	0.5	0.5	0.5	0.5	0.5
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
KEEZ-001	0.18	10.5	0.2	< 10	314	46.2	302	2.38	286	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-002	0.09	0.9	0.2	< 10	147	6.0	155	0.21	72.8	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-002A	0.05	2.7	< 0.1	< 10	233	30.3	1140	0.57	340	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-003	< 0.01	< 0.5	< 0.1	< 10	491	39.1	1450	0.90	375	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-003A	< 0.01	4.2	< 0.1	< 10	3610	62.9	1260	1.02	323	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-004	< 0.01	2.2	< 0.1	< 10	577	16.3	1080	0.29	353	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-004A	< 0.01	4.4	< 0.1	< 10	1980	57.2	1260	0.67	413	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-005	< 0.01	3.8	< 0.1	< 10	24200	21.0	1070	0.49	551	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-005A	< 0.01	0.7	0.2	< 10	64100	37.3	765	0.65	870	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-006	< 0.01	< 0.5	< 0.1	< 10	2390	36.4	1380	1.00	544	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-006A	< 0.01	< 0.5	< 0.1	< 10	5410	59.5	1070	1.92	465	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-007	< 0.01	2.5	< 0.1	10	1190	10.4	848	0.53	608	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-007A	< 0.01	28.7	< 0.1	< 10	1590	46.0	902	1.89	629	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-008	< 0.01	6.5	< 0.1	< 10	169	17.1	634	0.88	514	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-008A	< 0.01	19.7	< 0.1	< 10	2180	66.5	818	2.45	670	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-009	< 0.01	2.6	0.2	< 10	169	21.0	720	0.68	637	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-009A	< 0.01	1.3	< 0.1	< 10	1010	94.1	1080	2.63	958	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-010	< 0.01	2.2	< 0.1	10	1810	32.8	692	0.64	760	< 0.5	0.5	< 0.5	< 0.5
KEEZ-010A	< 0.01	< 0.5	< 0.1	< 10	442	66.7	643	0.73	596	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-011	0.03	11.3	0.3	20	492	17.0	181	0.52	244	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-011A	< 0.01	0.8	< 0.1	< 10	749	38.5	480	0.39	584	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-012	0.02	1.5	< 0.1	< 10	401	12.5	166	0.13	211	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-013	0.06	< 0.5	< 0.1	< 10	76.9	3.6	54.7	< 0.01	142	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-013A	0.05	< 0.5	< 0.1	10	87.2	47.0	189	0.41	269	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-014	< 0.01	< 0.5	0.2	< 10	49.1	41.6	56.9	0.03	187	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-014A	0.05	< 0.5	0.1	< 10	723	751	65.8	7.96	259	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-015	< 0.01	< 0.5	0.3	< 10	316	34.0	48.0	0.47	199	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-015A	< 0.01	< 0.5	< 0.1	< 10	4400	169	67.1	1.96	161	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-016	0.01	1.0	0.3	< 10	457	20.0	463	0.87	293	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-017A	< 0.01	< 0.5	< 0.1	< 10	7650	81.3	630	1.26	285	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-018	< 0.01	< 0.5	0.2	< 10	3740	20.1	456	0.26	271	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-019	< 0.01	< 0.5	< 0.1	< 10	381	17.6	451	0.38	253	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-020	< 0.01	< 0.5	< 0.1	10	1040	9.7	541	0.22	255	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-021	< 0.01	< 0.5	< 0.1	< 10	6970	32.6	451	0.50	281	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-022	< 0.01	1.3	0.6	20	856	28.2	507	0.55	286	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-023	< 0.01	< 0.5	< 0.1	< 10	115	41.0	458	0.60	274	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-024	< 0.01	< 0.5	< 0.1	< 10	3900	13.8	252	0.41	214	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-025A	0.02	3.2	< 0.1	< 10	58.7	217	142	1.20	82.7	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-026A	< 0.01	< 0.5	< 0.1	< 10	82.0	508	68.4	8.33	47.3	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-027A	0.07	11.6	0.8	< 10	14200	28.0	410	0.26	391	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-028A	< 0.01	14.8	0.2	< 10	25800	41.2	544	0.08	670	< 0.5	0.6	< 0.5	< 0.5
KEEZ-029	< 0.01	8.0	0.5	< 10	5410	21.6	709	0.10	320	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-030	< 0.01	5.8	< 0.1	< 10	7470	20.2	613	0.08	469	< 0.5	0.5	< 0.5	< 0.5
KEEZ-031	< 0.01	3.3	< 0.1	< 10	3120	20.8	656	0.03	254	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-032A	< 0.01	< 0.5	1.1	< 10	106	133	357	0.51	185	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-033A	0.01	3.6	0.5	< 10	286	472	158	8.40	212	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-034	0.04	9.9	1.4	10	804	598	154	4.09	405	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-035A	0.03	< 0.5	0.3	< 10	1270	26.8	339	0.27	118	< 0.5	1.0	< 0.5	< 0.5
KEEZ-036	< 0.01	2.1	< 0.1	< 10	30300	20.2	597	0.13	686	< 0.5	0.9	< 0.5	< 0.5
KEEZ-037A	< 0.01	3.4	0.5	< 10	466	161	315	1.08	276	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-039A	0.02	6.1	0.4	10	1870	460	123	1.83	175	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-040A	< 0.01	< 0.5	0.3	< 10	150	165	429	0.26	257	< 0.5	< 0.5	< 0.5	< 0.5

Analyte Symbol	Lu	Li	Be	Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd	Os	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.01	0.5	0.1	10	0.4	0.1	0.1	0.01	0.5	0.5	0.5	0.5	0.5
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
KEEZ-041	< 0.01	< 0.5	< 0.1	< 10	251	99.4	374	0.88	215	< 0.5	0.7	< 0.5	< 0.5
KEEZ-042	< 0.01	3.1	< 0.1	< 10	24.9	57.3	155	0.31	51.8	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-043A	< 0.01	< 0.5	< 0.1	< 10	1040	22.2	213	0.23	137	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-044	< 0.01	< 0.5	0.4	< 10	187	15.1	182	0.19	180	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-044A	< 0.01	< 0.5	< 0.1	< 10	945	51.7	315	1.10	612	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-045	0.01	0.6	< 0.1	< 10	393	25.0	217	0.53	178	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-046	< 0.01	< 0.5	< 0.1	< 10	1300	17.7	469	0.28	372	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-047	< 0.01	< 0.5	< 0.1	< 10	1390	34.8	468	0.55	387	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-048	< 0.01	< 0.5	< 0.1	< 10	1540	18.1	202	0.49	172	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-049	< 0.01	< 0.5	< 0.1	< 10	531	14.4	203	0.26	173	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-050	< 0.01	< 0.5	< 0.1	10	74.1	24.6	227	0.46	175	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-051	0.02	< 0.5	0.2	< 10	3120	24.9	333	0.43	306	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-052	0.05	< 0.5	< 0.1	< 10	54.9	13.7	277	0.28	250	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-053A	0.05	2.4	0.2	10	583	36.0	172	0.41	175	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-054A	0.02	< 0.5	0.3	< 10	187	41.5	237	0.31	189	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-055	0.03	< 0.5	0.1	< 10	141	39.9	298	0.38	263	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-056	< 0.01	< 0.5	0.3	20	84.3	86.5	364	1.78	258	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-057	< 0.01	< 0.5	< 0.1	10	1170	16.6	193	0.38	126	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-058	< 0.01	< 0.5	< 0.1	< 10	438	23.9	282	0.44	175	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-059	< 0.01	4.2	0.2	< 10	596	16.1	404	0.36	265	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-100A	< 0.01	< 0.5	0.3	10	8.2	70.0	494	0.58	403	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-101	< 0.01	< 0.5	< 0.1	10	< 0.4	99.7	225	2.39	132	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-102	< 0.01	< 0.5	< 0.1	< 10	17.3	19.9	267	0.97	142	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-103	< 0.01	< 0.5	< 0.1	10	645	29.0	262	0.71	174	< 0.5	0.7	< 0.5	< 0.5
KEEZ-104	< 0.01	< 0.5	0.3	10	598	33.5	347	0.79	171	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-105	0.17	11.2	< 0.1	< 10	5610	183	844	3.55	517	< 0.5	1.5	< 0.5	< 0.5
KEEZ-106	0.04	14.7	0.2	< 10	1190	71.2	1010	1.47	495	< 0.5	1.2	< 0.5	< 0.5
KEEZ-107	< 0.01	16.9	0.4	< 10	55.0	48.4	576	0.74	241	< 0.5	1.3	< 0.5	< 0.5
KEEZ-108	< 0.01	11.8	< 0.1	< 10	356	121	878	1.93	408	< 0.5	1.0	< 0.5	< 0.5
KEEZ-109	< 0.01	14.7	< 0.1	10	154	72.2	579	1.40	248	< 0.5	1.0	< 0.5	< 0.5
KEEZ-110	< 0.01	6.7	0.4	< 10	271	36.2	885	0.84	389	< 0.5	0.7	< 0.5	< 0.5
KEEZ-111	< 0.01	12.2	0.6	< 10	6780	121	577	1.77	226	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-112	< 0.01	11.6	< 0.1	< 10	169	41.2	687	1.14	300	< 0.5	0.9	< 0.5	< 0.5
KEEZ-113	< 0.01	13.5	< 0.1	< 10	3260	36.6	692	1.07	285	< 0.5	1.0	< 0.5	< 0.5
KEEZ-114	< 0.01	15.7	1.1	10	2880	23.2	1570	0.52	983	< 0.5	1.0	< 0.5	< 0.5
KEEZ-115	< 0.01	15.4	0.1	20	43300	117	1220	2.43	736	< 0.5	1.6	< 0.5	< 0.5
KEEZ-116	< 0.01	13.9	0.6	< 10	12500	79.2	875	1.47	348	< 0.5	0.9	< 0.5	< 0.5
KEEZ-117	< 0.01	8.4	< 0.1	< 10	24900	137	1140	0.89	538	< 0.5	1.4	< 0.5	< 0.5
KEEZ-118	< 0.01	14.5	0.3	< 10	6120	85.3	1150	0.51	451	< 0.5	0.6	< 0.5	< 0.5
KEEZ-119	< 0.01	23.8	0.7	10	104000	136	1290	0.95	1370	< 0.5	1.3	< 0.5	< 0.5
KEEZ-120	0.09	2.6	< 0.1	< 10	17600	272	734	1.19	250	< 0.5	1.0	< 0.5	< 0.5
KEEZ-121	0.04	35.6	< 0.1	10	10300	31.7	552	0.20	255	< 0.5	0.8	< 0.5	< 0.5
KEEZ-122	< 0.01	< 0.5	< 0.1	< 10	578	70.4	423	0.20	143	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-123	< 0.01	8.1	< 0.1	< 10	247	28.0	222	0.09	65.9	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-124	0.06	15.3	< 0.1	< 10	619	103	167	0.61	69.3	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-125	< 0.01	4.9	< 0.1	< 10	50.1	33.8	346	0.27	110	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-126	< 0.01	1.9	< 0.1	< 10	1990	62.8	619	0.45	183	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-127	< 0.01	0.9	< 0.1	< 10	162	34.6	255	1.47	142	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-128	< 0.01	< 0.5	< 0.1	< 10	692	115	427	1.50	143	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-129	< 0.01	3.3	< 0.1	< 10	2520	25.1	643	0.35	334	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-130	< 0.01	0.8	< 0.1	< 10	1720	18.4	516	0.14	279	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-131	< 0.01	3.7	< 0.1	< 10	337	23.3	305	0.21	151	< 0.5	< 0.5	< 0.5	< 0.5

Analyte Symbol	Lu	Li	Be	Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd	Os	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.01	0.5	0.1	10	0.4	0.1	0.1	0.01	0.5	0.5	0.5	0.5	0.5
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
KEEZ-132A	< 0.01	13.8	< 0.1	< 10	143	151	376	0.97	152	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-133	< 0.01	< 0.5	< 0.1	< 10	1180	20.4	572	0.16	205	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-139	0.03	< 0.5	< 0.1	< 10	12200	14.1	428	0.26	188	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-140A	0.04	5.1	< 0.1	10	339	53.2	88.9	0.94	131	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-141A	0.01	3.1	< 0.1	< 10	637	444	116	12.2	359	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-142A	< 0.01	12.1	< 0.1	10	348	545	111	17.3	180	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-143A	0.01	5.0	< 0.1	< 10	2600	451	183	8.47	463	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-144A	< 0.01	< 0.5	< 0.1	< 10	3650	47.2	873	0.83	265	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-145	< 0.01	< 0.5	< 0.1	< 10	531	55.7	611	0.57	216	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-146	< 0.01	< 0.5	< 0.1	< 10	2220	29.6	694	0.59	296	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-147	< 0.01	< 0.5	< 0.1	< 10	176	22.7	602	0.42	319	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-148	< 0.01	< 0.5	< 0.1	< 10	1660	116	835	0.84	360	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-149	< 0.01	< 0.5	< 0.1	< 10	646	32.2	474	0.70	177	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-150	< 0.01	1.7	< 0.1	10	96.5	31.1	1170	0.59	490	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-150-1	< 0.01	< 0.5	< 0.1	< 10	94.5	24.0	529	0.33	251	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-151	< 0.01	< 0.5	< 0.1	20	1130	28.8	764	0.62	374	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-152	< 0.01	< 0.5	< 0.1	10	246	17.5	478	0.33	248	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-153	< 0.01	< 0.5	< 0.1	< 10	2660	43.4	497	0.54	238	< 0.5	< 0.5	< 0.5	< 0.5
PEN-001	0.02	9.5	< 0.1	20	3250	284	757	0.58	420	< 0.5	< 0.5	< 0.5	< 0.5
PEN-002	0.04	27.5	0.7	20	120	46.6	32.4	0.45	132	< 0.5	< 0.5	< 0.5	< 0.5
PEN-002A	< 0.01	8.4	< 0.1	10	775	490	67.7	16.5	206	< 0.5	< 0.5	< 0.5	< 0.5
PEN-002B	0.06	30.2	4.3	10	100	46.3	95.5	1.12	809	< 0.5	< 0.5	< 0.5	< 0.5
PEN-003	0.12	13.6	0.2	20	1350	432	132	4.36	397	< 0.5	< 0.5	< 0.5	< 0.5
PEN-004	0.02	< 0.5	0.2	< 10	652	60.6	86.5	1.05	395	< 0.5	< 0.5	< 0.5	< 0.5
PEN-005	< 0.01	11.4	< 0.1	< 10	4800	6.5	54.6	0.06	198	< 0.5	< 0.5	< 0.5	< 0.5
PEN-005A	0.04	4.8	1.0	< 10	207000	478	583	2.56	2660	< 0.5	< 0.5	< 0.5	< 0.5
PEN-006	0.07	2.9	< 0.1	< 10	1340	834	234	9.35	318	< 0.5	< 0.5	< 0.5	< 0.5
PEN-007	0.43	37.3	4.1	30	971	82.2	154	2.12	681	< 0.5	< 0.5	< 0.5	< 0.5
PEN-007A	0.13	18.2	1.0	20	3440	124	414	0.73	1030	< 0.5	< 0.5	< 0.5	< 0.5
PEN-008	0.19	10.2	0.5	10	15700	87.5	534	0.78	1090	< 0.5	< 0.5	< 0.5	< 0.5
PEN-009	< 0.01	< 0.5	< 0.1	< 10	189	30.5	24.0	0.54	141	< 0.5	< 0.5	< 0.5	< 0.5
PEN-009A	0.01	3.3	< 0.1	< 10	631	906	203	8.16	569	< 0.5	< 0.5	< 0.5	< 0.5
PEN-010A	0.01	3.3	0.9	< 10	584	130	292	0.48	765	< 0.5	< 0.5	< 0.5	< 0.5
PEN-011A	< 0.01	3.3	< 0.1	< 10	30400	2500	532	22.0	1430	< 0.5	< 0.5	< 0.5	< 0.5
PEN-012	0.09	37.5	2.7	10	351	61.4	81.7	0.65	1420	< 0.5	< 0.5	< 0.5	< 0.5
PEN-013	0.07	10.2	0.8	< 10	6580	17.9	139	0.26	764	< 0.5	< 0.5	< 0.5	< 0.5
PEN-13A	0.12	13.6	0.8	< 10	15800	19.9	365	0.13	1030	< 0.5	< 0.5	< 0.5	< 0.5
PEN-014	< 0.01	4.4	0.2	< 10	159	101	230	1.51	241	< 0.5	< 0.5	< 0.5	< 0.5
PEN-015	0.03	12.9	0.3	< 10	484	20.4	516	0.08	588	< 0.5	< 0.5	< 0.5	< 0.5
PEN-016	0.05	7.4	0.8	< 10	1970	34.3	624	0.31	949	< 0.5	< 0.5	< 0.5	< 0.5
PEN-017	0.04	7.5	0.3	< 10	1440	58.5	791	0.17	864	< 0.5	< 0.5	< 0.5	< 0.5
PEN-018	0.03	11.3	0.4	< 10	5250	36.6	499	0.21	686	< 0.5	< 0.5	< 0.5	< 0.5
PEN-019	0.04	10.5	0.6	< 10	1440	36.1	392	1.02	485	< 0.5	< 0.5	< 0.5	< 0.5
PEN-020	< 0.01	13.4	0.2	< 10	4120	31.1	482	0.53	491	< 0.5	< 0.5	< 0.5	< 0.5
PEN-021	< 0.01	7.1	0.6	< 10	12300	32.0	462	0.78	1300	< 0.5	< 0.5	< 0.5	< 0.5
PEN-022	0.03	9.5	0.8	< 10	2220	15.3	319	0.22	642	< 0.5	< 0.5	< 0.5	< 0.5
PEN-023	0.01	16.6	0.8	< 10	74.2	13.3	52.9	0.12	252	< 0.5	< 0.5	< 0.5	< 0.5
PEN-023A	0.06	14.8	2.9	< 10	1080	389	595	1.62	1030	< 0.5	< 0.5	< 0.5	< 0.5
PEN-023B	0.01	14.3	0.6	< 10	86.0	15.2	46.2	0.08	186	< 0.5	< 0.5	< 0.5	< 0.5
PEN-024	0.01	11.2	0.3	< 10	363	139	85.3	1.46	294	< 0.5	< 0.5	< 0.5	< 0.5
PEN-025	0.29	10.5	0.5	< 10	52.1	10.7	28.0	0.51	120	< 0.5	< 0.5	< 0.5	< 0.5
PEN-25A	0.09	11.1	1.1	< 10	2390	262	370	2.70	1190	< 0.5	< 0.5	< 0.5	< 0.5

Analyte Symbol	Lu	Li	Be	Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd	Os	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.01	0.5	0.1	10	0.4	0.1	0.1	0.01	0.5	0.5	0.5	0.5	0.5
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
PEN-026	< 0.01	9.7	0.4	< 10	536	791	146	28.8	350	< 0.5	< 0.5	< 0.5	< 0.5
PEN-027	0.01	7.0	0.2	< 10	91.3	11.9	19.0	0.37	73.2	< 0.5	< 0.5	< 0.5	< 0.5
PEN-027A	< 0.01	11.8	0.3	< 10	1850	939	211	22.7	391	< 0.5	< 0.5	< 0.5	< 0.5
PEN-28A	< 0.01	10.6	0.3	< 10	44400	944	407	10.5	1060	< 0.5	< 0.5	< 0.5	< 0.5
PEN-029	0.35	32.6	2.6	20	1520	63.0	143	2.37	507	< 0.5	< 0.5	< 0.5	< 0.5
PEN-030	0.02	15.8	1.0	10	1070	161	553	0.76	295	< 0.5	< 0.5	< 0.5	< 0.5
PEN-031-1	< 0.01	13.0	0.7	< 10	353	254	278	3.96	99.5	< 0.5	< 0.5	< 0.5	< 0.5
PEN-031-2	< 0.01	20.1	0.2	< 10	283	41.8	303	0.40	156	< 0.5	< 0.5	< 0.5	< 0.5
PEN-032	0.06	11.7	0.8	10	606	27.6	630	0.27	538	< 0.5	< 0.5	< 0.5	< 0.5
PEN-033	0.10	11.0	3.5	< 10	91.4	59.6	219	0.88	677	< 0.5	< 0.5	< 0.5	< 0.5
PEN-034	0.04	13.4	1.0	< 10	346	13.3	95.3	0.25	368	< 0.5	< 0.5	< 0.5	< 0.5
PEN-035	0.38	4.5	0.6	< 10	272	17.2	102	0.21	133	< 0.5	< 0.5	< 0.5	< 0.5
PEN-036	< 0.01	14.0	0.7	< 10	483	28.6	268	2.34	362	< 0.5	< 0.5	< 0.5	< 0.5
PEN-037	< 0.01	11.4	0.6	< 10	105	91.3	185	3.45	143	< 0.5	< 0.5	< 0.5	< 0.5
PEN-038	< 0.01	14.5	0.6	< 10	123	228	211	7.57	48.0	< 0.5	< 0.5	< 0.5	< 0.5
PEN-039	< 0.01	19.2	< 0.1	10	203	22.5	613	0.69	332	< 0.5	< 0.5	< 0.5	< 0.5
PEN-040A	< 0.01	29.4	1.6	< 10	125	34.4	41.8	0.54	225	< 0.5	< 0.5	< 0.5	< 0.5
PEN-041A	< 0.01	1340	1.4	< 10	65.0	18.6	16.7	0.12	204	< 0.5	< 0.5	< 0.5	< 0.5
PEN-042	0.04	9.1	1.5	< 10	206	12.3	58.6	0.09	334	< 0.5	< 0.5	< 0.5	< 0.5
PEN-043A	0.02	15.4	0.8	< 10	418	4.9	85.8	0.17	173	< 0.5	< 0.5	< 0.5	< 0.5
PEN-044	0.10	37.0	4.4	< 10	127	71.3	135	0.81	1260	< 0.5	< 0.5	< 0.5	< 0.5
PEN-045	0.03	19.8	2.1	< 10	399	29.9	63.9	0.26	299	< 0.5	< 0.5	< 0.5	< 0.5
PEN-046	0.01	12.8	0.7	< 10	47.5	23.0	29.2	0.14	135	< 0.5	< 0.5	< 0.5	< 0.5
PEN-047	0.04	16.3	1.6	< 10	140	33.0	44.9	0.16	296	< 0.5	< 0.5	< 0.5	< 0.5
PEN-048B	0.03	9.0	2.5	< 10	143	61.0	69.0	0.60	467	< 0.5	< 0.5	< 0.5	< 0.5
PEN-048	0.21	21.6	1.7	< 10	58.1	53.0	39.1	0.79	289	< 0.5	< 0.5	< 0.5	< 0.5
PEN-049	0.04	21.5	0.8	< 10	131	41.9	39.0	0.28	306	< 0.5	< 0.5	< 0.5	< 0.5
PEN-050	0.05	27.1	2.0	< 10	151	25.1	55.9	1.15	360	< 0.5	< 0.5	< 0.5	< 0.5
PEN-051	0.04	19.1	2.5	< 10	214	53.7	94.0	< 0.01	465	< 0.5	< 0.5	< 0.5	< 0.5
PEN-052	0.01	28.3	1.3	< 10	110	43.6	64.4	0.14	342	< 0.5	< 0.5	< 0.5	< 0.5
PEN-053	< 0.01	18.2	1.5	< 10	158	33.7	66.1	< 0.01	190	< 0.5	< 0.5	< 0.5	< 0.5
PEN-054	0.04	26.4	2.5	< 10	131	65.8	97.1	0.15	777	< 0.5	< 0.5	< 0.5	< 0.5
PEN-055	0.04	17.3	0.8	< 10	350	27.9	38.7	0.05	285	< 0.5	< 0.5	< 0.5	< 0.5
PEN-056	0.06	39.5	5.0	< 10	270	58.1	56.1	0.11	728	< 0.5	< 0.5	< 0.5	< 0.5
PEN-057	0.05	28.2	1.6	< 10	170	42.7	59.4	0.08	313	< 0.5	< 0.5	< 0.5	< 0.5
PEN-058	0.09	60.3	3.3	10	1770	87.2	94.6	0.17	472	< 0.5	< 0.5	< 0.5	< 0.5
PEN-059	0.01	28.2	0.4	20	685	479	1090	1.53	233	< 0.5	< 0.5	< 0.5	< 0.5
PEN-060	< 0.01	15.0	0.2	20	3430	34.9	809	0.08	341	< 0.5	< 0.5	< 0.5	< 0.5
PEN-061	< 0.01	15.3	0.5	20	3630	104	1060	0.07	429	< 0.5	< 0.5	< 0.5	< 0.5
PEN-062	< 0.01	16.3	0.1	30	957	100	1310	0.52	554	< 0.5	< 0.5	< 0.5	< 0.5
PEN-063	< 0.01	11.1	0.6	30	4550	103	1410	0.27	747	< 0.5	< 0.5	< 0.5	< 0.5
L-1	< 0.01	19.0	0.9	20	4600	27.2	1360	0.27	415	< 0.5	< 0.5	< 0.5	< 0.5
L-2	< 0.01	12.9	0.4	10	1480	35.5	577	1.11	280	< 0.5	< 0.5	< 0.5	< 0.5
L-3	< 0.01	11.4	0.6	10	526	39.1	452	0.30	271	< 0.5	< 0.5	< 0.5	< 0.5
L-4	< 0.01	14.5	0.5	10	251	35.9	534	0.54	305	< 0.5	< 0.5	< 0.5	< 0.5
L-5	< 0.01	13.4	0.5	10	127	21.4	536	2.48	179	< 0.5	< 0.5	< 0.5	< 0.5
L-6	< 0.01	15.8	0.2	20	313	95.9	749	2.26	302	< 0.5	< 0.5	< 0.5	< 0.5
L-7	< 0.01	16.4	0.4	20	1000	289	1330	2.05	247	< 0.5	< 0.5	< 0.5	< 0.5
L-8	< 0.01	15.7	0.3	20	253	144	673	6.38	351	< 0.5	< 0.5	< 0.5	< 0.5
L-9	< 0.01	12.6	0.4	20	238	30.4	561	2.73	209	< 0.5	< 0.5	< 0.5	< 0.5
L-10	< 0.01	21.2	0.4	20	2160	256	1140	3.00	306	< 0.5	< 0.5	< 0.5	< 0.5
L-11	< 0.01	13.8	0.5	20	268	56.1	979	0.66	264	< 0.5	< 0.5	< 0.5	< 0.5

Analyte Symbol	Lu	Li	Be	Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd	Os	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.01	0.5	0.1	10	0.4	0.1	0.1	0.01	0.5	0.5	0.5	0.5	0.5
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
L-12	< 0.01	16.3	0.2	30	5250	86.5	1330	0.93	407	< 0.5	< 0.5	< 0.5	< 0.5
L-13	< 0.01	17.5	< 0.1	20	4220	28.6	851	0.72	245	< 0.5	< 0.5	< 0.5	< 0.5
L-14	< 0.01	20.8	< 0.1	30	3580	41.0	1820	0.12	646	< 0.5	< 0.5	< 0.5	< 0.5
L-15	< 0.01	21.0	< 0.1	20	611	39.8	823	0.73	260	< 0.5	< 0.5	< 0.5	< 0.5
L-16	0.15	38.4	0.5	20	671	44.5	367	0.05	200	< 0.5	< 0.5	< 0.5	< 0.5
L-17	0.02	16.6	0.3	10	982	170	834	2.04	354	< 0.5	< 0.5	< 0.5	< 0.5
L-18	< 0.01	11.3	0.6	10	163	224	369	9.41	276	< 0.5	< 0.5	< 0.5	< 0.5
L-19	< 0.01	12.6	0.2	< 10	241	156	359	5.98	322	< 0.5	< 0.5	< 0.5	< 0.5
L-20	< 0.01	12.3	< 0.1	< 10	115	18.1	397	3.06	272	< 0.5	< 0.5	< 0.5	< 0.5
L-21	< 0.01	12.6	0.2	< 10	116	34.9	422	1.83	300	< 0.5	< 0.5	< 0.5	< 0.5
L-22	< 0.01	15.6	< 0.1	< 10	124	51.5	468	3.83	343	< 0.5	< 0.5	< 0.5	< 0.5
L-23	< 0.01	17.1	1.0	10	314	69.2	526	2.30	388	< 0.5	< 0.5	< 0.5	< 0.5
L-24	< 0.01	20.5	< 0.1	< 10	341	130	453	2.79	330	< 0.5	< 0.5	< 0.5	< 0.5
L-25	< 0.01	18.7	0.2	10	882	150	795	4.23	584	< 0.5	< 0.5	< 0.5	< 0.5
L-26	< 0.01	21.6	< 0.1	10	722	182	835	5.56	559	< 0.5	< 0.5	< 0.5	< 0.5
L-27	< 0.01	14.9	2.6	< 10	224	24.9	595	1.71	392	< 0.5	< 0.5	< 0.5	< 0.5
L-28	< 0.01	16.7	< 0.1	< 10	128	25.4	484	1.40	301	< 0.5	< 0.5	< 0.5	< 0.5
L-29	< 0.01	15.7	< 0.1	< 10	192	213	452	4.78	337	< 0.5	< 0.5	< 0.5	< 0.5
L-30	< 0.01	13.9	< 0.1	< 10	161	38.3	421	3.54	299	< 0.5	< 0.5	< 0.5	< 0.5
L-31	< 0.01	16.9	< 0.1	< 10	732	300	498	4.50	347	< 0.5	< 0.5	< 0.5	< 0.5
L-32	< 0.01	14.5	0.3	< 10	234	21.5	798	2.69	338	< 0.5	< 0.5	< 0.5	< 0.5
L-33	< 0.01	15.9	0.1	< 10	342	669	592	31.4	336	< 0.5	< 0.5	< 0.5	< 0.5
L-34	< 0.01	10.2	< 0.1	< 10	500	31.0	448	2.55	301	< 0.5	< 0.5	< 0.5	< 0.5
L-35	< 0.01	8.9	< 0.1	10	1630	40.0	1420	2.81	450	< 0.5	< 0.5	< 0.5	< 0.5
L-36	< 0.01	9.5	< 0.1	10	454	9.2	610	1.94	271	< 0.5	< 0.5	< 0.5	< 0.5
L-37	< 0.01	11.3	< 0.1	20	10000	25.3	1610	1.20	443	< 0.5	< 0.5	< 0.5	< 0.5
L-38	< 0.01	10.1	< 0.1	10	732	21.4	448	0.48	215	< 0.5	< 0.5	< 0.5	< 0.5
L-39	0.15	4.4	0.5	< 10	209	20.6	120	0.06	176	< 0.5	< 0.5	< 0.5	< 0.5
L-40	0.15	4.5	0.4	< 10	188	30.5	130	0.17	254	< 0.5	< 0.5	< 0.5	< 0.5
L-41	0.09	8.6	0.9	10	172	94.1	382	1.15	153	< 0.5	< 0.5	< 0.5	< 0.5
L-42	< 0.01	9.9	< 0.1	10	2580	21.3	540	0.54	195	< 0.5	< 0.5	< 0.5	< 0.5
L-43	0.01	12.4	0.3	< 10	556	15.7	488	0.67	327	< 0.5	< 0.5	< 0.5	< 0.5
L-44	0.03	13.5	0.6	< 10	2610	16.6	228	0.19	196	< 0.5	< 0.5	< 0.5	< 0.5
L-45	0.02	8.9	< 0.1	< 10	1520	25.8	307	0.14	95.9	< 0.5	< 0.5	< 0.5	< 0.5
L-46	< 0.01	11.5	< 0.1	10	2570	20.1	500	0.25	207	< 0.5	< 0.5	< 0.5	< 0.5
G2-1	0.09	24.3	< 0.1	10	748	148	1480	0.31	28100	< 0.5	< 0.5	< 0.5	< 0.5
G2-2	0.06	22.2	< 0.1	< 10	1630	178	361	0.25	29800	< 0.5	0.7	< 0.5	< 0.5
G2-3	< 0.01	11.9	< 0.1	< 10	307	702	296	3.16	576	< 0.5	< 0.5	< 0.5	< 0.5
G2-4	< 0.01	10.0	0.5	< 10	150	771	352	8.76	285	< 0.5	< 0.5	< 0.5	< 0.5
G2-5	< 0.01	14.1	0.9	< 10	367	793	214	32.4	217	< 0.5	< 0.5	< 0.5	< 0.5
G2-6	< 0.01	14.4	< 0.1	< 10	337	275	248	19.8	14300	< 0.5	< 0.5	< 0.5	< 0.5
G2-7	< 0.01	9.4	3.4	< 10	1280	744	247	21.0	671	< 0.5	< 0.5	< 0.5	< 0.5
G2-9	0.01	11.2	< 0.1	< 10	4120	1050	286	13.5	344	< 0.5	< 0.5	< 0.5	< 0.5
G2-10	< 0.01	8.2	< 0.1	< 10	236	284	303	6.90	293	< 0.5	< 0.5	< 0.5	< 0.5
G2-11	< 0.01	10.0	< 0.1	< 10	217	476	418	9.14	80.6	< 0.5	< 0.5	< 0.5	< 0.5
G2-11B	0.08	14.8	< 0.1	< 10	275	298	314	6.04	33300	< 0.5	< 0.5	< 0.5	< 0.5
G2-12	< 0.01	20.2	< 0.1	10	283	658	963	5.93	524	< 0.5	< 0.5	< 0.5	< 0.5
G2-13	< 0.01	10.8	< 0.1	< 10	962	622	365	10.3	181	< 0.5	< 0.5	< 0.5	< 0.5
G2-14	< 0.01	13.6	0.8	10	392	513	666	6.08	221	< 0.5	< 0.5	< 0.5	< 0.5
G2-15	0.04	17.9	0.8	< 10	159	319	629	6.97	225	< 0.5	< 0.5	< 0.5	< 0.5
G2-15B	< 0.01	10.6	0.8	< 10	36.4	131	283	4.79	112	< 0.5	< 0.5	< 0.5	< 0.5
G2-16	0.04	21.0	< 0.1	10	2180	815	542	13.2	135	< 0.5	< 0.5	< 0.5	< 0.5

Analyte Symbol	Lu	Li	Be	Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd	Os	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.01	0.5	0.1	10	0.4	0.1	0.1	0.01	0.5	0.5	0.5	0.5	0.5
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
G2-17	0.01	20.2	< 0.1	10	1420	648	467	8.90	93.9	< 0.5	< 0.5	< 0.5	< 0.5
G2-18	0.06	24.6	< 0.1	< 10	330	572	284	9.95	66.2	< 0.5	< 0.5	< 0.5	< 0.5
G2-19	< 0.01	13.3	< 0.1	< 10	582	411	118	6.95	120	< 0.5	< 0.5	< 0.5	< 0.5
G2-19B	< 0.01	9.4	< 0.1	< 10	246	643	329	10.7	142	< 0.5	< 0.5	< 0.5	< 0.5
G2-20	< 0.01	8.9	1.1	< 10	701	652	453	12.9	218	< 0.5	< 0.5	< 0.5	< 0.5
G2-21	< 0.01	11.0	0.8	< 10	13700	161	739	1.87	406	< 0.5	< 0.5	< 0.5	< 0.5
G2-22	0.02	12.8	2.2	10	14300	512	938	5.22	470	< 0.5	< 0.5	< 0.5	< 0.5
G2-23	< 0.01	6.3	< 0.1	10	142	174	349	3.88	257	< 0.5	< 0.5	< 0.5	< 0.5
G2-24	0.02	14.9	2.1	10	7700	471	638	6.26	358	< 0.5	< 0.5	< 0.5	< 0.5
G2-25	< 0.01	7.8	< 0.1	10	3110	301	661	3.06	148	< 0.5	< 0.5	< 0.5	< 0.5
G2-26	< 0.01	7.6	< 0.1	20	157	103	756	1.29	206	< 0.5	< 0.5	< 0.5	< 0.5
G2-27	< 0.01	9.1	0.3	10	596	268	554	1.66	134	< 0.5	< 0.5	< 0.5	< 0.5
G2-28	< 0.01	6.7	< 0.1	10	130	437	432	2.23	26.2	< 0.5	< 0.5	< 0.5	< 0.5
G2-29	0.03	10.1	2.0	10	5300	80.0	976	0.76	458	< 0.5	< 0.5	< 0.5	< 0.5
G2-30	0.03	11.5	0.1	20	4230	197	1380	0.90	523	< 0.5	< 0.5	< 0.5	< 0.5
G2-31	0.01	8.2	0.5	10	14500	108	1210	0.61	524	< 0.5	< 0.5	< 0.5	< 0.5
G2-31B	0.04	7.3	0.6	< 10	1170	848	910	5.22	307	< 0.5	< 0.5	< 0.5	< 0.5
G2-32	< 0.01	9.3	0.3	< 10	165	477	369	4.15	58.0	< 0.5	< 0.5	< 0.5	< 0.5
G2-33	< 0.01	8.9	0.3	< 10	112	294	375	2.63	107	< 0.5	< 0.5	< 0.5	< 0.5
G2-33B	< 0.01	4.8	< 0.1	< 10	28.9	77.9	535	0.95	212	< 0.5	< 0.5	< 0.5	< 0.5
G2-34	< 0.01	7.4	0.5	< 10	108	370	449	2.90	159	< 0.5	< 0.5	< 0.5	< 0.5
G2-35	< 0.01	12.7	0.4	< 10	290	791	395	6.29	40.1	< 0.5	< 0.5	< 0.5	< 0.5
G2-36	< 0.01	12.1	< 0.1	< 10	11500	485	1100	5.50	249	< 0.5	< 0.5	< 0.5	< 0.5
G2-37	< 0.01	10.2	0.2	< 10	286	801	665	5.83	94.2	< 0.5	< 0.5	< 0.5	< 0.5
G2-38	< 0.01	12.4	0.6	< 10	573	661	1350	4.40	276	< 0.5	< 0.5	< 0.5	< 0.5
G2-40	< 0.01	9.4	0.7	< 10	89.5	329	229	3.81	228	< 0.5	< 0.5	< 0.5	< 0.5
G2-41	< 0.01	8.2	0.3	< 10	178	484	651	3.42	36.9	< 0.5	< 0.5	< 0.5	< 0.5
G2-42	< 0.01	6.8	< 0.1	< 10	201	623	786	4.56	80.1	< 0.5	< 0.5	< 0.5	< 0.5
G2-43	< 0.01	10.5	0.4	< 10	526	583	696	5.52	274	< 0.5	< 0.5	< 0.5	< 0.5
G2-44	< 0.01	6.9	0.5	< 10	1350	269	913	1.48	293	< 0.5	< 0.5	< 0.5	< 0.5
G2-44B	< 0.01	9.6	0.3	< 10	433	1020	972	5.10	195	< 0.5	< 0.5	< 0.5	< 0.5
G2-45	< 0.01	4.3	< 0.1	< 10	155	449	394	7.28	61.5	< 0.5	< 0.5	< 0.5	< 0.5
G2-46	< 0.01	7.0	0.4	< 10	3910	209	717	2.73	183	< 0.5	< 0.5	< 0.5	< 0.5
G2-47	< 0.01	7.0	0.1	< 10	155	535	324	7.05	188	< 0.5	< 0.5	< 0.5	< 0.5
G2-48	< 0.01	9.1	0.4	< 10	315	609	1070	7.06	434	< 0.5	< 0.5	< 0.5	< 0.5
G2-49	< 0.01	6.1	< 0.1	< 10	92.2	168	371	2.68	245	< 0.5	< 0.5	< 0.5	< 0.5
G2-50	< 0.01	5.7	< 0.1	< 10	75.3	258	249	4.82	223	< 0.5	< 0.5	< 0.5	< 0.5
OC-001A	< 0.01	17.0	1.5	< 10	1260	671	466	12.5	496	< 0.5	< 0.5	< 0.5	< 0.5
OC-002	< 0.01	6.8	3.2	< 10	305	37.1	137	0.84	362	< 0.5	< 0.5	< 0.5	< 0.5
OC-003	< 0.01	44.5	1.6	< 10	101	63.9	161	2.31	478	< 0.5	< 0.5	< 0.5	< 0.5
OC-004	0.04	14.0	4.8	< 10	150	91.7	186	1.02	500	< 0.5	< 0.5	< 0.5	< 0.5
OC-005	< 0.01	5.9	0.3	< 10	103	21.6	663	0.59	246	< 0.5	< 0.5	< 0.5	< 0.5
OC-006	< 0.01	4.5	< 0.1	< 10	45100	66.6	854	0.67	657	< 0.5	< 0.5	< 0.5	< 0.5
OC-007	< 0.01	5.6	< 0.1	< 10	5750	38.3	980	0.24	542	< 0.5	< 0.5	< 0.5	< 0.5
OC-008	< 0.01	4.1	< 0.1	10	6940	30.5	895	0.27	282	< 0.5	< 0.5	< 0.5	< 0.5
OC-009	< 0.01	7.8	< 0.1	10	18900	326	1250	1.20	544	< 0.5	< 0.5	< 0.5	< 0.5
OC-010	0.17	3.4	1.2	< 10	367	43.3	249	0.25	448	< 0.5	< 0.5	< 0.5	< 0.5
OC-011	0.03	17.8	1.7	< 10	22000	41.1	188	0.25	606	< 0.5	< 0.5	< 0.5	< 0.5
OC-012	0.09	1.0	0.6	< 10	1050	43.9	154	0.19	284	< 0.5	< 0.5	< 0.5	< 0.5
OC-012A	< 0.01	3.9	< 0.1	< 10	7510	39.8	577	0.26	221	< 0.5	< 0.5	< 0.5	< 0.5
OC-013	< 0.01	3.1	< 0.1	< 10	1610	31.6	704	0.17	252	< 0.5	< 0.5	< 0.5	< 0.5
OC-014	0.12	4.5	0.9	10	19800	19.1	643	0.11	438	< 0.5	< 0.5	< 0.5	< 0.5

Analyte Symbol	Lu	Li	Be	Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd	Os	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.01	0.5	0.1	10	0.4	0.1	0.1	0.01	0.5	0.5	0.5	0.5	0.5
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
OC-015	< 0.01	3.7	0.2	< 10	2720	42.4	599	0.15	224	< 0.5	< 0.5	< 0.5	< 0.5
OC-016	0.02	11.6	1.7	< 10	4330	42.1	164	0.24	377	< 0.5	< 0.5	< 0.5	< 0.5
OC-017	0.05	19.1	3.6	< 10	277	49.9	279	0.95	587	< 0.5	< 0.5	< 0.5	< 0.5
OC-018	0.03	9.3	3.2	20	485	84.1	587	1.38	1110	< 0.5	< 0.5	< 0.5	< 0.5
OC-019	< 0.01	4.2	0.1	< 10	1540	24.5	698	0.39	244	< 0.5	< 0.5	< 0.5	< 0.5
OC-020	< 0.01	4.7	< 0.1	< 10	9280	51.6	1640	0.55	502	< 0.5	< 0.5	< 0.5	< 0.5
OC-021	< 0.01	4.3	< 0.1	< 10	8320	45.2	1300	0.63	441	< 0.5	< 0.5	< 0.5	< 0.5
OC-022	< 0.01	7.0	< 0.1	< 10	3850	160	2020	0.75	258	< 0.5	< 0.5	< 0.5	< 0.5
OC-023	< 0.01	6.6	< 0.1	< 10	14600	498	1690	1.35	255	< 0.5	< 0.5	< 0.5	< 0.5
OC-024	< 0.01	6.3	< 0.1	< 10	614	120	2300	1.00	204	< 0.5	< 0.5	< 0.5	< 0.5
OC-025	0.06	6.6	0.4	< 10	79.4	119	1100	0.50	70.2	< 0.5	1.5	< 0.5	< 0.5
OC-026	< 0.01	4.1	0.1	< 10	2140	137	989	0.52	72.5	< 0.5	0.7	< 0.5	< 0.5
OC-027	< 0.01	2.9	< 0.1	< 10	277	26.2	735	0.37	74.3	< 0.5	0.6	< 0.5	< 0.5
OC-028	< 0.01	2.5	< 0.1	< 10	370	16.3	185	0.10	10.4	< 0.5	< 0.5	< 0.5	< 0.5
OC-029	< 0.01	1.2	0.4	< 10	11.1	27.4	446	0.65	74.9	< 0.5	< 0.5	< 0.5	< 0.5
OC-030	< 0.01	2.7	0.5	< 10	2.1	60.1	215	0.37	10.9	< 0.5	< 0.5	< 0.5	< 0.5
OC-031	< 0.01	2.9	0.2	< 10	133	11.8	294	0.18	28.0	< 0.5	< 0.5	< 0.5	< 0.5
OC-032	< 0.01	2.6	< 0.1	< 10	479	22.5	492	0.31	34.0	< 0.5	0.6	< 0.5	< 0.5
OC-033	< 0.01	16.3	1.4	< 10	71.2	16.5	98.1	0.11	114	< 0.5	< 0.5	< 0.5	< 0.5
OC-034	< 0.01	12.4	1.5	< 10	247	22.5	208	0.41	199	< 0.5	< 0.5	< 0.5	< 0.5
OC-035	< 0.01	2.6	0.2	< 10	154	19.4	112	0.10	56.7	< 0.5	< 0.5	< 0.5	< 0.5
OC-036	< 0.01	3.9	0.1	< 10	1850	26.2	496	0.18	60.0	< 0.5	< 0.5	< 0.5	< 0.5
OC-037	< 0.01	3.2	< 0.1	< 10	29400	46.0	716	0.66	99.0	< 0.5	< 0.5	< 0.5	< 0.5
OC-038	< 0.01	6.3	0.3	< 10	20500	13.9	1100	0.28	469	< 0.5	< 0.5	< 0.5	< 0.5
OC-039	< 0.01	3.0	0.1	< 10	10500	17.0	946	0.32	184	< 0.5	< 0.5	< 0.5	< 0.5
OC-040	< 0.01	2.3	< 0.1	< 10	1710	19.2	875	0.16	122	< 0.5	< 0.5	< 0.5	< 0.5
OC-041	< 0.01	3.5	< 0.1	< 10	779	14.8	548	0.07	78.1	< 0.5	< 0.5	< 0.5	< 0.5
OC-042	< 0.01	4.7	0.6	< 10	495	34.8	768	0.08	80.1	< 0.5	0.6	< 0.5	< 0.5
OC-043	< 0.01	3.8	0.4	< 10	1850	20.3	835	0.17	105	< 0.5	< 0.5	< 0.5	< 0.5
OC-044	< 0.01	5.0	0.4	< 10	232	18.1	354	0.12	15.5	< 0.5	< 0.5	< 0.5	< 0.5
OC-045	< 0.01	4.6	0.6	< 10	73.5	32.5	114	0.11	92.6	< 0.5	< 0.5	< 0.5	< 0.5
OC-046	0.02	25.9	2.6	< 10	112	66.6	297	0.57	598	< 0.5	< 0.5	< 0.5	< 0.5
OC-047	0.02	21.7	2.5	< 10	93.8	58.4	291	0.60	571	< 0.5	< 0.5	< 0.5	< 0.5
OC-048	0.02	22.0	3.5	< 10	57.9	59.0	127	0.74	468	< 0.5	< 0.5	< 0.5	< 0.5
OC-049	< 0.01	12.2	1.4	< 10	43.5	50.2	96.6	0.81	489	< 0.5	< 0.5	< 0.5	< 0.5
OC-050	< 0.01	12.2	2.5	< 10	47.6	34.8	94.4	0.83	307	< 0.5	< 0.5	< 0.5	< 0.5
OC-051	< 0.01	22.8	1.6	< 10	59.9	36.3	79.7	0.82	310	< 0.5	< 0.5	< 0.5	< 0.5
OC-052	< 0.01	15.4	0.8	< 10	67.1	28.1	98.9	0.32	179	< 0.5	< 0.5	< 0.5	< 0.5
OC-053	< 0.01	4.4	0.5	< 10	450	15.7	415	0.17	85.9	< 0.5	< 0.5	< 0.5	< 0.5
OC-054	< 0.01	4.2	< 0.1	< 10	102	103	1160	1.08	175	< 0.5	< 0.5	< 0.5	< 0.5
OC-055	< 0.01	4.8	0.5	< 10	371	16.4	134	0.17	31.2	< 0.5	< 0.5	< 0.5	< 0.5
OC-056	< 0.01	1.3	< 0.1	< 10	167	499	364	4.94	20.8	< 0.5	< 0.5	< 0.5	< 0.5
OC-057	< 0.01	5.8	0.2	< 10	65900	62.5	1070	0.75	214	< 0.5	< 0.5	< 0.5	< 0.5
OC-058	< 0.01	2.4	0.7	< 10	1750	3.1	836	0.14	122	< 0.5	< 0.5	< 0.5	< 0.5
OC-059	< 0.01	1.2	0.2	< 10	1900	50.8	418	0.42	40.1	< 0.5	< 0.5	< 0.5	< 0.5
OC-060	< 0.01	2.0	0.4	< 10	145	3.2	477	0.08	42.6	< 0.5	< 0.5	< 0.5	< 0.5
OC-061	< 0.01	2.6	0.5	< 10	359	232	655	1.16	58.0	< 0.5	< 0.5	< 0.5	< 0.5
OC-062	< 0.01	1.0	0.2	< 10	624	133	1100	1.12	160	< 0.5	< 0.5	< 0.5	< 0.5
OC-063	< 0.01	3.6	0.3	< 10	338	7.9	609	0.08	119	< 0.5	< 0.5	< 0.5	< 0.5
Sb-001	< 0.01	3.7	< 0.1	< 10	2550	9.6	429	< 0.01	96.8	< 0.5	< 0.5	< 0.5	< 0.5
Sb-002	< 0.01	1.0	0.7	< 10	72.6	3.6	228	< 0.01	67.5	< 0.5	< 0.5	< 0.5	< 0.5
Sb-003	< 0.01	0.8	< 0.1	< 10	3430	38.2	398	0.28	99.4	< 0.5	< 0.5	< 0.5	< 0.5

Analyte Symbol	Lu	Li	Be	Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd	Os	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.01	0.5	0.1	10	0.4	0.1	0.1	0.01	0.5	0.5	0.5	0.5	0.5
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
Sb-004	0.08	3.8	< 0.1	< 10	452	9.9	261	0.22	65.9	< 0.5	< 0.5	< 0.5	< 0.5
Sb-005	< 0.01	19.4	2.9	< 10	564	29.4	111	0.38	288	< 0.5	< 0.5	< 0.5	< 0.5
Sb-006	< 0.01	16.7	1.4	< 10	185	70.2	79.3	0.53	149	< 0.5	< 0.5	< 0.5	< 0.5
Sb-007	< 0.01	18.7	2.7	< 10	351	64.5	123	0.46	271	< 0.5	< 0.5	< 0.5	< 0.5
Sb-008	0.17	11.0	5.8	< 10	103	104	400	0.92	260	< 0.5	< 0.5	< 0.5	< 0.5
Sb-009	0.03	5.8	< 0.1	< 10	59.2	27.4	453	0.29	108	< 0.5	< 0.5	< 0.5	< 0.5
Sb-010	< 0.01	7.2	< 0.1	< 10	824	77.3	840	1.08	153	< 0.5	0.6	< 0.5	< 0.5
Sb-011	0.29	15.6	11.5	30	502	177	738	0.94	1210	< 0.5	< 0.5	< 0.5	< 0.5
Sb-012	0.02	23.3	6.6	< 10	136	107	396	0.46	867	< 0.5	< 0.5	< 0.5	< 0.5
Sb-013	0.43	13.4	6.2	20	1040	137	493	0.65	935	< 0.5	< 0.5	< 0.5	< 0.5
Sb-014	1.02	103	5.8	100	2330	159	435	5.48	510	< 0.5	< 0.5	< 0.5	< 0.5
Sb-015	1.05	95.7	4.4	80	2580	172	486	6.18	481	< 0.5	< 0.5	< 0.5	< 0.5
Sb-016	0.14	30.9	0.2	< 10	641	31.6	468	0.60	137	< 0.5	< 0.5	< 0.5	< 0.5
Sb-017	< 0.01	6.1	< 0.1	< 10	877	4.5	253	< 0.01	48.9	< 0.5	< 0.5	< 0.5	< 0.5
Sb-019	< 0.01	20.0	< 0.1	< 10	3580	30.4	1150	0.45	355	< 0.5	< 0.5	< 0.5	< 0.5
Sb-020	< 0.01	15.9	< 0.1	< 10	5190	21.0	927	0.50	232	< 0.5	< 0.5	< 0.5	< 0.5
Sb-021	< 0.01	10.8	< 0.1	< 10	7820	15.9	1030	0.08	196	< 0.5	< 0.5	< 0.5	< 0.5
Sb-022	< 0.01	8.7	< 0.1	< 10	1620	17.6	1140	0.20	126	< 0.5	< 0.5	< 0.5	< 0.5
Sb-023	< 0.01	10.7	< 0.1	< 10	4650	39.5	1490	0.44	169	< 0.5	< 0.5	< 0.5	< 0.5
Sb-024	< 0.01	10.1	< 0.1	10	11200	75.5	1520	1.03	272	< 0.5	< 0.5	< 0.5	< 0.5
Sb-025	< 0.01	10.0	< 0.1	< 10	4850	66.4	1190	0.67	151	< 0.5	< 0.5	< 0.5	< 0.5
Sb-026	< 0.01	16.1	< 0.1	< 10	5110	10.3	908	0.13	188	< 0.5	< 0.5	< 0.5	< 0.5
Sb-027	< 0.01	8.9	< 0.1	< 10	5740	59.7	891	0.12	250	< 0.5	< 0.5	< 0.5	< 0.5
Sb-028	< 0.01	6.4	< 0.1	< 10	1890	115	834	0.48	180	< 0.5	< 0.5	< 0.5	< 0.5
Sb-029	< 0.01	9.3	< 0.1	< 10	2510	77.8	996	0.46	207	< 0.5	< 0.5	< 0.5	< 0.5
Sb-030	< 0.01	6.7	< 0.1	< 10	1940	46.2	774	1.30	220	< 0.5	< 0.5	< 0.5	< 0.5
Sb-031	< 0.01	7.5	< 0.1	10	672	37.7	887	0.37	208	< 0.5	< 0.5	< 0.5	< 0.5
Sb-032	0.05	11.3	1.1	< 10	91.9	28.7	547	0.21	222	< 0.5	< 0.5	< 0.5	< 0.5
Sb-033	0.45	10.3	1.0	20	862	35.9	498	0.32	175	< 0.5	< 0.5	< 0.5	< 0.5
Sb-034	< 0.01	7.2	< 0.1	< 10	101	19.8	502	0.02	66.5	< 0.5	< 0.5	< 0.5	< 0.5
Sb-035	< 0.01	7.7	< 0.1	< 10	12500	63.7	843	0.33	232	< 0.5	< 0.5	< 0.5	< 0.5
Sb-036	< 0.01	5.0	< 0.1	< 10	502	11.1	670	1.70	459	< 0.5	< 0.5	< 0.5	< 0.5
Sb-037	< 0.01	5.4	0.3	< 10	237	43.5	544	2.19	322	< 0.5	< 0.5	< 0.5	< 0.5
Sb-038	< 0.01	5.8	< 0.1	< 10	519	171	420	3.85	191	< 0.5	< 0.5	< 0.5	< 0.5
Sb-039	< 0.01	5.7	< 0.1	< 10	38.0	45.8	614	1.32	135	< 0.5	< 0.5	< 0.5	< 0.5
Sb-040	< 0.01	5.0	< 0.1	< 10	1860	23.3	688	0.46	126	< 0.5	< 0.5	< 0.5	< 0.5
Sb-041	< 0.01	4.4	< 0.1	< 10	2700	28.8	686	0.37	133	< 0.5	< 0.5	< 0.5	< 0.5
Sb-042	< 0.01	4.1	< 0.1	10	1260	74.9	778	1.16	97.5	< 0.5	< 0.5	< 0.5	< 0.5
Sb-043	< 0.01	7.0	0.2	10	4190	46.5	619	0.27	186	< 0.5	< 0.5	< 0.5	< 0.5
Sb-044	0.09	8.7	1.3	20	8940	53.0	198	0.24	266	< 0.5	< 0.5	< 0.5	< 0.5
Sb-045	0.44	11.4	2.8	20	1960	81.2	315	0.35	484	< 0.5	< 0.5	< 0.5	< 0.5
Sb-046	0.22	9.9	0.5	< 10	464	38.4	500	0.46	120	< 0.5	< 0.5	< 0.5	< 0.5
Sb-047	0.04	16.7	4.9	< 10	137	35.0	286	0.13	946	< 0.5	< 0.5	< 0.5	< 0.5
Sb-048	0.37	13.1	5.6	20	129	76.6	400	0.74	1110	< 0.5	< 0.5	< 0.5	< 0.5
Sb-049	0.02	5.5	0.3	< 10	2710	15.8	633	0.28	220	< 0.5	< 0.5	< 0.5	< 0.5
Sb-050	< 0.01	6.1	0.1	< 10	1000	34.9	477	2.66	321	< 0.5	< 0.5	< 0.5	< 0.5
Sb-051	< 0.01	5.5	< 0.1	< 10	201	31.8	718	0.66	235	< 0.5	< 0.5	< 0.5	< 0.5
Sb-052	< 0.01	4.2	< 0.1	< 10	286	207	356	4.86	90.1	< 0.5	< 0.5	< 0.5	< 0.5
Sb-053	0.37	12.4	0.9	< 10	390	27.9	304	0.49	170	< 0.5	< 0.5	< 0.5	< 0.5
Sb-054	< 0.01	10.0	0.6	< 10	618	15.5	147	0.26	104	< 0.5	< 0.5	< 0.5	< 0.5
Sb-055	0.47	12.1	1.7	< 10	1060	10.3	128	0.19	287	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-154EXTRA	0.09	9.1	0.5	< 10	2420	43.8	667	0.83	245	< 0.5	0.8	< 0.5	< 0.5

Quality Control

Analyte Symbol	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni	Cu	Zn	Pb	Ga	Ge	Ag	Cd
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	1000	1	1	0.1	0.1	1	0.1	0.01	0.5	0.1	0.005	0.005	0.1	0.01	0.01	0.2	1	1	5	0.1	0.3	0.05	0.1	0.1
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
TILL-1 Meas		401		61.7	13.9		5.3	40.3				0.020	0.1	3.66	3.85	58.7	16	264	134	20.2				
TILL-1 Cert		6400.0		99000	18000		2000	7800.0				13	90.0	5600.0	2200.0	18000	24000	47000	98000	22000				
TILL-2 Meas		1020		73.4	29.2		45.6	1.47		4.3		0.010	< 0.1	20.1	9.84	28.7	42	204	154	18.0				
TILL-2 Cert		12200.0		77000	26000		14000	800.0		5000		2	70.0	18400.0	5700.0	15000	32000	150000	130000	31000				
KEEZ-006 Orig	< 1000	173	49	16.5	127	2	20.0	1.72	< 0.5	0.6	0.060	0.008	< 0.1	0.17	< 0.01	2.7	6	< 1	42	< 0.1	< 0.3	< 0.05	< 0.1	0.4
KEEZ-006 Dup	< 1000	147	43	33.3	117	2	23.9	1.63	1.1	0.7	0.056	0.014	< 0.1	0.21	< 0.01	2.7	5	< 1	46	< 0.1	< 0.3	< 0.05	< 0.1	0.4
KEEZ-010A Orig	< 1000	177	44	30.5	57.3	5	56.9	1.04	0.5	0.6	0.047	0.006	< 0.1	0.10	0.03	1.7	10	2	106	< 0.1	< 0.3	< 0.05	< 0.1	1.8
KEEZ-010A Dup	< 1000	178	45	15.0	58.6	5	61.7	1.11	1.1	0.7	0.057	< 0.005	< 0.1	0.12	0.12	1.5	10	2	117	0.4	< 0.3	< 0.05	< 0.1	1.5
KEEZ-015A Orig	< 1000	36	4	20.5	12.0	2	3.3	0.96	< 0.5	0.4	0.009	< 0.005	< 0.1	0.44	< 0.01	3.8	8	< 1	88	3.8	0.5	0.32	< 0.1	1.6
KEEZ-015A Dup	< 1000	40	7	41.1	13.6	2	4.2	1.17	< 0.5	0.4	0.018	< 0.005	< 0.1	0.42	< 0.01	5.3	9	< 1	129	8.0	0.8	0.34	< 0.1	2.6
KEEZ-044 Orig	13000	73	52	255	5.6	7	16.2	2.63	< 0.5	0.3	0.044	< 0.005	< 0.1	0.85	< 0.01	1.8	22	6	11	< 0.1	0.3	3.78	< 0.1	0.8
KEEZ-044 Dup	7000	54	46	198	5.1	4	13.5	2.44	< 0.5	0.3	0.041	0.007	< 0.1	1.02	< 0.01	1.6	22	4	7	< 0.1	< 0.3	3.57	< 0.1	0.7
KEEZ-052 Orig	11000	256	201	107	9.5	11	22.7	0.99	< 0.5	1.2	0.058	0.012	< 0.1	2.05	2.50	1.8	17	1	13	< 0.1	< 0.3	0.48	< 0.1	0.5
KEEZ-052 Dup	5000	257	201	95.4	10.5	12	20.7	0.85	< 0.5	1.1	0.078	0.022	< 0.1	2.11	2.41	2.2	19	< 1	17	< 0.1	< 0.3	0.60	< 0.1	0.6
KEEZ-101 Orig	19000	94	54	125	12.7	1	6.9	0.67	< 0.5	0.6	0.123	0.005	< 0.1	5.47	< 0.01	8.5	8	< 1	82	< 0.1	< 0.3	0.14	< 0.1	1.7
KEEZ-101 Dup	13000	92	49	91.3	12.4	2	5.4	0.56	< 0.5	0.8	0.095	< 0.005	< 0.1	5.22	< 0.01	7.8	7	< 1	61	< 0.1	< 0.3	0.15	< 0.1	1.2
KEEZ-129 Orig	13000	63	42	2770	12.0	5	88.0	1.48	< 0.5	0.9	0.090	< 0.005	< 0.1	0.50	< 0.01	5.5	12	< 1	58	< 0.1	< 0.3	< 0.05	< 0.1	1.2
KEEZ-129 Dup	17000	87	48	2810	14.1	8	106	1.93	< 0.5	1.4	0.086	0.005	< 0.1	0.80	< 0.01	7.6	15	< 1	81	0.1	0.5	0.07	< 0.1	1.9
KEEZ-143A Orig	16000	149	128	123	17.4	11	15.3	2.49	< 0.5	1.8	0.143	0.008	0.2	5.52	< 0.01	13.1	26	17	455	9.0	2.9	0.56	< 0.1	4.7
KEEZ-143A Dup	22000	145	128	141	17.1	10	14.4	2.46	< 0.5	1.8	0.105	< 0.005	0.1	5.73	< 0.01	13.1	25	16	433	8.3	2.8	0.61	< 0.1	4.6
KEEZ-151 Orig	15000	189	98	977	15.2	12	33.1	0.63	< 0.5	0.8	0.054	< 0.005	0.1	0.54	< 0.01	3.0	7	< 1	59	< 0.1	< 0.3	0.07	< 0.1	0.8
KEEZ-151 Dup	21000	217	103	1050	17.0	12	34.2	0.71	< 0.5	0.7	0.074	0.012	0.1	0.60	< 0.01	3.0	6	< 1	67	< 0.1	< 0.3	< 0.05	< 0.1	1.0
PEN-020 Orig	2000	90	22	150	30.5	3	12.9	2.21	< 0.5	0.7	0.062	< 0.005	< 0.1	0.11	< 0.01	7.3	10	< 1	203	< 0.1	0.4	0.06	< 0.1	1.9
PEN-020 Dup	1000	89	22	181	27.4	3	11.1	2.16	< 0.5	0.7	0.071	0.005	< 0.1	0.07	< 0.01	4.9	10	< 1	127	< 0.1	< 0.3	< 0.05	< 0.1	1.5
PEN-026 Orig	48000	83	13	50.2	16.2	2	10.1	3.62	< 0.5	1.7	0.079	< 0.005	0.1	1.29	< 0.01	6.7	18	5	198	14.3	1.6	0.31	< 0.1	5.1
PEN-026 Dup	50000	90	13	50.2	16.8	< 1	10.1	3.06	< 0.5	1.7	0.078	< 0.005	0.1	1.38	< 0.01	6.8	19	5	212	17.1	1.6	0.23	< 0.1	5.6
PEN-033 Orig	< 1000	83	28	8.7	3.8	< 1	< 0.1	0.20	< 0.5	< 0.1	0.009	< 0.005	< 0.1	3.54	0.43	6.5	14	< 1	33	< 0.1	0.6	< 0.05	< 0.1	1.5
PEN-033 Dup	< 1000	85	28	8.6	3.9	< 1	< 0.1	1.26	< 0.5	< 0.1	0.012	< 0.005	< 0.1	3.43	0.32	6.3	14	2270	1410	47.8	0.6	0.07	< 0.1	1.5
PEN-060 Orig	26000	169	48	1070	74.7	14	33.6	7.38	0.6	0.6	0.043	0.006	< 0.1	3.41	< 0.01	6.5	15	6	128	< 0.1	0.6	0.06	< 0.1	0.8
PEN-060 Dup	29000	156	48	852	70.4	11	34.4	6.80	0.7	0.6	0.062	0.011	< 0.1	2.84	< 0.01	6.5	16	6	112	< 0.1	0.6	< 0.05	< 0.1	0.7
L-6 Orig	17000	98	10	176	28.3	5	7.8	0.84	< 0.5	1.0	0.069	0.008	< 0.1	7.01	< 0.01	6.2	10	< 1	299	< 0.1	0.5	< 0.05	< 0.1	1.4
L-6 Dup	22000	104	10	199	29.8	8	8.7	0.87	< 0.5	0.9	0.073	0.013	< 0.1	6.67	< 0.01	6.3	10	< 1	291	< 0.1	0.6	0.18	< 0.1	1.4
L-15 Orig	17000	386	92	1840	48.2	17	36.3	1.16	< 0.5	0.8	0.114	0.015	< 0.1	2.45	1.39	5.4	13	< 1	68	< 0.1	0.7	0.24	< 0.1	0.8
L-15 Dup	16000	378	88	1960	46.7	16	38.3	1.27	< 0.5	0.8	0.105	0.017	< 0.1	1.79	0.58	5.6	11	< 1	45	< 0.1	0.4	0.18	< 0.1	0.5
L-43 Orig	10000	90	32	380	22.1	5	14.3	1.30	< 0.5	0.9	0.026	< 0.005	< 0.1	3.18	< 0.01	10.9	34	< 1	94	< 0.1	0.6	0.34	< 0.1	0.7
L-43 Dup	10000	95	34	370	21.1	3	15.1	1.33	< 0.5	1.0	0.026	0.007	< 0.1	6.37	0.01	17.8	52	< 1	159	< 0.1	4.0	0.41	< 0.1	1.6
G2-6 Orig	45000	145	17	67.6	28.0	2	10.1	3.09	< 0.5	2.3	0.018	0.005	0.9	7.13	< 0.01	11.4	18	4	425	2.3	< 0.3	0.53	< 0.1	7.3
G2-6 Dup	64000	144	17	64.3	27.1	3	9.9	1.76	< 0.5	2.0	0.078	< 0.005	0.6	5.66	< 0.01	8.7	17	12	19600	5.7	< 0.3	0.65	< 0.1	5.3
G2-15 Orig	15000	268	60	50.3	41.7	7	14.7	4.02	< 0.5	1.4	0.109	0.015	0.3	18.5	< 0.01	29.5	26	< 1	309	17.8	< 0.3	0.37	< 0.1	9.2
G2-15 Dup	17000	281	< 1	44.2	42.6	9	12.6	3.65	< 0.5	1.3	0.094	0.008	< 0.1	17.8	< 0.01	29.8	24	< 1	611	12.2	< 0.3	0.44	< 0.1	8.9
G2-40 Orig	57000	86	19	98.1	24.9	2	10.3	4.01	< 0.5	2.2	0.072	0.006	< 0.1	6.66	0.02	5.9	5	12	643	10.8	1.5	0.96	1.3	7.9
G2-40 Dup	61000	82	19	93.7	25.0	2	12.2	4.79	< 0.5	2.1	0.049	< 0.005	< 0.1	6.98	< 0.01	6.8	6	14	795	10.6	1.4	0.84	0.9	8.7
G2-48 Orig	78000	162	24	222	136	3	28.6	3.81	< 0.5	1.8	0.065	0.006	< 0.1	2.55	0.01	10.5	15	19	2050	5.2	0.5	0.11	< 0.1	8.9
G2-48 Dup	71000	155	22	191	122	4	26.8	3.72	< 0.5	2.0	0.071	0.008	< 0.1	3.36	0.02	10.7	14	17	2110	5.0	0.6	0.11	< 0.1	9.6
OC-007 Orig	66000	162	39	145	65.4	8	101	7.09	< 0.5	0.1	0.044	0.015	< 0.1	0.80	< 0.01	9.1	2	13	45	0.4	0.3	0.08	< 0.1	0.8
OC-007 Dup	73000	185	39	169	68.4	7	117	7.28	< 0.5	1.0	0.061	0.018	< 0.1	0.76	< 0.01	11.2	2	12	53	0.3	0.3	< 0.05	< 0.1	1.0
OC-034 Orig	5000	76	54	19.2	5.1	2	0.1	0.65	< 0.5	0.3	0.008	0.009	< 0.1	6.84	0.94	12.4	13	21	31	< 0.1	0.9	0.09	< 0.1	0.9
OC-034 Dup	< 1000	76	48	15.3	4.7	2	< 0.1	0.57	< 0.5	0.2	0.006	0.006	< 0.1	6.24	0.96	12.7	11	19	54	< 0.1	0.9	0.07	< 0.1	0.8
OC-043 Orig	9000	149	85	159	14.9	11	20.2	37.4	< 0.5	1.5	0.068	0.019	< 0.1	1.80	0.45	4.3	10	8	24	< 0.1	< 0.3	0.25	< 0.1	0.7
OC-043 Dup	2000	172	82	106	11.0	10	23.0	33.5	< 0.5	1.4	0.056	0.013	< 0.1	1.37	0.54	5.3	10	8	40	< 0.1	< 0.3	0.39	< 0.1	1.0
OC-052 Orig	< 1000	64	36	13.9	4.4	2	< 0.1	0.39	< 0.5	0.3	0.012	0.007	< 0.1	2.36	0.32	20.3	20	11	90	< 0.1	1.6	0.10	< 0.1	1.3
OC-052 Dup	< 1000	70	36	10.7	3.9	1	< 0.1	0.24	< 0.5	0.8	0.019	< 0.005	< 0.1	2.55	0.38	18.7	20	11	78	< 0.1	1.8	0.10	< 0.1	1.3
Sb-017 Orig	4000	178	111	595	72.0	10	27.2	913	< 0.5	0.9	0.189	0.084	< 0.1	2.10	< 0.01	23.4	39	29	< 5	< 0.1	0.3	0.52	< 0.1	0.6
Sb-017 Dup	1000	194	118	605	78.6	14	27.1	929	< 0.5	1.0	0.181	0.076	0.2	1.54	< 0.01	25.8	46	25	< 5	< 0.1	0.3	0.56	< 0.1	0.8
Sb-027 Orig	< 1000	152	81	797	57.7	8	58.2	10.0	< 0.5	1.7	0.090	< 0.005	< 0.1	0.90	< 0.01	25.7	14	7	81	< 0.1	0.7	0.19	< 0.1	1.6
Sb-027 Dup	5000	146	79	968	57.1	6	60.2	10.2	< 0.5	2.0	0.091	0.006	< 0.1	0.76	< 0.01	18.5	15	7	60	< 0.1	0.6	0.19	< 0.1	1.1
Sb-036 Orig	2000	50	25	58.1	17.3	2	16.0	0.80	< 0.5	1.7	0.031	< 0.005	< 0.1	0.50	< 0.01	8.6	7	2	437	0.3	0.6	0.34	< 0.1	5.3

Quality Control

Analyte Symbol	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni	Cu	Zn	Pb	Ga	Ge	Ag	Cd
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	1000	1	1	0.1	0.1	1	0.1	0.01	0.5	0.1	0.005	0.005	0.1	0.01	0.01	0.2	1	1	5	0.1	0.3	0.05	0.1	0.1
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
Sb-036 Dup	< 1000	48	24	56.1	18.0	1	17.3	0.86	< 0.5	1.8	0.022	< 0.005	< 0.1	0.55	< 0.01	9.0	7	2	443	0.5	0.5	0.32	< 0.1	5.3
KEEZ-154EXTRA Orig	6000	297	304	324	15.3	11	52.8	1.47	< 0.5	1.3	0.089	0.021	< 0.1	3.93	1.83	4.8	7	7	94	5.8	0.7	0.56	< 0.1	1.1
KEEZ-154EXTRA Dup	18000	327	356	386	18.3	14	62.2	1.73	< 0.5	1.3	0.084	0.007	< 0.1	2.20	1.81	5.4	9	9	118	5.6	0.6	0.44	< 0.1	1.3
Method Blank	< 1000	< 1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.01	< 0.5	< 0.1	< 0.005	< 0.005	< 0.1	< 0.01	< 0.01	< 0.2	< 1	< 1	< 5	< 0.1	< 0.3	< 0.05	< 0.1	< 0.1

Quality Control

Analyte Symbol	In	Sn	Tl	Bi	Ti	Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.01	0.2	0.005	0.5	10	3	0.05	0.1	0.1	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
TILL-1 Meas					340	< 3	15.2	6.9	0.9	0.25	< 0.02	13.4	18.5		19.9	4.50	1.10		0.68			1.81		1.84
TILL-1 Cert					5990000	65000	38000	502000	10000	13000	700.0	28000	71000		26000	5900.0	1300.0		1100.0			3600.0		3900.0
TILL-2 Meas					1750	5	34.1	53.5	6.4	1.77	0.33	31.1	77.1		37.8	8.58	2.06		1.29			3.76		3.70
TILL-2 Cert					5300000	74000	40000	390000	20000	11000	1900.0	44000	98000		36000	7400.0	1000.0		1200.0			3700.0		3700.0
KEEZ-006 Orig	< 0.01	3.4	0.150	< 0.5	50	< 3	< 0.05	2.7	0.2	0.08	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.09	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-006 Dup	< 0.01	2.9	0.105	< 0.5	110	< 3	< 0.05	0.4	0.2	0.04	0.07	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.08	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-010A Orig	< 0.01	3.0	0.354	< 0.5	230	< 3	< 0.05	34.8	< 0.1	0.81	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.11	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-010A Dup	< 0.01	3.1	0.416	< 0.5	120	< 3	< 0.05	9.4	< 0.1	0.25	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.10	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-015A Orig	< 0.01	2.4	0.796	< 0.5	190	< 3	0.26	0.4	0.7	0.03	< 0.02	1.14	1.91	0.20	0.63	0.16	0.06	0.19	0.01	0.09	0.03	0.05	< 0.01	0.01
KEEZ-015A Dup	< 0.01	2.6	1.13	< 0.5	430	< 3	0.18	0.6	0.8	0.04	< 0.02	1.00	1.63	0.19	0.65	0.13	0.05	0.11	0.02	0.08	0.01	0.03	< 0.01	0.03
KEEZ-044 Orig	< 0.01	1.5	0.269	< 0.5	150	< 3	0.44	4.6	0.5	< 0.01	< 0.02	1.77	1.68	0.40	1.82	0.23	0.07	0.21	0.01	0.04	0.03	0.06	< 0.01	0.07
KEEZ-044 Dup	< 0.01	1.6	0.238	< 0.5	130	< 3	0.47	4.7	0.4	< 0.01	< 0.02	1.79	1.70	0.44	1.85	0.22	0.09	0.19	0.02	0.05	0.03	0.05	< 0.01	0.12
KEEZ-052 Orig	< 0.01	1.6	0.616	< 0.5	240	< 3	2.33	9.3	0.9	0.15	0.06	6.71	9.66	1.67	6.93	1.06	0.24	1.05	0.10	0.45	0.11	0.30	0.04	0.37
KEEZ-052 Dup	< 0.01	1.9	0.538	< 0.5	280	< 3	2.40	10.9	1.2	0.20	0.10	7.36	10.1	1.75	6.87	1.07	0.25	0.98	0.10	0.56	0.11	0.35	0.04	0.33
KEEZ-101 Orig	< 0.01	2.5	0.742	< 0.5	280	< 3	1.79	47.9	0.8	1.04	< 0.02	9.38	11.9	1.26	4.21	0.76	0.20	0.82	0.09	0.30	0.07	0.15	0.01	0.09
KEEZ-101 Dup	< 0.01	2.5	0.664	< 0.5	240	< 3	1.99	7.2	0.7	0.04	< 0.02	9.67	12.1	1.23	3.85	0.76	0.18	0.89	0.09	0.34	0.06	0.14	< 0.01	0.08
KEEZ-129 Orig	0.01	1.8	0.250	< 0.5	150	18	< 0.05	1.3	0.6	0.03	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-129 Dup	< 0.01	1.9	0.272	< 0.5	190	14	< 0.05	1.3	0.8	0.04	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-143A Orig	0.01	4.0	1.06	< 0.5	980	< 3	0.50	6.6	1.7	0.20	0.06	1.10	1.74	0.18	0.65	0.14	0.13	0.11	< 0.01	0.07	< 0.01	0.04	< 0.01	0.09
KEEZ-143A Dup	< 0.01	3.7	1.18	< 0.5	1050	3	0.69	6.8	1.7	0.20	0.04	1.46	2.37	0.18	0.67	0.12	0.11	0.10	< 0.01	0.05	0.02	0.07	< 0.01	0.05
KEEZ-151 Orig	< 0.01	2.4	0.295	< 0.5	180	7	< 0.05	0.7	0.3	0.01	0.08	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-151 Dup	< 0.01	2.6	0.417	< 0.5	190	17	< 0.05	0.8	0.4	0.03	0.09	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PEN-020 Orig	< 0.01	1.5	0.303	< 0.5	70	< 3	< 0.05	0.5	0.6	0.03	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.10	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PEN-020 Dup	< 0.01	1.3	0.231	< 0.5	50	< 3	< 0.05	0.4	0.4	0.03	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PEN-026 Orig	< 0.01	8.9	2.73	< 0.5	210	< 3	0.36	5.2	0.2	0.16	< 0.02	1.67	2.19	0.18	0.55	0.10	0.10	0.18	0.03	0.06	< 0.01	0.02	0.01	< 0.01
PEN-026 Dup	< 0.01	3.7	2.82	< 0.5	220	< 3	0.24	1.2	0.1	0.05	0.03	1.30	1.73	0.14	0.44	0.11	0.10	0.10	0.02	0.05	0.01	0.02	0.01	< 0.01
PEN-033 Orig	< 0.01	1.9	0.135	< 0.5	150	< 3	2.34	9.4	0.3	0.36	< 0.02	5.03	12.3	1.38	5.55	1.22	0.44	1.06	0.15	0.63	0.12	0.35	0.05	0.33
PEN-033 Dup	0.01	4.0	0.145	< 0.5	150	< 3	2.45	9.2	0.2	0.38	< 0.02	5.57	13.6	1.50	5.69	1.24	0.44	1.05	0.14	0.66	0.13	0.33	0.05	0.31
PEN-060 Orig	0.01	17.4	0.190	< 0.5	150	< 3	< 0.05	2.9	0.9	0.08	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01
PEN-060 Dup	< 0.01	15.3	0.175	< 0.5	150	< 3	< 0.05	3.0	0.9	0.09	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01
L-6 Orig	< 0.01	6.8	0.569	< 0.5	230	< 3	< 0.05	0.7	0.5	0.03	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
L-6 Dup	0.01	5.9	0.564	< 0.5	220	< 3	< 0.05	0.6	0.6	0.03	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01
L-15 Orig	< 0.01	9.4	0.408	< 0.5	240	< 3	< 0.05	3.5	1.2	0.09	0.05	0.08	< 0.01	< 0.01	0.17	0.04	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01
L-15 Dup	< 0.01	5.6	0.357	< 0.5	180	< 3	< 0.05	2.7	0.8	0.09	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
L-43 Orig	< 0.01	6.3	0.396	< 0.5	1160	< 3	< 0.05	2.0	2.6	0.07	0.12	1.49	3.36	0.42	1.31	0.19	0.10	0.10	< 0.01	< 0.01	< 0.01	< 0.01	0.02	0.04
L-43 Dup	< 0.01	6.5	0.393	< 0.5	1920	< 3	0.37	4.7	4.5	0.15	0.23	2.57	5.46	0.70	2.40	0.41	0.17	0.32	0.03	0.11	0.01	0.03	0.02	0.04
G2-6 Orig	< 0.01	198	2.00	< 0.5	290	< 3	< 0.05	< 0.1	0.6	0.02	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.09	< 0.01	< 0.01	0.02	< 0.01	< 0.01	0.02	< 0.01
G2-6 Dup	< 0.01	63.2	0.280	< 0.5	240	< 3	3.60	4.3	0.5	0.06	< 0.02	0.71	0.10	0.09	0.66	0.28	7.49	0.53	0.05	0.37	0.09	0.23	0.07	0.27
G2-15 Orig	< 0.01	33.3	0.492	< 0.5	440	< 3	2.91	4.6	1.4	0.16	0.09	3.04	6.44	0.92	3.09	0.79	0.25	0.78	0.10	0.55	0.09	0.27	0.05	0.22
G2-15 Dup	0.01	26.2	0.417	< 0.5	430	< 3	3.16	4.6	1.3	0.12	0.05	3.45	6.98	0.93	3.35	0.79	0.22	0.86	0.12	0.56	0.09	0.29	0.05	0.25
G2-40 Orig	0.01	9.5	2.56	< 0.5	300	< 3	2.34	2.5	0.8	< 0.01	0.05	3.30	5.04	0.53	1.69	0.30	0.08	0.31	0.05	0.28	0.03	0.06	< 0.01	< 0.01
G2-40 Dup	< 0.01	20.1	2.71	< 0.5	320	< 3	3.15	1.2	0.8	< 0.01	0.05	4.20	6.34	0.65	2.11	0.44	0.09	0.48	0.07	0.37	0.06	0.10	< 0.01	< 0.01
G2-48 Orig	< 0.01	13.8	1.17	< 0.5	280	< 3	1.37	3.5	1.1	< 0.01	0.06	2.04	2.99	0.37	1.29	0.10	0.05	0.11	< 0.01	0.06	< 0.01	0.01	< 0.01	< 0.01
G2-48 Dup	< 0.01	12.6	1.37	< 0.5	270	6	1.09	3.5	1.0	< 0.01	0.05	1.67	2.58	0.33	1.20	0.07	0.06	0.09	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01
OC-007 Orig	< 0.01	17.0	0.387	< 0.5	80	< 3	0.16	0.8	0.7	< 0.01	0.17	0.51	0.91	0.07	0.14	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-007 Dup	< 0.01	17.2	0.406	< 0.5	90	< 3	0.13	0.8	0.8	< 0.01	0.18	0.49	0.76	0.05	0.08	< 0.01	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-034 Orig	< 0.01	4.4	0.106	< 0.5	230	< 3	2.05	15.0	0.7	0.53	< 0.02	3.36	10.2	1.19	4.92	1.04	0.29	1.04	0.07	0.57	0.09	0.27	0.02	0.27
OC-034 Dup	< 0.01	6.9	0.112	< 0.5	200	< 3	1.53	13.0	0.7	0.47	< 0.02	3.27	9.44	1.05	4.22	0.91	0.24	0.89	0.06	0.46	0.09	0.22	0.03	0.25
OC-043 Orig	< 0.01	7.6	0.396	< 0.5	90	< 3	< 0.05	4.2	0.9	0.15	0.09	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-043 Dup	< 0.01	8.3	0.403	< 0.5	70	< 3	< 0.05	4.5	1.1	0.15	0.10	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
OC-052 Orig	< 0.01	5.0	0.188	< 0.5	440	< 3	0.19	5.8	1.1	0.24	< 0.02	1.79	3.96	0.35	1.41	0.25	0.08	0.18	< 0.01	0.08	0.01	0.04	< 0.01	0.04
OC-052 Dup	< 0.01	6.1	0.166	< 0.5	330	< 3	0.11	5.3	1.2	0.23	0.02	1.86	4.02	0.35	1.20	0.27	0.08	0.12	< 0.01	0.13	< 0.01	0.04	< 0.01	0.07
Sb-017 Orig	< 0.01	2.3	0.073	< 0.5	120	8	< 0.05	2.6	0.6	0.09	0.04	1.87	1.24	0.28	0.79	0.09	0.02	< 0.01	< 0.01	< 0.01	< 0.01	0.03	< 0.01	< 0.01
Sb-017 Dup	< 0.01	2.4	0.056	< 0.5	150	11	< 0.05	2.8	0.6	0.09	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-027 Orig	< 0.01	3.5	0.655	< 0.5	150	< 3	< 0.05	2.2	1.4	0.08	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-027 Dup	< 0.01	3.8	0.650	< 0.5	150	< 3	< 0.05	1.7	1.3	0.04	0.08	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sb-036 Orig	< 0.01	3.1	1.02	< 0.5	220	< 3	< 0.05	0.3	0.2	0.01	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Quality Control

Analyte Symbol	In	Sn	Tl	Bi	Ti	Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.01	0.2	0.005	0.5	10	3	0.05	0.1	0.1	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
Sb-036 Dup	< 0.01	3.2	0.980	< 0.5	210	< 3	< 0.05	0.9	0.1	0.02	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
KEEZ-154EXTRA Orig	0.27	3.1	0.574	158	90	< 3	1.12	1.8	0.5	0.05	0.04	2.82	3.81	0.94	2.32	0.56	0.27	0.52	0.24	0.28	0.12	0.17	0.08	0.23
KEEZ-154EXTRA Dup	0.13	3.4	0.614	49.9	120	23	0.91	2.0	0.6	0.04	0.05	1.97	2.69	0.56	1.58	0.31	0.13	0.30	0.08	0.18	0.05	0.09	0.03	0.08
Method Blank	< 0.01	< 0.2	< 0.005	< 0.5	< 10	< 3	< 0.05	< 0.1	< 0.1	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Quality Control

Analyte Symbol	Lu	Li	Be	Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd	Os	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.01	0.5	0.1	10	0.4	0.1	0.1	0.01	0.5	0.5	0.5	0.5	0.5
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
TILL-1 Meas	0.36	1.4	0.8	< 10	23700	31.0	262	0.40	528				
TILL-1 Cert	600.0	15000	2400.0	13000	1420000	44000	291000	1000.0	702000				
TILL-2 Meas	0.57	28.2	5.0	30	5210	188	539	6.91	993				
TILL-2 Cert	600.0	47000	4000.0	12000	780000	143000	144000	12000	540000				
KEEZ-006 Orig	< 0.01	< 0.5	< 0.1	< 10	2110	39.2	1370	1.02	537	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-006 Dup	< 0.01	< 0.5	< 0.1	< 10	2680	33.7	1380	0.98	552	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-010A Orig	< 0.01	< 0.5	< 0.1	< 10	458	68.0	681	0.74	616	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-010A Dup	< 0.01	< 0.5	< 0.1	< 10	426	65.3	605	0.71	577	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-015A Orig	< 0.01	< 0.5	< 0.1	< 10	3670	149	54.3	1.79	143	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-015A Dup	< 0.01	< 0.5	< 0.1	< 10	5120	188	79.8	2.14	180	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-044 Orig	< 0.01	< 0.5	0.2	< 10	204	16.3	197	0.22	187	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-044 Dup	< 0.01	< 0.5	0.5	< 10	170	13.9	168	0.17	172	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-052 Orig	0.05	< 0.5	< 0.1	< 10	32.6	14.3	241	0.31	213	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-052 Dup	0.04	< 0.5	< 0.1	< 10	77.2	13.2	312	0.25	286	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-101 Orig	< 0.01	< 0.5	< 0.1	10	2.6	106	255	2.39	152	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-101 Dup	< 0.01	< 0.5	0.3	10	< 0.4	93.4	195	2.39	112	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-129 Orig	< 0.01	3.7	< 0.1	< 10	2190	25.7	565	0.38	301	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-129 Dup	< 0.01	2.9	0.1	10	2850	24.4	722	0.31	367	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-143A Orig	0.01	3.4	< 0.1	< 10	2520	442	180	8.34	454	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-143A Dup	0.01	6.5	< 0.1	< 10	2690	460	185	8.59	472	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-151 Orig	< 0.01	< 0.5	< 0.1	10	1140	28.3	758	0.63	360	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-151 Dup	< 0.01	< 0.5	< 0.1	20	1130	29.3	770	0.60	388	< 0.5	< 0.5	< 0.5	< 0.5
PEN-020 Orig	< 0.01	13.7	0.2	< 10	5210	31.4	565	0.52	573	< 0.5	< 0.5	< 0.5	< 0.5
PEN-020 Dup	< 0.01	13.1	0.3	10	3040	30.8	400	0.53	409	< 0.5	< 0.5	< 0.5	< 0.5
PEN-026 Orig	< 0.01	11.0	0.4	< 10	514	793	143	28.6	345	< 0.5	< 0.5	< 0.5	< 0.5
PEN-026 Dup	< 0.01	8.4	0.4	< 10	558	790	150	29.0	356	< 0.5	< 0.5	< 0.5	< 0.5
PEN-033 Orig	0.13	10.8	3.5	< 10	93.2	58.9	222	0.82	689	< 0.5	< 0.5	< 0.5	< 0.5
PEN-033 Dup	0.06	11.2	3.6	< 10	89.6	60.3	215	0.94	665	< 0.5	< 0.5	< 0.5	< 0.5
PEN-060 Orig	< 0.01	15.7	0.3	20	3560	37.2	852	0.13	358	< 0.5	< 0.5	< 0.5	< 0.5
PEN-060 Dup	< 0.01	14.4	0.2	20	3310	32.5	767	0.04	324	< 0.5	< 0.5	< 0.5	< 0.5
L-6 Orig	< 0.01	15.4	0.3	20	310	91.7	726	1.97	293	< 0.5	< 0.5	< 0.5	< 0.5
L-6 Dup	< 0.01	16.2	0.1	20	316	100	772	2.56	311	< 0.5	< 0.5	< 0.5	< 0.5
L-15 Orig	< 0.01	21.2	0.2	20	636	39.4	824	0.66	279	< 0.5	< 0.5	< 0.5	< 0.5
L-15 Dup	< 0.01	20.8	< 0.1	20	586	40.2	822	0.80	241	< 0.5	< 0.5	< 0.5	< 0.5
L-43 Orig	0.02	12.6	0.1	10	492	15.9	447	0.63	270	< 0.5	< 0.5	< 0.5	< 0.5
L-43 Dup	0.01	12.2	0.4	< 10	621	15.5	528	0.71	384	< 0.5	< 0.5	< 0.5	< 0.5
G2-6 Orig	< 0.01	13.4	< 0.1	< 10	385	400	217	24.9	261	< 0.5	< 0.5	< 0.5	< 0.5
G2-6 Dup	0.04	15.5	0.6	< 10	289	149	279	14.8	28400	< 0.5	0.7	< 0.5	< 0.5
G2-15 Orig	0.04	16.4	0.8	< 10	163	318	640	7.21	231	< 0.5	< 0.5	< 0.5	< 0.5
G2-15 Dup	0.04	19.5	0.8	< 10	156	320	619	6.74	218	< 0.5	< 0.5	< 0.5	< 0.5
G2-40 Orig	< 0.01	9.3	0.6	< 10	82.2	325	208	3.65	211	< 0.5	< 0.5	< 0.5	< 0.5
G2-40 Dup	< 0.01	9.4	0.8	< 10	96.8	333	249	3.98	245	< 0.5	< 0.5	< 0.5	< 0.5
G2-48 Orig	< 0.01	9.0	0.4	< 10	318	586	1160	6.93	457	< 0.5	< 0.5	< 0.5	< 0.5
G2-48 Dup	< 0.01	9.2	0.4	< 10	313	632	986	7.19	411	< 0.5	< 0.5	< 0.5	< 0.5
OC-007 Orig	< 0.01	5.3	< 0.1	< 10	5400	36.8	906	0.27	520	< 0.5	< 0.5	< 0.5	< 0.5
OC-007 Dup	< 0.01	6.0	< 0.1	< 10	6090	39.7	1050	0.21	565	< 0.5	< 0.5	< 0.5	< 0.5
OC-034 Orig	0.02	14.2	1.4	< 10	254	22.9	211	0.40	204	< 0.5	< 0.5	< 0.5	< 0.5
OC-034 Dup	< 0.01	10.7	1.5	< 10	240	22.0	204	0.43	194	< 0.5	< 0.5	< 0.5	< 0.5
OC-043 Orig	< 0.01	4.7	0.2	< 10	1770	21.7	881	0.15	101	< 0.5	0.8	< 0.5	< 0.5
OC-043 Dup	< 0.01	2.9	0.7	< 10	1920	18.9	790	0.20	108	< 0.5	< 0.5	< 0.5	< 0.5
OC-052 Orig	< 0.01	17.9	1.0	< 10	68.8	28.4	97.4	0.35	176	< 0.5	< 0.5	< 0.5	< 0.5
OC-052 Dup	< 0.01	12.8	0.6	< 10	65.4	27.8	100	0.29	182	< 0.5	< 0.5	< 0.5	< 0.5
Sb-017 Orig	< 0.01	5.9	< 0.1	< 10	950	5.2	249	< 0.01	48.9	< 0.5	0.7	< 0.5	< 0.5
Sb-017 Dup	< 0.01	6.3	< 0.1	< 10	805	3.8	258	< 0.01	49.0	< 0.5	< 0.5	< 0.5	< 0.5
Sb-027 Orig	< 0.01	8.1	0.2	< 10	5910	57.6	887	0.13	254	< 0.5	< 0.5	< 0.5	< 0.5
Sb-027 Dup	< 0.01	9.7	< 0.1	< 10	5570	61.8	895	0.10	246	< 0.5	< 0.5	< 0.5	< 0.5
Sb-036 Orig	< 0.01	4.8	< 0.1	< 10	486	11.9	654	1.73	454	< 0.5	< 0.5	< 0.5	< 0.5

Quality Control

Analyte Symbol	Lu	Li	Be	Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd	Os	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.01	0.5	0.1	10	0.4	0.1	0.1	0.01	0.5	0.5	0.5	0.5	0.5
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
Sb-036 Dup	< 0.01	5.1	0.3	< 10	518	10.2	686	1.66	464	< 0.5	< 0.5	< 0.5	< 0.5
KEEZ-154EXTRA Orig	0.16	7.9	0.3	< 10	2280	42.3	622	0.83	244	< 0.5	0.9	< 0.5	< 0.5
KEEZ-154EXTRA Dup	0.03	10.4	0.7	< 10	2560	45.3	712	0.82	245	< 0.5	0.8	< 0.5	< 0.5
Method Blank	< 0.01	< 0.5	< 0.1	< 10	< 0.4	< 0.1	< 0.1	< 0.01	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5

APPENDIX 3 RESPONSE RATIOS FOR MMI SAMPLE SET

ANALYTE	Sample_Site	Ag_RR	Al_RR	As_RR	Au_RR	Ba_RR	Bi_RR	Ca_RR
KEEZ014B	KEEZ014	1	33	4	0	4	1	0
KEEZ015B	KEEZ015	3	16	4	2	2	1	0
KEEZ016B	KEEZ016	3	4	2	1	4	1	1
KEEZ018B	KEEZ018	3	3	2	2	5	1	2
KEEZ020B	KEEZ020	3	8	4	1	4	1	2
KEEZ021B	KEEZ021	4	2	1	1	2	1	2
KEEZ022B	KEEZ022	3	2	1	3	2	1	2
KEEZ023B	KEEZ023	1	8	1	2	5	1	4
KEEZ024B	KEEZ024	2	10	1	1	2	1	3
KEEZ025B	KEEZ025	3	1	1	2	2	1	1
KEEZ026B	KEEZ026	1	14	1	3	1	1	1
KEEZ043B	KEEZ043	1	1	8	5	1	1	1
KEEZ044B	KEEZ044	3	1	1	2	2	1	2
KEEZ045B	KEEZ045	2	3	14	3	0	1	1
KEEZ046B	KEEZ046	3	1	8	3	3	1	1
KEEZ049B	KEEZ049	1	2	1	1	0	1	1
KEEZ052B	KEEZ052	1	1	1	7	2	1	1
KEEZ053B	KEEZ054	1	1	1	3	2	1	1
KEEZ054B	KEEZ055	3	3	1	6	2	1	2
KEEZ055B	KEEZ056	2	1	2	8	2	1	1
KEEZ056B	KEEZ057	2	15	2	1	1	1	1
KEEZ057B	KEEZ058	3	2	1	9	2	1	2
KEEZ058B	KEEZ059	3	1	2	5	1	1	1
KEEZ059B	KEEZ059	1	1	1	5	1	1	1
KEEZ060B	KEEZ061	2	1	1	4	1	1	1
KEEZ061B	KEEZ062	2	1	1	2	1	1	1
KEEZ062B	KEEZ063	2	1	1	2	2	1	1
KEEZ063B	KEEZ064	1	1	1	4	2	1	1
KEEZ064B	KEEZ065	1	1	1	2	2	1	1
KEEZ065B	KEEZ066	2	2	1	1	2	1	1
KEEZ066B	KEEZ067	3	1	1	3	1	1	1
KEEZ067B	KEEZ068	3	2	6	3	2	1	1
KEEZ068B	KEEZ069	3	1	1	7	2	1	1
KEEZ069B	KEEZ070	1	1	2	5	2	1	1
KEEZ070B	KEEZ071	2	2	1	1	1	1	1
KEEZ071B	KEEZ072	2	2	1	4	2	1	2
KEEZ072B	KEEZ073	2	1	2	4	2	1	1
KEEZ073B	KEEZ074	4	1	1	3	2	1	2
KEEZ074B	KEEZ075	2	2	1	4	1	1	2
KEEZ075B	KEEZ076	1	3	1	1	1	1	2
KEEZ076B	KEEZ077	2	5	4	2	1	1	1
KEEZ077B	KEEZ078	2	1	8	3	1	1	1
KEEZ078B	KEEZ079	2	6	4	16	0	1	1
KEEZ079B	KEEZ080	1	1	12	5	1	1	1
KEEZ080B	KEEZ081	7	3	1	3	2	1	2
KEEZ081B	KEEZ082	2	2	10	1	1	1	1

KEEZ082B	KEEZ083	1	3	1	2	0	1	2
KEEZ083B	KEEZ083	3	2	1	2	1	1	1
KEEZ084B	KEEZ085	3	2	1	3	2	1	1
KEEZ085B	KEEZ086	6	1	1	4	3	1	2
KEEZ086B	KEEZ087	1	4	1	2	0	1	2
KEEZ087B	KEEZ088	2	4	2	1	1	1	1
KEEZ088B	KEEZ089	1	2	1	13	0	1	1
KEEZ089B	KEEZ091	2	2	2	2	2	1	1
KEEZ091B	KEEZ092	1	4	10	2	1	1	1
KEEZ092B	KEEZ093	1	15	4	1	1	1	1
KEEZ093B	KEEZ094	1	2	2	0	1	1	1
KEEZ094B	KEEZ095	3	3	1	1	4	1	1
KEEZ095B	KEEZ096	1	4	2	1	1	1	1
KEEZ096B	KEEZ097	2	1	1	3	2	1	1
KEEZ097B	KEEZ098	1	1	2	3	0	1	1
KEEZ098B	KEEZ098	1	1	6	1	2	1	1
KEEZ099B	KEEZ134	2	3	6	0	1	1	2
KEEZ135B	KEEZ135	1	1	8	2	2	1	1
KEEZ136B	KEEZ136	3	2	4	1	3	1	2
KEEZ141B	KEEZ141	0	21	6	0	1	1	0
KEEZ051B	KEEZ051	1	1	4	5	2	1	1

Cd_RR	Ce_RR	Co_RR	Cr_RR	Cs_RR	Cu_RR	Dy_RR	Er_RR	Eu_RR
1	44	7	4	24	0	11	10	12
2	19	5	1	47	1	9	8	9
4	4	6	1	13	15	3	5	2
2	9	5	1	2	16	6	7	5
3	41	17	1	6	9	12	15	9
3	4	12	1	2	3	2	2	2
0	1	0	1	2	2	5	5	4
2	23	5	1	1	2	9	8	9
13	12	15	1	4	14	6	6	5
1	0	6	1	1	7	1	1	1
1	14	2	1	44	0	4	4	5
1	1	1	1	6	2	1	1	1
2	1	2	1	1	4	2	2	1
1	9	3	1	20	1	2	1	2
4	13	3	1	4	7	4	4	5
2	2	4	1	4	1	1	1	1
2	1	0	1	2	1	1	1	1
1	0	2	1	1	2	1	1	1
1	4	1	1	1	1	2	2	2
0	1	1	1	1	2	1	1	1
4	31	4	1	37	2	8	7	9
1	1	0	1	3	2	3	2	3
1	2	1	1	2	1	1	2	2
2	1	2	1	1	1	1	1	1
1	0	0	1	1	2	1	1	1
2	2	3	1	1	1	1	1	1
1	1	3	1	1	1	1	1	1
1	1	5	1	1	1	1	1	1
1	0	1	1	1	1	1	1	1
2	2	4	1	1	2	1	1	1
3	4	6	1	1	3	2	2	2
4	4	10	1	1	9	2	2	2
3	2	2	1	1	2	1	1	1
2	1	1	1	1	2	1	1	1
1	2	0	1	4	1	2	2	2
2	2	0	1	4	2	2	1	2
1	1	0	1	1	1	1	1	1
6	3	12	1	1	7	2	2	2
1	0	2	1	6	1	1	1	1
1	1	1	1	12	0	1	0	1
1	13	2	1	29	1	2	2	3
1	2	2	1	6	1	1	1	2
3	5	2	1	21	1	1	1	2
1	1	1	1	1	2	1	1	1
3	1	1	1	4	21	7	8	5
1	3	1	1	23	2	1	1	2

1	1	1	1	6	0	0	0	1
3	2	2	1	1	2	2	2	2
2	2	3	1	1	3	2	3	2
4	3	4	1	1	9	2	2	2
2	2	1	1	9	0	1	0	1
1	11	1	1	24	0	1	1	2
1	2	1	1	19	0	1	1	1
4	6	4	1	2	6	2	2	3
2	5	3	1	12	1	2	1	2
5	16	5	4	32	4	5	5	5
1	4	3	1	2	0	1	1	1
4	4	5	1	3	17	5	6	3
1	2	5	1	25	0	1	1	1
1	0	1	1	1	2	1	1	1
1	3	1	1	1	1	2	2	1
1	4	2	1	1	6	3	3	3
4	6	7	1	3	7	2	3	2
2	4	5	1	1	7	2	2	2
8	10	10	1	4	14	4	4	4
8	2	49	1	20	0	3	4	1
1	1	1	1	1	1	1	1	1

Fe_RR	Ga_RR	Gd_RR	Hg_RR	In_RR	K_RR	La_RR	Li_RR	Mg_RR
31	46	10	1	1	2	40	1	0
10	16	7	1	1	2	19	1	0
6	8	3	1	1	5	4	9	2
7	6	5	1	1	2	8	9	3
32	10	9	1	1	2	45	6	1
2	1	2	1	1	2	1	1	2
1	1	5	4	1	1	3	1	3
4	6	8	1	1	4	20	1	4
4	4	5	1	1	1	12	1	3
1	1	2	2	1	1	0	1	1
10	22	4	1	1	1	17	1	1
1	1	1	1	1	1	2	2	1
1	1	2	1	1	1	1	3	2
4	4	2	1	1	1	8	1	1
3	4	5	1	1	2	14	1	2
2	1	1	1	1	1	2	1	1
1	1	1	4	1	2	1	2	2
0	1	1	6	1	2	0	6	2
2	1	2	1	1	1	4	1	2
1	1	1	2	1	1	1	2	2
5	8	8	1	1	1	36	1	1
1	1	3	2	1	2	2	1	2
2	1	2	1	1	2	2	2	2
1	1	1	4	1	2	1	5	1
1	1	1	4	1	2	0	6	3
2	1	1	1	1	2	1	6	1
0	1	1	2	1	2	0	10	2
0	1	1	2	1	2	0	8	1
0	1	1	6	1	3	0	15	1
1	1	1	1	1	2	1	5	1
1	1	2	1	1	2	2	5	1
4	2	2	1	1	2	3	7	1
1	1	1	1	1	2	1	15	2
0	1	1	4	1	2	1	6	1
2	1	2	1	1	1	4	1	1
1	1	2	1	1	2	2	2	1
2	1	1	2	1	2	2	2	1
1	1	3	2	1	2	2	17	2
1	1	1	1	1	2	1	3	2
2	1	1	1	1	1	2	1	2
4	6	3	1	1	1	12	1	1
2	1	1	1	1	1	4	1	1
4	4	2	1	1	1	5	1	1
2	1	1	1	1	1	2	2	1
2	1	6	4	1	1	5	3	3
3	1	1	1	1	2	4	4	1

1	1	0	1	1	1	1	1	2
1	1	2	4	1	2	1	2	3
1	1	2	4	1	2	1	4	3
1	1	3	1	1	2	3	2	3
2	1	1	1	1	1	1	1	2
4	6	2	1	1	1	5	1	1
2	2	1	1	1	1	2	1	1
2	2	3	1	1	2	5	1	1
5	6	2	1	1	1	7	1	1
8	18	5	1	1	0	21	1	0
3	4	1	1	1	1	4	3	0
7	6	4	1	1	5	4	8	2
3	4	1	1	1	1	2	1	1
1	1	1	4	1	1	1	3	2
1	1	2	2	1	2	1	4	2
3	1	3	1	1	2	4	3	1
8	2	2	1	1	2	6	3	2
5	1	2	1	1	1	4	1	1
3	2	4	1	1	2	10	6	2
55	50	1	1	1	2	2	1	0
2	1	1	2	1	2	1	2	2

Mn_RR	Mo_RR	Nb_RR	Nd_RR	Ni_RR	P_RR	Pb_RR	Pd_RR	Pr_RR
1	1	64	17	1	54	15	1	21
2	2	23	11	1	22	28	1	12
13	16	9	3	4	2	55	1	3
15	37	16	6	4	4	45	1	6
31	34	36	18	8	10	49	1	22
11	2	2	2	3	1	3	1	1
0	1	1	3	1	1	1	1	3
2	1	1	12	8	1	1	1	13
9	1	4	7	16	1	16	1	8
1	1	1	0	2	1	3	1	0
1	1	16	7	1	14	6	1	9
1	1	1	1	1	2	1	1	1
1	1	1	1	1	1	5	1	1
3	1	2	4	2	6	1	1	4
1	3	11	7	1	8	15	1	8
2	3	1	1	2	6	1	1	1
1	1	1	1	1	1	2	1	1
2	3	1	1	1	1	2	1	1
0	1	1	3	1	1	1	1	3
1	1	1	1	1	1	1	1	1
2	1	5	14	5	8	3	1	18
1	1	1	2	1	1	1	1	2
1	1	1	2	1	1	1	1	2
2	4	1	1	1	1	2	1	1
1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	2	1	1
4	1	1	0	1	1	4	1	0
4	1	1	0	1	1	2	1	0
1	2	1	1	1	1	2	1	1
5	1	1	1	2	1	2	1	1
15	4	1	2	3	1	4	1	1
9	2	10	2	3	4	10	1	3
2	2	1	1	2	1	3	1	1
2	1	1	1	1	1	2	1	1
1	1	3	2	1	4	1	1	3
1	1	1	2	1	1	1	1	2
1	1	2	1	1	1	2	1	1
4	1	1	2	6	1	5	1	2
1	1	1	1	1	1	1	1	1
0	1	1	1	1	2	1	1	1
2	1	5	5	2	6	2	1	7
1	1	2	2	1	2	1	1	3
3	1	4	3	3	8	2	1	3
1	1	4	1	1	2	2	1	1
0	1	1	4	8	4	8	1	4
1	1	8	2	2	6	1	1	2

0	1	1	1	1	1	1	1	1
9	1	1	1	2	1	4	1	1
10	1	1	1	2	1	4	1	1
2	1	1	2	2	1	9	1	2
1	1	1	1	1	4	1	1	1
2	1	8	3	1	10	2	1	3
1	1	5	1	0	10	1	1	2
14	1	4	3	2	6	5	1	4
2	2	7	4	2	12	9	1	4
6	3	22	9	5	36	11	1	11
18	3	6	2	1	10	1	1	2
16	18	4	3	2	1	49	1	3
5	2	5	1	1	10	2	1	1
1	1	1	1	1	1	2	1	1
9	10	1	1	1	1	3	1	1
10	7	1	3	1	4	8	1	3
14	22	5	3	5	6	10	1	4
14	7	6	2	2	4	9	1	3
9	19	7	6	13	4	23	1	7
2	1	34	1	1	98	1	1	1
1	1	2	1	1	2	2	1	1

Pt_RR	Rb_RR	Sb_RR	Sc_RR	Sm_RR	Sn_RR	Sr_RR	Ta_RR	Tb_RR
1	12	1	24	13	4	1	4	14
1	9	1	22	8	1	0	1	10
1	9	6	6	2	1	2	1	4
1	1	6	6	5	1	2	1	6
1	3	1	23	11	1	2	1	14
1	1	1	2	2	1	2	1	2
1	3	1	5	4	1	2	1	6
1	0	1	8	9	1	5	1	10
1	1	1	8	6	1	2	1	8
1	1	1	3	1	1	1	1	1
1	10	1	9	5	1	0	1	6
1	2	1	1	1	1	1	1	1
1	2	1	1	1	1	1	1	2
1	2	1	2	3	1	1	1	2
1	4	1	4	5	1	1	1	6
1	1	1	1	1	1	1	1	1
1	2	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	2	1	2	2	1	2	1	2
1	2	1	1	1	1	1	1	1
1	8	1	8	10	1	1	1	10
1	2	1	3	2	1	2	1	4
1	2	1	2	2	1	1	1	2
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	2	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	0	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	2	1	1	1	2
1	0	2	2	2	1	2	1	2
1	0	1	1	1	1	1	1	1
1	0	1	1	1	1	1	1	1
1	3	1	2	2	1	1	1	2
1	4	1	2	2	1	2	1	2
1	3	1	1	1	1	1	1	1
1	1	1	2	3	1	1	1	4
1	2	1	1	1	1	2	1	1
1	2	1	1	1	1	2	1	1
1	5	1	3	4	1	1	1	4
1	2	1	2	2	1	1	1	1
1	2	1	1	2	1	1	1	2
1	2	1	1	1	1	1	1	1
1	6	1	5	5	1	2	1	8
1	4	1	2	2	1	1	1	1

1	1	1	1	1	1	2	1	1
1	1	1	1	1	1	1	1	2
1	1	1	2	1	1	2	1	2
1	3	1	2	2	1	2	1	4
1	1	1	1	1	1	2	1	1
1	6	1	1	2	1	1	1	1
1	2	1	1	1	1	1	1	1
1	2	1	2	3	1	1	1	2
1	2	1	3	2	1	1	1	2
1	3	1	7	6	1	1	1	6
1	1	1	1	1	1	1	1	1
1	5	4	4	3	1	3	1	6
1	2	1	1	1	1	1	1	1
1	1	1	1	1	1	2	1	1
1	0	1	1	2	1	2	1	2
1	1	2	1	3	1	2	1	4
1	2	2	3	2	1	2	1	2
1	3	2	1	2	1	1	1	2
1	4	4	2	5	1	2	1	6
1	2	1	34	1	1	0	1	2
1	2	1	1	1	1	1	1	1

Te_RR	Th_RR	Ti_RR	Tl_RR	U_RR	W_RR	Y_RR	Yb_RR	Zn_RR
1	16	530	1	2	4	8	13	2
1	3	246	1	2	4	7	10	2
1	4	56	1	13	4	3	7	5
1	12	32	1	25	2	5	11	2
1	15	46	3	24	4	12	22	3
1	2	1	1	2	1	2	3	1
1	2	0	1	1	1	4	7	1
1	6	0	1	8	1	7	7	4
1	3	3	1	53	1	6	7	1
1	1	2	1	1	1	1	2	1
1	4	194	1	1	1	3	5	1
1	1	6	2	1	1	1	1	5
1	1	1	1	0	1	2	2	1
1	2	12	1	2	6	1	2	3
1	8	53	1	4	2	4	6	1
1	2	2	1	6	1	1	1	7
1	1	1	1	1	1	1	1	2
1	0	1	1	1	2	1	1	1
1	1	3	1	1	1	1	2	1
1	1	1	1	0	1	1	2	1
1	5	31	2	3	1	7	9	5
1	2	0	1	1	1	2	3	2
1	1	9	1	1	1	2	2	2
1	1	1	1	4	1	1	1	2
1	0	1	1	1	1	1	1	1
1	1	7	1	2	1	1	2	2
1	1	0	1	1	1	1	1	2
1	1	0	1	1	4	1	1	3
1	1	0	1	3	1	1	1	5
1	1	8	1	4	1	1	1	3
1	2	8	1	7	1	2	2	2
1	5	46	1	12	4	2	3	2
1	1	1	1	1	1	1	1	5
1	1	0	1	0	1	1	1	3
1	2	13	1	1	1	2	2	5
1	2	3	1	2	1	2	2	4
1	1	10	1	0	1	1	2	3
1	2	0	1	6	1	2	3	1
1	1	1	1	1	1	1	1	2
1	1	1	1	2	1	0	1	7
1	4	27	1	2	1	2	3	4
1	1	12	1	1	1	1	2	2
1	3	16	1	11	1	1	2	12
1	1	15	1	1	1	1	2	2
1	3	4	1	9	1	6	11	1
1	2	40	3	2	1	1	2	6

1	1	0	1	2	1	0	1	5
1	1	0	1	1	1	2	3	1
1	1	6	1	1	1	2	4	2
1	2	1	2	1	1	2	3	1
1	1	1	1	5	1	0	1	7
1	3	35	1	3	1	1	2	30
1	1	19	1	3	1	1	1	8
1	3	23	1	3	1	2	3	2
1	5	37	1	10	2	1	2	8
1	6	122	7	37	1	4	7	14
1	2	34	1	2	1	1	1	5
1	6	31	1	1	1	5	10	2
1	3	25	1	1	1	1	1	24
1	0	1	1	1	1	1	2	2
1	1	4	1	0	1	2	3	1
1	2	7	1	3	1	3	4	1
1	4	10	1	20	2	2	4	3
1	4	18	1	2	1	2	4	1
1	5	3	3	12	2	4	5	3
1	2	880	1	1	1	3	7	10
1	1	17	1	1	1	1	2	2

Zr_RR

15
4
6
10
12
1
1
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1
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APPENDIX 5 ENZYME LEACH CORRELATION COEFFICIENTS

	Sample_Coa	Depth	length	Ag	Al	As_	Au	Ba	Ca
ample_Cod	1.0								
Depth	0.2	1.0							
length	0.2	-0.2	1.0						
Ag	-0.4	-0.2	0.2	1.0					
Al	0.2	-0.2	0.2	-0.3	1.0				
As_	0.1	0.1	0.1	-0.3	0.0	1.0			
Au	-0.3	0.1	-0.2	0.4	-0.5	-0.3	1.0		
Ba	0.4	0.0	0.4	0.2	0.0	-0.1	-0.2	1.0	
Ca	0.2	0.4	0.2	0.0	0.3	-0.3	-0.2	0.4	1.0
Cd	0.1	-0.4	0.3	0.1	0.5	0.0	-0.4	0.0	0.3
Ce	0.3	0.2	0.1	-0.3	0.6	0.3	-0.4	0.3	0.4
Co	0.4	0.0	0.2	-0.1	0.5	0.1	-0.5	0.2	0.3
Cr	-0.2	-0.4	0.1	-0.3	0.7	0.2	-0.3	-0.3	-0.2
Cs	-0.1	-0.5	0.1	-0.2	0.7	0.2	-0.4	-0.1	-0.2
Cu	0.2	-0.3	0.3	0.6	0.0	-0.1	-0.3	0.5	0.1
Dy	0.3	0.1	0.2	0.1	0.6	0.0	-0.3	0.5	0.5
Er	0.4	0.1	0.2	0.1	0.5	0.0	-0.3	0.5	0.4
Eu	0.3	0.2	0.2	0.0	0.6	0.1	-0.3	0.5	0.7
Fe	0.4	0.1	0.2	-0.1	0.4	0.3	-0.4	0.3	0.0
Ga	0.2	-0.4	0.2	-0.3	0.8	0.2	-0.5	0.2	0.0
Gd	0.3	0.1	0.2	0.1	0.6	0.1	-0.3	0.5	0.6
Hg	-0.3	0.1	-0.1	0.3	-0.3	-0.4	0.6	-0.4	-0.2
K	0.6	-0.1	0.1	0.0	-0.2	-0.2	-0.1	0.6	0.0
La	0.2	0.1	0.2	-0.2	0.7	0.3	-0.4	0.3	0.3
Li	0.4	0.0	0.0	0.0	-0.3	-0.2	-0.1	0.5	-0.3
Mg	0.0	0.3	0.1	0.4	-0.1	-0.6	0.2	0.4	0.8
Mn	0.5	0.1	0.0	-0.2	0.2	0.1	-0.5	0.3	-0.1
Mo	0.5	0.2	0.0	-0.1	0.0	0.2	-0.5	0.5	0.0
Nb	0.2	-0.1	0.2	-0.1	0.5	0.4	-0.4	0.3	-0.1
Nd	0.3	0.2	0.2	-0.1	0.7	0.3	-0.4	0.4	0.5
Ni	0.2	0.0	0.2	0.1	0.5	-0.1	-0.4	0.1	0.6
P	-0.2	-0.3	0.1	-0.3	0.7	0.4	-0.3	-0.2	-0.2
Pb	0.5	-0.3	0.2	0.1	0.1	0.0	-0.4	0.7	-0.1
Pr	0.3	0.1	0.2	-0.2	0.7	0.3	-0.4	0.4	0.4
Rb	0.0	-0.6	0.2	0.4	0.0	0.1	-0.2	0.3	-0.2
Sb	0.4	-0.1	0.1	0.0	-0.1	0.0	-0.4	0.6	0.0
Sc	0.4	0.0	0.2	0.0	0.6	0.1	-0.3	0.4	0.3
Sm	0.3	0.2	0.2	-0.1	0.6	0.2	-0.4	0.5	0.6
Sr	0.4	0.4	-0.2	-0.1	0.1	-0.4	-0.2	0.5	0.8
Tb	0.3	0.1	0.2	0.1	0.6	0.1	-0.3	0.5	0.5
Th	0.4	0.1	0.2	0.0	0.4	0.3	-0.4	0.6	0.2
Ti	0.0	-0.5	0.1	-0.2	0.6	0.4	-0.3	0.1	-0.3
Tl	-0.3	-0.2	0.1	-0.2	0.7	0.2	-0.3	-0.2	-0.1
U	0.3	-0.3	0.2	-0.2	0.8	0.1	-0.5	0.0	0.3
W	0.3	-0.1	0.1	0.0	0.1	0.3	-0.3	0.4	-0.1
Y	0.3	0.1	0.2	0.1	0.6	0.0	-0.4	0.5	0.4
Yb	0.3	0.0	0.2	0.2	0.4	0.1	-0.3	0.5	0.2
Zn	0.0	-0.3	0.1	-0.4	0.8	0.1	-0.4	-0.1	-0.1
Zr	0.3	-0.1	0.2	0.0	0.3	0.2	-0.3	0.6	-0.1

Cd	*Ce*	*Co*	*Cr*	*Cs*	*Cu*	*Dy*	*Er*	*Eu*	*Fe*
1.0									
0.2	1.0								
0.7	0.7	1.0							
0.1	0.2	0.0	1.0						
0.2	0.2	0.2	0.9	1.0					
0.5	0.0	0.3	-0.2	0.0	1.0				
0.2	0.8	0.6	0.1	0.2	0.4	1.0			
0.1	0.8	0.7	0.0	0.2	0.4	1.0	1.0		
0.2	0.9	0.6	0.1	0.2	0.2	0.9	0.9	1.0	
0.0	0.8	0.7	0.1	0.3	0.2	0.7	0.8	0.6	1.0
0.2	0.6	0.4	0.8	0.9	0.1	0.5	0.5	0.5	0.6
0.2	0.8	0.6	0.1	0.2	0.4	1.0	0.9	1.0	0.7
-0.3	-0.4	-0.4	-0.1	-0.2	-0.2	-0.3	-0.3	-0.4	-0.3
-0.1	-0.1	0.0	-0.4	-0.1	0.3	0.1	0.1	0.0	0.1
0.2	1.0	0.7	0.3	0.4	0.0	0.9	0.8	0.9	0.9
-0.2	-0.1	0.1	-0.3	-0.1	0.5	0.0	0.2	-0.1	0.3
0.1	-0.1	0.0	-0.5	-0.5	0.1	0.2	0.1	0.2	-0.3
0.0	0.5	0.6	-0.1	0.1	0.2	0.4	0.6	0.3	0.8
0.0	0.4	0.5	-0.1	0.0	0.4	0.4	0.5	0.3	0.7
0.1	0.8	0.6	0.4	0.5	0.2	0.7	0.7	0.6	0.9
0.2	1.0	0.7	0.2	0.3	0.1	0.9	0.9	0.9	0.8
0.8	0.4	0.8	0.0	0.1	0.5	0.5	0.4	0.5	0.2
0.1	0.4	0.1	0.9	0.9	-0.1	0.2	0.2	0.3	0.3
0.2	0.3	0.5	-0.1	0.2	0.6	0.4	0.6	0.3	0.6
0.2	1.0	0.7	0.2	0.3	0.1	0.9	0.9	0.9	0.8
0.2	0.0	0.1	0.0	0.3	0.7	0.2	0.2	0.1	0.2
0.0	-0.1	0.1	-0.1	0.1	0.6	0.0	0.1	-0.1	0.1
0.2	0.9	0.8	0.1	0.3	0.2	0.9	0.9	0.8	0.9
0.3	0.9	0.7	0.2	0.2	0.2	1.0	0.9	1.0	0.7
0.0	0.3	0.2	-0.4	-0.4	0.1	0.5	0.4	0.5	0.1
0.3	0.8	0.7	0.1	0.2	0.4	1.0	0.9	0.9	0.7
0.1	0.8	0.6	0.1	0.2	0.3	0.8	0.8	0.8	0.8
0.1	0.4	0.2	0.8	0.9	0.1	0.3	0.3	0.3	0.4
0.2	0.4	0.3	0.9	0.8	-0.1	0.3	0.2	0.3	0.4
0.7	0.4	0.7	0.4	0.5	0.3	0.5	0.4	0.4	0.4
0.0	0.5	0.5	-0.1	0.2	0.3	0.4	0.5	0.3	0.7
0.2	0.9	0.7	0.1	0.2	0.4	1.0	1.0	0.9	0.8
0.1	0.8	0.6	0.0	0.2	0.5	0.9	1.0	0.7	0.9
0.1	0.3	0.1	0.9	0.9	-0.1	0.2	0.1	0.2	0.2
-0.1	0.6	0.5	0.2	0.3	0.4	0.6	0.7	0.5	0.8

Ga	Gd	Hg	K	La	Li	Mg	Mn	Mo	Nb
1.0									
0.5	1.0								
-0.4	-0.3	1.0							
0.1	0.0	-0.2	1.0						
0.6	0.8	-0.4	-0.1	1.0					
0.1	0.0	-0.1	0.6	-0.1	1.0				
-0.4	0.2	0.1	0.2	-0.2	-0.1	1.0			
0.3	0.3	-0.3	0.3	0.5	0.6	-0.2	1.0		
0.3	0.4	-0.4	0.3	0.4	0.7	-0.1	0.8	1.0	
0.8	0.6	-0.4	-0.1	0.8	0.2	-0.4	0.7	0.6	1.0
0.6	0.9	-0.4	-0.1	1.0	-0.1	0.0	0.5	0.4	0.8
0.2	0.6	-0.2	-0.1	0.4	-0.1	0.3	0.1	0.1	0.2
0.8	0.2	-0.2	-0.4	0.5	-0.3	-0.6	0.1	0.0	0.6
0.4	0.4	-0.4	0.6	0.3	0.8	-0.1	0.7	0.8	0.6
0.6	0.9	-0.4	-0.1	1.0	-0.1	-0.1	0.5	0.4	0.8
0.2	0.2	-0.2	0.5	0.1	0.4	-0.3	0.1	0.2	0.2
0.2	0.0	-0.3	0.6	-0.2	0.8	0.0	0.4	0.6	0.2
0.6	0.8	-0.3	0.0	0.9	0.1	-0.1	0.7	0.5	0.8
0.6	1.0	-0.4	0.0	0.9	-0.1	0.1	0.4	0.4	0.7
-0.1	0.5	-0.2	0.4	0.2	0.0	0.7	0.1	0.1	-0.2
0.5	1.0	-0.4	0.1	0.9	0.0	0.1	0.4	0.3	0.6
0.6	0.8	-0.5	0.1	0.8	0.3	-0.1	0.6	0.7	0.9
0.9	0.3	-0.3	0.0	0.5	0.1	-0.6	0.2	0.2	0.7
0.8	0.3	-0.2	-0.4	0.5	-0.2	-0.4	0.1	0.0	0.6
0.6	0.5	-0.4	-0.2	0.5	-0.1	-0.1	0.3	0.3	0.5
0.4	0.4	-0.3	0.4	0.5	0.5	-0.3	0.7	0.7	0.7
0.5	1.0	-0.3	0.0	0.9	0.1	0.1	0.6	0.5	0.7
0.5	0.8	-0.2	0.1	0.8	0.3	-0.1	0.7	0.6	0.8
0.9	0.2	-0.2	-0.1	0.4	-0.1	-0.4	0.0	0.0	0.4
0.6	0.6	-0.4	0.2	0.6	0.5	-0.3	0.7	0.8	0.9

Nd	*Ni*	*P*	*Pb*	*Pr*	*Rb*	*Sb*	*Sc*	*Sm*	*Sr*
1.0									
0.5	1.0								
0.4	0.0	1.0							
0.3	0.1	0.0	1.0						
1.0	0.5	0.4	0.3	1.0					
0.1	0.1	0.1	0.6	0.0	1.0				
-0.1	0.1	-0.1	0.8	-0.1	0.5	1.0			
0.9	0.4	0.3	0.5	0.9	0.2	0.0	1.0		
1.0	0.5	0.3	0.3	1.0	0.1	-0.1	0.9	1.0	
0.3	0.3	-0.4	0.1	0.3	-0.1	0.1	0.2	0.4	1.0
0.9	0.6	0.2	0.4	0.9	0.2	0.0	0.9	1.0	0.5
0.8	0.2	0.3	0.7	0.8	0.2	0.3	0.8	0.8	0.2
0.4	-0.1	0.9	0.4	0.4	0.4	0.2	0.4	0.3	-0.4
0.4	0.2	0.9	0.1	0.5	0.1	-0.1	0.3	0.4	-0.4
0.5	0.7	0.5	0.3	0.5	0.0	0.1	0.5	0.5	0.0
0.5	0.2	0.1	0.7	0.5	0.6	0.5	0.6	0.4	0.0
0.9	0.5	0.2	0.5	0.9	0.2	0.0	0.9	0.9	0.4
0.8	0.4	0.2	0.7	0.8	0.3	0.2	0.9	0.8	0.2
0.3	0.1	0.9	0.1	0.3	0.1	0.1	0.2	0.3	-0.2
0.6	0.0	0.4	0.8	0.6	0.3	0.5	0.7	0.6	-0.1

Tb	*Th*	*Ti*	*Tl*	*U*	*W*	*Y*	*Yb*	*Zn*	*Zr*
1.0									
0.8	1.0								
0.3	0.5	1.0							
0.3	0.3	0.7	1.0						
0.5	0.4	0.4	0.4	1.0					
0.4	0.6	0.4	0.1	0.2	1.0				
1.0	0.8	0.3	0.3	0.5	0.5	1.0			
0.9	0.9	0.4	0.2	0.4	0.6	0.9	1.0		
0.1	0.2	0.8	0.8	0.4	0.1	0.1	0.1	1.0	
0.6	0.9	0.6	0.3	0.4	0.7	0.7	0.8	0.3	1.0

	Depth	length	Ag	Al	As_	Au	Ba	Ca	Cd
Depth	1.0								
length	0.0	1.0							
Ag	0.0	0.2	1.0						
Al	-0.2	-0.4	-0.2	1.0					
As_	0.2	-0.3	-0.2	0.1	1.0				
Au	-0.1	0.0	0.0	-0.1	-0.1	1.0			
Ba	0.0	0.2	0.6	-0.3	-0.3	0.0	1.0		
Ca	0.0	0.3	0.4	-0.4	-0.3	0.0	0.1	1.0	
Cd	-0.1	-0.4	0.1	0.5	0.0	-0.1	0.0	-0.2	1.0
Ce	0.1	-0.2	0.0	0.7	0.1	-0.2	-0.2	-0.3	0.2
Co	-0.2	-0.4	-0.1	0.6	0.1	-0.2	-0.1	-0.4	0.8
Cs	-0.1	-0.3	-0.2	0.8	0.2	-0.1	-0.4	-0.4	0.1
Cu	0.1	0.0	0.5	-0.2	0.1	-0.1	0.5	0.2	0.4
Dy	0.0	-0.2	0.3	0.7	0.0	-0.1	0.2	-0.2	0.2
Er	-0.1	-0.2	0.3	0.7	0.0	-0.2	0.2	-0.3	0.3
Eu	0.0	-0.2	0.3	0.7	0.1	-0.1	0.1	-0.2	0.2
Fe	-0.2	-0.4	-0.3	0.8	0.2	-0.2	-0.2	-0.5	0.6
Ga	-0.3	-0.4	-0.3	0.9	0.1	-0.2	-0.2	-0.6	0.6
Gd	0.0	-0.1	0.4	0.6	0.0	-0.1	0.2	-0.1	0.2
Hg	0.1	0.0	0.0	-0.3	-0.3	0.1	0.4	-0.1	-0.2
K	0.4	-0.1	0.3	-0.1	-0.2	-0.1	0.5	-0.2	0.3
La	0.1	-0.2	0.0	0.7	0.1	-0.1	-0.2	-0.2	0.1
Li	0.3	0.0	0.2	-0.3	-0.2	0.0	0.3	-0.1	0.2
Mg	0.0	0.4	0.4	-0.5	-0.4	0.1	0.4	0.8	-0.2
Mn	0.1	0.1	0.1	-0.1	0.0	-0.2	0.0	-0.1	0.3
Mo	0.2	-0.1	-0.1	-0.1	0.1	-0.2	0.1	-0.2	0.1
Nb	-0.2	-0.5	-0.2	0.8	0.3	-0.2	-0.2	-0.6	0.5
Nd	0.0	-0.2	0.1	0.7	0.1	-0.1	-0.1	-0.2	0.1
Ni	0.1	-0.1	0.5	0.1	0.0	-0.1	0.0	0.2	0.6
P	-0.2	-0.5	-0.3	0.8	0.2	-0.2	-0.3	-0.5	0.6
Pb	-0.1	-0.3	0.3	0.4	0.2	-0.1	0.2	-0.4	0.2
Pr	0.1	-0.2	0.1	0.7	0.1	-0.1	-0.1	-0.2	0.1
Rb	0.0	-0.1	0.0	0.7	0.1	-0.1	-0.1	-0.3	0.0
Sb	0.1	-0.2	0.0	-0.1	0.3	-0.1	0.2	0.0	0.2
Sc	-0.2	-0.4	0.0	0.9	0.1	-0.2	-0.1	-0.5	0.6
Sm	0.0	-0.2	0.3	0.6	0.1	-0.1	0.0	-0.2	0.1
Sr	0.1	0.3	0.4	-0.6	-0.3	0.0	0.4	0.8	-0.2
Tb	0.0	-0.1	0.3	0.7	0.0	-0.1	0.1	-0.2	0.2
Th	0.0	-0.3	0.0	0.5	0.3	-0.2	-0.1	-0.2	0.2
Ti	-0.2	-0.4	-0.2	0.8	0.2	-0.2	-0.2	-0.5	0.6
Tl	0.4	-0.3	0.0	0.1	0.3	-0.1	-0.2	0.1	0.0
U	0.0	-0.4	0.0	0.0	0.1	0.2	-0.2	0.0	0.4
W	0.1	-0.2	0.1	0.1	0.4	0.0	0.0	-0.3	0.0
Y	0.0	-0.2	0.3	0.7	0.0	-0.1	0.2	-0.2	0.3
Yb	-0.1	-0.2	0.3	0.7	0.1	-0.2	0.2	-0.3	0.4
Zn	-0.2	-0.1	-0.4	0.2	0.0	0.0	-0.4	-0.2	0.1
Zr	0.1	-0.4	0.1	0.3	0.4	-0.2	0.2	-0.4	0.3

Ce	Co	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd
1.0									
0.0	1.0								
0.8	0.1	1.0							
0.0	0.2	-0.3	1.0						
0.8	0.1	0.6	0.1	1.0					
0.7	0.3	0.6	0.1	1.0	1.0				
0.9	0.0	0.7	0.1	1.0	0.9	1.0			
0.1	0.9	0.3	-0.1	0.2	0.4	0.1	1.0		
0.3	0.8	0.5	-0.2	0.4	0.5	0.3	1.0	1.0	
0.8	0.0	0.6	0.2	1.0	0.9	1.0	0.1	0.3	1.0
-0.3	-0.2	-0.3	0.0	-0.1	-0.1	-0.2	-0.2	-0.2	-0.1
-0.2	0.2	-0.3	0.3	0.0	0.0	-0.1	0.0	0.0	0.0
1.0	0.0	0.8	0.0	0.8	0.8	0.9	0.2	0.3	0.8
-0.2	0.0	-0.3	0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
-0.5	-0.3	-0.6	0.0	-0.2	-0.2	-0.3	-0.4	-0.5	-0.2
0.0	0.2	-0.2	0.5	0.0	0.0	0.0	0.0	-0.1	0.0
0.0	0.1	-0.1	0.3	0.0	0.0	0.0	0.0	-0.1	0.0
0.4	0.7	0.6	0.0	0.5	0.6	0.4	0.9	0.9	0.4
1.0	0.0	0.7	0.0	0.9	0.8	1.0	0.1	0.3	0.9
0.4	0.2	0.1	0.6	0.3	0.3	0.3	0.0	-0.1	0.4
0.2	0.9	0.4	-0.2	0.2	0.4	0.1	1.0	1.0	0.1
0.5	0.1	0.4	0.3	0.6	0.6	0.6	0.1	0.2	0.6
1.0	0.0	0.8	0.0	0.9	0.8	0.9	0.1	0.3	0.9
0.8	0.0	0.8	-0.2	0.8	0.7	0.8	0.2	0.4	0.8
0.0	0.1	-0.1	0.7	0.0	0.1	0.0	0.0	-0.1	0.0
0.4	0.8	0.5	-0.1	0.6	0.7	0.5	0.9	0.9	0.5
0.9	0.0	0.7	0.1	0.9	0.9	1.0	0.1	0.3	1.0
-0.5	-0.4	-0.6	0.2	-0.3	-0.3	-0.3	-0.5	-0.6	-0.2
0.8	0.1	0.6	0.1	1.0	0.9	1.0	0.2	0.3	1.0
0.7	0.1	0.6	0.2	0.6	0.5	0.6	0.2	0.3	0.6
0.2	0.9	0.4	-0.1	0.3	0.4	0.2	1.0	1.0	0.2
0.3	-0.1	0.3	0.0	0.2	0.2	0.2	0.0	0.0	0.2
0.1	0.1	0.0	0.3	0.0	0.0	0.1	0.0	-0.1	0.0
0.2	0.1	0.2	0.1	0.2	0.2	0.3	0.0	0.1	0.2
0.8	0.2	0.6	0.2	1.0	1.0	1.0	0.3	0.4	1.0
0.7	0.4	0.6	0.2	0.9	1.0	0.9	0.5	0.6	0.9
0.1	0.1	0.4	-0.3	-0.1	-0.1	-0.1	0.2	0.2	-0.2
0.4	0.2	0.3	0.5	0.5	0.5	0.5	0.2	0.3	0.5

Hg	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
1.0									
0.4	1.0								
-0.3	-0.2	1.0							
0.4	0.7	-0.3	1.0						
0.4	0.1	-0.4	0.2	1.0					
-0.2	0.1	0.0	0.1	-0.3	1.0				
0.0	0.2	0.0	0.1	-0.3	0.6	1.0			
-0.3	0.0	0.4	-0.2	-0.6	0.0	0.1	1.0		
-0.2	-0.2	1.0	-0.3	-0.4	0.0	0.0	0.4	1.0	
-0.2	0.1	0.3	0.3	0.0	0.3	0.2	-0.1	0.3	1.0
-0.2	0.0	0.2	-0.2	-0.5	0.0	0.0	0.9	0.1	-0.1
-0.1	0.2	0.4	0.0	-0.4	0.2	0.4	0.5	0.5	0.2
-0.3	-0.2	1.0	-0.3	-0.4	0.0	0.0	0.4	1.0	0.3
-0.3	-0.2	0.8	-0.4	-0.4	-0.2	-0.1	0.5	0.8	0.0
-0.1	0.1	0.0	0.0	-0.2	0.4	0.6	0.1	0.0	0.2
-0.1	0.1	0.4	-0.2	-0.4	-0.1	0.0	0.9	0.4	0.0
-0.2	-0.1	0.9	-0.2	-0.3	0.0	0.0	0.4	1.0	0.4
0.3	0.1	-0.4	0.2	0.8	-0.1	0.0	-0.6	-0.4	0.1
-0.1	0.0	0.8	-0.1	-0.2	-0.1	0.0	0.4	0.9	0.4
-0.4	-0.2	0.7	-0.3	-0.5	0.3	0.3	0.4	0.7	0.4
-0.1	0.1	0.2	-0.1	-0.4	0.0	0.0	0.9	0.1	-0.1
-0.1	-0.1	0.4	0.0	-0.1	-0.1	-0.1	0.1	0.3	0.2
-0.2	0.0	0.1	0.1	-0.2	0.2	0.2	0.1	0.1	0.5
-0.1	0.1	0.2	0.0	-0.3	0.1	0.0	0.2	0.2	0.0
-0.1	0.1	0.8	-0.2	-0.2	0.0	0.0	0.5	0.9	0.3
-0.1	0.0	0.7	-0.2	-0.3	0.0	0.1	0.6	0.8	0.3
-0.2	-0.4	0.0	-0.2	-0.4	-0.1	-0.1	0.2	0.0	-0.1
-0.3	0.1	0.4	-0.1	-0.5	0.4	0.4	0.5	0.5	0.2

P	Pb	Pr	Rb	Sb	Sc	Sm	Sr	Tb	Th
1.0									
0.1	1.0								
0.2	0.5	1.0							
0.2	0.5	0.8	1.0						
0.0	0.3	0.0	-0.1	1.0					
0.9	0.4	0.4	0.5	-0.1	1.0				
0.1	0.6	1.0	0.8	0.0	0.4	1.0			
-0.5	-0.2	-0.4	-0.5	0.1	-0.5	-0.3	1.0		
0.2	0.6	0.9	0.8	0.0	0.5	1.0	-0.2	1.0	
0.2	0.5	0.7	0.6	0.4	0.2	0.7	-0.3	0.6	1.0
1.0	0.2	0.2	0.3	0.0	0.9	0.2	-0.5	0.2	0.1
0.0	-0.1	0.3	0.3	-0.1	0.0	0.3	-0.1	0.2	0.2
0.0	0.3	0.1	-0.1	0.3	-0.1	0.1	0.1	0.0	0.4
0.0	0.4	0.2	0.1	0.2	0.2	0.2	-0.2	0.2	0.2
0.3	0.6	0.8	0.7	0.1	0.6	0.9	-0.3	1.0	0.5
0.5	0.6	0.8	0.7	0.1	0.7	0.8	-0.3	0.9	0.5
0.3	-0.1	0.0	0.1	-0.1	0.0	-0.1	-0.2	-0.2	0.3
0.2	0.6	0.5	0.4	0.7	0.3	0.5	-0.3	0.4	0.7

Ti	*Tl*	*U*	*W*	*Y*	*Yb*	*Zn*	*Zr*
1.0							
0.0	1.0						
-0.1	-0.1	1.0					
0.1	-0.1	0.2	1.0				
0.3	0.2	0.0	0.2	1.0			
0.5	0.2	0.0	0.2	1.0	1.0		
0.1	0.0	0.2	-0.1	-0.2	-0.1	1.0	
0.3	0.1	0.4	0.4	0.5	0.5	0.0	1.0

APPENDIX 5 ENZYME LEACH CORRELATION COEFFICIENTS

	DEPTH	*Cl*	*Br*	*I*	*V*	*As_*	*Se*	*Mo*
DEPTH	1.0							
Cl	-0.1	1.0						
Br	0.1	0.2	1.0					
I	0.3	-0.1	0.6	1.0				
V	0.2	0.1	0.4	0.6	1.0			
As_	0.0	0.1	0.4	0.2	0.6	1.0		
Se	0.2	-0.2	0.6	0.7	0.5	0.2	1.0	
Mo	0.1	0.1	0.4	0.2	0.5	0.6	0.3	1.0
Sb	0.2	-0.1	0.3	0.6	0.4	0.3	0.3	0.3
Te	0.0	0.1	0.4	0.0	0.2	0.4	0.1	0.3
W	0.3	-0.1	0.4	0.5	0.7	0.5	0.4	0.5
Re	0.0	-0.1	0.1	-0.1	-0.1	-0.2	0.1	0.2
Au	0.2	-0.1	0.4	0.6	0.7	0.5	0.4	0.3
Hg	0.1	-0.1	0.3	0.6	0.5	0.2	0.4	0.1
Th	0.2	-0.1	0.5	0.8	0.6	0.3	0.7	0.2
U	0.2	0.2	0.4	0.5	0.3	0.0	0.4	0.2
Co	-0.1	0.5	0.1	0.1	0.1	0.0	0.1	0.1
Ni	0.0	0.5	0.3	0.3	0.3	0.1	0.2	0.0
Cu	0.3	0.2	0.3	0.4	0.6	0.6	0.2	0.4
Zn	-0.1	0.0	0.1	0.0	-0.1	-0.2	0.0	-0.3
Pb	0.1	-0.1	0.3	0.5	0.4	0.3	0.3	0.1
Ga	0.1	0.2	0.3	0.5	0.5	0.2	0.4	0.1
Ge	0.2	0.0	0.5	0.8	0.7	0.3	0.6	0.3
Ag	0.1	-0.1	0.3	0.6	0.5	0.2	0.5	0.1
Cd	-0.3	0.3	-0.1	-0.1	-0.1	-0.2	-0.1	-0.2
In_	0.0	-0.1	0.0	0.1	0.1	0.1	0.0	0.1
Sn	0.0	0.1	0.2	0.1	0.1	0.1	0.2	0.1
Tl	0.0	0.2	0.4	0.4	0.3	0.1	0.4	0.1
Bi	0.0	-0.1	0.0	0.0	0.0	0.1	-0.1	0.0
Ti	-0.1	0.3	0.2	0.3	0.4	0.1	0.3	0.0
Cr	0.2	0.0	0.4	0.6	0.5	0.2	0.5	0.1
Y	0.2	-0.1	0.6	0.8	0.6	0.3	0.6	0.2
Zr	0.2	-0.1	0.5	0.8	0.7	0.3	0.6	0.2
Nb	0.1	0.1	0.3	0.6	0.6	0.2	0.5	0.1
Hf	0.2	-0.1	0.5	0.8	0.7	0.2	0.7	0.2
Ta	0.2	0.1	0.4	0.8	0.8	0.3	0.5	0.3
La	0.2	0.0	0.6	0.8	0.7	0.4	0.6	0.3
Ce	0.2	0.0	0.6	0.7	0.6	0.3	0.6	0.2
Pr	0.2	-0.1	0.6	0.8	0.6	0.3	0.6	0.2
Nd	0.2	-0.1	0.6	0.8	0.6	0.3	0.6	0.2
Sm	0.2	-0.1	0.6	0.8	0.6	0.3	0.6	0.2
Eu	0.2	-0.1	0.6	0.8	0.6	0.2	0.6	0.2
Gd	0.2	-0.1	0.6	0.8	0.6	0.3	0.6	0.2
Tb	0.2	-0.1	0.5	0.8	0.6	0.3	0.6	0.2
Dy	0.2	-0.1	0.6	0.8	0.6	0.2	0.6	0.2

Ho	0.2	-0.1	0.6	0.8	0.6	0.3	0.6	0.2
Er	0.2	-0.1	0.6	0.8	0.6	0.2	0.6	0.2
Tm	0.2	-0.1	0.5	0.8	0.6	0.3	0.6	0.2
Yb	0.2	-0.1	0.6	0.8	0.6	0.2	0.6	0.2
Lu	0.2	-0.1	0.5	0.8	0.6	0.2	0.6	0.2
Li	-0.2	-0.1	-0.2	0.0	0.0	0.0	-0.1	-0.1
Be	0.1	0.0	0.3	0.3	0.0	-0.2	0.2	-0.3
Sc	0.2	-0.1	0.4	0.7	0.6	0.2	0.6	0.1
Mn	0.0	0.3	0.0	0.1	0.2	0.0	0.0	0.2
Rb	0.2	0.1	0.5	0.5	0.2	0.0	0.4	-0.1
Sr	0.3	0.1	0.6	0.6	0.4	0.3	0.4	0.3
Cs	0.1	0.1	0.4	0.5	0.4	0.3	0.3	0.1
Ba	-0.1	0.1	0.2	0.1	-0.1	-0.2	0.1	-0.2

Sb	*Te*	*W*	*Re*	*Au*	*Hg*	*Th*	*U*	*Co*
1.0								
0.0	1.0							
0.4	0.2	1.0						
0.0	0.0	-0.1	1.0					
0.4	0.0	0.6	-0.1	1.0				
0.4	0.0	0.3	0.0	0.6	1.0			
0.4	0.0	0.5	-0.1	0.7	0.7	1.0		
0.2	-0.1	0.1	0.2	0.4	0.6	0.7	1.0	
0.0	-0.1	0.0	0.1	0.0	0.1	0.2	0.3	1.0
0.1	-0.1	0.0	0.0	0.2	0.5	0.4	0.5	0.6
0.6	0.0	0.6	-0.1	0.6	0.3	0.4	0.3	0.3
-0.1	-0.1	-0.2	0.1	-0.1	0.1	0.1	0.1	0.3
0.2	0.0	0.2	-0.1	0.5	0.6	0.5	0.5	0.1
0.3	-0.1	0.2	0.0	0.5	0.7	0.6	0.6	0.4
0.4	0.0	0.5	0.0	0.7	0.8	0.8	0.7	0.2
0.4	0.0	0.3	0.0	0.6	1.0	0.8	0.7	0.2
-0.1	-0.1	-0.3	0.1	-0.2	0.0	-0.1	0.0	0.6
0.0	0.0	0.1	-0.1	0.1	0.1	0.1	0.1	0.0
0.1	-0.1	0.1	0.0	0.2	0.2	0.2	0.1	0.0
0.2	-0.1	0.1	0.2	0.4	0.5	0.5	0.5	0.4
0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
0.1	-0.1	0.0	0.1	0.3	0.5	0.4	0.5	0.5
0.4	0.0	0.3	-0.2	0.5	0.7	0.6	0.6	0.1
0.3	0.0	0.5	-0.1	0.6	0.7	0.9	0.6	0.1
0.4	0.0	0.5	-0.1	0.7	0.9	0.9	0.7	0.1
0.3	0.0	0.3	-0.1	0.6	0.8	0.8	0.7	0.3
0.4	0.0	0.5	-0.1	0.7	0.8	0.9	0.7	0.1
0.4	-0.1	0.5	-0.1	0.7	0.8	0.8	0.6	0.2
0.3	0.1	0.5	-0.1	0.7	0.7	0.9	0.6	0.1
0.3	0.1	0.4	-0.1	0.6	0.6	0.8	0.6	0.1
0.3	0.0	0.5	-0.2	0.6	0.7	0.9	0.6	0.1
0.3	0.0	0.5	-0.2	0.6	0.7	0.9	0.6	0.1
0.3	0.0	0.5	-0.2	0.6	0.7	0.9	0.6	0.1
0.3	0.0	0.4	-0.2	0.6	0.6	0.9	0.6	0.1
0.3	0.0	0.5	-0.2	0.6	0.7	0.9	0.6	0.1
0.3	0.0	0.4	-0.2	0.6	0.6	0.9	0.6	0.1
0.3	0.0	0.4	-0.2	0.6	0.6	0.9	0.6	0.1

0.3	0.0	0.4	-0.2	0.6	0.6	0.9	0.6	0.1
0.3	0.0	0.5	-0.1	0.6	0.6	0.9	0.6	0.1
0.3	0.0	0.4	-0.2	0.6	0.6	0.9	0.6	0.1
0.3	0.0	0.5	-0.1	0.6	0.6	0.9	0.6	0.1
0.3	0.0	0.5	-0.1	0.6	0.6	0.8	0.5	0.1
0.0	0.0	-0.1	-0.1	0.0	0.1	0.0	0.0	0.0
0.0	-0.1	-0.1	0.0	0.1	0.2	0.4	0.5	0.3
0.3	0.0	0.4	0.0	0.7	0.9	0.8	0.7	0.2
0.0	0.0	0.1	-0.1	0.0	0.1	0.0	0.1	0.8
0.1	-0.1	0.1	-0.1	0.3	0.4	0.6	0.6	0.3
0.4	0.0	0.4	0.0	0.4	0.2	0.5	0.4	0.2
0.3	-0.1	0.2	0.0	0.6	0.8	0.6	0.7	0.2
-0.1	-0.1	-0.2	0.0	0.0	0.0	0.2	0.4	0.3

Ni	*Cu*	*Zn*	*Pb*	*Ga*	*Ge*	*Ag*	*Cd*	*In_*
1.0								
0.3	1.0							
0.3	-0.1	1.0						
0.4	0.4	0.2	1.0					
0.8	0.3	0.2	0.7	1.0				
0.5	0.5	0.0	0.7	0.8	1.0			
0.5	0.3	0.1	0.6	0.7	0.8	1.0		
0.4	0.0	0.4	0.1	0.2	0.0	0.0	1.0	
0.1	0.0	0.0	0.3	0.1	0.1	0.1	-0.1	1.0
0.2	0.0	-0.1	0.1	0.1	0.2	0.2	-0.1	0.2
0.6	0.3	0.2	0.4	0.6	0.6	0.5	0.2	0.0
0.0	0.0	0.0	0.2	0.0	0.0	0.0	-0.1	1.0
0.8	0.2	0.3	0.5	0.8	0.6	0.5	0.4	0.2
0.5	0.3	0.1	0.7	0.7	0.7	0.7	0.0	0.4
0.3	0.4	0.1	0.6	0.6	0.9	0.7	-0.1	0.1
0.4	0.4	0.0	0.6	0.7	0.9	0.9	-0.1	0.1
0.6	0.4	0.1	0.6	0.9	0.9	0.8	0.1	0.2
0.4	0.4	0.1	0.6	0.7	0.9	0.8	-0.1	0.1
0.5	0.5	0.0	0.6	0.8	0.9	0.8	-0.1	0.2
0.3	0.4	0.0	0.6	0.6	0.9	0.7	-0.2	0.1
0.4	0.4	0.1	0.6	0.6	0.8	0.6	-0.1	0.1
0.3	0.4	0.0	0.6	0.6	0.9	0.7	-0.2	0.1
0.3	0.4	0.0	0.6	0.6	0.9	0.7	-0.2	0.1
0.3	0.4	0.0	0.6	0.6	0.9	0.7	-0.2	0.1
0.4	0.4	0.1	0.6	0.6	0.8	0.6	-0.1	0.1
0.3	0.4	0.0	0.6	0.6	0.9	0.7	-0.2	0.1
0.3	0.4	0.0	0.6	0.6	0.9	0.6	-0.2	0.2
0.3	0.4	0.0	0.6	0.6	0.9	0.6	-0.1	0.1

0.3	0.4	0.0	0.6	0.6	0.9	0.6	-0.1	0.1
0.3	0.4	0.0	0.6	0.6	0.9	0.6	-0.1	0.1
0.3	0.3	0.0	0.6	0.6	0.8	0.6	-0.2	0.2
0.3	0.4	0.0	0.6	0.6	0.9	0.6	-0.2	0.1
0.3	0.3	0.0	0.6	0.6	0.8	0.6	-0.2	0.4
0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
0.4	0.0	0.5	0.4	0.3	0.3	0.2	0.3	0.0
0.5	0.3	0.1	0.6	0.7	0.9	0.9	0.0	0.1
0.4	0.2	0.1	0.0	0.2	0.1	0.1	0.4	0.0
0.5	0.1	0.4	0.4	0.5	0.5	0.4	0.2	0.0
0.2	0.5	0.1	0.4	0.2	0.5	0.2	0.0	0.0
0.6	0.4	0.2	0.6	0.8	0.7	0.8	0.0	0.1
0.3	0.0	0.4	0.3	0.2	0.2	0.0	0.3	0.0

Sn	*Tl*	*Bi*	*Ti*	*Cr*	*Y*	*Zr*	*Nb*	*Hf*
1.0								
0.0	1.0							
0.2	-0.1	1.0						
0.1	0.6	0.1	1.0					
0.1	0.5	0.3	0.5	1.0				
0.1	0.5	0.0	0.4	0.6	1.0			
0.2	0.5	0.0	0.5	0.7	0.9	1.0		
0.2	0.5	0.1	0.8	0.7	0.7	0.9	1.0	
0.2	0.5	0.0	0.5	0.7	0.9	1.0	0.9	1.0
0.2	0.4	0.1	0.6	0.7	0.8	0.9	0.9	0.9
0.2	0.5	0.0	0.3	0.6	1.0	0.9	0.7	0.9
0.2	0.6	0.0	0.3	0.6	0.9	0.8	0.7	0.9
0.2	0.5	0.0	0.3	0.6	1.0	0.9	0.7	0.9
0.2	0.5	0.0	0.3	0.6	1.0	0.9	0.7	0.9
0.2	0.5	0.0	0.3	0.6	1.0	0.9	0.7	0.9
0.1	0.5	0.0	0.4	0.7	1.0	0.9	0.7	0.9
0.2	0.5	0.0	0.4	0.7	1.0	0.9	0.7	0.9
0.1	0.5	0.1	0.4	0.7	1.0	0.9	0.7	0.9
0.1	0.5	0.0	0.4	0.6	1.0	0.9	0.7	0.9

0.1	0.5	0.0	0.4	0.7	1.0	0.9	0.7	0.9
0.1	0.5	0.0	0.3	0.6	1.0	0.9	0.7	0.9
0.2	0.5	0.1	0.3	0.7	1.0	0.9	0.7	0.9
0.1	0.5	0.0	0.3	0.6	1.0	0.9	0.7	0.9
0.2	0.4	0.3	0.4	0.7	0.9	0.8	0.7	0.9
-0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
-0.1	0.4	0.0	0.3	0.4	0.4	0.3	0.2	0.4
0.1	0.6	0.0	0.5	0.8	0.8	0.9	0.8	0.9
0.0	0.0	0.0	0.2	0.0	0.1	0.1	0.1	0.1
-0.1	0.6	-0.1	0.4	0.5	0.6	0.5	0.5	0.6
0.1	0.3	0.0	0.1	0.4	0.6	0.4	0.2	0.5
0.0	0.7	0.0	0.6	0.7	0.6	0.7	0.7	0.7
-0.2	0.3	0.0	0.2	0.2	0.3	0.1	0.1	0.2

Ta	*La*	*Ce*	*Pr*	*Nd*	*Sm*	*Eu*	*Gd*	*Tb*
1.0								
0.8	1.0							
0.7	1.0	1.0						
0.8	1.0	1.0	1.0					
0.8	1.0	1.0	1.0	1.0				
0.8	1.0	0.9	1.0	1.0	1.0			
0.8	1.0	1.0	1.0	1.0	1.0	1.0		
0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
0.8	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0
0.8	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0

0.8	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0
0.8	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0
0.8	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0
0.8	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0
0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.2	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4
0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
0.2	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0
0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
0.4	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.6
0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.6
0.0	0.2	0.3	0.2	0.2	0.2	0.4	0.3	0.3

Dy	*Ho*	*Er*	*Tm*	*Yb*	*Lu*	*Li*	*Be*	*Sc*

1.0	1.0							
1.0	1.0	1.0						
1.0	1.0	1.0	1.0					
1.0	1.0	1.0	1.0	1.0				
0.9	0.9	0.9	1.0	0.9	1.0			
0.0	0.0	0.0	0.0	0.0	0.0	1.0		
0.4	0.4	0.4	0.4	0.4	0.3	0.0	1.0	
0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.4	1.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
0.6	0.6	0.6	0.5	0.6	0.5	0.0	0.8	0.6
0.6	0.6	0.6	0.6	0.6	0.5	-0.1	0.5	0.4
0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.4	0.8
0.3	0.3	0.3	0.3	0.3	0.2	0.0	0.7	0.2

Mn	*Rb*	*Sr*	*Cs*	*Ba*

1.0				
0.0	1.0			
0.1	0.6	1.0		
0.0	0.6	0.3	1.0	
0.1	0.6	0.4	0.3	1.0

	DEPTH	*Cl*	*Br*	*I*	*V*	*As_*	*Se*	*Mo*
DEPTH	1.0							
Cl	-0.2	1.0						
Br	0.0	0.3	1.0					
I	0.0	0.0	0.6	1.0				
V	0.2	-0.1	0.1	0.0	1.0			
As_	0.0	0.1	0.1	-0.1	0.1	1.0		
Se	0.1	0.0	0.5	0.5	0.3	0.0	1.0	
Mo	0.1	0.0	0.4	0.3	0.3	0.1	0.2	1.0
Sb	0.1	-0.1	0.0	0.0	0.0	0.0	0.1	0.0
Te	-0.1	0.1	0.5	0.2	0.1	0.2	0.2	0.6
W	-0.2	0.3	0.0	0.0	0.0	0.2	0.0	0.0
Re	-0.1	0.1	0.4	0.3	0.2	0.2	0.3	0.4
Au	0.0	0.1	0.2	0.2	-0.1	0.1	0.1	-0.1
Hg	0.0	0.1	0.3	0.1	0.2	0.0	0.2	0.5
Th	0.0	0.3	0.0	-0.1	-0.2	0.0	0.0	-0.1
U	0.0	0.0	0.3	0.4	-0.1	-0.1	0.3	0.0
Co	-0.2	0.4	0.1	0.1	-0.1	0.0	0.1	0.0
Ni	-0.3	0.4	0.1	0.1	-0.1	0.0	0.1	-0.1
Cu	-0.1	0.4	0.2	0.2	-0.1	0.0	0.1	-0.1
Zn	-0.1	0.3	-0.1	-0.2	-0.2	0.1	-0.1	-0.1
Pb	-0.3	0.5	0.0	0.0	-0.2	0.0	0.0	-0.1
Ga	-0.2	0.4	0.1	0.2	-0.2	0.0	0.1	0.0
Ge	-0.1	0.1	0.0	0.1	-0.1	-0.2	0.2	-0.1
Ag	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1
Cd	-0.3	0.4	-0.1	-0.1	-0.2	0.0	-0.1	0.0
In_	-0.1	0.2	0.1	0.0	0.0	0.0	0.2	0.0
Sn	0.1	0.1	-0.1	-0.2	-0.1	0.1	-0.1	-0.1
Tl	-0.1	0.2	0.1	0.0	-0.1	0.1	0.0	0.2
Bi	0.0	0.1	0.1	0.0	0.0	0.0	0.2	0.0
Ti	-0.3	0.3	0.0	0.0	-0.1	-0.1	0.0	-0.2
Cr	0.1	0.1	0.0	0.1	0.0	-0.1	-0.1	-0.1
Y	-0.2	0.3	0.1	0.1	-0.1	-0.1	0.1	-0.1
Zr	0.0	0.0	0.1	0.1	0.0	-0.1	0.0	0.1
Nb	0.0	0.1	0.0	0.1	0.1	0.0	0.1	-0.1
Hf	0.0	0.0	0.1	0.1	0.0	-0.1	0.0	0.1
Ta	0.2	0.1	0.4	0.2	0.3	0.1	0.3	0.4
La	-0.2	0.3	0.1	0.1	-0.1	-0.1	0.0	-0.1
Ce	-0.2	0.3	0.1	0.1	-0.1	-0.1	0.0	-0.1
Pr	-0.1	0.2	0.1	0.1	-0.1	-0.1	0.1	-0.1
Nd	-0.1	0.2	0.1	0.1	-0.1	-0.1	0.1	-0.1
Sm	-0.1	0.2	0.1	0.1	-0.1	-0.1	0.0	-0.1
Eu	-0.2	0.3	0.1	0.1	-0.1	-0.1	0.1	-0.1
Gd	-0.1	0.2	0.1	0.1	-0.1	-0.1	0.1	-0.1
Tb	-0.1	0.3	0.1	0.1	-0.1	-0.1	0.1	-0.1
Dy	-0.1	0.3	0.1	0.1	-0.1	-0.1	0.1	-0.1

Ho	-0.2	0.2	0.1	0.1	-0.1	-0.1	0.1	-0.1
Er	-0.2	0.2	0.1	0.2	-0.1	-0.1	0.1	-0.1
Tm	-0.1	0.2	0.1	0.1	-0.1	-0.1	0.1	-0.1
Yb	-0.1	0.1	0.1	0.2	-0.1	-0.1	0.1	-0.1
Lu	-0.1	0.2	0.1	0.1	-0.1	-0.1	0.1	-0.1
Li	0.1	0.2	0.0	-0.1	0.1	0.2	0.1	0.2
Be	-0.1	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0
Sc	0.2	0.2	0.1	0.0	0.1	0.3	0.2	0.0
Mn	-0.1	0.3	0.3	0.2	0.0	0.2	0.1	0.4
Rb	-0.4	0.4	0.0	-0.1	-0.2	0.0	0.0	-0.1
Sr	0.2	0.1	0.3	0.1	0.2	0.4	0.2	0.3
Cs	-0.3	0.3	-0.1	-0.2	-0.2	0.0	-0.1	-0.1
Ba	-0.2	0.3	0.2	0.0	0.0	0.2	0.1	0.3

Sb	*Te*	*W*	*Re*	*Au*	*Hg*	*Th*	*U*	*Co*
1.0								
0.0	1.0							
0.0	0.0	1.0						
0.1	0.3	0.2	1.0					
0.5	0.1	0.0	0.1	1.0				
0.0	0.4	0.1	0.2	-0.1	1.0			
0.0	-0.1	0.2	0.0	0.0	0.1	1.0		
0.0	0.0	0.1	0.2	0.2	0.0	0.1	1.0	
0.1	0.0	0.3	0.2	0.1	0.2	0.3	0.2	1.0
0.1	0.0	0.4	0.1	0.1	0.2	0.4	0.2	0.7
0.1	0.0	0.2	0.1	0.2	0.1	0.5	0.3	0.6
-0.1	-0.1	0.5	0.0	-0.1	0.1	0.4	-0.1	0.3
0.0	0.0	0.5	0.0	0.0	0.2	0.5	0.1	0.5
0.0	0.0	0.3	0.1	0.1	0.2	0.6	0.1	0.6
0.0	-0.1	0.2	0.1	0.0	0.1	0.2	0.2	0.3
0.0	0.1	0.0	-0.1	0.0	0.2	0.0	0.0	0.0
0.0	0.0	0.5	0.1	-0.1	0.2	0.4	-0.1	0.4
0.0	0.2	0.2	0.0	0.0	0.3	0.2	0.1	0.4
0.0	-0.1	0.1	-0.1	0.0	0.1	0.3	-0.1	0.0
-0.1	0.1	0.4	0.2	0.0	0.2	0.2	0.0	0.3
0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1
-0.1	-0.1	0.3	0.0	0.1	0.0	0.4	0.1	0.5
0.1	0.0	0.1	-0.1	0.1	0.0	0.2	0.1	0.1
0.0	0.0	0.2	0.1	0.1	0.2	0.6	0.4	0.6
0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1
0.0	-0.1	0.2	0.0	0.2	0.0	0.3	0.1	0.4
0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.2	0.1
0.0	0.3	0.0	0.1	0.2	0.3	0.0	0.1	0.2
0.0	0.0	0.2	0.0	0.1	0.2	0.6	0.3	0.5
0.0	0.0	0.2	0.0	0.0	0.1	0.6	0.3	0.5
0.0	0.0	0.2	0.0	0.1	0.1	0.6	0.4	0.5
0.0	0.0	0.1	0.0	0.1	0.1	0.6	0.4	0.5
0.0	0.0	0.2	0.0	0.0	0.1	0.6	0.4	0.5
0.0	0.0	0.2	0.0	0.0	0.2	0.6	0.3	0.6
0.0	0.0	0.2	0.0	0.1	0.1	0.6	0.4	0.5
0.0	0.0	0.2	0.0	0.1	0.2	0.6	0.3	0.6
0.0	0.0	0.2	0.0	0.1	0.2	0.6	0.4	0.6

0.0	0.0	0.2	0.0	0.1	0.2	0.6	0.4	0.6
0.0	0.0	0.2	0.0	0.1	0.1	0.6	0.4	0.6
0.0	0.0	0.2	0.0	0.1	0.2	0.5	0.4	0.6
0.0	0.0	0.1	0.0	0.1	0.1	0.5	0.4	0.5
0.0	0.1	0.1	0.0	0.0	0.2	0.4	0.3	0.5
0.0	0.1	0.2	0.1	0.0	0.2	0.4	0.1	0.1
0.0	-0.1	0.2	0.0	0.0	0.3	0.4	0.1	0.4
-0.1	0.0	0.0	0.1	0.1	0.0	0.3	0.1	0.1
0.0	0.3	0.2	0.2	0.1	0.4	0.0	0.1	0.6
0.0	0.0	0.4	0.1	-0.1	0.1	0.3	-0.1	0.2
0.0	0.2	0.0	0.1	0.1	0.1	-0.1	-0.1	0.0
0.0	-0.1	0.4	0.0	-0.1	0.1	0.2	-0.1	0.1
-0.1	0.2	0.4	0.3	0.0	0.4	0.2	0.2	0.6

Ni	*Cu*	*Zn*	*Pb*	*Ga*	*Ge*	*Ag*	*Cd*	*In_*
1.0								
0.6	1.0							
0.3	0.2	1.0						
0.5	0.5	0.4	1.0					
0.7	0.5	0.5	0.7	1.0				
0.4	0.2	0.1	0.3	0.3	1.0			
0.0	0.1	0.0	0.0	0.0	-0.1	1.0		
0.5	0.2	0.7	0.6	0.5	0.2	0.0	1.0	
0.4	0.5	0.2	0.4	0.3	0.1	0.1	0.3	1.0
0.1	0.0	0.5	0.0	0.1	0.0	0.0	0.2	0.0
0.2	0.1	0.5	0.4	0.4	0.1	0.0	0.4	0.1
0.1	0.3	0.1	0.2	0.1	0.0	0.2	0.1	0.7
0.7	0.3	0.3	0.5	0.6	0.3	0.0	0.4	0.2
0.2	0.3	0.3	0.3	0.3	0.1	0.0	0.3	0.2
0.6	0.8	0.1	0.6	0.6	0.3	0.0	0.3	0.5
0.1	0.1	-0.1	0.1	0.1	0.0	0.8	0.0	0.0
0.5	0.3	0.0	0.2	0.4	0.3	-0.1	0.1	0.1
0.1	0.2	-0.1	0.1	0.2	0.0	0.8	0.0	0.0
0.2	0.2	-0.2	0.0	0.1	0.0	0.0	-0.1	0.2
0.6	0.6	0.1	0.6	0.6	0.3	0.0	0.3	0.4
0.5	0.6	0.1	0.6	0.6	0.3	0.0	0.2	0.4
0.5	0.7	0.0	0.5	0.6	0.3	0.0	0.2	0.4
0.5	0.7	0.0	0.5	0.6	0.3	0.0	0.1	0.3
0.5	0.7	0.1	0.5	0.6	0.3	0.0	0.2	0.4
0.6	0.7	0.1	0.6	0.6	0.3	0.0	0.3	0.4
0.6	0.7	0.1	0.6	0.6	0.3	0.0	0.2	0.3
0.6	0.7	0.1	0.6	0.6	0.3	0.1	0.3	0.6
0.6	0.7	0.1	0.6	0.6	0.3	0.0	0.2	0.4

0.6	0.7	0.1	0.6	0.6	0.3	0.0	0.2	0.5
0.6	0.7	0.1	0.5	0.6	0.3	0.0	0.2	0.4
0.6	0.7	0.1	0.5	0.5	0.2	0.1	0.2	0.5
0.5	0.7	0.0	0.4	0.5	0.3	0.0	0.1	0.4
0.5	0.7	0.1	0.4	0.4	0.2	0.1	0.2	0.6
0.2	0.2	0.4	0.1	0.2	-0.1	0.1	0.2	0.2
0.4	0.3	0.2	0.2	0.3	0.1	0.1	0.3	0.1
0.1	0.1	0.1	0.0	0.2	0.0	0.0	0.0	0.0
0.4	0.4	0.2	0.3	0.4	0.0	0.1	0.3	0.6
0.3	0.1	0.5	0.7	0.5	0.2	0.0	0.6	0.1
-0.1	0.0	0.0	-0.2	-0.1	-0.3	0.0	-0.1	0.0
0.1	0.0	0.5	0.5	0.3	0.1	0.0	0.5	0.0
0.6	0.5	0.4	0.4	0.5	0.1	0.0	0.4	0.5

Sn	*Tl*	*Bi*	*Ti*	*Cr*	*Y*	*Zr*	*Nb*	*Hf*
1.0								
0.2	1.0							
0.0	0.0	1.0						
0.0	0.2	0.0	1.0					
0.1	0.0	0.0	0.2	1.0				
-0.1	0.2	0.2	0.4	0.2	1.0			
-0.1	0.0	0.0	0.1	0.0	0.2	1.0		
-0.1	-0.1	0.0	0.7	0.2	0.4	0.1	1.0	
0.0	0.0	0.0	0.2	0.1	0.3	1.0	0.2	1.0
-0.1	-0.1	0.1	0.2	0.1	0.2	0.1	0.6	0.1
-0.1	0.2	0.2	0.4	0.2	0.9	0.2	0.4	0.2
-0.1	0.1	0.2	0.5	0.2	0.9	0.2	0.5	0.3
-0.1	0.1	0.2	0.4	0.2	1.0	0.2	0.4	0.3
-0.1	0.1	0.1	0.4	0.2	1.0	0.2	0.4	0.3
-0.1	0.1	0.1	0.4	0.2	1.0	0.2	0.4	0.4
0.0	0.2	0.2	0.5	0.2	1.0	0.2	0.4	0.3
-0.1	0.2	0.1	0.4	0.2	1.0	0.2	0.4	0.3
0.0	0.2	0.3	0.4	0.2	1.0	0.2	0.4	0.3
-0.1	0.2	0.2	0.4	0.2	1.0	0.2	0.4	0.3

-0.1	0.2	0.2	0.4	0.2	1.0	0.2	0.4	0.3
-0.1	0.1	0.2	0.4	0.2	1.0	0.3	0.4	0.4
0.0	0.1	0.3	0.4	0.2	0.9	0.2	0.4	0.3
-0.1	0.1	0.2	0.4	0.2	0.9	0.3	0.4	0.4
0.0	0.1	0.3	0.3	0.2	0.9	0.2	0.3	0.3
0.4	0.2	0.0	0.1	0.3	0.1	0.1	0.1	0.1
0.1	0.0	0.0	0.3	0.1	0.4	0.2	0.3	0.3
0.2	0.0	0.0	0.2	0.1	0.1	0.0	0.2	0.1
0.0	0.3	0.2	0.1	0.0	0.3	0.0	0.1	0.0
0.0	0.5	0.0	0.3	0.1	0.2	0.0	0.0	0.0
0.1	-0.1	0.1	-0.2	-0.1	-0.2	-0.1	0.0	-0.1
0.1	0.6	0.0	0.2	0.0	0.1	0.0	-0.1	0.0
0.1	0.3	0.1	0.3	0.1	0.5	0.0	0.2	0.1

Ta	*La*	*Ce*	*Pr*	*Nd*	*Sm*	*Eu*	*Gd*	*Tb*
1.0								
0.1	1.0							
0.2	1.0	1.0						
0.2	1.0	1.0	1.0					
0.2	0.9	1.0	1.0	1.0				
0.2	0.9	1.0	1.0	1.0	1.0			
0.1	0.9	1.0	1.0	1.0	1.0	1.0		
0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
0.2	0.9	0.9	1.0	0.9	1.0	1.0	1.0	1.0
0.2	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0

0.2	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0
0.2	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0
0.2	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
0.2	0.8	0.9	0.9	0.9	1.0	0.9	0.9	0.9
0.2	0.8	0.8	0.9	0.9	0.9	0.9	0.8	0.9
0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2
0.1	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
0.2	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.4
-0.2	0.3	0.2	0.2	0.1	0.2	0.2	0.2	0.2
0.4	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
-0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1
0.2	0.4	0.4	0.4	0.3	0.4	0.5	0.4	0.5

Dy	*Ho*	*Er*	*Tm*	*Yb*	*Lu*	*Li*	*Be*	*Sc*

1.0	1.0							
1.0	1.0	1.0						
0.9	1.0	1.0	1.0					
0.9	1.0	1.0	1.0	1.0				
0.9	0.9	0.9	1.0	0.9	1.0			
0.1	0.2	0.2	0.2	0.2	0.2	1.0		
0.4	0.4	0.4	0.5	0.5	0.4	0.3	1.0	
0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.1	1.0
0.3	0.3	0.3	0.4	0.3	0.4	0.1	0.1	0.0
0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0
-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.2	-0.1	0.3
0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
0.4	0.4	0.4	0.5	0.4	0.4	0.2	0.3	0.1

Mn	*Rb*	*Sr*	*Cs*	*Ba*

1.0				
0.2	1.0			
0.2	-0.1	1.0		
0.0	0.8	-0.2	1.0	
0.7	0.3	0.2	0.1	1.0

APPENDIX 6 LOCATIONS, DEPTHS AND TYPES

Appendix 6B: Sample Locations and sample type: UTM Zone 16 NAD 83

AREA	CLAIM	SAMPLE_SITE	POINT_X	POINT_Y	METHOD	SAMPLE_NO
KCR	4243671	G2-10	391780	5722125	EL	G2-10
KCR	4243671	G2-11	391780	5722149	EL	G2-11
KCR	4243671	G2-11	391780	5722149	EL	G2-11B
KCR	4243671	G2-12	391780	5722180	EL	G2-12
KCR	4243671	G2-13	391780	5722200	EL	G2-13
KCR	4243671	G2-14	391780	5722225	EL	G2-14
KCR	4243671	G2-15	391780	5722250	EL	G2-15
KCR	4243671	G2-15	391780	5722250	EL	G2-15B
KCR	4243671	G2-16	391807	5722272	EL	G2-16
KCR	4243671	G2-17	391807	5722272	EL	G2-17
KCR	4243671	G2-18	391801	5722301	EL	G2-18
KCR	4243671	G2-19	391795	5722325	EL	G2-19
KCR	4243671	G2-19	391795	5722325	EL	G2-19B
KCR	4243671	G2-2	391791	5721927	EL	G2-2
KCR	4256103	G2-2	391791	5721927	EL	G2-2
KCR	4243671	G2-20	391790	5722355	EL	G2-20
KCR	4243671	G2-21	391790	5722398	EL	G2-21
KCR	4243671	G2-22	391797	5722454	EL	G2-22
KCR	4243671	G2-23	391789	5722480	EL	G2-23
KCR	4243671	G2-24	391802	5722509	EL	G2-24
KCR	4243671	G2-25	391807	5722530	EL	G2-25
KCR	4243671	G2-26	391832	5722544	EL	G2-26
KCR	4243671	G2-27	391884	5722507	EL	G2-27
KCR	4243671	G2-27	391884	5722507	EL	G2-27
KCR	4243673	G2-28	388672	5721935	EL	G2-28
KCR	4243673	G2-29	388707	5721931	EL	G2-29
KCR	4243671	G2-3	391779	5721950	EL	G2-3
KCR	4256103	G2-3	391779	5721950	EL	G2-3
KCR	4243673	G2-30	388728	5721937	EL	G2-30
KCR	4243673	G2-31	388752	5721942	EL	G2-31
KCR	4243673	G2-31	388752	5721942	EL	G2-31B
KCR	4243672	G2-32	388776	5721950	EL	G2-32
KCR	4243672	G2-33	388800	5721955	EL	G2-33
KCR	4243672	G2-33	388800	5721955	EL	G2-33B
KCR	4243672	G2-34	388820	5721974	EL	G2-34
KCR	4243672	G2-35	388855	5721947	EL	G2-35
KCR	4243672	G2-36	388876	5721931	EL	G2-36
KCR	4243672	G2-37	388897	5721942	EL	G2-37
KCR	4243672	G2-38	388924	5721923	EL	G2-38
KCR	4243672	G2-39	388944	5721914	EL	G2-39
KCR	4243671	G2-4	391779	5721978	EL	G2-4
KCR	4256103	G2-4	391779	5721978	EL	G2-4
KCR	4243672	G2-40	388971	5721916	EL	G2-40
KCR	4243672	G2-41	388999	5721910	EL	G2-41

KCR	4243672	G2-42	389025	5721915 EL	G2-42
KCR	4243672	G2-43	389062	5721949 EL	G2-43
KCR	4243672	G2-44	389080	5721930 EL	G2-44
KCR	4243672	G2-44	389080	5721930 EL	G2-44B
KCR	4243672	G2-45	389100	5721942 EL	G2-45
KCR	4243672	G2-46	389122	5721946 EL	G2-46
KCR	4243672	G2-47	389158	5721948 EL	G2-47
KCR	4243672	G2-48	389176	5721981 EL	G2-48
KCR	4243672	G2-49	389205	5721990 EL	G2-49
KCR	4243671	G2-5	391774	5722007 EL	G2-5
KCR	4243674	G2-50	389231	5722019 EL	G2-50
KCR	4243671	G2-6	391780	5722033 EL	G2-6
KCR	4243671	G2-7	391780	5722055 EL	G2-7
KCR	4243671	G2-8	391780	5722077 EL	G2-8
KCR	4243671	G2-9	391776	5722100 EL	G2-9
KCR	3002915	KEEZ001	391013	5722635 EL	KEEZ001
KCR	3002915	KEEZ002	390999	5722656 EL	KEEZ002
KCR	3002915	KEEZ002	390999	5722656 EL	KEEZ002A
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KCR	3002915	KEEZ003	390997	5722679 EL	KEEZ003A
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KCR	3002915	KEEZ005	390981	5722733 EL	KEEZ005
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KCR	3002915	KEEZ009	390961	5722838 EL	KEEZ009A
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KCR	3002915	KEEZ010	390957	5722858 EL	KEEZ010A
KCR	3002915	KEEZ011	390950	5722884 EL	KEEZ011
KCR	3002915	KEEZ011	390950	5722884 EL	KEEZ011A
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KCR	3002915	KEEZ013	390946	5722906 EL	KEEZ013
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KCR	3002915	KEEZ017	391075	5722780 EL	KEEZ017A
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KCR	3002915	KEEZ019	391064	5722834 EL	KEEZ019

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KCR	3002915	KEEZ021	391055	5722883	EL	KEEZ021
KCR	3002915	KEEZ022	391054	5722908	EL	KEEZ022
KCR	3002915	KEEZ023	391048	5722931	EL	KEEZ023
KCR	3002915	KEEZ024	391041	5722954	EL	KEEZ024
KCR	3002915	KEEZ025	391040	5722979	EL	KEEZ025A
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KCR	3002915	KEEZ027	390716	5722534	EL	KEEZ027A
KCR	3002915	KEEZ028	390710	5722567	EL	KEEZ028A
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KCR	3002915	KEEZ030	390705	5722589	EL	KEEZ030
KCR	3002915	KEEZ031	390704	5722607	EL	KEEZ031
KCR	3002915	KEEZ032	390698	5722628	EL	KEEZ032A
KCR	3002915	KEEZ033	390694	5722658	EL	KEEZ033A
KCR	3002915	KEEZ034	390692	5722669	EL	KEEZ034
KCR	3002915	KEEZ035	390690	5722691	EL	KEEZ035A
KCR	3002915	KEEZ036	390687	5722717	EL	KEEZ036
KCR	3002915	KEEZ037	390682	5722740	EL	KEEZ037A
KCR	3002915	KEEZ038	390675	5722767	EL	KEEZ038
KCR	3002915	KEEZ039	390670	5722793	EL	KEEZ039A
KCR	3002915	KEEZ040	390659	5722821	EL	KEEZ040A
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KCR	3002915	KEEZ042	390654	5722864	EL	KEEZ042
KCR	4243674	KEEZ043	389805	5722445	EL	KEEZ043A
KCR	4243674	KEEZ044	389791	5722464	EL	KEEZ044
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KCR	4243674	KEEZ045	389789	5722489	EL	KEEZ045
KCR	4243674	KEEZ046	389786	5722518	EL	KEEZ046
KCR	4243674	KEEZ047	389786	5722518	EL	KEEZ047
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KCR	4243674	KEEZ050	389765	5722593	EL	KEEZ050
KCR	4243674	KEEZ051	389758	5722616	EL	KEEZ051
KCR	4243674	KEEZ052	389756	5722654	EL	KEEZ052
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KCR	4243674	KEEZ056	389729	5722741	EL	KEEZ056
KCR	4243674	KEEZ057	389719	5722766	EL	KEEZ057
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KCR	4243674	KEEZ059	389712	5722813	EL	KEEZ059
KCR	4243671	KEEZ100	391991	5722157	EL	KEEZ100A
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KCR	4243671	KEEZ102	391994	5722181	EL	KEEZ102
KCR	4243671	KEEZ103	391994	5722206	EL	KEEZ103

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KCR	4243671	KEEZ106	391987	5722280	EL	KEEZ106
KCR	4243671	KEEZ107	391990	5722304	EL	KEEZ107
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KCR	4243671	KEEZ110	391991	5722353	EL	KEEZ110
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KCR	4243671	KEEZ115	391987	5722480	EL	KEEZ115
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KCR	4243671	KEEZ123	392088	5722560	EL	KEEZ123
KCR	4243671	KEEZ124	392091	5722533	EL	KEEZ124
KCR	4243671	KEEZ125	392094	5722508	EL	KEEZ125
KCR	4243671	KEEZ126	392093	5722484	EL	KEEZ126
KCR	4243671	KEEZ127	392098	5722460	EL	KEEZ127
KCR	4243671	KEEZ128	392104	5722433	EL	KEEZ128
KCR	4243671	KEEZ129	392104	5722410	EL	KEEZ129
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KCR	4243671	KEEZ131	392106	5722387	EL	KEEZ131
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KCR	4243674	KEEZ146	388449	5722337	EL	KEEZ146
KCR	4243674	KEEZ147	388452	5722313	EL	KEEZ147
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KCR	4243674	KEEZ149	388440	5722263	EL	KEEZ149
KCR	4243674	KEEZ150	388439	5722238	EL	KEEZ150
KCR	4243674	KEEZ150	388439	5722238	EL	KEEZ150-1
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KCR	4243674	KEEZ153	388438	5722164	EL	KEEZ153
KCR	4243674	KEEZ154	388442	5722136	EL	KEEZ154
U2	4256094	L01	384362	5720323	EL	L01

U2	4256094	L02	384371	5720295	EL	L02
U2	4256094	L03	384369	5720268	EL	L03
U2	4256094	L04	384374	5720246	EL	L04
U2	4256094	L05	384375	5720219	EL	L05
U2	4256094	L06	384376	5720195	EL	L06
U2	4256094	L07	384378	5720170	EL	L07
U2	4256094	L08	384375	5720146	EL	L08
U2	4256094	L09	384377	5720120	EL	L09
U2	4256094	L10	384376	5720097	EL	L10
U2	4256094	L11	384370	5720071	EL	L11
U2	4256094	L12	384373	5720046	EL	L12
U2	4256094	L13	384373	5720022	EL	L13
U2	4256094	L14	384374	5719996	EL	L14
U2	4256094	L15	384374	5719974	EL	L15
U2	4256094	L16	384377	5719949	EL	L16
U2	4256094	L17	384373	5719924	EL	L17
U2	4256094	L18	384371	5719900	EL	L18
U2	4256094	L19	384372	5719875	EL	L19
U2	4256094	L20	384374	5719850	EL	L20
U2	4256094	L21	384374	5719850	EL	L21
U2	4256094	L22	384374	5719826	EL	L22
U2	4256094	L23	384371	5719799	EL	L23
U2	4256094	L24	384368	5719775	EL	L24
U2	4256094	L25	384371	5719751	EL	L25
U2	4256094	L26	384371	5719726	EL	L26
U2	4256094	L27	384368	5719700	EL	L27
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U2	4256094	L29	384370	5719649	EL	L29
U2	4256094	L30	384374	5719623	EL	L30
U2	4256094	L31	384369	5719598	EL	L31
U2	4256094	L32	384370	5719574	EL	L32
U2	4256094	L33	384369	5719547	EL	L33
U2	4256094	L34	384369	5719523	EL	L34
U2	4256094	L35	384371	5719497	EL	L35
U2	4256094	L36	384372	5719471	EL	L36
U2	4256094	L37	384369	5719448	EL	L37
U2	4256094	L38	384372	5719422	EL	L38
U2	4256094	L39	384369	5719398	EL	L39
U2	4256094	L40	384374	5719370	EL	L40
U2	4256094	L41	384370	5719342	EL	L41
U2	4256094	L42	384370	5719314	EL	L42
U2	4256094	L43	384368	5719289	EL	L43
U2	4256094	L44	384371	5719267	EL	L44
U2	4256094	L45	384368	5719240	EL	L45
U2	4256094	L46	384376	5719214	EL	L46
U1	3017902	OC001	379754	5716644	EL	OC001A
U1	3017902	OC002	379739	5716671	EL	OC002

U1	3017902	OC003	379727	5716687	EL	OC003
U1	3017902	OC004	379718	5716709	EL	OC004
U1	3017902	OC005	379261	5717612	EL	OC005
U1	3017902	OC006	379273	5717590	EL	OC006
U1	3017902	OC007	379282	5717569	EL	OC007
U1	3017902	OC008	379296	5717545	EL	OC008
U1	3017902	OC009	379307	5717519	EL	OC009
U1	3017902	OC010	379322	5717499	EL	OC010
U1	3017902	OC011	379332	5717473	EL	OC011
U1	3017902	OC012	379347	5717452	EL	OC012
U1	3017902	OC012	379347	5717452	EL	OC012A
U1	3017902	OC013	379353	5717426	EL	OC013
U1	3017902	OC014	379365	5717404	EL	OC014
U1	3017902	OC015	379373	5717382	EL	OC015
U1	3017902	OC016	379389	5717359	EL	OC016
U1	3017902	OC017	379398	5717340	EL	OC017
U1	3017902	OC018	379409	5717313	EL	OC018
U1	3017902	OC019	379417	5717295	EL	OC019
U1	3017902	OC020	379430	5717276	EL	OC020
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U1	3017902	OC026	379486	5717163	EL	OC026
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U1	3017902	OC028	379505	5717118	EL	OC028
U1	3017902	OC029	379523	5717100	EL	OC029
U1	3017902	OC030	379533	5717079	EL	OC030
U1	3017902	OC031	379541	5717056	EL	OC031
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U1	3017902	OC033	379891	5717248	EL	OC033
U1	3017902	OC034	379887	5717223	EL	OC034
U1	3017902	OC035	379891	5717199	EL	OC035
U1	3017902	OC036	379897	5717174	EL	OC036
U1	3017902	OC037	379902	5717149	EL	OC037
U1	3017902	OC038	379902	5717125	EL	OC038
U1	3017902	OC039	379910	5717099	EL	OC039
U1	3017902	OC040	379920	5717077	EL	OC040
U1	3017902	OC041	379910	5717050	EL	OC041
U1	3017902	OC042	379911	5717026	EL	OC042
U1	3017902	OC043	379913	5717001	EL	OC043
U1	3017902	OC044	379916	5716974	EL	OC044
U1	3017902	OC045	379919	5716940	EL	OC045
U1	3017902	OC046	379919	5716923	EL	OC046
U1	3017902	OC047	379919	5716923	EL	OC047
U1	3017902	OC048	379932	5716898	EL	OC048

U1	3017902	OC049	379926	5716873	EL	OC049
U1	3017902	OC050	379929	5716849	EL	OC050
U1	3017902	OC051	379934	5716824	EL	OC051
U1	3017902	OC052	379935	5716799	EL	OC052
U1	3017902	OC053	379938	5716775	EL	OC053
U1	3017902	OC054	379942	5716746	EL	OC054
U1	3017902	OC055	379949	5716727	EL	OC055
U1	3017902	OC056	379948	5716702	EL	OC056
U1	3017902	OC057	379953	5716679	EL	OC057
U1	3017902	OC058	379956	5716651	EL	OC058
U1	3017902	OC059	379960	5716629	EL	OC059
U1	3017902	OC060	379963	5716602	EL	OC060
U1	3017902	OC061	379973	5716577	EL	OC061
U1	3017902	OC062	379966	5716554	EL	OC062
U1	3017902	OC063	379969	5716529	EL	OC063

SAMPLE_TYPE	DEPTH	COMMENTS
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H+P	20	
P	10	
H+P	10	
P	10	
P	10	
P	10	
P+H	20	
H+P	10	
H+P	10	DUPLICATE
H+P	10	
P	15	
H+P	22	
PK	20	
PK	20	
H	10	
H	10	
H	10	
	0	
P	10	
P	10	
H	10	
H	10	
	0	
P	10	
PK	10	
P+H	15	
P+H	15	
P	10	
H	20	
P	10	
P	10	
P	10	
H	25	
P	10	
P	10	
P	10	
P	10	
P	10	
P	10	
P	5	
P	5	
P	10	
P	10	

P= Peat
H=Humus
S=Sphagnum
L=Leaves

number of sample sites	263

295 samples were collected from 263 sites on 8 claims ove
2655m on Keezhik; 1125m on U2; 1400m on U2

P	10	
P	10	
H	20	
P	10	
P	12	
P	10	
P	12	
P	10	
P	10	
P	10	
P	10	
P	10	
P	5	
H+P	0	
P	10	
S	10	
S	10	
H	1	
H	10	
H	1	
P	10	
H	1	
P	10	
H+P	1	
P	10	
P	1	
P	10	
H+P	1	
P	10	
P	1	
H+P	10	
P	1	
H+P	10	
P	1	
H	10	
H+P	1	
H	10	DUPLICATE
C	1	
H	15	
S	10	
H+L	1	
S	2	
H+L	1	
H	10	
P	1	
H+P	10	
H	10	

H	10	
H	10	
H	7	
H	10	
H	10	
H+P	1	
H+P	1	
H	10	
H	1	
H+P	10	
H+P	10	DUPLICATE
H+P	10	
H	1	
H+L	1	
H+L	1	
H+L	1	
H+P	10	
H+L	1	
H+L	1	
H+L	1	
H+L	1	
P	10	
H	10	
H	1	
H	10	
H	1	
H	10	
P	10	
P	0	DUPLICATE
H	10	
	0	
H	10	
H	10	
H	10	
H	10	
H	1	
S	15	
H	1	
H	10	
H	10	
H	10	
H+P	10	
H	10	
H	1	
H	10	
H	10	
H+P	10	

H	5	
H	10	
	10	
H+P	10	
H+P	10	
H+P	10	DUPLICTE
H+P	10	
H+P	10	
H+P	10	
H+P	10	
P	10	
P	10	
H	10	
H+P	10	
H	10	
H+P	10	
H+P	10	
H	10	
H+P	10	
H	10	
H	10	
H+P	10	
H+P	20	
H+P	10	
P	10	
P	10	
P	10	DUPLICATE
H	10	
H+L	1	
H+P	10	
P	5	
H+P	1	
H+L	1	
H+L	5	
H	1	
H	10	
H	10	
H+P	10	
P	10	
H	10	
P	10	
H	20	
H+P	10	
H	10	
H	10	
H+P	10	
H	10	

H+P	10	
P	10	
P	10	
P	10	
P	10	
P	10	
P	10	
P	10	
P	10	
H+P	10	
P	10	
H+P	10	
P	10	
H	15	
C+S	15	
P	10	
P	10	
P	10	
P	10	
P	10	DUPLICATE
P	10	
P	10	
P	10	
P	10	
P	10	
P	10	
P	10	
P	10	
P	10	
P	10	
P	10	
P	10	
P	10	
H+P	10	
P	10	
H	10	
H	10	
S	3	
S	10	
H	3	
H	10	
H	1	
H	10	
H	5	
H	10	
P+H	2	
S	2	

S	5	
S	13	
H	10	
P+H	10	
P	10	
P	10	
P	10	
S	7	
S	8	
S	25	
H	5	
H	10	
H	10	
H	10	
S	10	
S	10	
S	7	
P+H	10	
P+H	10	
P+H	10	DUPLICATE
P	10	
P	10	
P	10	
P	10	
P	10	
P+H	10	
H	10	
H	10	
H	10	
H	10	
H	10	
S	7	
S+C	10	
C	15	
P+H	10	
P+H	10	
P+H	10	
P+H	10	
P+H	10	
P+H	10	
P+H	10	
H	10	
H	8	
S	20	
S	10	
S	10	DUPLICATE
S	15	

S	15
S	15
S	12
S	15
S	15
P	10
S	20
H	2
H	10
H	10
H+P	10
H	10
P	10
P	10
H+P	10

er 5.2 km:

Appendix 6A: Location and type of MMI samples. UTM Zone 16 NAD 83.

Claim	Sample Site	Sample No	POINT_X	POINT_Y	Method Analyses	Sample Type	Depth CM	Comments
3002915	KEEZ014	KEEZ014B	390939	5722930	MMI	S	12	C- Clay
3002915	KEEZ015	KEEZ015B	390938	5722961	MMI	S	11	S= Sand
3002915	KEEZ016	KEEZ016B	391079	5722760	MMI	C	30	H= Humus
3002915	KEEZ018	KEEZ018B	391073	5722809	MMI	C	150	
3002915	KEEZ020	KEEZ020B	391065	5722860	MMI	C	150	
3002915	KEEZ021	KEEZ021B	391055	5722883	MMI	S	40	
3002915	KEEZ022	KEEZ022B	391054	5722908	MMI	S	25	
3002915	KEEZ023	KEEZ023B	391048	5722931	MMI	C	200	
3002915	KEEZ024	KEEZ024B	391041	5722954	MMI	C	60	
3002915	KEEZ025	KEEZ025B	391040	5722979	MMI	S	20	
3002915	KEEZ026	KEEZ026B	391037	5723004	MMI	S	15	
4243674	KEEZ043	KEEZ043B	389805	5722445	MMI	S	10	
4243674	KEEZ044	KEEZ044B	389791	5722464	MMI	C+S	80	
4243674	KEEZ045	KEEZ045B	389788	5722491	MMI	S	110	
4243674	KEEZ046	KEEZ046B	389786	5722518	MMI	C+S	60	
4243674	KEEZ049	KEEZ049B	389775	5722566	MMI	S	10	
4243674	KEEZ051	KEEZ051B	389758	5722616	MMI	S	40	
4243674	KEEZ052	KEEZ052B	389756	5722654	MMI	S	40	
4243674	KEEZ054	KEEZ054B	389741	5722695	MMI	S	15	
4243674	KEEZ055	KEEZ055B	389740	5722720	MMI	S	10	
4243674	KEEZ056	KEEZ056B	389728	5722743	MMI	S	160	
4243674	KEEZ057	KEEZ057B	389719	5722766	MMI	S	25	
4243674	KEEZ058	KEEZ058B	389720	5722788	MMI	S	110	
4256104	KEEZ059	KEEZ059B	389712	5722813	MMI	S	160	
4256104	KEEZ059	KEEZ060B	389712	5722813	MMI	S	160	DUPLICATE
4256104	KEEZ061	KEEZ061B	389509	5722897	MMI	S	110	
4256104	KEEZ062	KEEZ062B	389517	5722873	MMI	S	40	
4256104	KEEZ063	KEEZ063B	389522	5722847	MMI	S+G	110	
4256104	KEEZ064	KEEZ064B	389530	5722829	MMI	S	110	
4243674	KEEZ065	KEEZ065B	389535	5722804	MMI	S	110	
4243674	KEEZ066	KEEZ066B	389538	5722785	MMI	S	110	
4243674	KEEZ067	KEEZ067B	389546	5722761	MMI	S	80	
4243674	KEEZ068	KEEZ068B	389547	5722742	MMI	S	40	
4243674	KEEZ069	KEEZ069B	389558	5722717	MMI	H	160	
4243674	KEEZ070	KEEZ070B	389567	5722694	MMI	S	110	
4243674	KEEZ071	KEEZ071B	389564	5722669	MMI	S	110	
4243674	KEEZ072	KEEZ072B	389570	5722637	MMI	S	60	
4243674	KEEZ073	KEEZ073B	389584	5722612	MMI	S	60	
4243674	KEEZ074	KEEZ074B	389587	5722587	MMI	S+G	60	
4243674	KEEZ075	KEEZ075B	389591	5722563	MMI	S+G	50	
4243674	KEEZ076	KEEZ076B	389595	5722538	MMI	S	20	
4243674	KEEZ077	KEEZ077B	389605	5722514	MMI	S	60	
4243674	KEEZ078	KEEZ078B	389611	5722487	MMI	S	20	

4243674	KEEZ079	KEEZ079B	389614	5722463	MMI	S	110	
4243674	KEEZ080	KEEZ080B	389624	5722437	MMI	C+S	110	
4243674	KEEZ081	KEEZ081B	389634	5722413	MMI	S+G	200	
4243674	KEEZ082	KEEZ082B	389635	5722395	MMI	S+G	60	
4243674	KEEZ083	KEEZ083B	389642	5722366	MMI	C+S	110	
4243674	KEEZ083	KEEZ084B	389642	5722366	MMI	C+S	110	DUPLICATE
4243674	KEEZ085	KEEZ085B	389652	5722343	MMI	C+S	110	
4243674	KEEZ086	KEEZ086B	389414	5722565	MMI	S+G	30	
4243674	KEEZ087	KEEZ087B	389419	5722540	MMI	S	50	
4243674	KEEZ088	KEEZ088B	389425	5722517	MMI	S	60	
4243674	KEEZ089	KEEZ089B	389431	5722491	MMI	S	30	
4243674	KEEZ091	KEEZ091B	389440	5722442	MMI	S+G	40	
4243674	KEEZ092	KEEZ092B	389448	5722417	MMI	C+S	40	
4243674	KEEZ093	KEEZ093B	389454	5722392	MMI	S	30	
4243674	KEEZ094	KEEZ094B	389460	5722371	MMI	C	60	
4243674	KEEZ095	KEEZ095B	389465	5722346	MMI	S	20	
4243674	KEEZ096	KEEZ096B	389469	5722323	MMI	S	15	
4243674	KEEZ097	KEEZ097B	389478	5722297	MMI	C+S	160	
4243674	KEEZ098	KEEZ098B	389476	5722276	MMI	C	160	
4243674	KEEZ098	KEEZ099B	389476	5722276	MMI	C	160	DUPLICATE
4243674	KEEZ134	KEEZ134B	389491	5722225	MMI	C	40	
4243674	KEEZ135	KEEZ135B	389490	5722203	MMI	S	110	
4243674	KEEZ136	KEEZ136B	389491	5722179	MMI	C+S	160	
4243674	KEEZ141	KEEZ141B	388441	5722458	MMI	S	5	