

2013 Geochemical and Geophysical Report on the Toe Property, Yukon

Claims (and Grant Numbers) Being Renewed:

Pepper 1-12 (YC46710 – YC46721)
Pepper 13-32 (YC66520 – YC66539)
Toe 1-24 (YC46628 – YC46651)
Toe 25-60 (YC46674 – YC46709)
Toe 61-76 (YC66548 – YC66563)
Winter 1-12 (YC46794 – YC46805)

NTS 115I/11, 12, 14
Whitehorse Mining District

62° 37' N Latitude/ 136° 21' W Longitude
UTM NAD 83 Zone 8: 376,500 m East and 6,956,900 m North

Work Performed: Sept. 18th – Oct 18th, 2013
Supervised by: Kory Dumas

**Owner:
BCGold Corp.
Suite 520 – 800 West Pender Street
Vancouver, British Columbia
Canada V6C 2V6**

Kory Dumas, B.Sc
January 24th, 2014

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Introduction

This report describes the 2013 exploration program completed on the Toe property, one of a number of properties held by BCGold Corp. in their Minto/Carmacks Copper-Gold project area. Work completed in 2013 consisted of a limited biogeochemical and VLF geophysical survey. Surveys were completed on 8 lines, spaced 200 metres apart, with samples and readings collected at 20 metre centers. A total of 508 sampling sites were visited. VLF data was collected at each site and a total of 442 geochemical samples were collected (including QAQC).

Location and Description

The Toe claims are located 90 kilometres north-northwest of Carmacks, in central Yukon (Figure 1, see Appendix I for detailed claim map). The property falls within the Whitehorse Mining District on NTS map sheets 115I/11, 12, and 14 and is centred at 62° 39' 17" north latitude and 136° 21' 44" west longitude (UTM Zone 8 NAD83 376,500 E / 6,956,900 N). The contiguous Toe, Winter and Pepper properties consist of 120 Yukon Quartz Mining claims (Table 1) covering an area of approximately 2,508 hectares.

The claims are located within traditional territory of the Selkirk First Nation, which has a land claim settlement Agreement under the Yukon Umbrella Final Agreement. The land on which the mineral claims are situated is crown land and the mineral claims fall under the jurisdiction of the Yukon government.

Table 1: Toe Property Tenure Information (all claims are being renewed)

Grant Number	Claim Name	Claim Owner
YC46710 – YC46721	Pepper 1-12	BCGold Corp. – 100%
YC66520 – YC66539	Pepper 13-32	BCGold Corp. – 100%
YC46628 – YC46651	Toe 1-24	BCGold Corp. – 100%
YC46674 – YC46709	Toe 25-60	BCGold Corp. – 100%
YC66548 – YC66563	Toe 61-76	BCGold Corp. – 100%
YC46794 – YC46805	Winter 1-12	BCGold Corp. – 100%

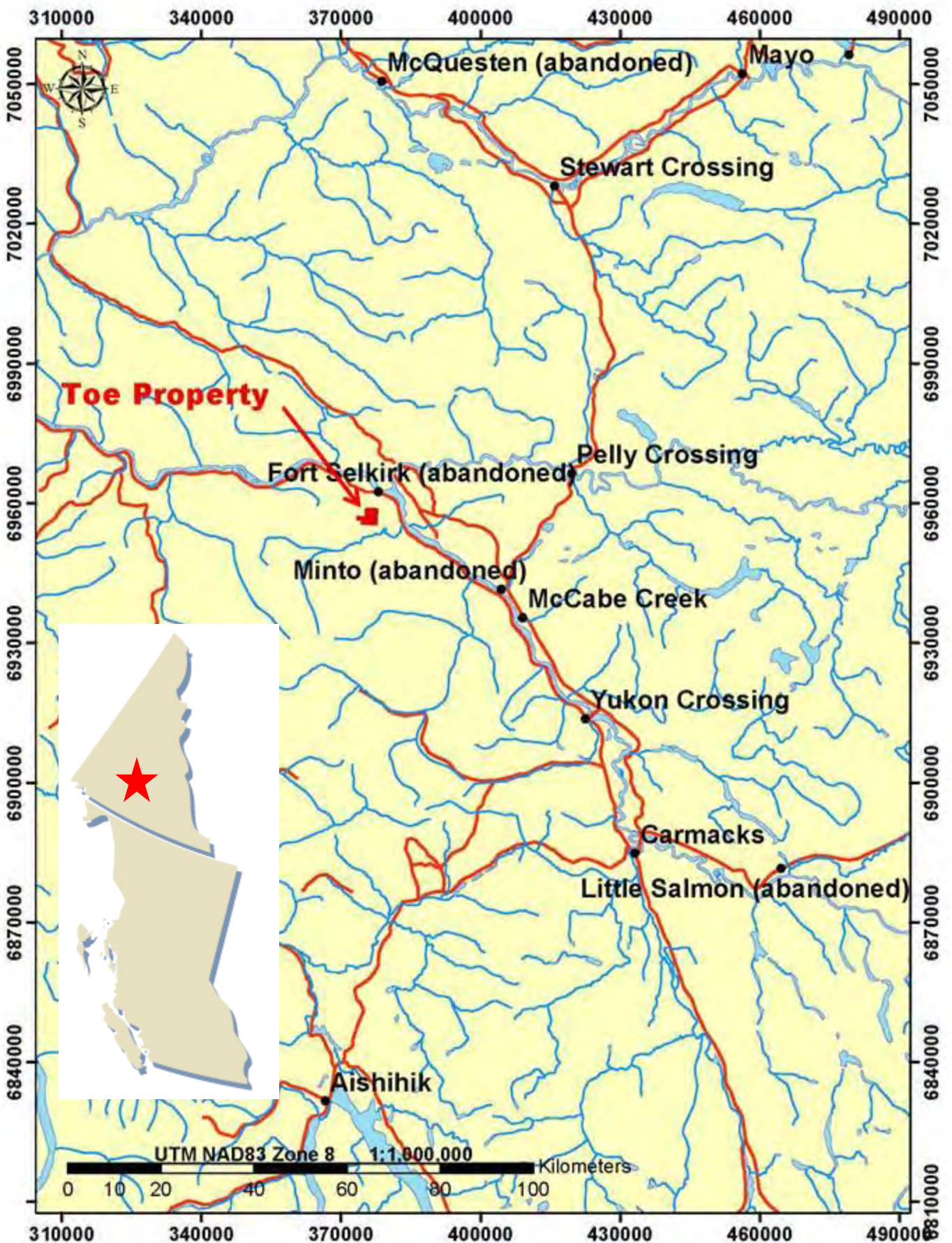


Figure 1: Property Location

Access, Topography, Vegetation and Climate

Access

There is no road access to the property. Access to the property is by helicopter and staging can be done from Pelly River Ranch, located approximately 5 km from the property, with the permission of the owners, or from a staging area at the Minto airstrip, situated 30 km to the southeast. Fort Selkirk, a former trading post established in 1852 and now a current heritage site, is situated on the Yukon River, approximately 7 km northeast of the Toe property. Fort Selkirk has a 610 m gravel airstrip situated at 62°46'06"N and 137°23'05"W which can also be used for staging.

Topography, Vegetation and Climate

The following is verbatim from Pautler 2012 *“Technical Report on the Toe Property in the Carmacks Copper-Gold Belt”*:

“The Toe property is located along the eastern flank of the Dawson Range within the Yukon Plateau, covering low rolling hills just southwest of the Yukon River, near its confluence with the Pelly River. The hills are cut by shallow, intermittent streams (northerly flowing tributaries of the Yukon River and southerly flowing tributaries of Wolverine Creek) with abundant swamps and permafrost. Wolverine Creek lies just south of the Toe property. Elevation ranges from 580 metres in the northeastern and southeastern property areas, locally to 810 metres along an easterly trending ridge through the central property area. No ash layer was detected on the property. Permafrost was found to be extensive in the central grid area and in the northern and southern quarters of the grid.

Vegetation is variable with dense to more open spruce forests, locally with pine, broken by open poplar stands. Muskeg and thick willow, birch and alder cover the low swampy ground.”

Low precipitation and a wide temperature range characterize the climate. Winters are cold, and temperatures of -30° C to -40° C are common. Summers are moderately cool to hot, with daily highs of 15° C to 30° C.

The village of Carmacks, situated 90 km to the southeast, is the closest town of significant size for obtaining groceries, fuel, accommodations and some rental equipment. Trans North Helicopters maintain a seasonal base in Carmacks. The Minto Mine is the nearest source of power and is located approximately 12 km to the south-southeast of the Toe property.

Exploration History

In the early 1970's exploration work was conducted in nearby areas however there is no record of any work done on the actual claims area during that period. The Yukon Government completed an airborne geophysical survey in the region early in the 1990's, the results of which were utilized by prospector Shawn Ryan for claim staking a number of properties in the area, including the Toe Property. The property package was optioned to BCGold Corp. in 2006 with the right to acquire a 100% interest in the properties.

In 2007, BCGold Corp. conducted a 3,295 line-km airborne magnetic and radiometric geophysical survey over their expansive property holdings in the region, including the Toe property area. A 320 sample MMI soil survey was also completed after the airborne survey which delineated anomalous copper in the south central portion of the Toe property claim block. The southern portion of this copper anomaly is coincident with a gold MMI soil anomaly and a magnetic anomaly. Aurum Geological Consultants Inc. conducted two prospecting and mapping traverses on the property as well.

In 2008, a 15 line km gradient array Induced Polarization (I.P.) geophysical survey was completed over the above mentioned anomalous areas. The results of the survey indicated four separate high chargeability zones.

A follow up work program in 2009 consisted of geological mapping and prospecting by Jean Pautler, P.Geo., and Don Coolidge. Forty-three (43) grid soil, 1 rock, 1 reconnaissance soil and 2 silt samples were collected.

In 2010, a 1058 metre, four-hole diamond drill program was undertaken by option partner Kestral Gold Inc., targeting coincidental anomalies defined by information gathered from the above mentioned surveys. BCGold was operator of this drill program. Kestral Gold dropped the Toe property option in May, 2012 and BCGold re-optioned the property to Kaiyue International Inc. in July, 2012. The 2013 Toe Property exploration program was funded by Kaiyue International and BCGold Corp. was the operator.

Geological Setting

Regional Geology

The regional geology of the area is primarily summarized from (Tafti, 2005) & (Mortensen, 2003) & (Hood, 2008) & (Gordey, 2000).

The Toe property lies within the central portion of the Carmacks copper-gold belt, a 180 km by 60 km-wide north-northwest trending mineralized belt of similar intrusion-hosted copper- gold mineralization (figure 2). The belt includes the Minto Mine (Minfile 115I 021) of Capstone Mining Corporation (formerly Sherwood Copper Corp.), the Carmacks Copper deposit of Western Copper Corp. (Minfile 115I 008 - currently in the permitting process) and the STU prospect (Minfile 115I 011), all hosted by the Granite Mountain Batholith (GMB) of the Early Jurassic

Aishihik/Long Lake plutonic suite (EJgA). The intrusive body at Minto is specifically referred to as the Minto Pluton (MP), part of the Granite Mountain Batholith.

The regional area of the Carmacks copper-gold belt is underlain by intermediate to felsic intrusive and meta-intrusive rocks of the Early Jurassic Aishihik/Long Lake plutonic suite (EJgA) intruding Paleozoic metaplutonic rocks (YTp) and locally metavolcanic rocks of the Yukon Tanana Terrane, near the boundary with upper Triassic and/or older mafic volcanic rocks of the Stikine Terrane (ST) to the east. The above lithologies are unconformably overlain by younger basaltic to andesitic volcanic rock units of the Late Cretaceous Carmacks Group (uKv) and in the central part of the belt, basalt flows of the Tertiary to Quaternary Selkirk Group (TQv). The Selkirk Group is particularly evident along the north side of the Yukon River at Fort Selkirk and along the canyon walls of Wolverine Creek.

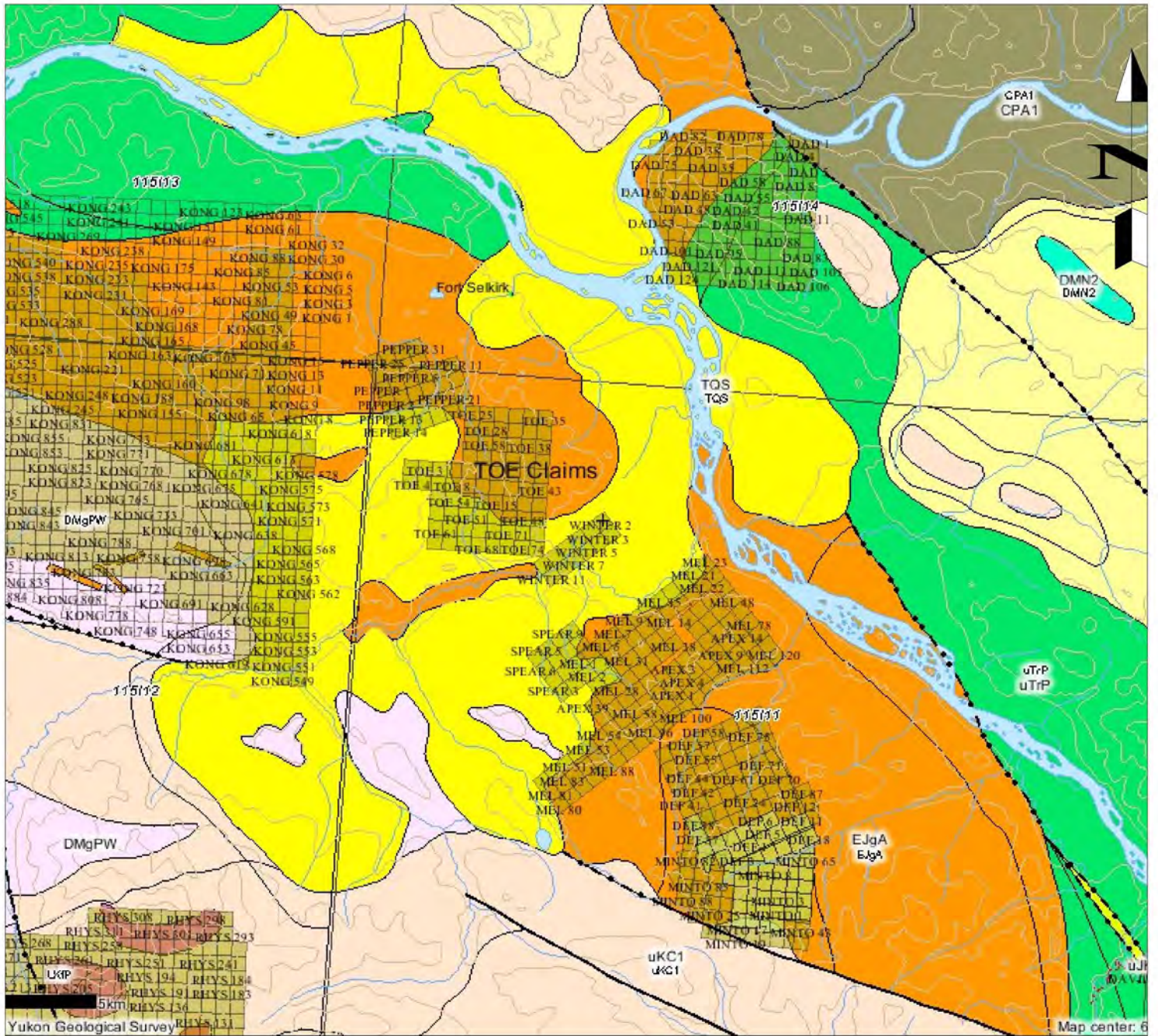
The northwest trending Hoochekoo Fault, which lies just to the northeast of the STU property and the Carmacks Copper deposit, transects the Carmacks copper-gold belt separating the Minto deposit from the Carmacks Copper deposit and the STU property.

The area has been glaciated with overall northwesterly ice directions and local southeast ice directions, particularly in the west.

Property Geology

The property geology of this area is summarized from Pautler, 2012. Outcrop is limited on the property, comprising less than 10%, and is generally confined to rounded ridge lines. The Toe property is primarily underlain by the main K-spar megacrystic granodiorite phase of the Granite Mountain Batholith. The main phase is a massive coarse grained biotite-hornblende granodiorite with 5-15% mafic minerals and potassium feldspar megacrysts. It should be noted that within the Carmacks copper-gold belt, copper mineralization is typically associated with foliated to gneissic granodiorite, more mafic phases and often finer grained variants of the granodiorite.

Olivine basalt flows, commonly vesicular, of the Pliocene and younger Selkirk Group overlie the granodiorite in the southern property area. Minor basalt dykes intrude the Granite Mountain Batholith proximal to the main body of basalt. The aeromagnetic signature and a break in an aeromagnetic lineament suggest that the basalts occur as dykes in the southeast property area and do not form part of the larger body. The break in the aeromagnetic lineament also indicates a pre-Selkirk age for the structure.



Yukon Geological Survey

Map center: 6

- | | |
|--|---|
| <ul style="list-style-type: none"> Early Jurassic
Minto Pluton
granodiorite/diorite/monzodiorite Paleozoic
metamorphic
amphibolite/qtz-mica-schist/phyllite Upper Cretaceous
volcanic
basalt/breccia/andesite/porphyry/dacite/trachyte Upper Jurassic and Lower Cretaceous
sedimentary
shale/argillite/siltstone/sandstone/conglomerate/dacite/andesite flow | <ul style="list-style-type: none"> Triassic
Volcanic
argillite/sandstone/basalt/flows/breccia/tuff/schist/amphibolite/gneiss Cenozoic
volcanic
basalt/tuff/breccia Quaternary
unconsolidated
silt/sand/gravel |
|--|---|

BCGold Corp.	
Date: 6/1/2011	Toe Property Regional and Property Geology Map
Author: G. Sidhu	
Office: Vancouver	
Scale: 1:20000	Projection: Non-Earth (feet)

2013 Exploration Program

The 2013 exploration program on the Toe property consisted of biogeochemical sampling (black spruce twigs) and geophysical surveying (VLF-EM) conducted on NE-SW oriented lines. The objective of the 2013 program was to verify the anomalies produced by the 2007 MMI sampling program and to extend the geochemical survey coverage to the west.

The decision to use biogeochemical sampling methods, and specifically black spruce twig sampling, was based largely on the orientation survey completed by the author at BCGold's WS property in 2012 (Dumas, 2013). Biogeochemistry was first proposed by the author as a means of seeing through the ash layer which is present in many areas on both the WS and the Toe properties. An added benefit to biogeochemical sampling is that while the cost of analysis is comparable to conventional or MMI soil sampling, sample collection is much faster (approx. twice as many biogeochem samples can be collected in one day compared with soil sampling), making the method more cost effective. Black spruce was initially targeted based on its abundance in the Minto/Carmacks area, as well as the work of Dr. Colin Dunn, who has been studying biogeochemical exploration methods for many years (Dunn, 2007).

Sampling was conducted on 8 lines spaced 200 metres apart, with a sample spacing of 20 metres on each line. A total of 442 black spruce twig samples were collected and a total of 508 VLF-EM readings were taken. The work was focused on the SW portion of the property, directly to the W of the 2007 MMI grid.

Method

Biogeochemistry

Black spruce twig samples were collected by clipping approximately 15centimetres off the ends of small branches showing new growth and placing them in 5x7 Hubco bags. A sample size of approximately 250 grams was the target, which is approximately a full 5x7 bag worth of twigs. Healthy trees of approximately the same size were selected, with a target tree height of 5 metres, although smaller or larger trees were sampled when necessary. Particular attention was paid in areas which also contained white spruce trees, as it is very easy to mistake a white spruce for a black spruce.

At each sampling site, the following notes were recorded by hand: sample number, UTM coordinates (UTM NAD83 Zone 8); vegetation density (sparse, moderate, dense); ground moisture (dry, moist, wet); slope (flat, gentle, medium, steep) and slope direction; date; sampler; general comments.

Geophysics

A Geonics Inc. Ronka EM-16 “Very Low Frequency” Electromagnetic (VLF-EM) unit, rented from SJ Geophysics in North Delta, BC, was utilized for the VLF-EM survey. Seattle, Washington (NLK - 24.6 kHz) was chosen as the preferred source transmitter for the survey, as it lies at an orientation of 144 degrees from the TOE Project area and is therefore almost exactly perpendicular to the TOE 2013 grid lines oriented at ~050 degrees. An 050 degree grid line orientation was chosen for the 2013 work, in contrast to the North-South grid for IP cut lines used in previous years, as this orientation is perpendicular to mineralization at the Minto Mine and Williams Creek, as well as the Carmacks Copper Belt as a whole.

A total of 508 stations were surveyed at a nominal 20m spacing (~1.1 total line km) on 100m spaced lines in Arc GIS and then located and “marked” in the field using a handheld Garmin 60SX GPS. At each station the operator always commenced taking readings by facing toward the southwest. While holding the unit horizontally, it was slowly swung back and forth to find the “null” direction to Seattle. The unit was then rotated up to vertical, while maintaining the same “null” direction to Seattle, and rocked forward and backward to find the second “null” while adjusting the quadrature dial. At this point the in-phase (%), quadrature (%), slope (degrees), and slope direction (degrees) were all noted in a book along with the UTM coordinates of the station. At the end of the day the GPS coordinates were downloaded with the station labels and checked against the coordinates noted in the field. VLF data was then entered into the spreadsheet for each station by hand.

Sample Preparation and Analysis

Biogeochemistry

All biogeochemical samples were prepped and analyzed in the same manner. Samples were analyzed at Activation Laboratories’ Kamloops lab. Black spruce twig samples were dried, after which the needles were separated and discarded (only twig material is analyzed). The remaining twig material was then macerated and digested in an acid mixture composed of HCl with trace HF acid. Following digestion, a 250 mg sample was analyzed using a high resolution ICP-MS, and assay results were returned for 63 elements. (Activation Lab codes: Prep – B2; Analysis – 2F)

Results

Analytical results were received directly from Activation Laboratories and merged with the appropriate field location and sample descriptions recorded in the field and stored in MS Excel files. This information was subsequently added to a MS

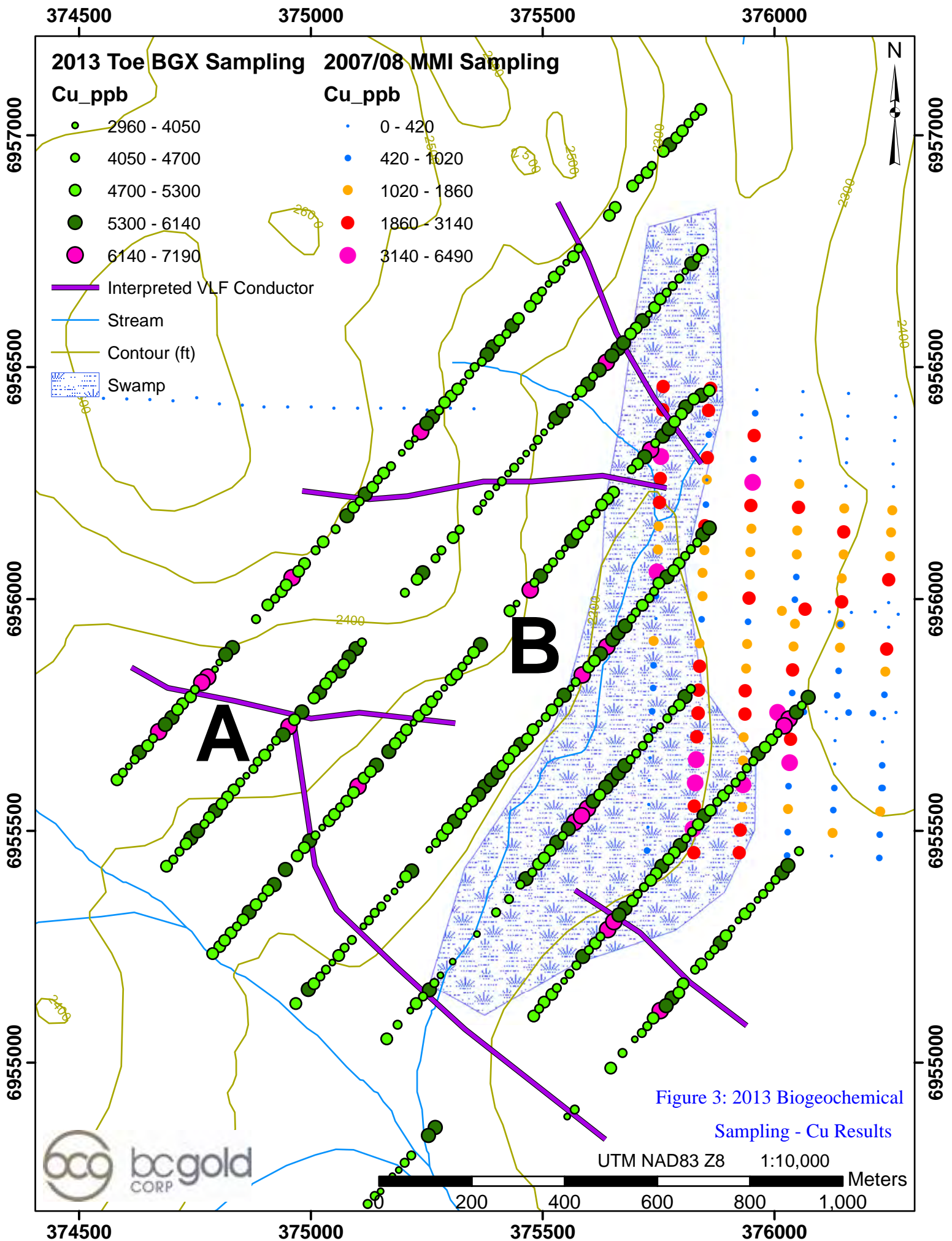
Access database. VLF-EM readings were recorded directly in the field and interpreted in-house. For a complete set of field notes for both the geochemical and the geophysical data collected, see Appendix III, and Appendix V for VLF-EM profiles. See Table 2 for simple statistics on selected elements, and Figures 3 through 8 for mapped results of selected elements.

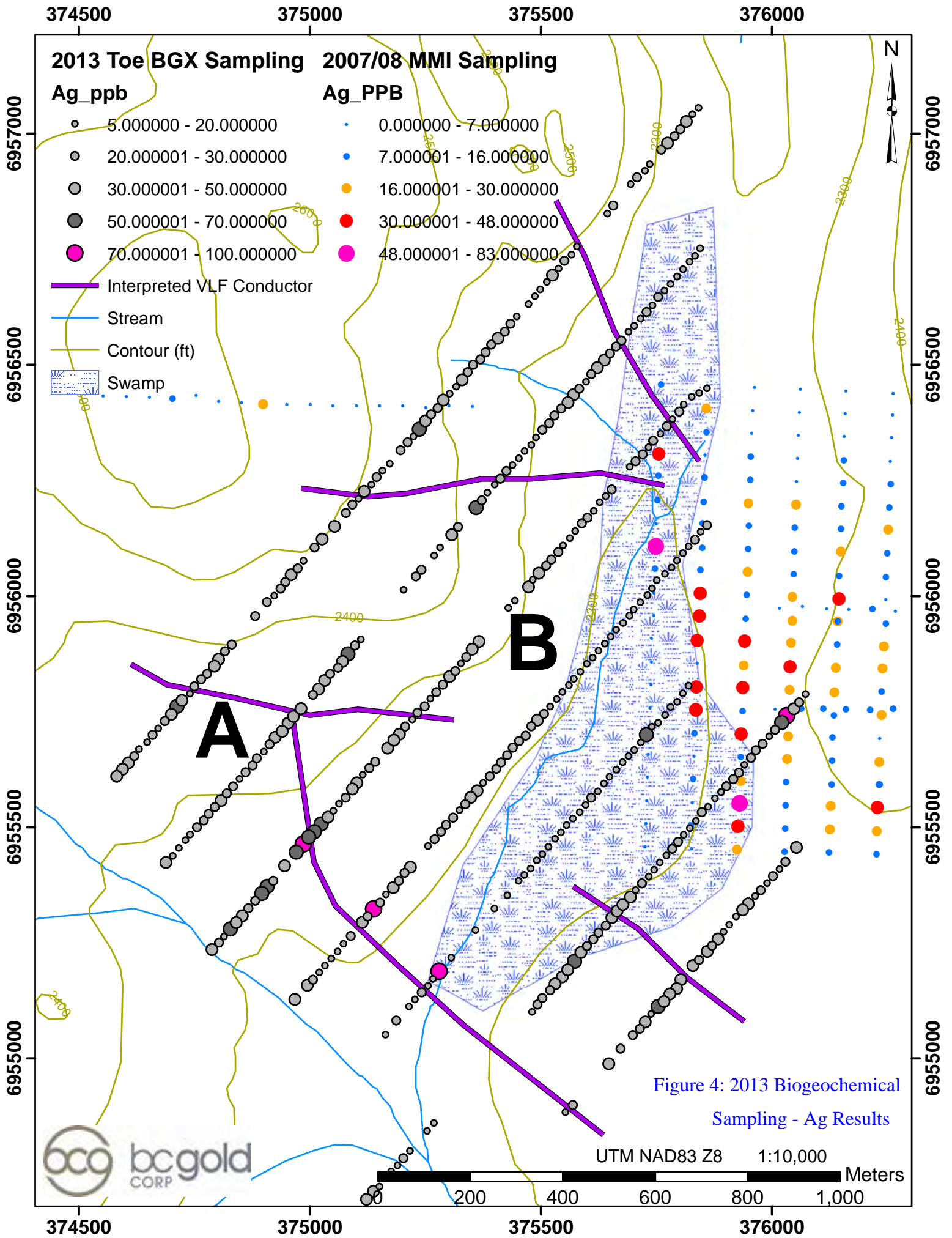
Table 2: Statistics for selected elements (all values in ppb)

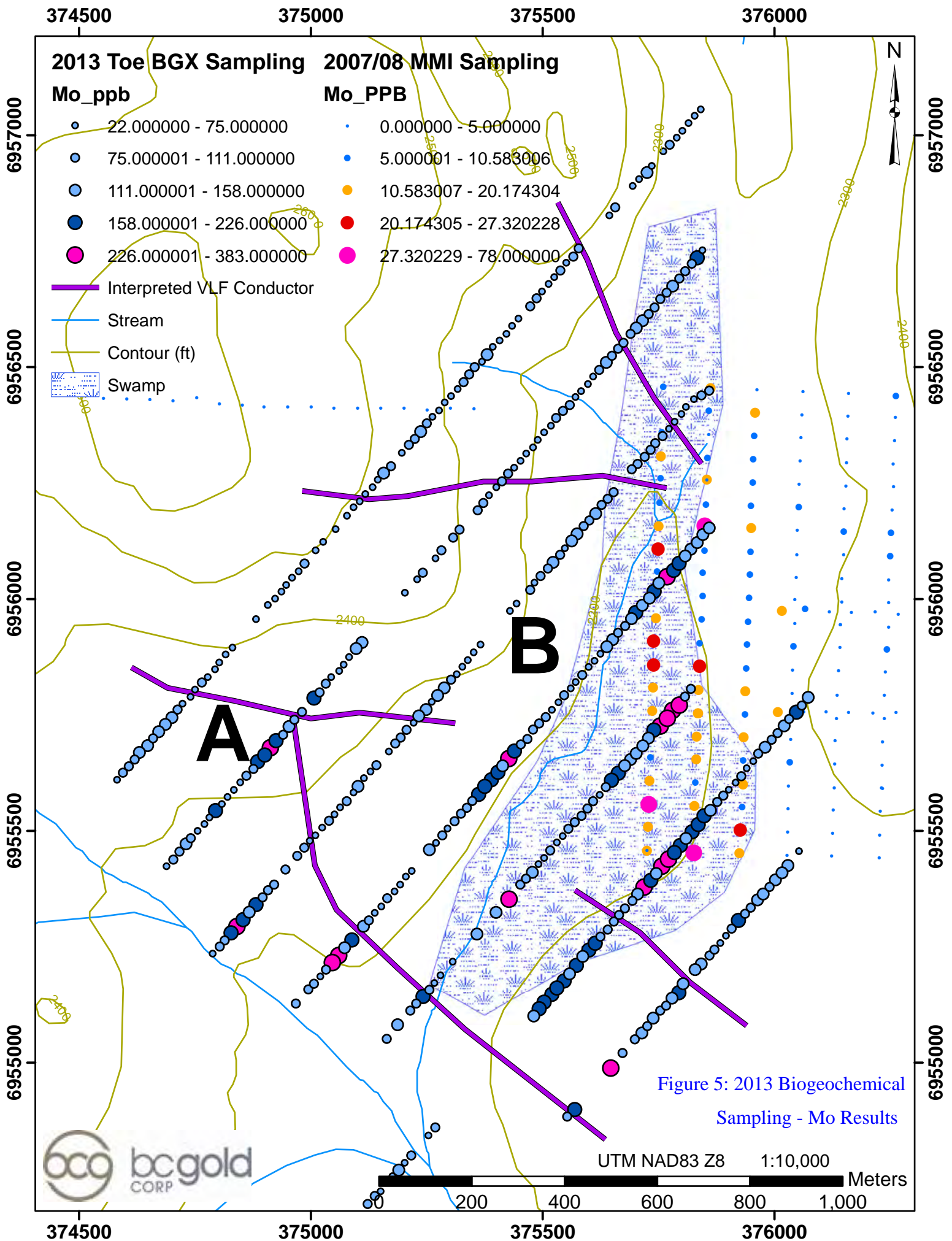
Element	Mean	Max	Min	Std. Dev.	Det. Limit
Ag	29	100	<10	13	10
Ce	71	218	13	36	2
Cu	4880	7190	2960	742	90
Mo	104	383	22	55	1
Sb	4	64	<4	6	4
W	<10	120	<10	11	10

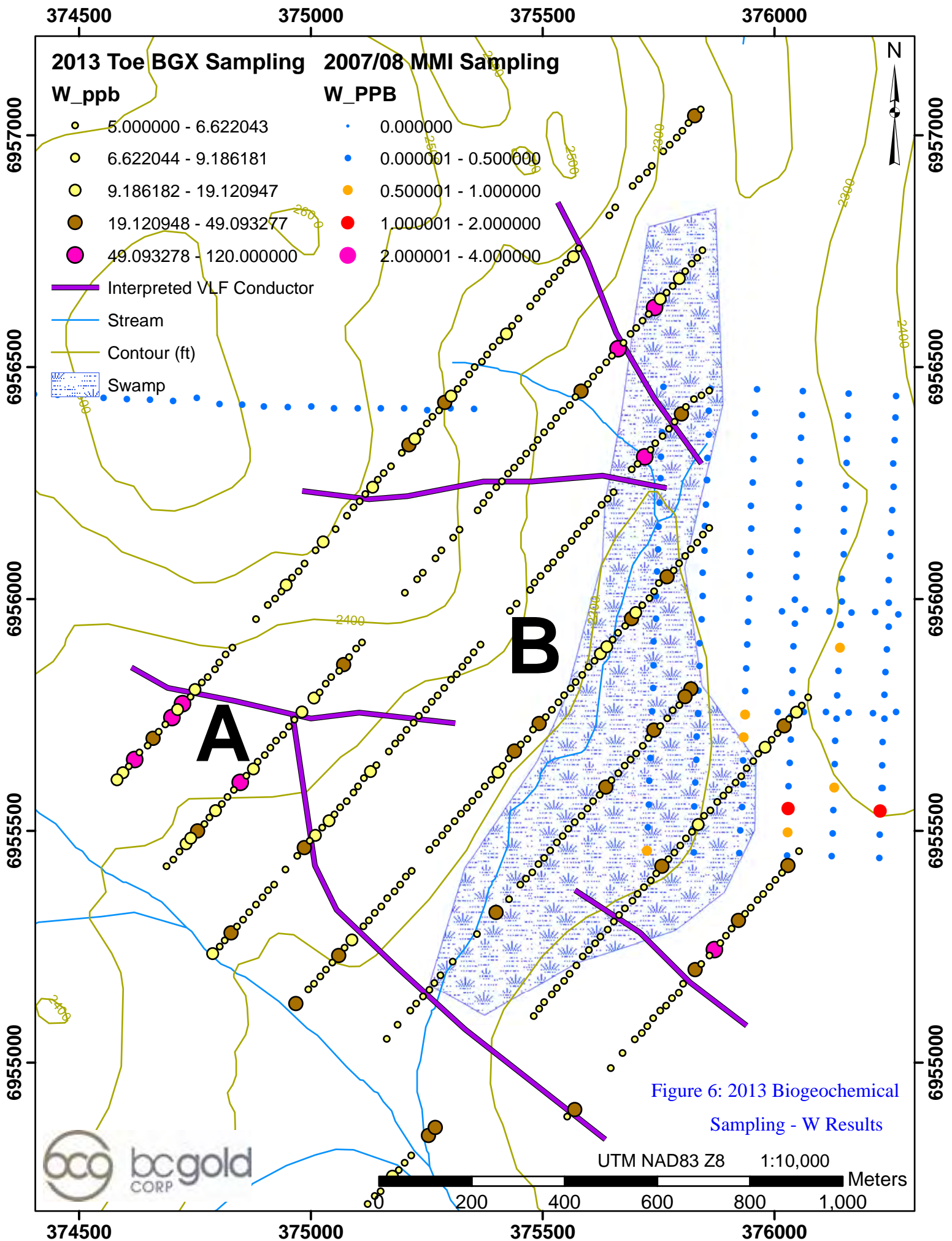
QA/QC

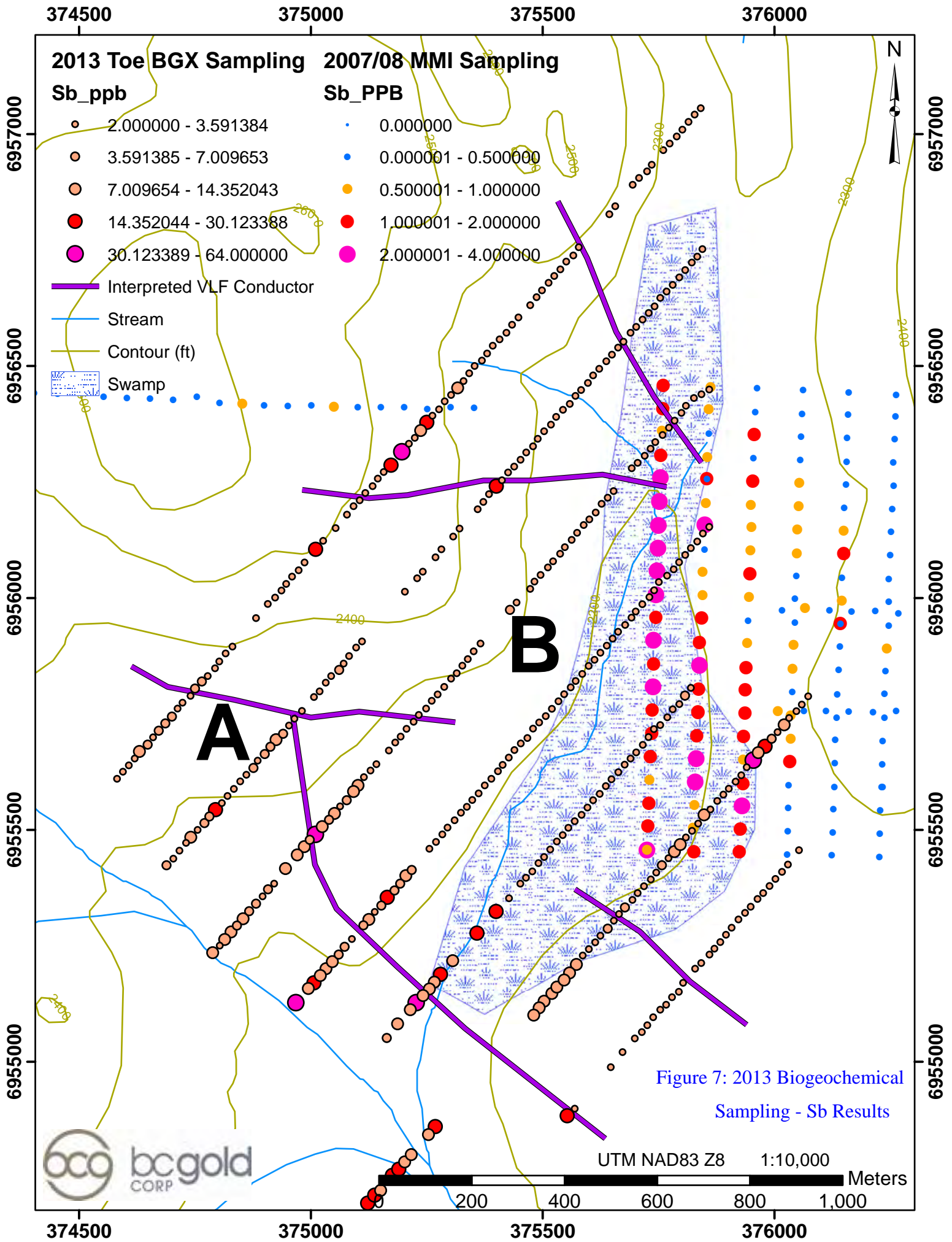
It was not possible to obtain relevant standards before departing for the field and as a result QA/QC for the biogeochemical sampling is entirely duplicate based. Due to the high resolution (ppb to sub-ppb levels) and the inherent variability due to medium and sample size, it must be expected that there will be moderate variability between duplicate samples. With this in mind, the vast majority of duplicate samples tested were within 1 to 2 standard deviations of the original sample, which is quite acceptable when compared to other similar biogeochemical programs (for detailed QA/QC results, see Appendix IV). This question of variability is certainly worth paying attention to, and it is strongly suggested that in subsequent years some re-sampling of trees take place, to determine if values are fluctuating greatly from year to year, and to prove that the underlying anomalous patterns are reproducible.

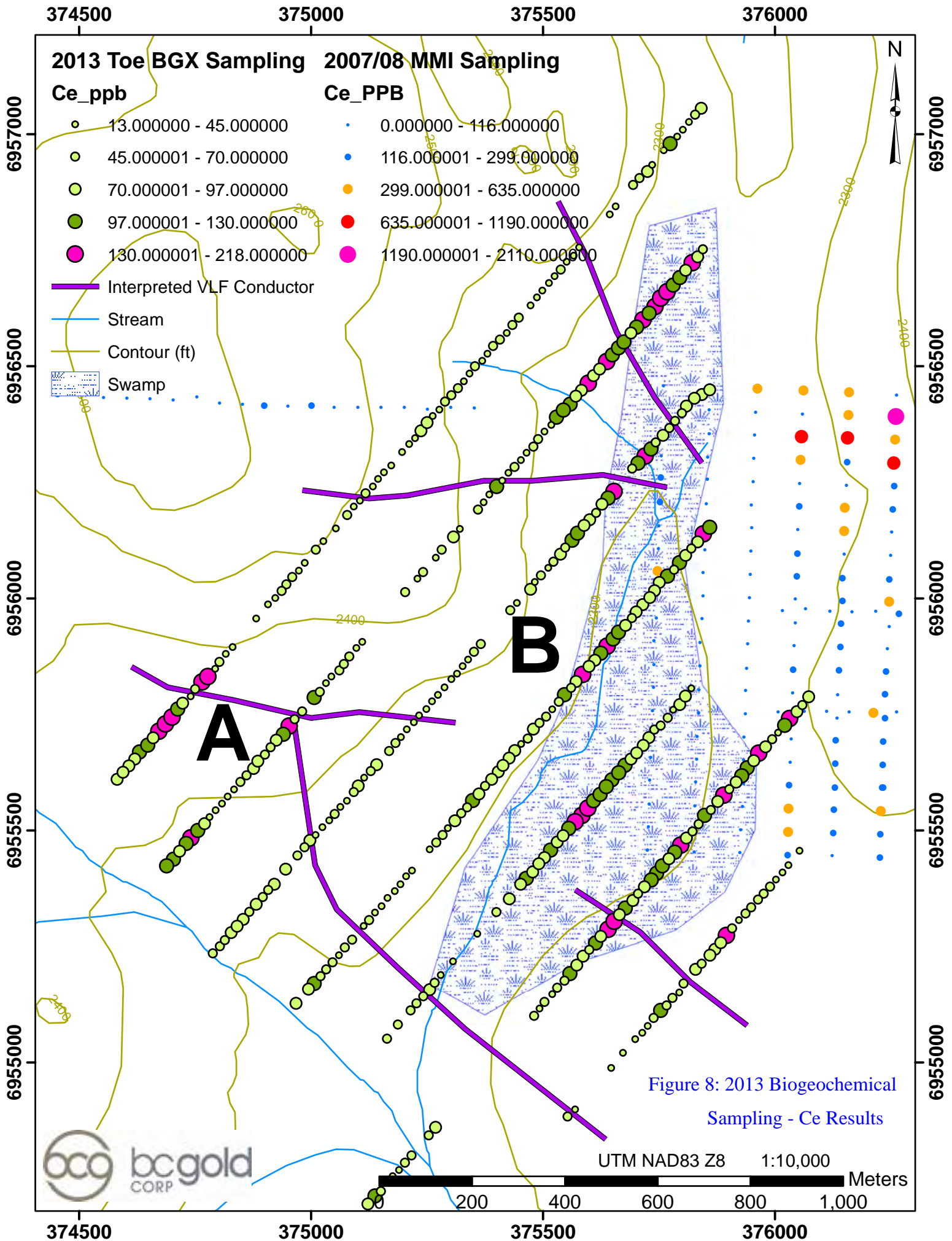












Conclusions

The 2013 biogeochemical sampling and VLF-EM programs defined two new coincidental and discrete, NW-SE striking linear anomalies over strike lengths of approximately 800 m and 1,300 m. (see Figures 3-8).

Anomaly A is located in the western most corner of the grid, extending from the edge of the swamp up the hill to the edge of sampling, remaining open to the NW. Significant coincidental Cu, Mo, Ag, W, Sb, and Ce anomalies suggest a robust exploration target.

Anomaly B crosses the swamp through the middle of the grid, extending to the northwestern-most line and remains open uphill. This linear anomaly is defined by a strong Cu response, and weaker W, Sb and Mo anomalies.

While sampling this year, observations were made about the ground moisture content at each sampling station. Using this information, an accurate 'swamp' was defined within the target area. Looking back at the 2007/08 MMI sampling program, it is now clear that the large anomaly defined on the western edge of the MMI soil grid is actually contained in this swamp. In this respect, the biogeochemical sampling seems to provide more resolution (as is shown with Anomaly B) within the swampy area, without an apparent need for levelling of the data.

Recommendations

The 2013 grid should be augmented to the SE and NW to cover the adjacent hills and possibly extend the two coincidental biogeochemical / VLF-EM anomalies. For future programs a VLF-EM unit capable of collecting magnetic data would be preferable. A trenching program designed to expose potential mineralized structures at Anomaly A and B is also warranted assuming positive results from the expanded grid.

It is also suggested that the historic MMI sampling data be levelled to account for swamp terrain affecting the MMI results. Levelling of the data based on regional quaternary geology could be quite valuable in isolating discrete anomalies in the expansive MMI dataset that BCGold created in the Minto-Carmacks region.

Statement of Expenditures

Assays	Description	Samples	Cost/Samp.	Total
Actlabs	Vegetation ICP-MS	442	\$41.00	\$18,122.00
Consultants	Days		Cost/Day	Total
Kory Dumas	23		\$450.00	\$10,350.00
Darren O'Brien	5		\$700.00	\$3,500.00
Brian Fowler	1		\$1,000.00	\$1,000.00
Bruce Coates	17		\$650.00	\$11,050.00
Field Work	Description			Total
Field Supplies				\$847.03
Equip. rental	Rental Car; Sat Phone; Container			\$3,356.14
Accommodation	(Oct. 2 - 16, 2013)			\$1,828.88
Food				\$2,625.28
Transport/gas				\$862.62
Helicopter				\$25,171.20
TOTAL				\$78,713.15

Statement of Qualifications

I, Darren L. O'Brien of 3649 – 153 Street, Surrey in the Province of British Columbia, certify that:

1. I am registered as a Professional Geologist with the Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGGA), and the Association of Professional Engineers and Geoscientists of the Province of British Columbia (APEGBC).
2. I am a graduate of the University of Alberta (1993) and hold a B.Sc. Degree (Specialization) in Geology.
3. I have worked in my profession as a Geologist since 1993, both as an employee of a major mining company and as a consultant. Places that I have worked include Canada, USA, Central Asia and the Caribbean.
4. I am currently consulting to BCGold Corp. and hold the position of Vice President of Exploration. My responsibilities include generating exploration projects for the company and quality control for advanced stage projects.
5. This report is based upon data collected during field work completed in Oct. 2013 on the Toe property.
6. I was not directly involved in the sampling program described in this report but have reviewed and approved of the program and conclusions.
7. I hold no interest in the Toe property. I am a shareholder of BCGold Corp. I am a member of the Stock Option Plan and my options have been registered with SEDI.

Dated this 24th day of January, 2014 at Vancouver, BC, Canada.

Darren L. O'Brien, P.Geo

I, Kory Dumas hereby certify that:

1. I reside at 22-1204 Main St, Squamish BC, V8B 0S3.
2. I have a Bachelor of Science Degree in Earth and Ocean Sciences from the University of British Columbia (2005), Vancouver, BC, Canada.
3. I have practiced my profession continuously since 2006 and have worked on exploration projects in British Columbia, Ontario, Nunavut and the Yukon Territory in Canada as well as Liberia, Africa.
4. I am a consultant employed by BCGold Corp. with offices at 520 – 800 West Pender Street, Vancouver, BC, Canada, V6C 2V6
5. I am the author of the assessment report titled 2013 Geochemical and Geophysical Report on the Toe Property. I was responsible for carrying out sampling, compiling the data, and aided in the interpretation of results.
6. I hold no interest in the Toe property, nor am I a shareholder in BCGold Corp.

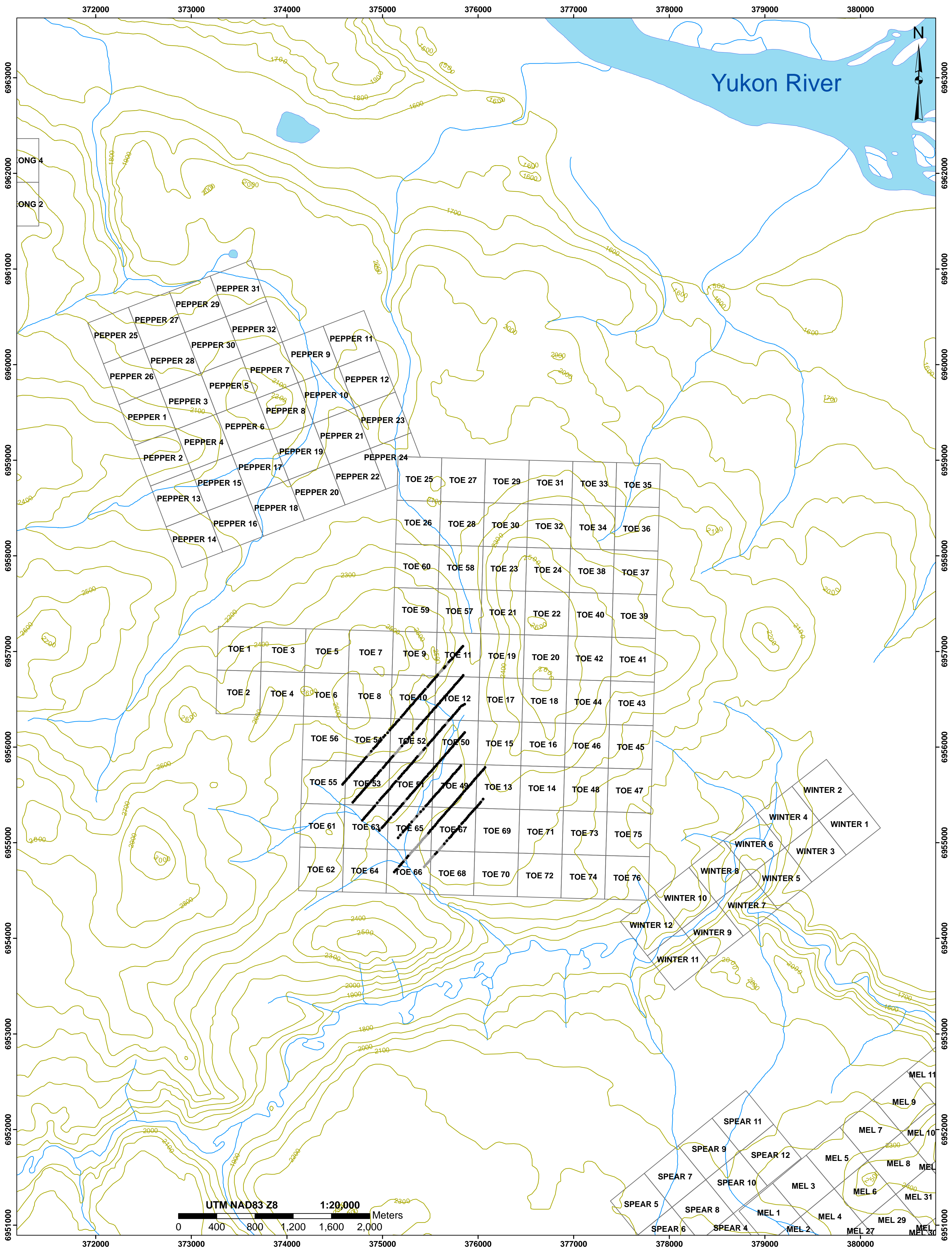
Dated this 24th of January 2014, Vancouver, BC

Kory Dumas, B.Sc

Works Cited

- Dumas, K. (2013). *Geochemical Report on the WS Property; prepared for BCGold Corp.; February, 2013.*
- Dunn (2007). *Biogeochemistry in Mineral Exploration*. Handbook of Exploration and Environmental Geochemistry series (M. Hale, series editor), Volume 9. Amsterdam, Elsevier.
- Gordey, S. &. (2000). Yukon Digital Geology. *Open File 1999-1 (D)*. Whitehorse.
- Hood, S. H. (2008). *High-grade hydrothermal copper-gold mineralization in foliated granitoids at the Minto Mine, Central Yukon*. Vancouver: Yukon Exploration and Geology .
- Mortensen, J. &. (2003). *Nature and Origin of Copper-Gold Mineralization at the Minto and Williams Creek Deposits, West-Central Yukon: Preliminary Investigations*. Whitehorse: Yukon Exploration Geology.
- Pautler, J. (2009). *Technical Report on the Toe Property in the Carmacks Copper-Gold Belt*. Whitehorse.
- Pautler, J. (2012). *Technical Report on the Toe Property in the Carmacks Copper-Gold Belt, Yukon Territory; prepared for Kaiyue International Inc.; August 22, 2012.*
- Tafti, R. (2005). *Nature and origin of the Early Jurassic Copper(-Gold) Deposits at Minto and Williams Creek, Carmacks Copper Belt, Western Yukon: Examples of Deformed Porphyry Deposits*. The University of British Columbia, Faculty of Graduate Sciences. Vancouver: The University of British Columbia.

Appendix I: Toe Property Claim Map



- 2013 Toe BGX Samples
- 2013 Toe VLF-EM Reading (no BGX)
- YK Quartz Claims (Claim Name)
- Contour (ft)
- River
- Lake

Toe Property 2013 Work Program and Claim Map



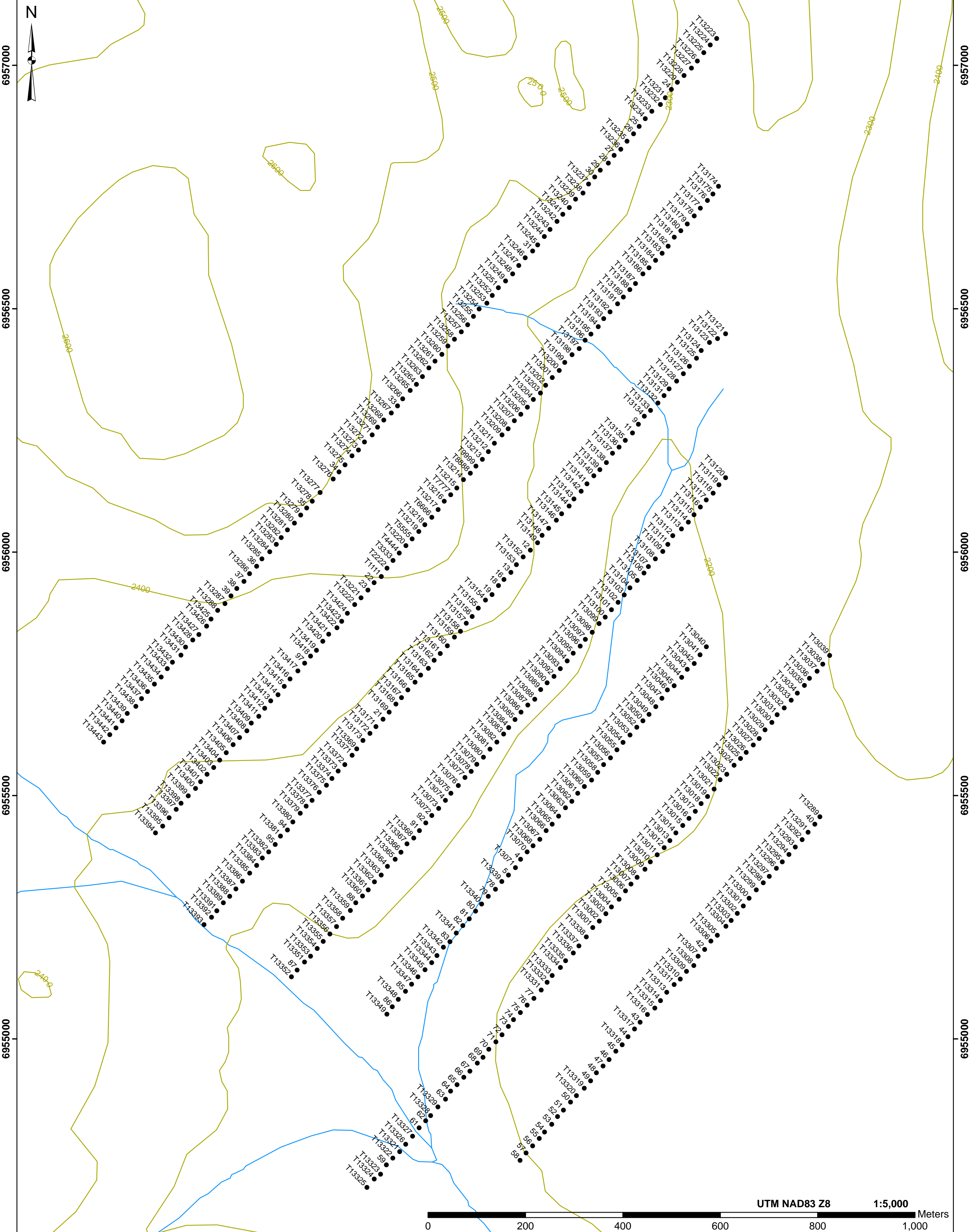
Appendix II: Detailed Map of 2013 Work

374500

375000

375500

376000



- VLF-EM (Station Name)
- Contour (ft)
- River

2013 Toe Property VLF-EM Stations



Appendix III: Geochemical and Geophysical Field Notes

Sample	UTM_E_NAD83_Z8	UTM_N_NAD83_Z8	Elev_m	Veg_density	Grd_moisture	Slope	Slope_dir	Date
T13001	375587	6955229	636	dense	wet	flat		10/5/2013
T13002	375600	6955242	635	dense	wet	flat		10/5/2013
T13003	375613	6955257	634	dense	wet	flat		10/5/2013
T13004	375625	6955271	633	dense	wet	flat		10/5/2013
T13005	375641	6955287	633	dense	wet	flat		10/5/2013
T13006	375654	6955304	632	dense	wet	flat		10/5/2013
T13007	375665	6955318	631	dense	wet	flat		10/5/2013
T13008	375678	6955332	631	dense	wet	flat		10/5/2013
T13009	375694	6955348	631	dense	wet	flat		10/5/2013
T13010	375705	6955363	631	dense	wet	flat		10/5/2013
T13011	375719	6955378	631	dense	wet	flat		10/5/2013
T13012	375733	6955393	631	dense	wet	flat		10/5/2013
T13013	375745	6955407	630	moderate	wet	flat		10/5/2013
T13014	375757	6955423	630	moderate	wet	flat		10/5/2013
T13015	375772	6955438	631	moderate	wet	flat		10/5/2013
T13016	375784	6955453	631	moderate	wet	flat		10/5/2013
T13017	375797	6955468	632	moderate	wet	flat		10/5/2013
T13018	375809	6955483	630	moderate	wet	flat		10/5/2013
T13019	375822	6955498	630	moderate	wet	flat		10/5/2013
T13021	375836	6955513	631	dense	wet	flat		10/5/2013
T13022	375848	6955532	631	dense	wet	flat		10/5/2013
T13023	375862	6955544	631	dense	wet	flat		10/5/2013
T13024	375877	6955562	633	moderate	wet	flat		10/5/2013
T13025	375890	6955576	633	moderate	wet	flat		10/5/2013
T13026	375902	6955588	633	moderate	wet	flat		10/5/2013
T13027	375916	6955604	634	moderate	wet	flat		10/5/2013
T13028	375928	6955617	637	moderate	wet	flat		10/5/2013
T13029	375941	6955635	638	moderate	wet	flat		10/5/2013
T13030	375954	6955650	640	moderate	wet	flat		10/5/2013
T13031	375965	6955666	640	dense	moist	gentle	W	10/5/2013
T13032	375980	6955680	642	dense	moist	gentle	W	10/5/2013
T13033	375994	6955696	645	moderate	moist	gentle	W	10/5/2013
T13034	376007	6955710	647	moderate	moist	gentle	W	10/5/2013
T13035	376021	6955726	650	dense	moist	gentle	W	10/5/2013
T13036	376032	6955741	652	dense	moist	gentle	W	10/5/2013
T13037	376047	6955755	654	dense	moist	gentle	W	10/5/2013
T13038	376059	6955770	657	dense	moist	gentle	W	10/5/2013
T13039	376073	6955787	659	dense	moist	gentle	W	10/5/2013
T13040	375820	6955806	632	moderate	wet	flat		10/5/2013
T13041	375807	6955789	633	moderate	wet	flat		10/5/2013
T13042	375795	6955771	632	moderate	wet	flat		10/5/2013
T13043	375781	6955759	633	moderate	wet	flat		10/5/2013
T13044	375769	6955742	633	moderate	wet	flat		10/5/2013
T13045	375754	6955725	634	moderate	wet	flat		10/5/2013
T13046	375740	6955717	633	moderate	wet	flat		10/5/2013
T13047	375729	6955699	633	moderate	wet	flat		10/5/2013
T13048	375716	6955683	634	moderate	wet	flat		10/5/2013
T13049	375702	6955666	634	moderate	wet	flat		10/5/2013
T13050	375690	6955653	634	moderate	wet	flat		10/5/2013
T13052	375677	6955640	634	moderate	wet	flat		10/5/2013
T13053	375663	6955624	633	moderate	wet	flat		10/5/2013
T13054	375649	6955609	632	moderate	wet	flat		10/5/2013
T13055	375636	6955594	632	moderate	wet	flat		10/5/2013
T13056	375623	6955577	611	moderate	wet	flat		10/10/2013

T13057	375609	6955563	611	moderate	wet	flat	10/10/2013
T13058	375597	6955548	610	moderate	wet	flat	10/10/2013
T13059	375584	6955532	610	moderate	wet	flat	10/10/2013
T13060	375569	6955518	611	moderate	wet	flat	10/10/2013
T13061	375556	6955504	611	moderate	wet	flat	10/10/2013
T13062	375544	6955488	611	moderate	wet	flat	10/10/2013
T13063	375531	6955475	611	moderate	wet	flat	10/10/2013
T13064	375517	6955457	611	moderate	wet	flat	10/10/2013
T13065	375503	6955441	609	moderate	wet	flat	10/10/2013
T13066	375491	6955428	610	moderate	wet	flat	10/10/2013
T13067	375478	6955410	609	moderate	wet	flat	10/10/2013
T13068	375464	6955396	608	sparse	wet	flat	10/10/2013
T13070	375452	6955384	608	sparse	wet	flat	10/10/2013
T13071	375428	6955352	612	sparse	wet	flat	10/10/2013
T13072	375256	6955458	660	moderate	moist	flat	10/10/2013
T13073	375270	6955473	660	moderate	moist	flat	10/10/2013
T13074	375284	6955489	660	moderate	moist	flat	10/10/2013
T13075	375295	6955504	660	moderate	moist	flat	10/10/2013
T13076	375310	6955520	668	moderate	moist	flat	10/10/2013
T13077	375324	6955536	669	moderate	moist	flat	10/10/2013
T13078	375337	6955549	668	dense	moist	flat	10/10/2013
T13079	375349	6955564	668	moderate	moist	flat	10/10/2013
T13080	375362	6955578	668	moderate	moist	flat	10/10/2013
T13081	375376	6955595	667	moderate	moist	flat	10/10/2013
T13082	375390	6955610	666	moderate	moist	flat	10/10/2013
T13083	375404	6955626	667	moderate	moist	flat	10/10/2013
T13084	375414	6955640	667	moderate	moist	flat	10/10/2013
T13085	375427	6955656	666	dense	moist	flat	10/10/2013
T13086	375439	6955671	666	dense	moist	flat	10/10/2013
T13087	375453	6955686	665	moderate	moist	flat	10/10/2013
T13088	375467	6955698	665	moderate	moist	flat	10/10/2013
T13089	375480	6955718	667	moderate	moist	flat	10/10/2013
T13090	375493	6955731	667	moderate	moist	flat	10/10/2013
T13092	375507	6955745	667	moderate	moist	flat	10/10/2013
T13093	375520	6955760	668	moderate	moist	flat	10/10/2013
T13094	375534	6955777	670	dense	moist	flat	10/10/2013
T13095	375547	6955792	669	moderate	wet	flat	10/10/2013
T13096	375561	6955807	670	moderate	wet	flat	10/10/2013
T13097	375571	6955821	670	dense	wet	flat	10/10/2013
T13098	375586	6955835	670	moderate	wet	flat	10/10/2013
T13099	375600	6955853	671	moderate	wet	flat	10/10/2013
T13100	375612	6955866	671	moderate	wet	flat	10/10/2013
T13101	375625	6955882	671	moderate	wet	flat	10/10/2013
T13102	375639	6955897	672	moderate	wet	flat	10/10/2013
T13103	375651	6955912	672	moderate	wet	flat	10/10/2013
T13104	375663	6955927	673	moderate	wet	flat	10/10/2013
T13105	375678	6955941	673	sparse	wet	flat	10/10/2013
T13106	375692	6955957	675	sparse	wet	flat	10/10/2013
T13107	375701	6955970	675	sparse	wet	flat	10/10/2013
T13108	375715	6955986	674	moderate	wet	flat	10/10/2013
T13109	375730	6956001	676	dense	wet	flat	10/10/2013
T13111	375741	6956016	676	moderate	wet	flat	10/10/2013
T13112	375751	6956034	677	sparse	wet	flat	10/10/2013
T13113	375769	6956048	678	sparse	wet	flat	10/10/2013
T13114	375783	6956061	677	moderate	wet	flat	10/10/2013

T13115	375795	6956076	679	dense	wet	flat		10/10/2013
T13116	375808	6956092	679	moderate	moist	flat		10/10/2013
T13117	375820	6956107	680	moderate	moist	flat		10/10/2013
T13118	375834	6956121	681	moderate	moist	flat		10/10/2013
T13119	375846	6956138	682	moderate	moist	flat		10/10/2013
T13120	375859	6956153	683	moderate	moist	flat		10/10/2013
T13121	375860	6956449	623	moderate	wet	flat		10/11/2013
T13122	375843	6956439	622	moderate	wet	flat		10/11/2013
T13123	375826	6956430	622	dense	wet	flat		10/11/2013
T13124	375809	6956414	623	moderate	wet	flat		10/11/2013
T13125	375800	6956398	621	moderate	wet	flat		10/11/2013
T13126	375785	6956382	621	moderate	wet	flat		10/11/2013
T13127	375773	6956367	621	sparse	wet	flat		10/11/2013
T13128	375759	6956351	620	sparse	wet	flat		10/11/2013
T13129	375743	6956335	621	moderate	wet	flat		10/11/2013
T13131	375733	6956321	620	sparse	wet	flat		10/11/2013
T13132	375721	6956306	620	sparse	wet	flat		10/11/2013
T13133	375705	6956291	621	moderate	wet	flat		10/11/2013
T13134	375693	6956279	619	sparse	wet	flat		10/11/2013
T13135	375653	6956230	621	moderate	wet	flat		10/11/2013
T13136	375641	6956216	620	moderate	wet	flat		10/11/2013
T13137	375627	6956203	620	moderate	moist	flat		10/11/2013
T13138	375615	6956184	618	sparse	moist	flat		10/11/2013
T13139	375601	6956169	617	sparse	moist	flat		10/11/2013
T13140	375589	6956157	617	sparse	moist	gentle	SE	10/11/2013
T13141	375575	6956140	617	sparse	moist	gentle	SE	10/11/2013
T13142	375563	6956125	616	moderate	moist	gentle	E	10/11/2013
T13143	375548	6956109	617	sparse	moist	gentle	E	10/11/2013
T13144	375538	6956095	618	dense	moist	gentle	E	10/11/2013
T13145	375523	6956079	618	moderate	dry	gentle	E	10/11/2013
T13146	375512	6956065	620	moderate	dry	gentle	E	10/11/2013
T13147	375496	6956049	627	moderate	dry	steep	E	10/11/2013
T13148	375482	6956035	632	sparse	dry	steep	E	10/11/2013
T13149	375473	6956019	638	sparse	dry	steep	E	10/11/2013
T13152	375444	6955990	644	sparse	dry	medium	SE	10/11/2013
T13153	375430	6955974	648	sparse	dry	medium	SE	10/11/2013
T13154	375366	6955901	643	sparse	dry	medium	SE	10/11/2013
T13155	375352	6955885	638	moderate	dry	medium	S	10/11/2013
T13156	375339	6955868	637	moderate	dry	medium	S	10/11/2013
T13157	375327	6955853	635	moderate	dry	gentle	SE	10/11/2013
T13158	375315	6955837	632	moderate	dry	gentle	SE	10/11/2013
T13159	375303	6955826	630	moderate	dry	gentle	SE	10/11/2013
T13160	375288	6955808	628	moderate	dry	gentle	SE	10/11/2013
T13161	375274	6955791	628	moderate	dry	gentle	SE	10/11/2013
T13162	375261	6955778	627	moderate	dry	gentle	SE	10/11/2013
T13163	375249	6955761	627	dense	dry	gentle	SE	10/11/2013
T13164	375233	6955747	627	moderate	dry	gentle	SE	10/11/2013
T13165	375222	6955732	628	dense	dry	gentle	SE	10/11/2013
T13166	375207	6955717	627	moderate	dry	gentle	SE	10/11/2013
T13167	375194	6955701	627	dense	dry	gentle	SE	10/11/2013
T13168	375182	6955688	627	dense	dry	gentle	SE	10/11/2013
T13169	375168	6955671	626	dense	dry	gentle	SE	10/11/2013
T13171	375141	6955641	624	moderate	dry	gentle	SE	10/11/2013
T13172	375129	6955628	674	moderate	dry	gentle	SE	10/11/2013
T13173	375115	6955613	684	dense	dry	gentle	S	10/11/2013

T13174	375845	6956752	617	sparse	wet	flat		10/12/2013
T13175	375834	6956735	618	sparse	wet	flat		10/12/2013
T13176	375822	6956722	619	sparse	wet	flat		10/12/2013
T13177	375807	6956706	619	moderate	wet	flat		10/12/2013
T13178	375795	6956691	620	moderate	wet	flat		10/12/2013
T13179	375781	6956674	620	moderate	wet	flat		10/12/2013
T13180	375768	6956660	620	moderate	wet	flat		10/12/2013
T13181	375754	6956646	621	dense	wet	flat		10/12/2013
T13182	375741	6956628	620	dense	wet	flat		10/12/2013
T13183	375729	6956614	622	dense	wet	flat		10/12/2013
T13184	375716	6956600	622	dense	wet	flat		10/12/2013
T13185	375702	6956584	622	dense	wet	flat		10/12/2013
T13186	375690	6956571	624	moderate	moist	gentle	SE	10/12/2013
T13187	375674	6956552	624	moderate	moist	gentle	SE	10/12/2013
T13188	375663	6956539	625	moderate	moist	gentle	SE	10/12/2013
T13189	375650	6956524	623	dense	moist	gentle	SE	10/12/2013
T13191	375638	6956510	676	dense	moist	gentle	SE	10/12/2013
T13192	375622	6956493	679	dense	moist	gentle	SE	10/12/2013
T13193	375609	6956480	678	dense	moist	gentle	E	10/12/2013
T13194	375598	6956463	679	dense	moist	gentle	E	10/12/2013
T13195	375583	6956448	680	moderate	moist	gentle	E	10/12/2013
T13196	375571	6956435	680	dense	moist	gentle	E	10/12/2013
T13197	375559	6956418	680	dense	moist	gentle	E	10/12/2013
T13198	375544	6956405	680	moderate	dry	gentle	ESE	10/12/2013
T13199	375529	6956390	683	moderate	dry	medium	ESE	10/12/2013
T13200	375518	6956373	687	moderate	dry	medium	ESE	10/12/2013
T13201	375504	6956359	691	moderate	dry	gentle	E	10/12/2013
T13202	375490	6956343	693	moderate	dry	gentle	E	10/12/2013
T13203	375479	6956327	693	dense	dry	gentle	E	10/12/2013
T13204	375465	6956313	695	dense	dry	gentle	E	10/12/2013
T13205	375452	6956297	697	moderate	dry	gentle	E	10/12/2013
T13206	375439	6956283	698	dense	dry	gentle	E	10/12/2013
T13207	375426	6956270	703	dense	dry	gentle	E	10/12/2013
T13208	375413	6956253	706	dense	dry	gentle	E	10/12/2013
T13209	375400	6956240	709	moderate	dry	medium	E	10/12/2013
T13211	375385	6956223	714	moderate	dry	medium	E	10/12/2013
T13212	375372	6956207	718	moderate	dry	medium	E	10/12/2013
T13213	375360	6956191	721	sparse	dry	medium	E	10/12/2013
T13214	375321	6956149	731	moderate	dry	gentle	E	10/12/2013
T13215	375307	6956132	734	sparse	dry	gentle	E	10/12/2013
T13216	375282	6956105	740	sparse	dry	gentle	E	10/12/2013
T13217	375269	6956087	742	moderate	dry	gentle	E	10/12/2013
T13218	375242	6956056	747	sparse	dry	gentle	E	10/12/2013
T13219	375229	6956042	749	sparse	dry	gentle	E	10/12/2013
T13220	375203	6956013	747	sparse	dry	gentle	S	10/12/2013
T13221	375111	6955906	718	moderate	dry	gentle	S	10/12/2013
T13222	375098	6955892	714	moderate	dry	gentle	S	10/13/2013
T13223	375841	6957055	681	moderate	moist	gentle	E	10/13/2013
T13224	375828	6957042	681	dense	moist	gentle	E	10/13/2013
T13225	375815	6957026	683	moderate	dry	gentle	E	10/13/2013
T13226	375801	6957009	687	moderate	dry	medium	E	10/13/2013
T13227	375789	6956994	690	moderate	dry	medium	E	10/13/2013
T13228	375774	6956979	693	moderate	dry	medium	E	10/13/2013
T13229	375760	6956965	699	moderate	dry	gentle	E	10/13/2013
T13231	375736	6956934	705	moderate	dry	medium	E	10/13/2013

T13232	375726	6956919	706	moderate	dry	medium	E	10/13/2013
T13233	375708	6956905	713	moderate	dry	medium	E	10/13/2013
T13234	375695	6956890	716	sparse	dry	medium	E	10/13/2013
T13235	375657	6956844	724	sparse	dry	medium	SE	10/13/2013
T13236	375644	6956827	727	sparse	dry	medium	SE	10/13/2013
T13237	375578	6956756	729	moderate	dry	gentle	SE	10/13/2013
T13238	375566	6956738	729	sparse	dry	gentle	SE	10/13/2013
T13239	375551	6956725	730	sparse	dry	gentle	S	10/13/2013
T13240	375539	6956708	729	sparse	dry	gentle	S	10/13/2013
T13241	375525	6956694	727	moderate	dry	gentle	SE	10/13/2013
T13242	375513	6956679	729	moderate	dry	gentle	SE	10/13/2013
T13243	375499	6956663	729	moderate	dry	gentle	SE	10/13/2013
T13244	375487	6956648	730	moderate	dry	gentle	SE	10/13/2013
T13245	375474	6956631	731	moderate	dry	gentle	SE	10/13/2013
T13246	375448	6956604	733	moderate	moist	gentle	SE	10/13/2013
T13247	375435	6956589	733	sparse	dry	gentle	SE	10/13/2013
T13248	375422	6956571	731	dense	moist	gentle	SE	10/13/2013
T13249	375408	6956557	734	moderate	moist	gentle	E	10/13/2013
T13251	375393	6956543	737	sparse	dry	gentle	E	10/13/2013
T13252	375380	6956527	742	sparse	dry	gentle	E	10/13/2013
T13253	375369	6956511	744	moderate	dry	gentle	E	10/13/2013
T13254	375353	6956500	747	moderate	dry	gentle	E	10/13/2013
T13255	375342	6956484	748	dense	moist	gentle	E	10/13/2013
T13256	375330	6956467	751	dense	moist	gentle	E	10/13/2013
T13257	375317	6956452	755	dense	moist	gentle	E	10/13/2013
T13258	375303	6956437	759	moderate	dry	gentle	E	10/13/2013
T13259	375289	6956423	764	moderate	dry	gentle	E	10/13/2013
T13260	375277	6956406	766	moderate	dry	gentle	E	10/13/2013
T13261	375263	6956392	770	moderate	dry	gentle	E	10/13/2013
T13262	375250	6956378	774	moderate	dry	gentle	E	10/13/2013
T13263	375237	6956360	776	moderate	dry	gentle	E	10/13/2013
T13264	375225	6956345	779	moderate	dry	gentle	E	10/13/2013
T13265	375212	6956332	783	moderate	dry	gentle	E	10/13/2013
T13266	375196	6956315	787	moderate	dry	gentle	E	10/13/2013
T13267	375173	6956286	791	sparse	dry	gentle	E	10/13/2013
T13268	375158	6956271	792	sparse	dry	gentle	E	10/13/2013
T13269	375145	6956257	793	sparse	dry	gentle	E	10/13/2013
T13271	375134	6956241	796	moderate	dry	flat		10/13/2013
T13272	375118	6956226	797	moderate	dry	flat		10/13/2013
T13273	375106	6956210	796	moderate	dry	flat		10/13/2013
T13274	375092	6956197	799	moderate	dry	flat		10/13/2013
T13275	375078	6956179	800	moderate	dry	flat		10/13/2013
T13276	375054	6956150	803	moderate	dry	flat		10/13/2013
T13277	375027	6956123	802	moderate	dry	flat		10/13/2013
T13278	375011	6956104	801	moderate	dry	flat		10/13/2013
T13279	374987	6956076	794	sparse	dry	gentle	S	10/13/2013
T13280	374974	6956059	791	sparse	dry	gentle	S	10/13/2013
T13281	374960	6956045	789	sparse	dry	gentle	SSE	10/13/2013
T13282	374947	6956030	789	sparse	dry	gentle	SSE	10/13/2013
T13283	374937	6956015	787	sparse	dry	gentle	SSE	10/13/2013
T13284	374923	6956000	786	sparse	dry	gentle	SSE	10/13/2013
T13285	374907	6955986	786	sparse	dry	gentle	SSE	10/13/2013
T13286	374882	6955956	783	sparse	dry	medium	SSE	10/13/2013
T13287	374831	6955894	775	moderate	dry	medium	SSE	10/13/2013
T13288	374816	6955880	773	moderate	moist	gentle	S	10/13/2013

T13289	376053	6955456	678	moderate	dry	gentle	W	10/14/2013
T13291	376029	6955424	675	moderate	dry	gentle	W	10/14/2013
T13292	376017	6955409	675	moderate	dry	gentle	W	10/14/2013
T13293	376002	6955394	673	dense	dry	gentle	W	10/14/2013
T13294	375989	6955378	671	dense	dry	gentle	W	10/14/2013
T13295	375976	6955363	671	dense	dry	gentle	W	10/14/2013
T13296	375964	6955350	669	dense	dry	gentle	W	10/14/2013
T13297	375949	6955334	668	dense	dry	gentle	W	10/14/2013
T13298	375937	6955320	668	moderate	dry	gentle	W	10/14/2013
T13299	375922	6955306	667	dense	dry	gentle	W	10/14/2013
T13300	375908	6955289	667	moderate	dry	gentle	W	10/14/2013
T13301	375896	6955273	667	moderate	dry	gentle	W	10/14/2013
T13302	375883	6955258	668	moderate	dry	gentle	W	10/14/2013
T13303	375871	6955243	668	moderate	moist	flat		10/14/2013
T13304	375860	6955231	668	dense	moist	flat		10/14/2013
T13305	375842	6955212	668	moderate	moist	flat		10/14/2013
T13306	375829	6955200	669	moderate	moist	flat		10/14/2013
T13307	375803	6955170	669	moderate	moist	flat		10/14/2013
T13308	375794	6955150	671	dense	moist	flat		10/14/2013
T13309	375779	6955139	673	moderate	moist	flat		10/14/2013
T13310	375767	6955123	674	moderate	dry	gentle	NW	10/14/2013
T13311	375754	6955112	674	moderate	dry	gentle	NW	10/14/2013
T13313	375738	6955096	675	moderate	dry	gentle	W	10/14/2013
T13314	375726	6955078	676	moderate	dry	gentle	NE	10/14/2013
T13315	375714	6955063	677	moderate	dry	flat		10/14/2013
T13316	375699	6955050	679	moderate	dry	flat		10/14/2013
T13317	375672	6955020	678	moderate	dry	flat		10/14/2013
T13318	375647	6954988	677	moderate	dry	flat		10/14/2013
T13319	375569	6954898	675	moderate	dry	flat		10/14/2013
T13320	375553	6954883	675	sparse	dry	flat		10/14/2013
T13321	375190	6954768	640	dense	wet	flat		10/14/2013
T13322	375176	6954755	642	moderate	moist	gentle	E	10/14/2013
T13323	375151	6954722	645	moderate	moist	gentle	E	10/14/2013
T13324	375138	6954712	647	moderate	moist	gentle	E	10/14/2013
T13325	375123	6954695	648	moderate	moist	gentle	E	10/14/2013
T13326	375203	6954784	642	dense	wet	flat		10/14/2013
T13327	375217	6954800	642	sparse	wet	flat		10/14/2013
T13328	375254	6954843	641	sparse	wet	flat		10/14/2013
T13329	375269	6954860	641	moderate	wet	flat		10/14/2013
T13331	375481	6955100	659	moderate	dry	gentle	NW	10/14/2013
T13332	375493	6955116	660	moderate	dry	gentle	NW	10/14/2013
T13333	375503	6955130	659	moderate	dry	gentle	NW	10/14/2013
T13334	375520	6955147	660	moderate	dry	gentle	NW	10/14/2013
T13335	375531	6955161	660	dense	dry	gentle	NW	10/14/2013
T13336	375547	6955176	660	dense	dry	gentle	NW	10/14/2013
T13337	375558	6955191	660	dense	dry	flat		10/14/2013
T13338	375573	6955209	659	dense	dry	flat		10/14/2013
T13339	375400	6955323	600	sparse	wet	flat		10/15/2013
T13340	375359	6955277	599	sparse	wet	flat		10/15/2013
T13341	375306	6955217	597	sparse	wet	flat		10/15/2013
T13342	375280	6955188	597	sparse	wet	flat		10/15/2013
T13343	375267	6955171	598	sparse	wet	flat		10/15/2013
T13344	375256	6955156	597	moderate	moist	flat		10/15/2013
T13345	375242	6955142	596	moderate	moist	flat		10/15/2013
T13346	375228	6955127	597	moderate	moist	flat		10/15/2013

T13347	375215	6955112	597	moderate	moist	flat		10/15/2013
T13348	375187	6955081	596	sparse	wet	flat		10/15/2013
T13349	375164	6955051	596	sparse	wet	flat		10/15/2013
T13351	374995	6955158	605	moderate	wet	flat		10/15/2013
T13352	374968	6955127	605	dense	moist	flat		10/15/2013
T13353	375007	6955170	606	moderate	wet	flat		10/15/2013
T13354	375021	6955185	605	dense	wet	flat		10/15/2013
T13355	375033	6955200	605	moderate	wet	flat		10/15/2013
T13356	375047	6955215	605	moderate	moist	flat		10/15/2013
T13357	375060	6955231	605	moderate	moist	gentle	S	10/15/2013
T13358	375073	6955248	607	moderate	moist	gentle	S	10/15/2013
T13359	375089	6955264	608	sparse	moist	gentle	S	10/15/2013
T13360	375114	6955294	608	sparse	dry	flat		10/15/2013
T13361	375126	6955306	608	sparse	dry	flat		10/15/2013
T13362	375138	6955322	609	sparse	dry	flat		10/15/2013
T13363	375152	6955336	610	moderate	dry	flat		10/15/2013
T13364	375165	6955354	612	moderate	dry	flat		10/15/2013
T13365	375181	6955369	612	moderate	dry	flat		10/15/2013
T13366	375193	6955383	612	moderate	dry	flat		10/15/2013
T13367	375205	6955401	611	moderate	dry	flat		10/15/2013
T13368	375218	6955413		moderate	dry	flat		10/15/2013
T13369	375102	6955595	668	moderate	dry	gentle	SE	10/15/2013
T13371	375093	6955582	668	moderate	dry	gentle	SE	10/15/2013
T13372	375078	6955563	668	moderate	dry	gentle	SE	10/15/2013
T13373	375064	6955550	668	moderate	dry	gentle	SE	10/15/2013
T13374	375051	6955535	668	dense	dry	gentle	SE	10/15/2013
T13375	375040	6955521	667	moderate	dry	gentle	SE	10/15/2013
T13376	375025	6955506	667	sparse	dry	gentle	SE	10/15/2013
T13377	375010	6955490	665	sparse	dry	gentle	SE	10/15/2013
T13378	374998	6955478	666	moderate	dry	gentle	SE	10/15/2013
T13379	374986	6955463	667	sparse	dry	gentle	SE	10/15/2013
T13380	374971	6955445	665	sparse	dry	gentle	SE	10/15/2013
T13381	374945	6955416	665	sparse	dry	gentle	SE	10/15/2013
T13382	374921	6955384	664	sparse	dry	gentle	SE	10/15/2013
T13383	374908	6955371	662	dense	wet	flat		10/15/2013
T13384	374896	6955356	663	dense	wet	flat		10/15/2013
T13385	374882	6955341	664	dense	wet	flat		10/15/2013
T13386	374867	6955324	664	dense	wet	flat		10/15/2013
T13387	374854	6955308	664	dense	wet	flat		10/15/2013
T13388	374841	6955293	664	dense	wet	flat		10/15/2013
T13389	374828	6955280	665	dense	wet	flat		10/15/2013
T13391	374815	6955263	666	dense	wet	flat		10/15/2013
T13392	374804	6955250	667	moderate	moist	gentle	E	10/15/2013
T13393	374789	6955235	668	moderate	moist	gentle	E	10/15/2013
T13394	374689	6955423	677	dense	wet	gentle	SE	10/16/2013
T13395	374704	6955437	677	moderate	wet	gentle	SE	10/16/2013
T13396	374717	6955454	676	moderate	wet	gentle	SE	10/16/2013
T13397	374731	6955471	677	moderate	wet	gentle	SE	10/16/2013
T13398	374741	6955484	677	moderate	moist	gentle	SE	10/16/2013
T13399	374756	6955499	678	moderate	moist	gentle	SE	10/16/2013
T13400	374771	6955514	677	moderate	moist	gentle	SE	10/16/2013
T13401	374781	6955528	678	moderate	moist	gentle	SE	10/16/2013
T13402	374794	6955543	678	moderate	moist	gentle	SE	10/16/2013
T13403	374808	6955557	678	moderate	dry	gentle	SE	10/16/2013
T13404	374821	6955573	679	moderate	dry	gentle	S	10/16/2013

T13405	374834	6955588	680	moderate	dry	gentle	S	10/16/2013
T13406	374848	6955604	681	moderate	dry	gentle	S	10/16/2013
T13407	374861	6955618	683	moderate	dry	gentle	S	10/16/2013
T13408	374876	6955633	682	moderate	dry	gentle	S	10/16/2013
T13409	374886	6955649	683	moderate	dry	gentle	S	10/16/2013
T13411	374901	6955663	684	moderate	dry	gentle	S	10/16/2013
T13412	374913	6955679	686	moderate	dry	gentle	S	10/16/2013
T13413	374926	6955694	685	moderate	dry	gentle	S	10/16/2013
T13414	374940	6955707	686	moderate	dry	gentle	S	10/16/2013
T13415	374953	6955724	687	moderate	dry	gentle	S	10/16/2013
T13416	374965	6955739	687	moderate	dry	gentle	S	10/16/2013
T13417	374981	6955756	689	moderate	dry	gentle	S	10/16/2013
T13418	375007	6955786	691	moderate	dry	gentle	S	10/16/2013
T13419	375019	6955798	692	dense	dry	gentle	S	10/16/2013
T13420	375032	6955817	695	dense	dry	gentle	S	10/16/2013
T13421	375044	6955831	695	dense	dry	gentle	S	10/16/2013
T13422	375062	6955844	695	dense	dry	gentle	S	10/16/2013
T13423	375071	6955858	695	dense	dry	gentle	S	10/16/2013
T13424	375083	6955874	697	moderate	dry	gentle	S	10/16/2013
T13425	374803	6955863	704	dense	dry	gentle	S	10/16/2013
T13426	374794	6955848	703	dense	dry	gentle	S	10/16/2013
T13427	374778	6955831	701	moderate	dry	gentle	S	10/16/2013
T13428	374765	6955819	699	moderate	dry	gentle	S	10/16/2013
T13430	374751	6955804	698	moderate	dry	gentle	S	10/16/2013
T13431	374741	6955788	697	moderate	dry	gentle	S	10/16/2013
T13432	374724	6955774	695	moderate	dry	gentle	S	10/16/2013
T13433	374713	6955761	695	moderate	dry	gentle	S	10/16/2013
T13434	374701	6955744	694	moderate	dry	gentle	S	10/16/2013
T13435	374687	6955729	694	moderate	dry	gentle	S	10/16/2013
T13436	374672	6955713	694	moderate	dry	gentle	S	10/16/2013
T13437	374660	6955699	693	moderate	moist	gentle	S	10/16/2013
T13438	374649	6955683	693	moderate	wet	gentle	S	10/16/2013
T13439	374631	6955668	693	moderate	wet	gentle	S	10/16/2013
T13440	374620	6955653	693	dense	wet	flat		10/16/2013
T13441	374608	6955639	692	dense	wet	flat		10/16/2013
T13442	374595	6955625	693	dense	wet	flat		10/16/2013
T13443	374582	6955610	692	dense	wet	flat		10/16/2013

Sample	Date	Duplicate
T13020	10/5/2013	Duplicate of T13019
T13051	10/5/2013	Duplicate of T13050
T13069	10/10/2013	Duplicate of T13068
T13091	10/10/2013	Duplicate of T13090
T13110	10/10/2013	Duplicate of T13109
T13130	10/11/2013	Duplicate of T13129
T13150	10/11/2013	Duplicate of T13149
T13170	10/11/2013	Duplicate of T13169
T13190	10/12/2013	Duplicate of T13189
T13210	10/12/2013	Duplicate of T13209
T13230	10/13/2013	Duplicate of T13229
T13250	10/13/2013	Duplicate of T13249
T13270	10/13/2013	Duplicate of T13269
T13290	10/14/2013	Duplicate of T13289
T13312	10/14/2013	Duplicate of T13311
T13330	10/14/2013	Duplicate of T13329
T13350	10/15/2013	Duplicate of T13349
T13370	10/15/2013	Duplicate of T13369
T13390	10/15/2013	Duplicate of T13389
T13410	10/16/2013	Duplicate of T13409
T13429	10/16/2013	Duplicate of T13428

Field Stn	UTM_E_NAD8	UTM_N_NAD8	ELEV_m	In Phase	Quadrature	Slope	Slope Dir	Date	Fraser Filtd	K-H Filtd
T13443	374582	6955610	692	7	6	1	180	10/16/13		
T13442	374595	6955625	693	4	5	1	180	10/16/13	1	
T13441	374608	6955639	692	6	5	1	180	10/16/13	2	
T13440	374620	6955653	693	7	6	1	180	10/16/13	-1	0
T13439	374631	6955668	693	6	6	1	160	10/16/13	-1	-1
T13438	374649	6955683	693	5	6	1	160	10/16/13	-2	-1
T13437	374660	6955699	693	6	7	1	160	10/16/13	-7	-2
T13436	374672	6955713	694	2	5	1	160	10/16/13	-9	-7
T13435	374687	6955729	694	-5	3	1	160	10/16/13	-4	-4
T13434	374701	6955744	694	-4	5	2	160	10/16/13	-1	-1
T13433	374713	6955761	695	-6	2	2	160	10/16/13	1	-1
T13432	374724	6955774	695	-5	0	3	160	10/16/13	5	2
T13431	374741	6955788	697	-3	-2	5	160	10/16/13	6	4
T13430	374751	6955804	698	1	-4	5	180	10/16/13	4	3
T13428	374765	6955819	699	2	-6	4	180	10/16/13	3	2
T13427	374778	6955831	701	3	-5	5	180	10/16/13	6	2
T13426	374794	6955848	703	5	-4	5	180	10/16/13	5	5
T13425	374803	6955863	704	11	-3	5	160	10/16/13	-2	0
T13288	374816	6955880	773	6	0	3	190	10/13/13	-6	-3
T13287	374831	6955894	775	6	1	5	160	10/13/13	-7	-4
39	374844	6955910	777	-1	0	5	160	10/13/13	-3	-4
38	374856	6955925	779	0	2	9	160	10/13/13	-1	-1
37	374871	6955940	780	-1	-1	12	160	10/13/13	-3	-2
T13286	374882	6955956	783	-2	1	15	160	10/13/13	-4	-2
36	374896	6955971	784	-4	1	10	170	10/13/13	-4	-3
T13285	374907	6955986	786	-7	2	12	170	10/13/13	-2	-2
T13284	374923	6956000	786	-7	0	6	160	10/13/13	-1	-1
T13283	374937	6956015	787	-8	-1	8	160	10/13/13	0	-1
T13282	374947	6956030	789	-8	-1	7	160	10/13/13	-2	1
T13281	374960	6956045	789	-7	-1	9	160	10/13/13	-5	-2
T13280	374974	6956059	791	-13	-3	7	190	10/13/13	3	-2
T13279	374987	6956076	794	-11	-4	9	220	10/13/13	8	5
35	374999	6956091	797	-4	2	1	190	10/13/13	4	3
T13278	375011	6956104	801	-4	2	1	210	10/13/13	-3	0
T13277	375027	6956123	802	-4	6	1	210	10/13/13	-5	-3
T13276	375054	6956150	803	-9	5	0	0	10/13/13	-4	-4
34	375066	6956164	801	-9	6	0	0	10/13/13	-8	-2
T13275	375078	6956179	800	-12	6	0	0	10/13/13	-10	-6
T13274	375092	6956197	799	-22	3	0	0	10/13/13	10	-3
T13273	375106	6956210	796	-19	5	0	0	10/13/13	26	15
T13272	375118	6956226	797	4	10	1	70	10/13/13	12	14
T13271	375134	6956241	796	6	9	2	90	10/13/13	-3	0
T13269	375145	6956257	793	2	0	12	90	10/13/13	0	1
T13268	375158	6956271	792	2	3	4	90	10/13/13	7	3
T13267	375173	6956286	791	6	4	5	80	10/13/13	8	5
33	375186	6956300	789	11	1	5	90	10/13/13	6	5
T13266	375196	6956315	787	13	1	5	90	10/13/13	5	3
T13265	375212	6956332	783	15	1	8	90	10/13/13	1	4
T13264	375225	6956345	779	18	4	7	80	10/13/13	-2	-2
T13263	375237	6956360	776	12	4	7	80	10/13/13	-1	-1
T13262	375250	6956378	774	17	2	7	70	10/13/13	-4	-1
T13261	375263	6956392	770	11	2	7	70	10/13/13	-4	-4
T13260	375277	6956406	766	11	2	7	80	10/13/13	-3	0
T13259	375289	6956423	764	10	2	7	80	10/13/13	-3	-2
T13258	375303	6956437	759	7	4	12	80	10/13/13	5	0
T13257	375317	6956452	755	9	1	5	70	10/13/13	12	6
T13256	375330	6956467	751	17	-1	5	70	10/13/13	12	8
T13255	375342	6956484	748	23	-2	5	90	10/13/13	5	6

T13254	375353	6956500	747	27	1	5	80	10/13/13	-4	1
T13253	375369	6956511	744	23	3	9	100	10/13/13	-6	-4
T13252	375380	6956527	742	20	-1	15	90	10/13/13	-7	-5
T13251	375393	6956543	737	18	-1	7	80	10/13/13	-16	-6
T13249	375408	6956557	734	12	12	5	80	10/13/13	-18	-15
T13248	375422	6956571	731	-6	4	5	140	10/13/13	-5	-8
T13247	375435	6956589	733	0	0	5	150	10/13/13	1	0
T13246	375448	6956604	733	-4	1	5	150	10/13/13	2	-2
31	375463	6956618	731	-1	4	5	150	10/13/13	3	3
T13245	375474	6956631	731	1	6	5	150	10/13/13	-1	0
T13244	375487	6956648	730	-1	3	5	140	10/13/13	-1	-1
T13243	375499	6956663	729	0	4	4	140	10/13/13	-3	-1
T13242	375513	6956679	729	-2	3	4	140	10/13/13	-4	-4
T13241	375525	6956694	727	-5	3	4	140	10/13/13	-4	-2
T13240	375539	6956708	729	-5	2	4	170	10/13/13	-3	-2
T13239	375551	6956725	730	-9	0	5	160	10/13/13	5	0
T3238	375566	6956738	729	-6	1	5	150	10/13/13	11	7
T13237	375578	6956756	729	2	1	7	150	10/13/13	8	7
30	375591	6956771	731	5	1	10	150	10/13/13	4	4
29	375602	6956785	731	6	2	19	130	10/13/13	5	3
28	375619	6956799	730	8	3	25	120	10/13/13	6	4
27	375631	6956815	732	12	4	24	130	10/13/13	4	3
T13236	375644	6956827	727	13	3	22	130	10/13/13	2	1
T13235	375657	6956844	724	14	4	20	130	10/13/13	-1	2
26	375671	6956859	721	15	6	22	110	10/13/13	-4	-2
25	375682	6956875	720	10	3	22	100	10/13/13	-2	-2
T13234	375695	6956890	716	12	4	14	90	10/13/13	-1	0
T13233	375708	6956905	713	10	2	17	90	10/13/13	-2	-2
T13232	375726	6956919	706	10	3	14	90	10/13/13	-1	0
T13231	375736	6956934	705	9	3	17	90	10/13/13	1	-1
24	375748	6956950	702	9	-3	13	100	10/13/13	2	1
T13229	375760	6956965	699	11	11	7	90	10/13/13	0	1
T13228	375774	6956979	693	11	4	20	90	10/13/13	-2	-2
T13227	375789	6956994	690	9	6	18	100	10/13/13	-4	-2
T13226	375801	6957009	687	9	7	15	110	10/13/13	-7	-3
T13225	375815	6957026	683	4	8	6	90	10/13/13	-5	
T13224	375828	6957042	681	1	3	3	90	10/13/13		
T13223	375841	6957055	681	2	4	1	90	10/13/13		
T13394	374689	6955423	677	0	5	1	120	10/16/13		
T13395	374704	6955437	677	4	4	1	120	10/16/13	9	
T13396	374717	6955454	676	9	-1	1	120	10/16/13	7	
T13397	374731	6955471	677	13	3	1	130	10/16/13	1	2
T13398	374741	6955484	677	13	3	1	130	10/16/13	-6	-2
T13399	374756	6955499	678	10	4	1	130	10/16/13	-10	-6
T13400	374771	6955514	677	4	3	1	130	10/16/13	-10	-7
T13401	374781	6955528	678	-1	2	1	130	10/16/13	-8	-6
T13402	374794	6955543	678	-5	5	2	140	10/16/13	-4	-5
T13403	374808	6955557	678	-8	4	2	150	10/16/13	3	0
T13404	374821	6955573	679	-5	6	2	160	10/16/13	6	2
T13405	374834	6955588	680	-3	6	2	160	10/16/13	3	3
T13406	374848	6955604	681	1	10	2	170	10/16/13	-5	0
T13407	374861	6955618	683	-3	10	2	180	10/16/13	-9	-5
T13408	374876	6955633	682	-8	12	2	180	10/16/13	-5	-5
T13409	374886	6955649	683	-12	11	2	180	10/16/13	3	-1
T13411	374901	6955663	684	-9	11	1	180	10/16/13	7	4
T13412	374913	6955679	686	-5	12	1	180	10/16/13	6	4
T13413	374926	6955694	685	-2	7	1	180	10/16/13	2	4
T13414	374940	6955707	686	0	4	1	180	10/16/13	-1	0
T13415	374953	6955724	687	-3	3	1	180	10/16/13	2	0

T13416	374965	6955739	687	-1	-1	1	180	10/16/13	4	3
T13417	374981	6955756	689	2	0	1	180	10/16/13	2	1
97	374995	6955772	690	1	0	1	180	10/16/13	2	1
T13418	375007	6955786	691	3	-4	2	180	10/16/13	4	2
T13419	375019	6955798	692	4	-4	2	180	10/16/13	3	3
T13420	375032	6955817	695	7	-4	2	180	10/16/13	2	1
T13421	375044	6955831	695	6	-9	2	180	10/16/13	1	1
T13422	375062	6955844	695	8	-8	2	180	10/16/13	2	1
T13423	375071	6955858	695	7	-8	2	180	10/16/13	2	1
T13424	375083	6955874	697	10	-6	2	180	10/16/13	2	1
T13222	375098	6955892	714	9	-6	3	170	10/13/13	-1	0
T13221	375111	6955906	718	11	-5	6	160	10/12/13	-6	-2
23	375125	6955922	720	6	-14	7	180	10/12/13	-6	-5
22	375138	6955937	726	2	-12	8	180	10/12/13	1	-1
T1111	375152	6955949	729	4	-10	8	180	10/12/13	3	1
T2222	375164	6955967	734	5	-5	14	180	10/12/13	2	1
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T13219	375229	6956042	749	2	-2	5	90	10/12/13	-2	-2
T13218	375242	6956056	747	1	1	5	80	10/12/13	2	0
T6666	375256	6956071	746	2	1	10	80	10/12/13	3	2
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T7777	375295	6956118	738	7	10	7	80	10/12/13	3	3
T13215	375307	6956132	734	9	12	7	90	10/12/13	-3	0
T13214	375321	6956149	731	8	12	6	70	10/12/13	-7	-3
T8888	375335	6956162	728	3	13	7	70	10/12/13	-5	-5
T9999	375347	6956176	725	1	12	9	70	10/12/13	-4	-3
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T13208	375413	6956253	706	10	15	13	90	10/12/13	17	14
T13207	375426	6956270	703	18	11	13	90	10/12/13	3	6
T13206	375439	6956283	698	19	10	9	110	10/12/13	-4	0
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T13178	375795	6956691	620	6	0	0	0	10/12/13	-9	-6
T13177	375807	6956706	619	0	-2	0	0	10/12/13	-4	-5
T13176	375822	6956722	619	-1	0	0	0	10/12/13	-1	
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T13384	374896	6955356	663	0	5	2	140	10/15/13	-11	-6
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21	375156	6955657	627	-34	-4	17	150	10/11/13	-2	-10
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19	375380	6955913	645	10	-1	23	150	10/11/13	-10	-8
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88	375100	6955279	609	0	7	2	190	10/15/13	10	8
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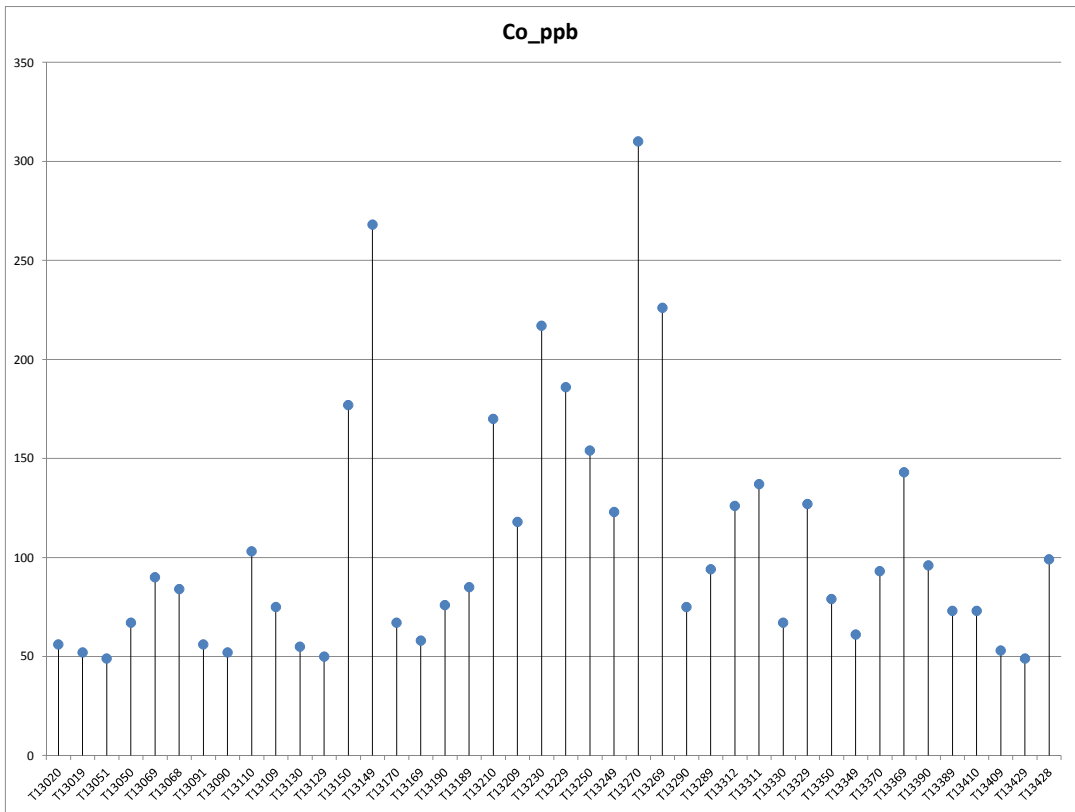
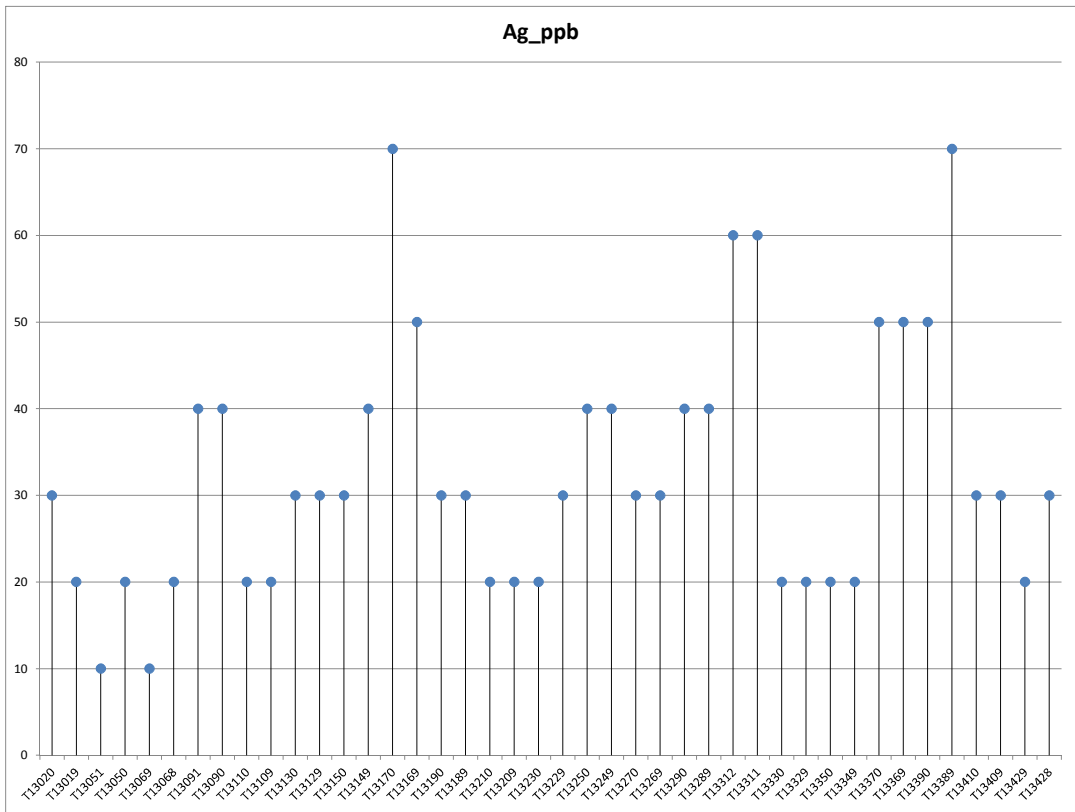
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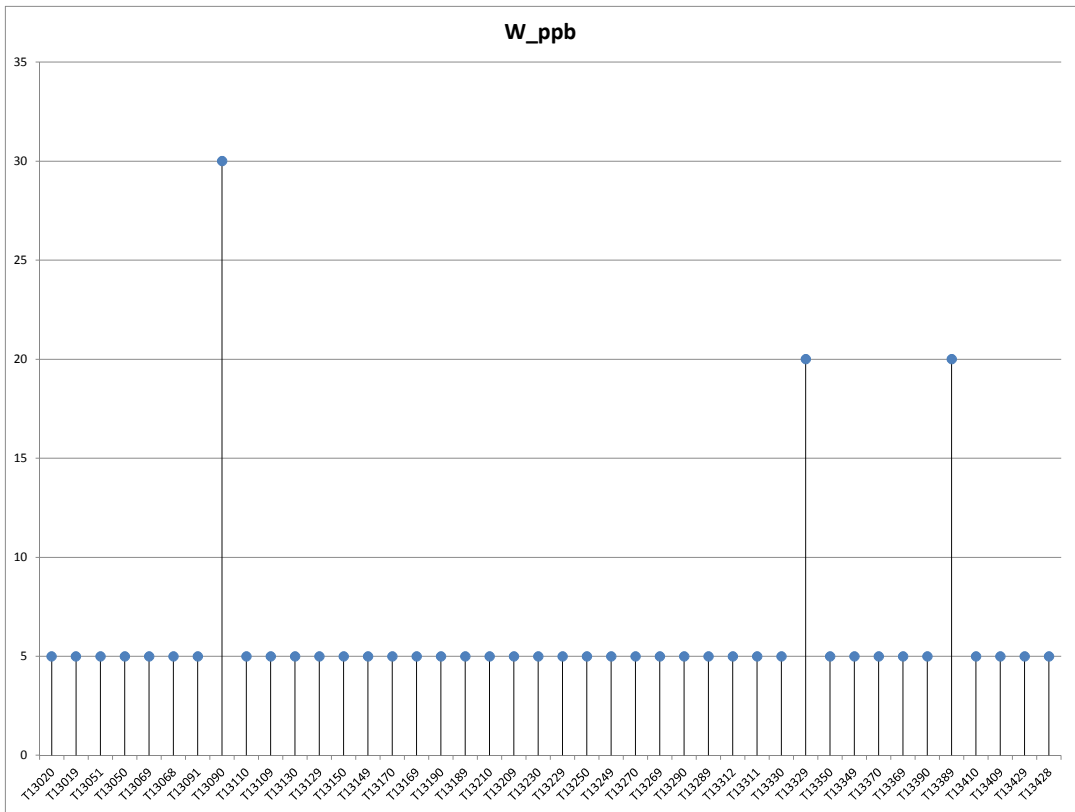
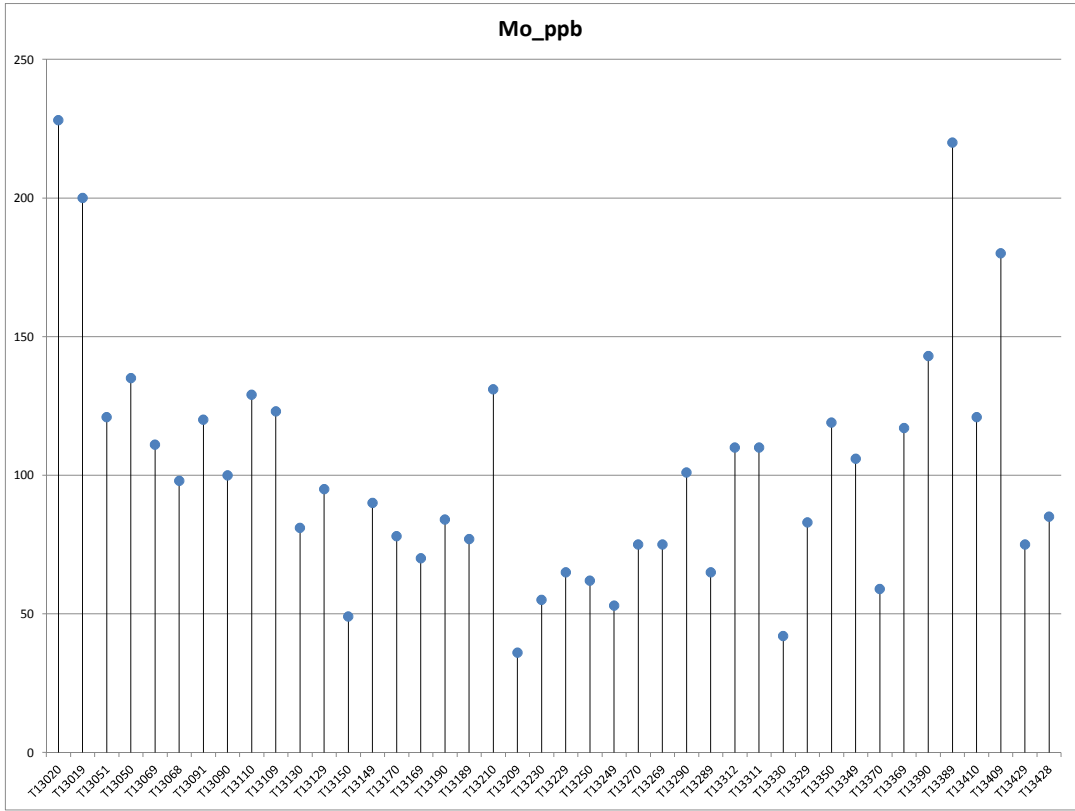
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5	375414	6955336.124	653	0	-1	1	180	10/10/13	1	0
T13071	375428	6955351.866	612	1	-1	1	180	10/10/13	1	1
4	375438	6955368.53	607	2	-3	1	180	10/10/13	-1	0
T13070	375452	6955383.74	608	0	-1	1	180	10/10/13	1	-1
T13068	375464	6955396.436	608	1	-3	1	180	10/10/13	2	2
T13067	375478	6955410.081	609	3	-2	1	180	10/10/13	-1	0
T13066	375491	6955427.653	610	1	0	1	180	10/10/13	-1	-1
T13065	375503	6955441.124	609	1	-1	1	180	10/10/13	-1	0
T13064	375517	6955457.354	611	1	1	1	180	10/10/13	-2	-1
T13063	375531	6955474.547	611	0	4	1	180	10/10/13	-2	-2
T13062	375544	6955488.113	611	-1	4	1	180	10/10/13	-2	-1
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T13060	375569	6955518.137	611	-4	4	1	180	10/10/13	-2	-2
T13059	375584	6955531.631	610	-4	6	1	180	10/10/13	1	0
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T13050	375690	6955653.209	634	-2	-1	0	0	10/5/13	-6	-4
T13049	375702	6955666.456	634	-5	0	0	0	10/5/13	-4	-3
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T13046	375740	6955716.546	633	-4	3	0	0	10/5/13	3	2
T13045	375754	6955725.289	634	-4	4	0	0	10/5/13	2	1
T13044	375769	6955742.322	633	-2	7	0	0	10/5/13	-2	0
T13043	375781	6955759.4	633	-3	5	0	0	10/5/13	-6	-3
T13042	375795	6955770.787	632	-6	2	0	0	10/5/13	-7	
T13041	375807	6955789.069	633	-10	4	0	0	10/5/13		
T13040	375820	6955805.529	632	-12	0	0	0	10/5/13		
T13325	375123	6954695	648	8	4	5	60	10/14/13		
T13324	375138	6954712	647	5	4	3	60	10/14/13	1	
T13323	375151	6954722	645	4	3	3	60	10/14/13	8	
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T13326	375203	6954784	642	1	6	1	140	10/14/13	-13	-9
T13327	375217	6954800	642	-2	8	1	140	10/14/13	-11	-8
61	375230	6954817	643	-10	4	1	140	10/14/13	-10	-9
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T13329	375269	6954860	641	-24	3	1	150	10/14/13	-5	-5
63	375284	6954876	642	-27	1	1	150	10/14/13	1	-1
64	375295	6954893	644	-26	2	2	90	10/14/13	8	3
65	375308	6954906	645	-23	2	1	230	10/14/13	12	7
66	375322	6954921	648	-15	3	3	230	10/14/13	12	9
67	375334	6954934	648	-10	2	3	230	10/14/13	10	7
68	375350	6954950	650	-4	2	3	230	10/14/13	6	6
69	375361	6954962	653	-1	2	3	230	10/14/13	1	2
70	375373	6954979	653	-2	-1	3	230	10/14/13	2	1
71	375388	6954993	655	-2	-1	3	230	10/14/13	5	3
72	375400	6955008	655	2	0	3	230	10/14/13	5	4
73	375413	6955026	657	4	-1	3	230	10/14/13	4	3
74	375424	6955040	657	6	-2	3	230	10/14/13	5	3
75	375438	6955054	659	7	-2	3	230	10/14/13	8	4

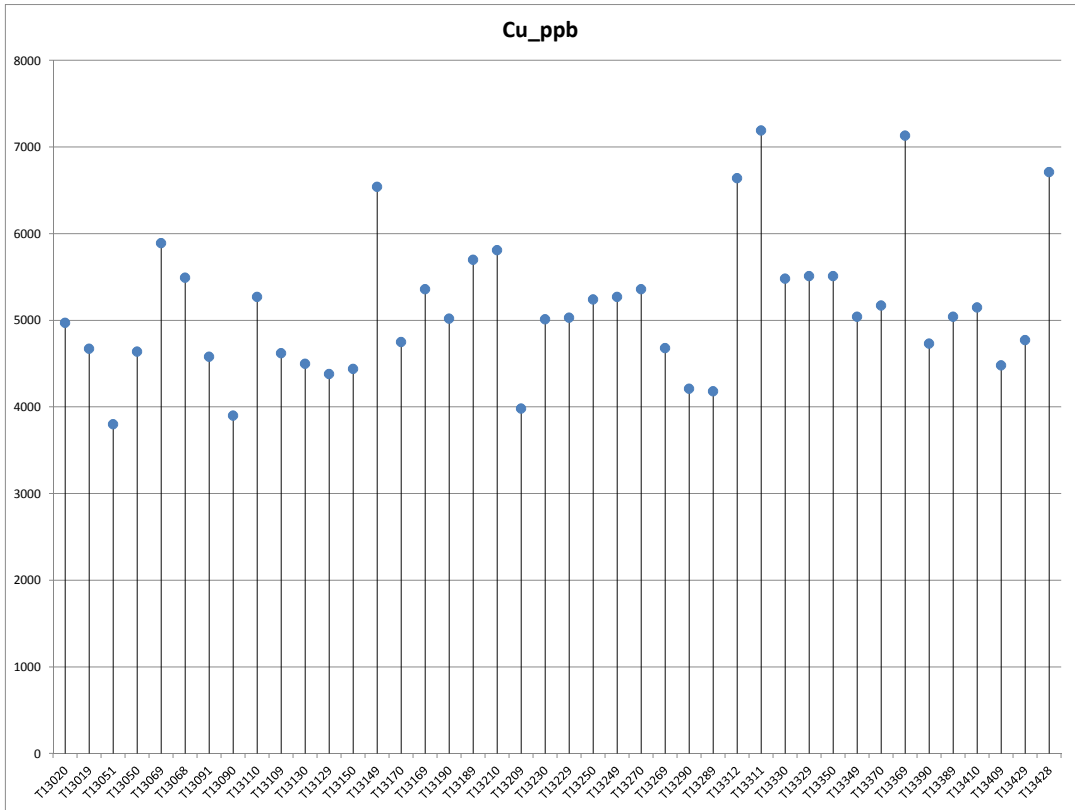
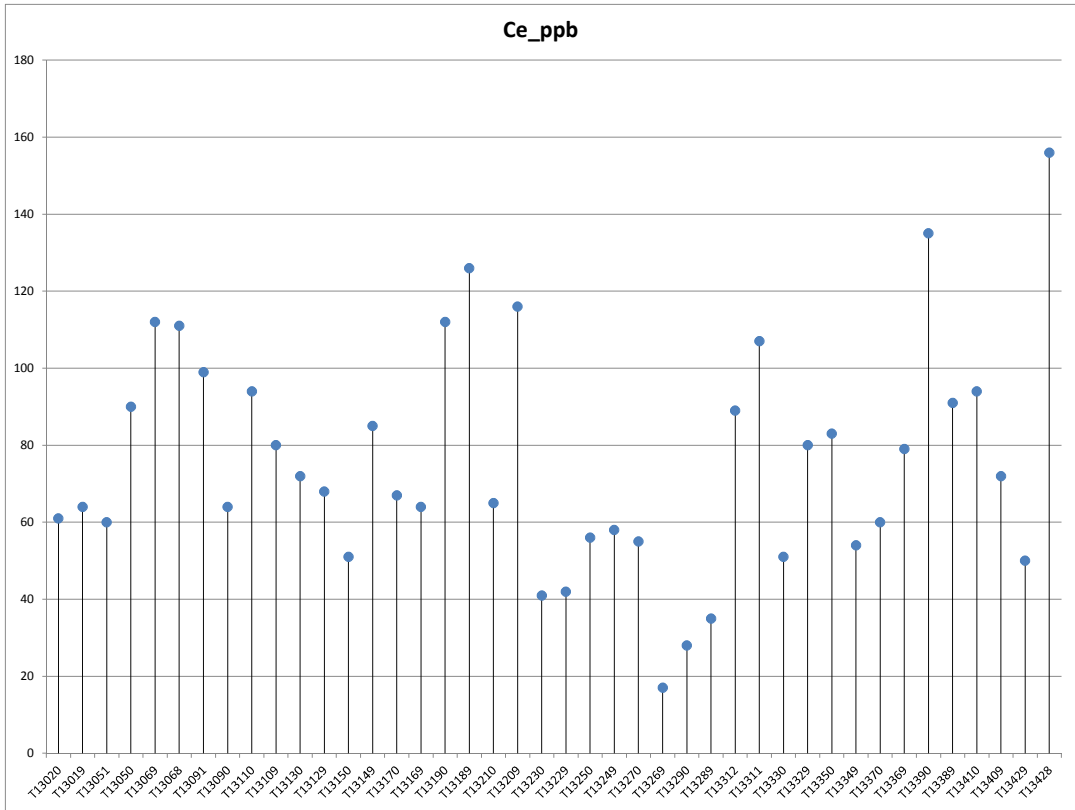
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T13331	375481	6955100	659	6	0	3	320	10/14/13	-5	-4
T13332	375493	6955116	660	7	0	1	320	10/14/13	-4	-2
T13333	375503	6955130	659	4	-1	1	320	10/14/13	-5	-4
T13334	375520	6955147	660	2	-2	1	320	10/14/13	-5	-3
T13335	375531	6955161	660	0	-1	1	320	10/14/13	-5	-3
T13336	375547	6955176	660	-3	-1	1	320	10/14/13	-1	-2
T13337	375558	6955191	660	-4	-1	1	320	10/14/13	3	1
T13338	375573	6955209	659	-1	-2	1	320	10/14/13	3	2
T13001	375587	6955228.556	636	0	0	0	0	10/5/13	1	1
T13002	375600	6955242.212	635	0	0	0	0	10/5/13	1	1
T13003	375613	6955257.096	634	1	1	0	0	10/5/13	-2	0
T13004	375625	6955271.044	633	0	0	0	0	10/5/13	-3	-2
T13005	375641	6955286.51	633	-3	2	0	0	10/5/13	1	-1
T13006	375654	6955303.965	632	-2	0	0	0	10/5/13	5	3
T13007	375665	6955318.153	631	1	0	0	0	10/5/13	6	4
T13008	375678	6955332.063	631	4	-2	0	0	10/5/13	5	3
T13009	375694	6955348.293	631	6	-3	0	0	10/5/13	3	3
T13010	375705	6955363.257	631	9	-2	0	0	10/5/13	-2	0
T13011	375719	6955377.902	631	7	-5	0	0	10/5/13	-7	-3
T13012	375733	6955392.746	631	4	-4	0	0	10/5/13	-8	-5
T13013	375745	6955407.241	630	-1	-4	0	0	10/5/13	-8	-6
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T13015	375772	6955438.473	631	-8	0	0	0	10/5/13	-9	-7
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54	375488	6954809	661	-4	1	12	270	10/14/13	-2	-1
53	375503	6954824	665	-5	-1	9	240	10/14/13	0	0
52	375514	6954840	668	-5	-2	9	270	10/14/13	-1	1
51	375526	6954853	671	-4	-4	8	270	10/14/13	-1	-1
50	375541	6954870	673	-7	-4	5	250	10/14/13	4	1
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49	375582	6954913	674	6	0	0	0	10/14/13	5	6
48	375594	6954930	676	9	1	1	180	10/14/13	-3	0
47	375608	6954944	677	6	-2	0	0	10/14/13	-5	-3
46	375620	6954958	677	4	-1	0	0	10/14/13	-5	-3
45	375634	6954975	677	1	-4	0	0	10/14/13	-3	-3
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T13317	375672	6955020	678	-2	-1	0	0	10/14/13	-3	-2
43	375684	6955034	679	-4	-2	0	0	10/14/13	0	-2
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42	375816	6955184	670	4	2	1	310	10/14/13	5	4
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T13295	375976	6955363	671	5	2	1	260	10/14/13	2	1
T13294	375989	6955378	671	6	2	1	260	10/14/13	3	1
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T13292	376017	6955409	675	9	3	1	260	10/14/13	-2	1
T13291	376029	6955424	675	8	4	2	260	10/14/13	-5	
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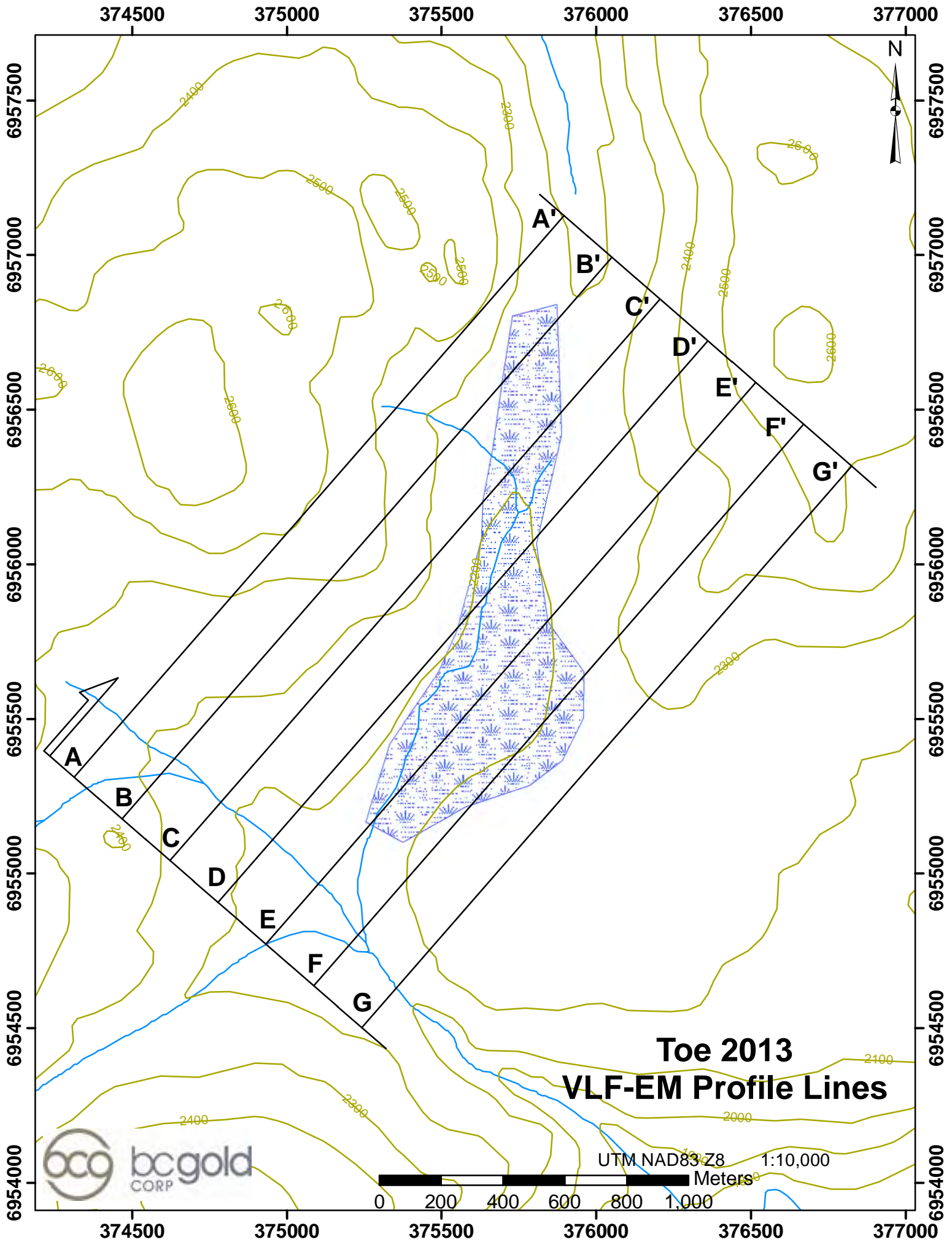
Appendix IV: QA/QC







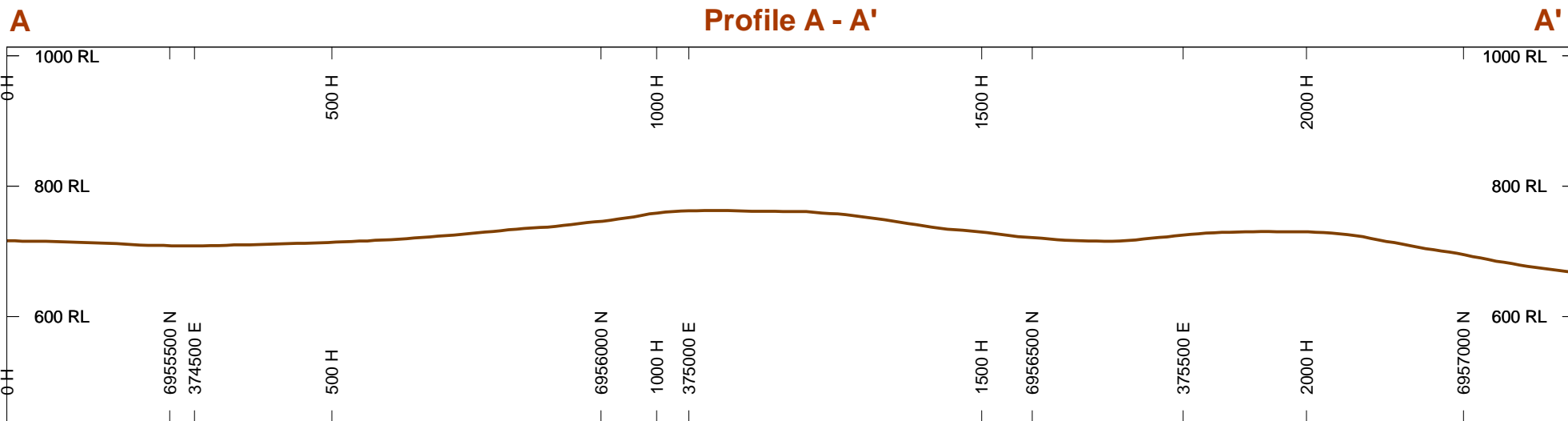
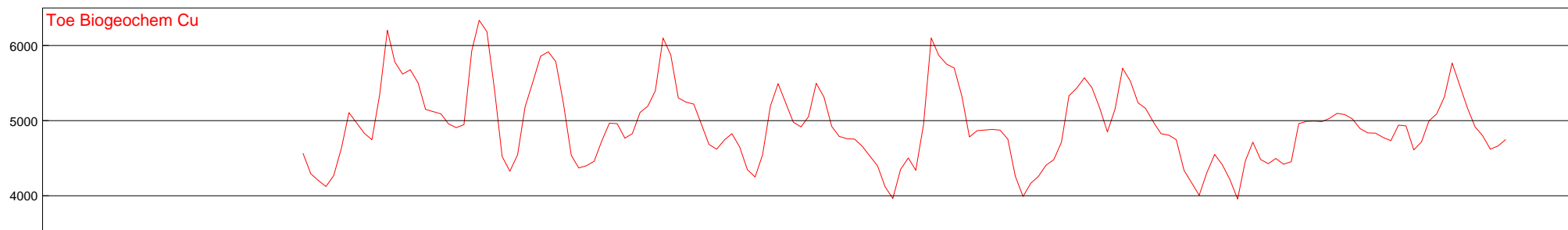
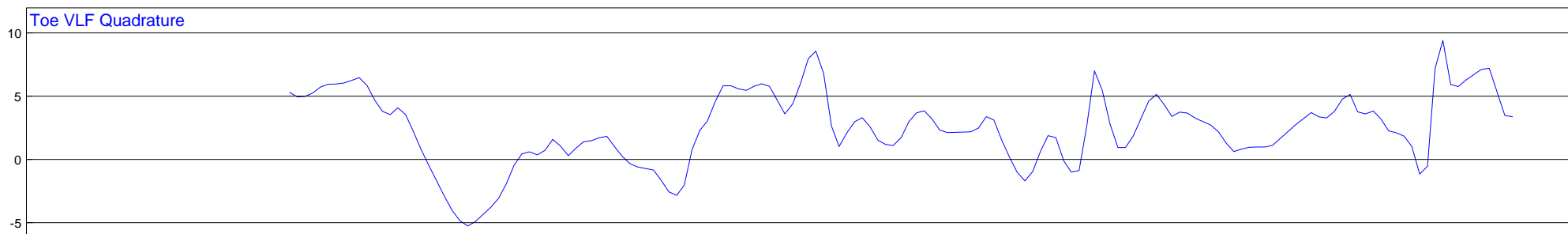
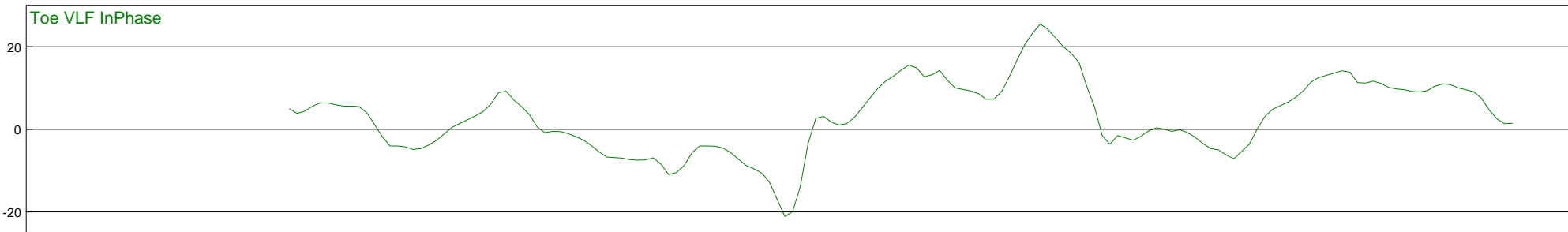
Appendix V: VLF-EM Profiles

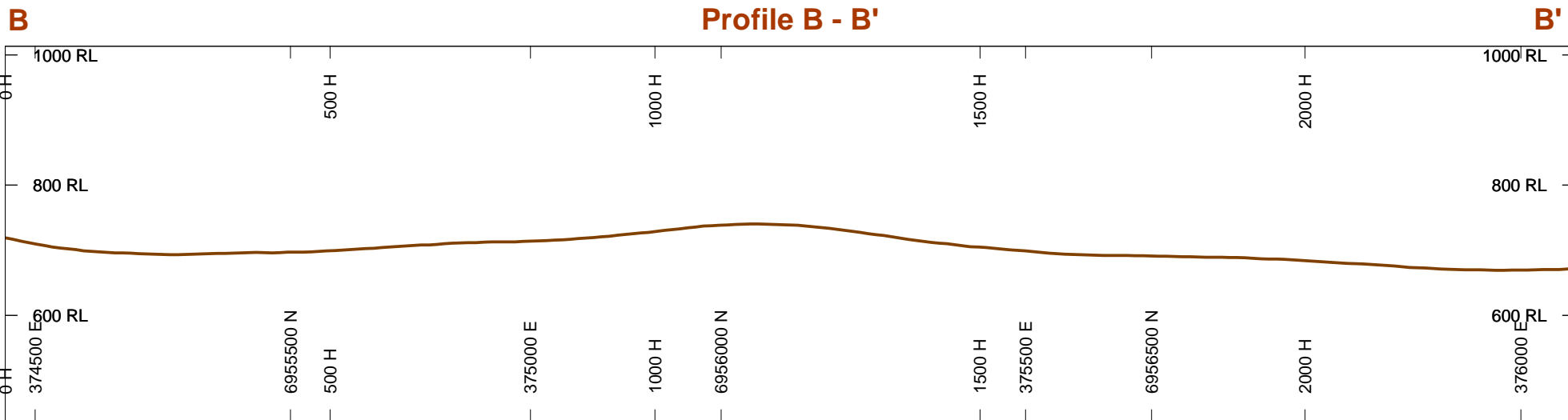
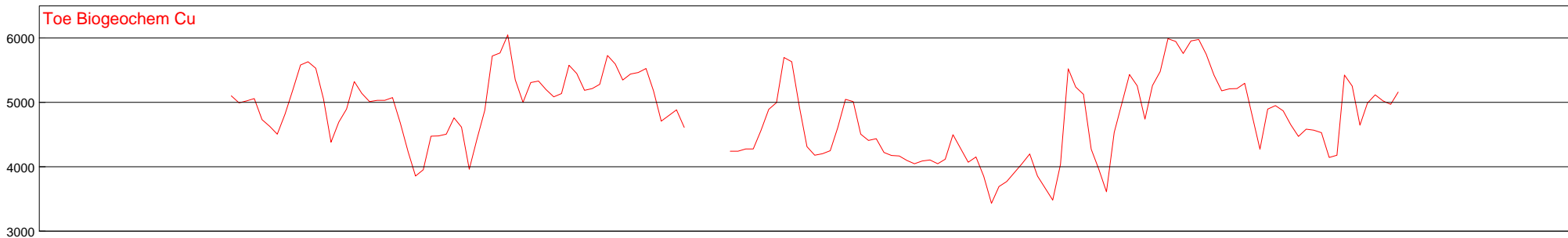
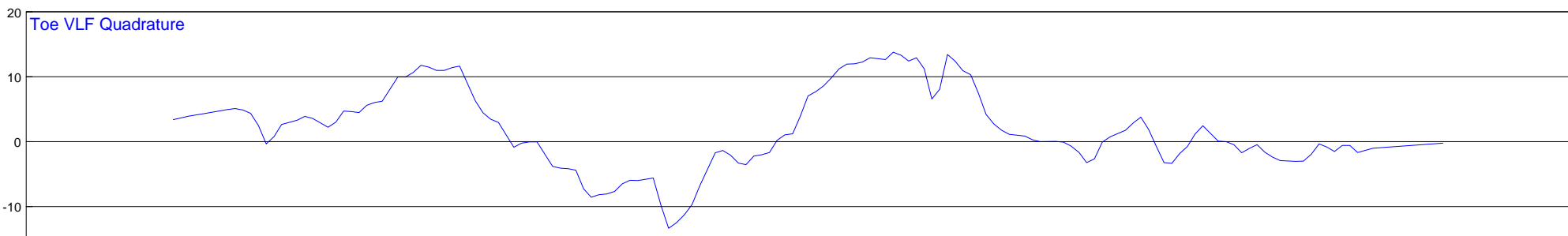
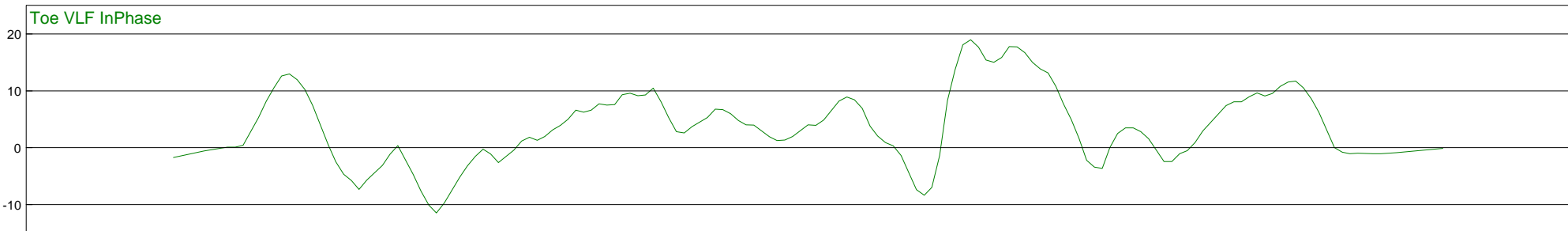


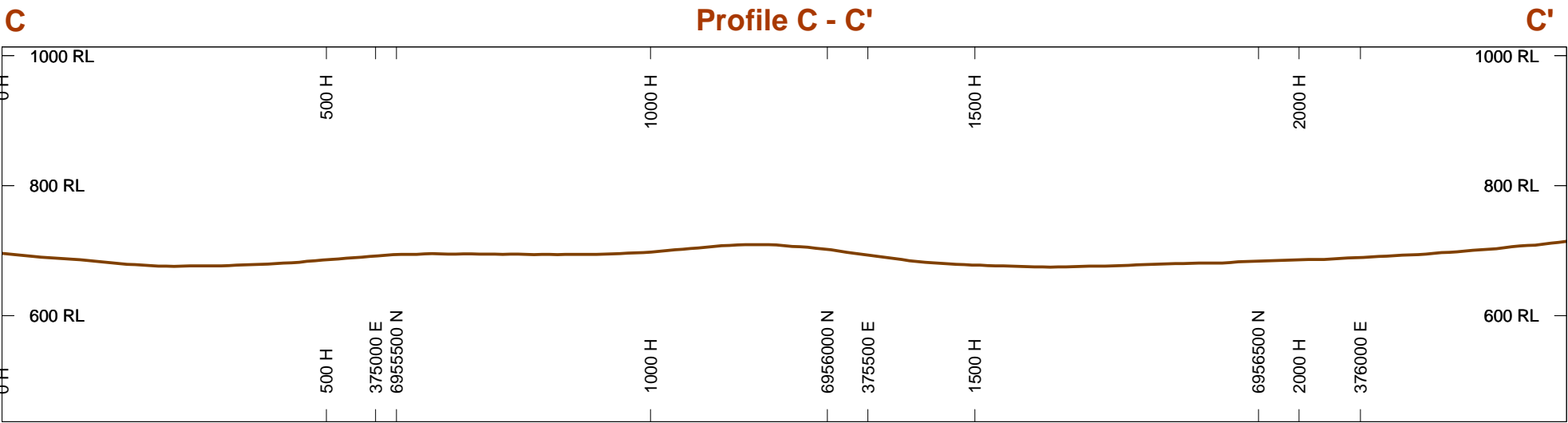
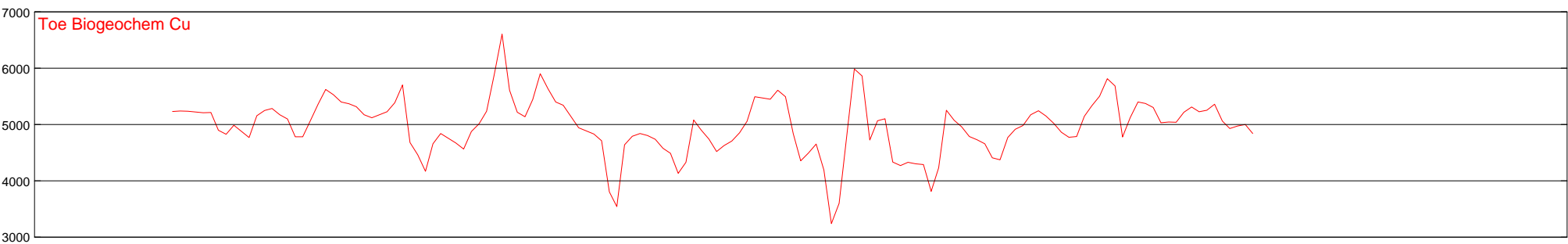
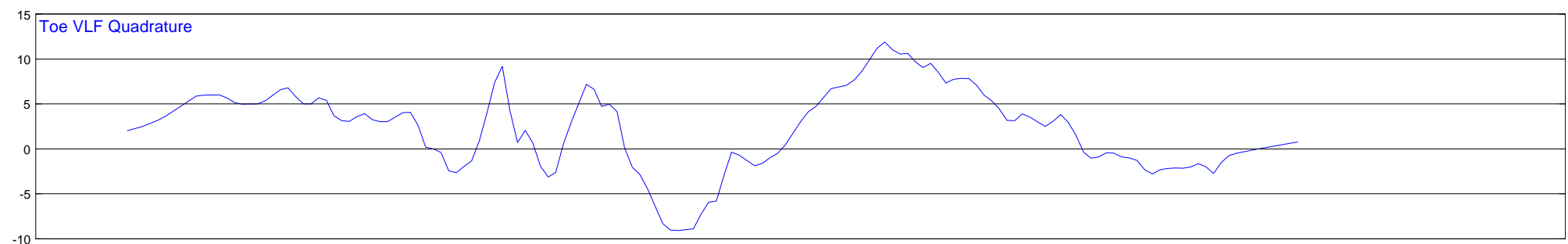
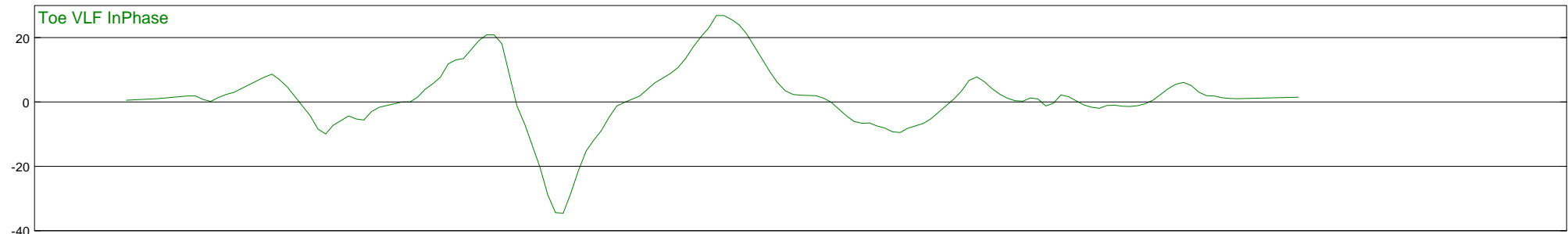
**Toe 2013
VLF-EM Profile Lines**

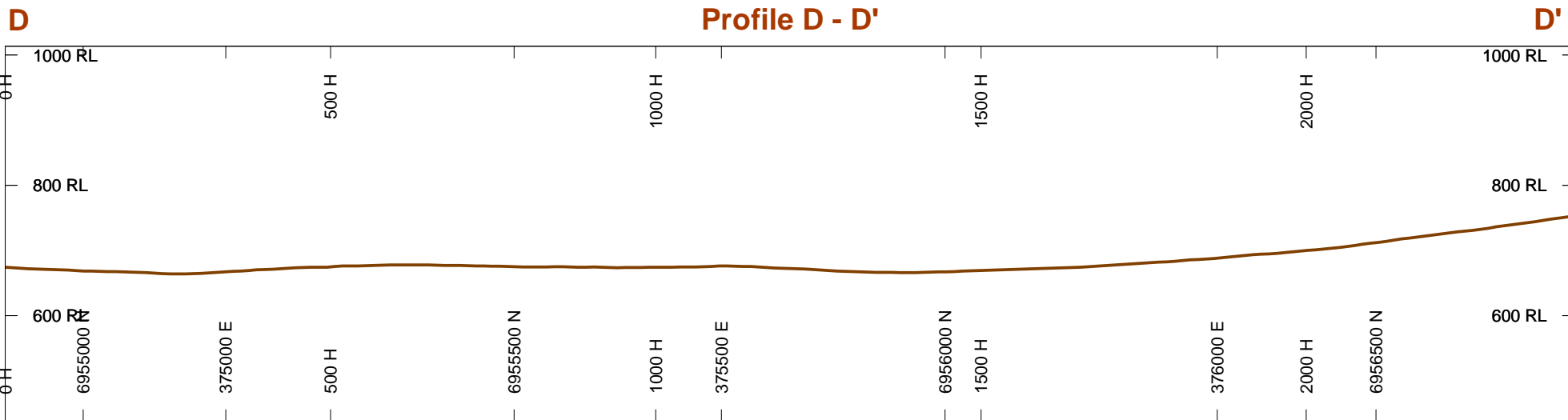
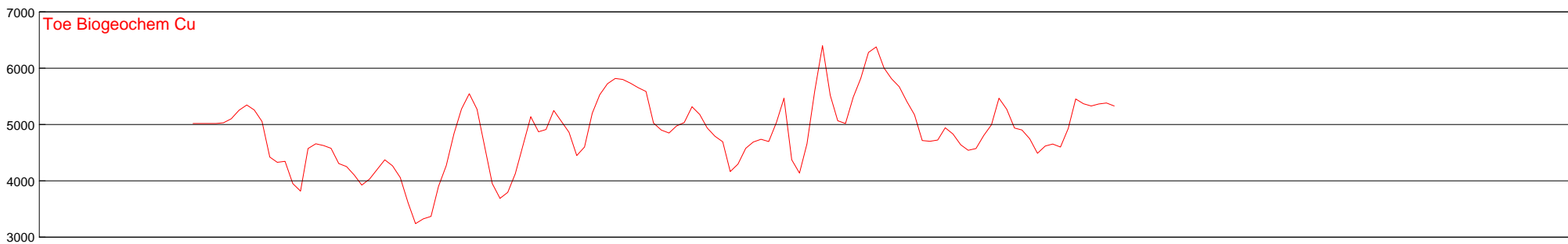
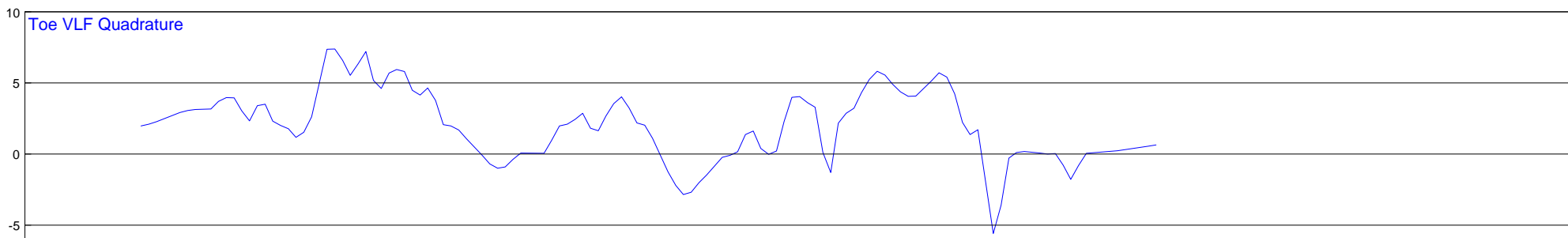
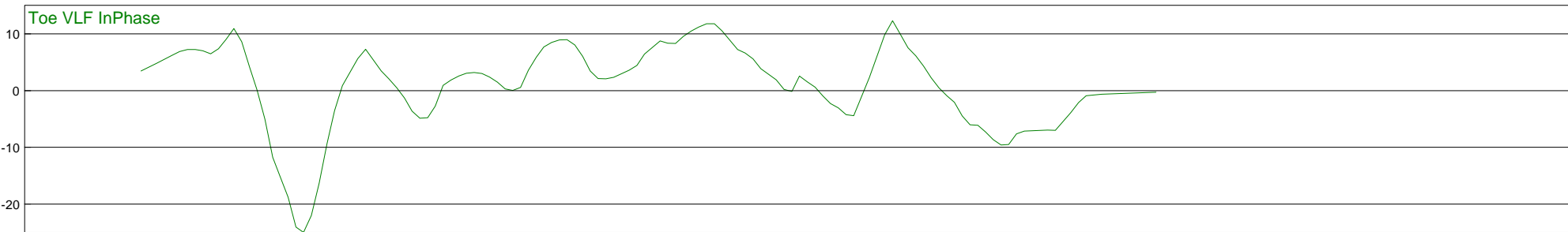


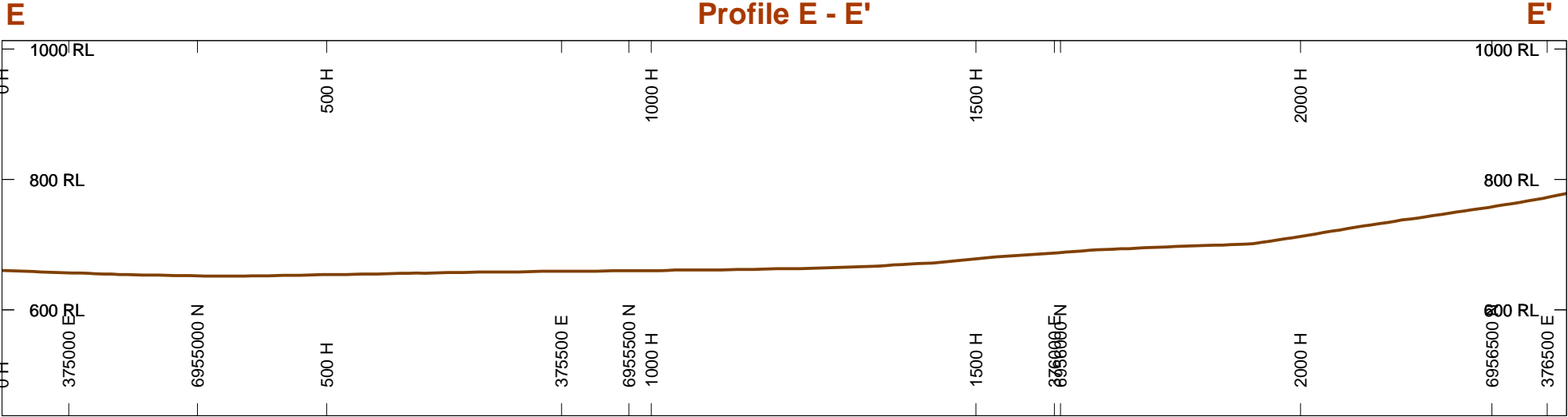
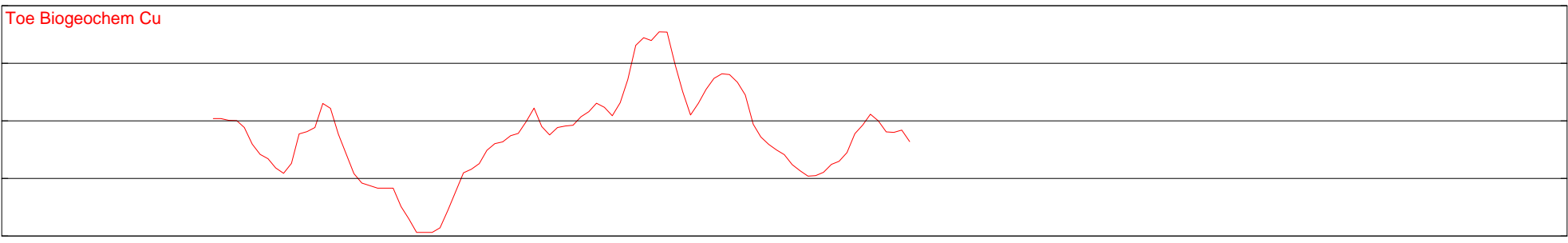
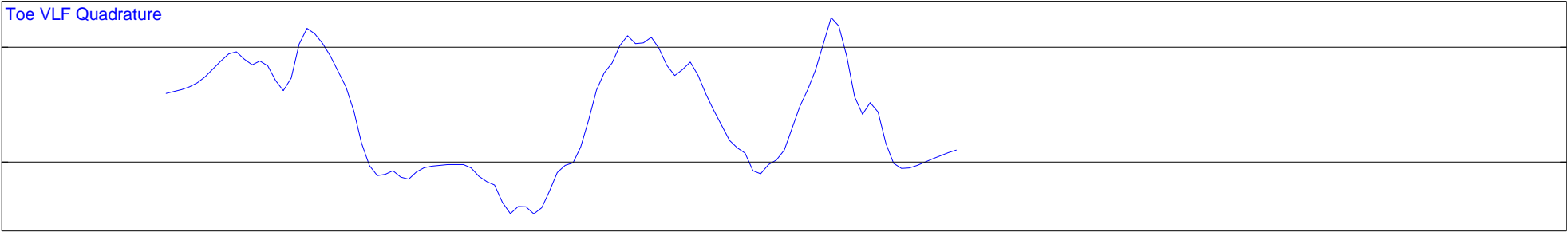
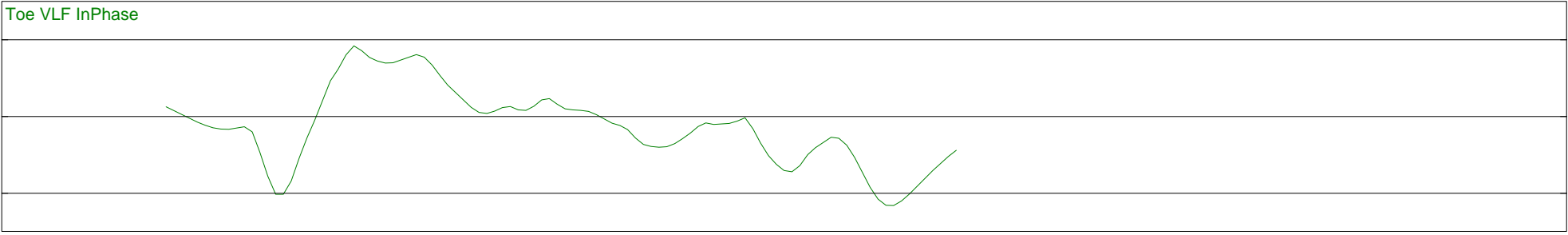
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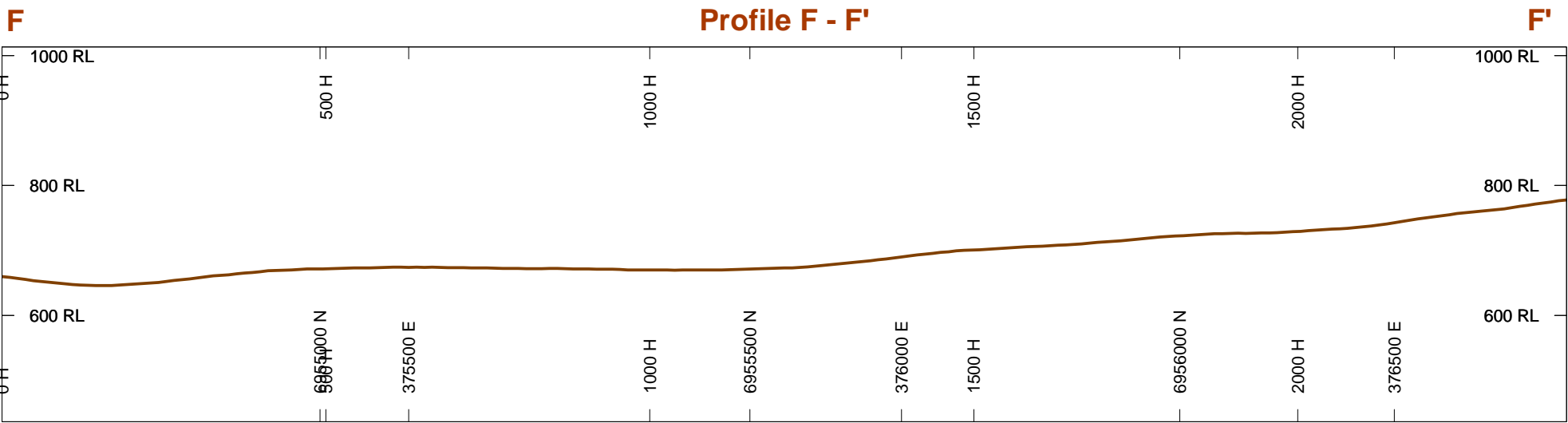
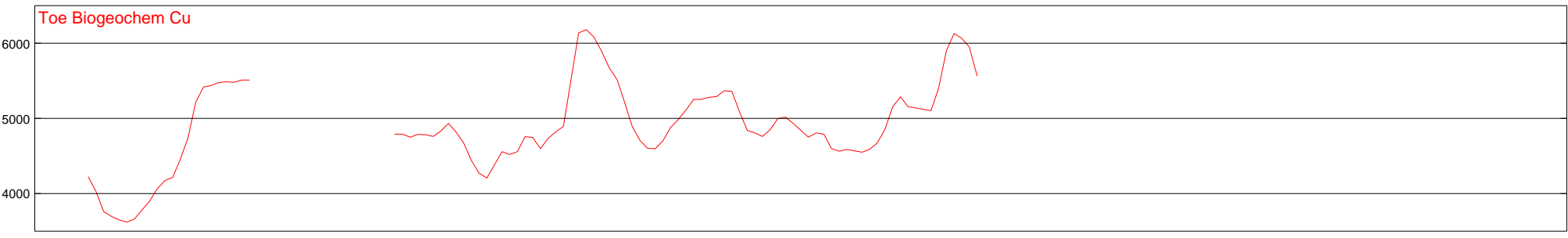
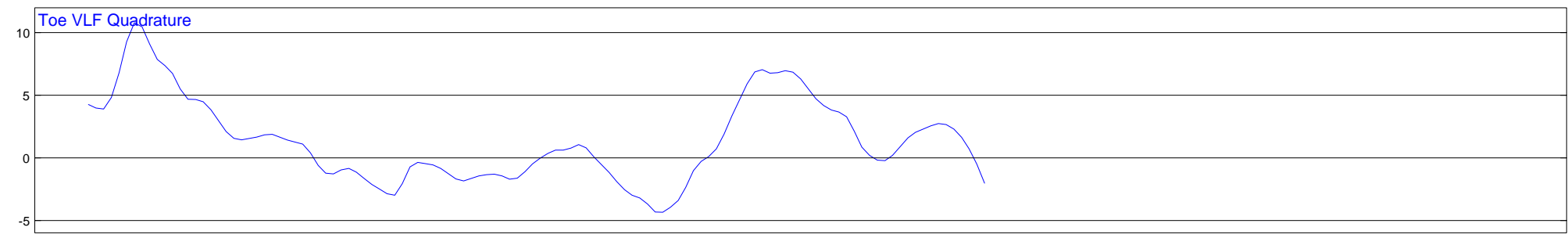
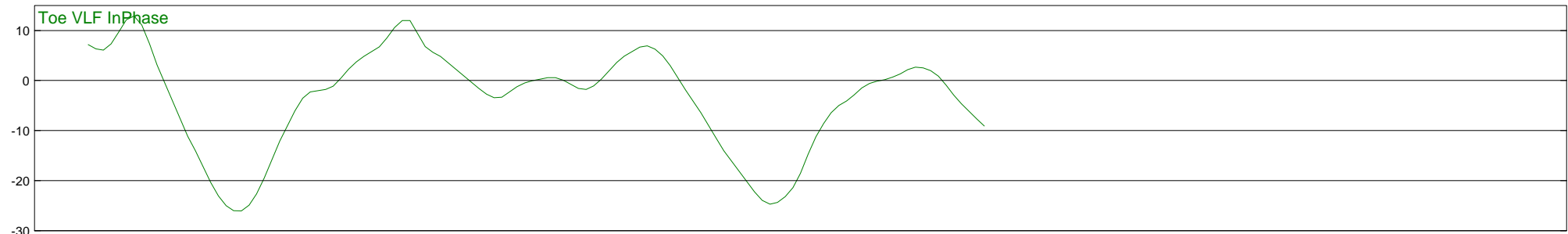


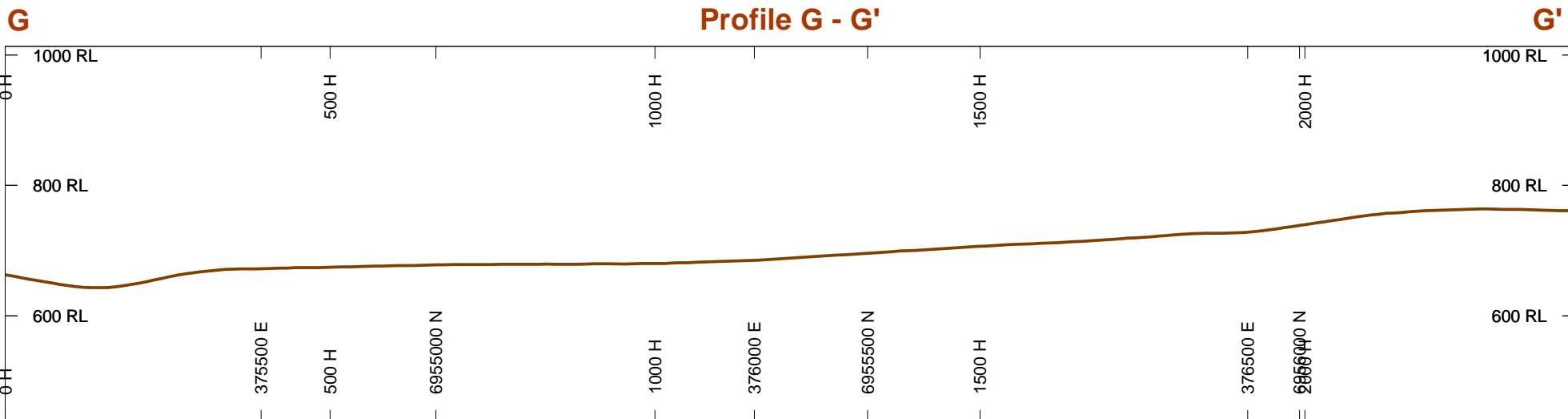
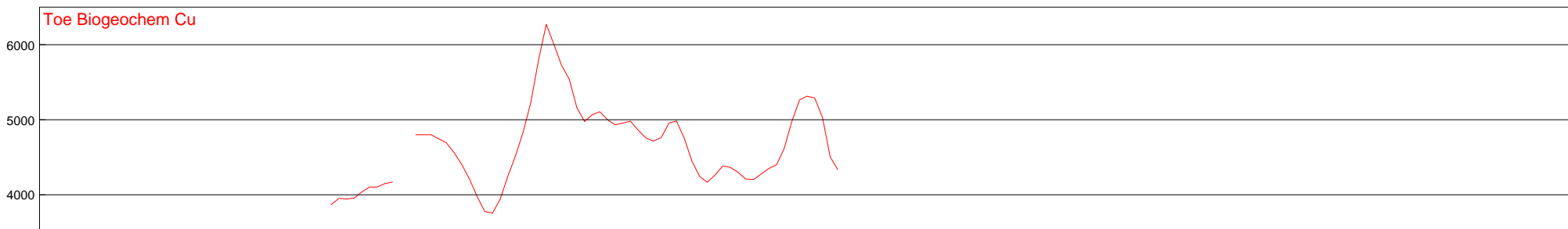
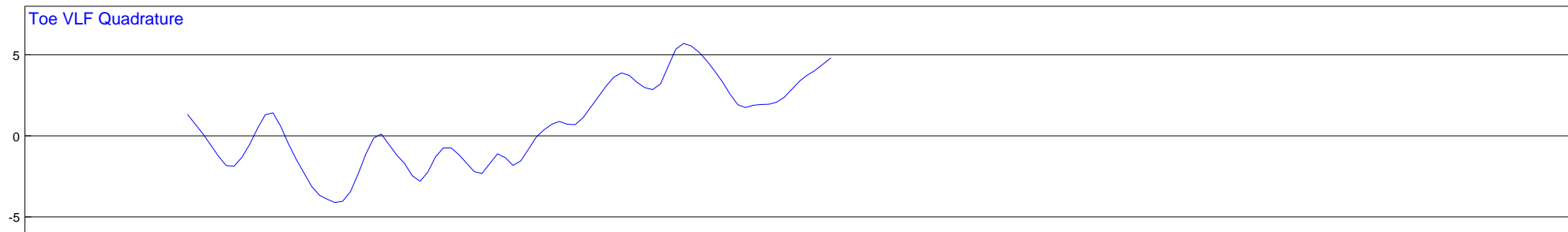
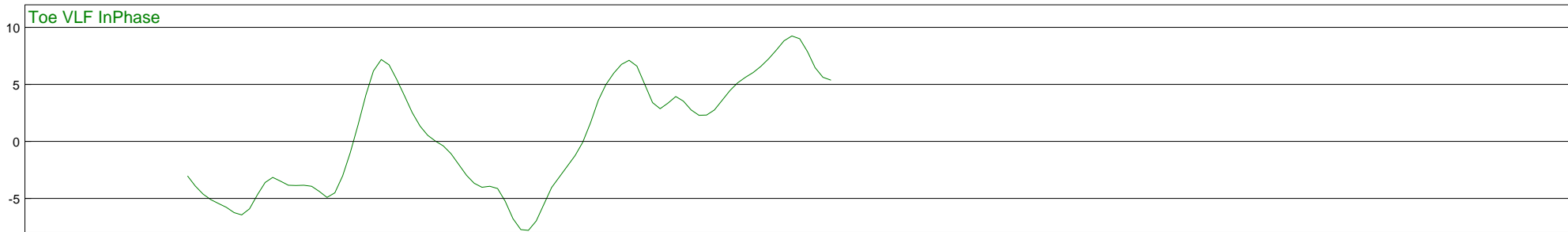












Appendix VI: Geochemical Assay Certificates

Quality Analysis ...



Innovative Technologies

Date Submitted: 21-Oct-13
Invoice No.: A13-12722
Invoice Date: 06-Nov-13
Your Reference: Toe Property

BC Gold Corp
520-800 West Pender St
Vancouver B.C
Canada

ATTN: Kory Dumas

CERTIFICATE OF ANALYSIS

556 Vegetation samples were submitted for analysis.

The following analytical package was requested: Code 2G Unwashed Vegetation ICP/MS

REPORT A13-12722

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Notes:

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Emmanuel Esemé", written over a dashed horizontal line.

Emmanuel Esemé , Ph.D.

Quality Control



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Activation Laboratories Ltd. Report: A13-12722

Analyte Symbol	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Hg
Unit Symbol	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
Detection Limit	10	1	66.0	0.2	400	5	30	20	0.3	4	2	2	40	0.2	90	0.2	0.2	0.8	0.002	1	2	10	2	10
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
N292759	50	101	90	1.2	8500	68100	<30	<20	3620	102	158	338	290	28.5	6090	5.1	2.6	3.8	66.5	36	8	<10	2	10
N292760	60	100	<60.0	0.8	6400	69300	<30	<20	3960	45	68	205	210	38.7	5990	3.2	1.2	<0.8	59.3	18	5	<10	<2	10
N292761	40	112	<60.0	0.5	6200	78500	<30	<20	3210	41	49	278	230	37.9	4800	4.7	1.0	1.5	95.8	35	4	<10	<2	10
N292762	40	94	63	0.8	4600	82900	<30	<20	3540	32	50	215	230	40.1	5680	4.1	2.0	1.7	62.9	15	6	<10	<2	10
N292763	20	102	161	0.8	4600	63200	<30	<20	3520	26	61	286	280	48.6	5090	3.3	1.9	1.9	75.1	39	5	<10	<2	10
N292764	50	128	<60.0	0.5	4800	51800	<30	<20	3390	26	73	288	320	33.9	5230	4.2	2.6	1.9	81.2	12	7	<10	2	10
N292765	30	89	<60.0	0.9	7200	22000	<30	<20	4090	19	58	184	270	43.6	4470	3.0	1.3	<0.8	62.9	59	5	<10	<2	10
N292766	30	82	<60.0	0.9	5200	39600	<30	<20	4480	14	65	197	210	28.9	5410	2.5	1.0	2.1	65.3	4	6	<10	<2	<10
N292767	80	112	<60.0	1.0	4700	52200	<30	<20	4170	32	61	234	300	24.5	4530	3.5	1.9	<0.8	64.9	37	5	<10	<2	<10
N292768	70	65	<60.0	1.2	4900	44400	<30	<20	3550	35	51	339	310	27.0	5600	2.9	1.4	1.3	71.5	20	3	<10	3	10
N292769	30	113	117	0.8	4200	51600	<30	<20	3630	38	68	348	280	41.0	5820	3.6	2.2	1.0	72.2	53	4	<10	<2	10
N292770	30	109	<60.0	0.6	3800	52900	<30	<20	3690	30	59	370	300	33.5	5560	4.2	2.3	2.1	80.0	49	5	<10	<2	10
N292771	50	69	<60.0	0.6	4100	61700	<30	<20	3210	110	44	426	270	36.7	4710	2.9	1.0	0.8	57.8	6	5	<10	<2	<10
N292772	60	89	<60.0	0.7	5000	97900	<30	<20	4840	42	48	349	290	50.4	5210	4.8	2.0	2.3	70.7	30	5	<10	<2	10
N292773	30	76	<60.0	1.1	3700	73900	<30	<20	3750	17	35	328	180	30.6	4350	1.4	1.1	<0.8	56.5	47	3	<10	<2	<10
N292774	60	103	<60.0	0.9	4100	64700	<30	<20	4200	10	56	199	290	43.1	4740	2.6	1.3	1.7	96.8	35	5	<10	<2	20
N292775	50	87	64	0.8	3600	51300	<30	<20	3640	8	50	164	190	147	5530	3.2	1.5	<0.8	58.3	15	3	<10	<2	10
N292776	50	94	<60.0	0.7	5200	74100	<30	<20	5210	6	58	182	260	369	5730	4.3	1.1	1.7	65.5	15	6	<10	2	10
N292777	30	73	<60.0	0.4	3700	68100	<30	<20	3850	78	41	459	270	154	5900	2.1	1.1	0.8	54.0	16	3	<10	<2	10
N292778	30	82	<60.0	0.3	3900	39700	<30	<20	3230	11	48	180	210	92.7	5680	2.8	0.7	1.5	54.3	21	4	<10	<2	<10
N292779	60	60	<60.0	2.1	4600	28500	<30	<20	3010	5	29	94	190	57.7	4570	2.5	1.0	<0.8	42.0	32	3	<10	<2	10
N292780	30	99	64	0.9	6400	59700	<30	<20	4920	7	66	107	350	42.5	5240	3.7	2.6	1.3	87.7	28	7	<10	<2	<10
N292781	20	53	<60.0	0.3	7700	81800	<30	<20	3990	7	34	72	250	70.0	4530	2.1	1.1	<0.8	43.8	11	4	<10	<2	<10
N292782	30	100	<60.0	0.7	7500	74500	<30	<20	4680	9	69	100	450	62.2	4660	4.4	2.1	2.6	227	33	6	<10	<2	20
N292783	20	60	<60.0	0.8	7100	56600	<30	<20	4040	22	48	69	300	28.0	3170	3.2	1.5	<0.8	53.9	40	3	<10	<2	<10
N292784	30	128	125	0.6	10200	72100	<30	<20	4750	5	93	83	730	21.3	3720	7.5	3.3	3.8	102	21	9	<10	2	20
N292785	30	113	<60.0	0.4	9900	68200	<30	<20	4290	5	82	73	610	17.0	4150	5.5	2.7	1.7	96.2	37	8	<10	3	10
N292786	60	193	96	0.7	10900	80100	<30	<20	4790	14	166	97	940	23.6	4860	10.1	4.4	3.8	207	45	11	<10	5	30
N292787	40	161	<60.0	0.3	9300	73800	<30	<20	4440	13	102	94	860	47.5	4540	6.6	4.3	2.3	125	44	8	<10	3	30
N292788	30	78	<60.0	<0.2	10700	44500	<30	<20	4140	9	59	64	560	37.0	4380	4.4	1.2	1.0	107	19	6	<10	<2	20
N292789	40	91	<60.0	0.8	9200	54800	<30	<20	4160	5	78	77	790	31.7	3620	5.7	1.9	1.3	75.7	47	7	<10	<2	20
N292790	40	92	<60.0	0.8	10100	52800	<30	<20	4170	9	72	90	540	30.9	3420	5.1	2.2	<0.8	75.2	12	7	<10	<2	10
N292791	40	82	<60.0	0.5	7900	102000	<30	<20	4610	6	68	124	580	37.2	3570	3.7	2.0	1.7	74.2	8	7	<10	<2	10
N292792	40	92	<60.0	0.4	7700	89200	<30	<20	3850	227	63	141	560	35.5	3480	4.9	1.3	<0.8	73.6	9	7	<10	<2	10
N292793	20	98	75	0.5	6000	83500	<30	<20	3940	11	55	207	370	45.9	4610	3.5	1.5	1.3	72.3	35	6	<10	<2	10
N292794	20	88	261	0.8	6600	100000	<30	<20	4040	28	49	151	400	28.9	4020	3.9	2.0	3.0	66.2	30	6	<10	<2	20
N292795	30	106	<60.0	0.3	8000	165000	<30	<20	4840	8	72	108	460	52.1	3660	5.8	2.1	1.3	85.1	43	10	<10	2	20
N292796	30	81	<60.0	0.6	8100	142000	<30	<20	4290	5	57	90	440	60.8	5180	3.6	1.4	1.9	67.1	24	6	<10	<2	<10
N292797	40	68	<60.0	0.3	9300	129000	<30	<20	4220	5	43	63	450	54.7	3300	2.5	1.1	2.5	68.5	<1	5	<10	<2	10
N292798	30	83	<60.0	0.5	9100	99700	<30	<20	3330	12	50	148	350	57.2	4730	4.1	2.4	1.7	65.8	<1	7	<10	<2	<10
N292799	20	59	<60.0	0.4	5100	64000	<30	<20	3490	<4	37	147	200	38.8	3240	1.6	0.5	0.8	44.3	31	4	<10	<2	10
N292800	40	88	<60.0	0.3	7900	57700	<30	<20	3430	18	57	215	330	32.6	3780	4.4	2.7	<0.8	68.0	30	6	<10	<2	10
N292801	50	43	<60.0	0.8	4700	62900	<30	<20	2920	21	23	168	180	14.1	3510	2.0	0.8	1.5	38.8	6	<2	<10	<2	<10
N292802	40	69	<60.0	0.4	5900	82100	<30	<20	3270	10	64	122	310	24.2	4730	2.7	1.0	0.8	55.5	29	4	<10	2	10
N292803	30	57	<60.0	0.3	7100	96700	<30	<20	3380	26	40	124	220	26.8	4310	2.9	0.7	<0.8	55.5	16	5	<10	<2	<10
N292804	80	44	<60.0	0.4	6100	81600	<30	<20	3140	39	29	134	190	48.5	4890	2.0	0.4	1.5	45.4	38	3	<10	<2	<10
N292805	60	89	<60.0	0.5	5100	73900	<30	<20	2760	26	32	153	220	57.1	5930	3.2	1.3	<0.8	44.9	12	2	<10	<2	10
N292806	80	71	<60.0	0.5	4300	123000	<30	<20	3160	93	37	195	210	35.0	7070	2.2	0.8	<0.8	54.7	36	4	<10	2	20
N292807	40	59	<60.0	0.8	6700	106000	<30	<20	4460	19	31	223	270	39.2	5110	2.8	0.8	0.8	292	22	3	<10	<2	<10
N292808	40	48	<60.0	0.6	6800	74300	<30	<20	4740	15	23	160	180	85.2	4740	1.1	0.3	1.7	35.1	27	4	<10	<2	<10
N292809	40	99	<60.0	2.1	6200	75300	<30	<20	4730	14	25	154	140	45.2	4800	2.2	1.5	1.3	40.4	19	2	<10	<2	<10
N292810	60	47	<60.0	1.4	5800	95400	<30	<20	4160	30	23	170	110	36.5	5220	1.2	1.3	1.3	34.7	3	3	<10	<2	<10

Activation Laboratories Ltd. Report: A13-12722

Analyte Symbol	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Hg
Unit Symbol	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
Detection Limit	10	1	60.0	0.2	400	5	30	20	0.3	4	2	2	40	0.2	90	0.2	0.2	0.8	0.002	1	2	10	2	10
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
N292811	50	37	< 60.0	0.4	5200	89500	< 30	< 20	3700	22	16	205	160	32.4	4510	1.3	1.2	< 0.8	34.2	< 1	2	< 10	< 2	< 10
N292812	50	56	< 60.0	0.9	5800	118000	< 30	< 20	5270	29	33	195	150	46.5	5420	2.2	0.5	1.3	38.9	44	4	< 10	< 2	< 10
N292813	40	64	< 60.0	1.1	9400	86100	< 30	< 20	4650	12	40	153	200	41.4	5600	2.4	1.0	< 0.8	50.3	17	4	< 10	< 2	10
N292814	30	81	< 60.0	0.4	5700	70000	< 30	< 20	3860	20	35	193	180	28.2	4960	2.1	0.9	1.1	39.2	33	3	< 10	< 2	10
N292815	40	56	< 60.0	0.3	5700	51200	< 30	< 20	3250	19	28	120	150	26.5	4860	1.8	0.8	< 0.8	39.6	39	2	< 10	< 2	10
N292816	30	54	< 60.0	0.2	5900	72600	< 30	< 20	3430	7	37	172	200	30.2	4300	1.7	0.9	1.3	126	17	4	< 10	< 2	< 10
N292817	20	46	< 60.0	< 0.2	5300	63200	< 30	< 20	2980	11	23	147	170	42.2	4820	1.8	0.9	1.9	44.2	8	2	< 10	< 2	< 10
N292818	40	94	< 60.0	< 0.2	5200	120000	< 30	< 20	5500	15	47	349	260	34.5	5070	3.3	2.3	1.5	78.8	10	5	< 10	< 2	10
N292819	40	77	< 60.0	< 0.2	4200	102000	< 30	< 20	4140	11	44	163	240	21.1	3750	3.3	2.8	< 0.8	68.1	5	4	< 10	< 2	10
N292820	30	75	< 60.0	0.4	4800	94500	< 30	< 20	4160	7	78	105	310	42.3	4180	4.4	2.3	4.8	67.0	25	5	< 10	< 2	20
N292821	30	56	< 60.0	0.3	5500	91000	< 30	< 20	3700	7	47	80	300	37.4	5180	2.8	1.4	< 0.8	94.9	16	5	< 10	< 2	< 10
N292822	20	54	67	0.2	5600	86100	< 30	< 20	4120	4	37	61	260	49.6	4140	3.1	1.5	1.1	46.7	22	5	< 10	< 2	10
N292823	20	104	62	0.3	7800	93200	< 30	< 20	4800	11	63	128	400	55.5	4610	3.8	1.8	1.5	90.5	25	7	< 10	< 2	20
N292824	30	106	62	0.3	7400	83800	< 30	< 20	3830	12	71	105	460	48.3	4680	4.9	2.8	0.9	121	39	7	< 10	< 2	20
N292825	20	116	< 60.0	< 0.2	7700	80700	< 30	< 20	4220	< 4	88	124	450	59.4	4590	4.8	3.5	1.5	87.0	13	7	< 10	3	20
N292826	30	98	< 60.0	0.3	7200	92400	< 30	< 20	4740	8	56	96	410	72.9	4620	4.0	2.4	1.8	74.0	21	6	< 10	< 2	20
N292827	20	78	< 60.0	< 0.2	6300	91600	< 30	< 20	5270	7	59	60	370	50.0	3580	4.5	2.0	1.8	67.8	21	7	< 10	< 2	10
N292828	20	84	< 60.0	< 0.2	9500	86900	< 30	< 20	4230	5	58	66	460	34.9	4060	3.2	2.8	1.5	78.5	21	6	< 10	< 2	10
N292829	20	70	< 60.0	< 0.2	8400	79200	< 30	< 20	4720	13	53	54	340	52.9	3260	3.5	1.6	1.1	62.7	< 1	5	< 10	< 2	10
N292830	20	98	< 60.0	< 0.2	9100	85300	< 30	< 20	4880	5	77	60	390	46.9	3050	5.3	3.9	1.7	88.4	49	7	< 10	< 2	10
N292831	30	69	121	< 0.2	5500	45200	< 30	< 20	3320	9	37	46	290	42.6	3670	2.5	1.7	1.3	98.4	17	3	< 10	< 2	< 10
N292832	30	71	< 60.0	0.7	3600	62400	< 30	< 20	3070	10	54	79	220	94.6	4290	3.3	1.2	< 0.8	54.7	11	6	< 10	< 2	10
N292833	20	85	< 60.0	< 0.2	4100	96200	< 30	< 20	3290	14	41	282	200	82.3	3990	3.3	0.9	1.8	54.4	37	4	< 10	< 2	10
N292834	60	99	< 60.0	< 0.2	3500	136000	< 30	< 20	3340	31	33	283	200	40.4	5460	3.0	1.7	1.1	50.9	7	5	< 10	< 2	< 10
N292835	70	78	< 60.0	< 0.2	3800	79500	< 30	< 20	3330	15	45	171	270	29.0	5940	2.8	1.8	1.5	99.3	22	3	< 10	< 2	10
N292836	40	86	< 60.0	0.2	5800	112000	< 30	< 20	4330	34	51	241	270	53.9	6480	3.1	1.8	2.6	105	21	6	< 10	< 2	10
N292837	40	97	< 60.0	< 0.2	4200	109000	< 30	< 20	3580	22	51	197	260	68.1	5310	3.0	1.4	1.5	61.1	5	4	< 10	< 2	< 10
N292838	60	110	< 60.0	< 0.2	4200	137000	< 30	< 20	3550	23	67	405	300	41.7	6180	3.2	2.7	2.6	85.5	20	6	< 10	< 2	20
N292839	40	75	< 60.0	0.4	3900	85800	< 30	< 20	2970	15	43	280	260	21.0	6010	2.4	1.9	1.3	68.4	24	5	< 10	< 2	< 10
N292840	60	100	< 60.0	0.8	4600	63400	< 30	< 20	4310	10	81	186	370	27.1	3980	4.4	2.0	1.2	78.7	17	4	< 10	3	10
N292841	50	79	< 60.0	< 0.2	6500	93800	< 30	< 20	3260	15	48	96	320	37.0	3810	2.9	0.8	2.6	50.4	22	4	< 10	< 2	10
N292842	40	92	< 60.0	< 0.2	7100	89100	< 30	< 20	4460	7	69	156	1140	45.5	4410	4.3	2.6	2.6	91.4	19	6	< 10	< 2	20
N292843	30	75	< 60.0	< 0.2	7200	79500	< 30	< 20	4220	10	63	137	350	58.0	5620	3.3	2.0	1.3	69.1	48	3	< 10	< 2	10
N292844	40	56	< 60.0	< 0.2	6200	74600	< 30	< 20	4050	10	37	177	200	49.9	5970	2.7	1.0	1.1	50.1	27	3	< 10	< 2	10
N292845	30	90	< 60.0	< 0.2	11500	57000	< 30	< 20	5140	13	63	127	350	50.5	4730	2.8	2.1	2.0	76.4	30	6	< 10	2	20
N292846	30	74	< 60.0	< 0.2	10400	49800	< 30	< 20	3420	11	45	253	290	33.3	6490	3.1	1.3	1.1	66.9	6	4	< 10	< 2	20
N292847	30	66	< 60.0	< 0.2	7600	97500	< 30	< 20	3250	43	23	226	210	39.3	6110	2.1	1.3	< 0.8	42.0	44	3	< 10	< 2	< 10
N292848	30	50	< 60.0	0.2	4000	104000	< 30	< 20	3300	22	30	112	210	39.2	4890	1.5	1.1	0.9	40.1	12	3	< 10	< 2	< 10
N292849	30	71	< 60.0	1.0	5700	98200	< 30	< 20	2950	21	35	101	220	35.2	4360	1.7	1.2	2.3	39.5	22	5	< 10	< 2	10
N292850	40	74	< 60.0	1.5	6000	91100	< 30	< 20	2720	17	37	89	200	30.4	4460	2.8	0.9	2.0	48.3	28	5	< 10	< 2	< 10
N292851	40	86	< 60.0	0.4	6300	105000	< 30	< 20	3160	16	50	123	350	27.0	3800	4.0	1.3	3.6	61.5	18	7	< 10	< 2	< 10
N292852	40	62	70	0.4	6400	105000	< 30	< 20	3200	12	35	86	220	18.8	4200	2.3	2.0	1.1	39.8	59	4	< 10	< 2	< 10
N292853	40	98	< 60.0	0.5	7800	109000	< 30	< 20	3760	12	49	109	280	15.7	4480	4.0	2.7	3.8	61.3	18	6	< 10	2	10
N292854	50	101	< 60.0	0.2	9200	129000	< 30	< 20	4110	10	68	120	350	26.9	4950	4.2	1.7	1.1	70.8	44	6	< 10	< 2	10
N292855	40	79	< 60.0	0.5	8300	179000	< 30	< 20	4430	11	50	138	240	9.5	4480	3.4	1.1	1.8	52.0	< 1	6	< 10	< 2	< 10
N292856	50	72	< 60.0	0.5	6500	81000	< 30	< 20	2990	13	31	150	260	36.4	3890	1.7	1.1	< 0.8	44.7	13	3	< 10	< 2	10
N292857	50	111	< 60.0	0.6	5700	88000	< 30	< 20	3610	17	61	154	320	45.7	5100	5.8	2.9	1.6	71.1	24	6	< 10	< 2	20
N292858	70	95	< 60.0	< 0.2	7000	103000	< 30	< 20	4410	20	54	172	290	40.0	6710	3.2	2.0	1.6	62.0	52	6	< 10	< 2	10
N292859	50	91	< 60.0	0.4	6700	78500	< 30	< 20	4380	18	46	138	270	40.8	6110	2.1	1.7	1.3	58.0	21	5	< 10	< 2	20
N292860	50	62	< 60.0	0.4	4700	67600	< 30	< 20	3480	13	32	93	200	34.8	5550	1.8	1.0	1.1	45.0	34	4	< 10	< 2	< 10
N292861	30	112	< 60.0	0.3	5000	64100	< 30	< 20	3230	11	70	116	230	23.4	6070	2.2	1.2	< 0.8	47.8	26	3	< 10	< 2	< 10
N292862	80	91	< 60.0	< 0.2	6700	110000	< 30	< 20	3890	12	61	149	290	22.2	6370	3.1	1.7	2.5	57.4	6	4	< 10	< 2	10

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Analyte Symbol	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Hg
Unit Symbol	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
Detection Limit	10	1	60.0	0.2	400	5	30	20	0.3	4	2	2	40	0.2	90	0.2	0.2	0.8	0.002	1	2	10	2	10
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
N292863	60	87	< 60.0	0.3	6400	117000	< 30	< 20	3760	15	47	148	300	35.7	6470	2.5	1.5	1.6	51.3	60	5	< 10	< 2	20
N292864	40	207	< 60.0	0.5	8800	154000	< 30	< 20	5030	38	119	173	600	26.8	5560	7.9	5.3	2.7	135	37	12	< 10	3	30
N292865	40	139	65	0.3	6200	115000	< 30	< 20	3430	45	101	263	610	19.8	5440	4.9	2.8	1.4	97.7	58	8	< 10	< 2	< 10
N292866	30	73	< 60.0	0.5	10200	108000	< 30	< 20	3500	8	50	140	250	24.5	5170	2.8	1.3	< 0.8	51.5	37	5	< 10	< 2	10
N292867	30	95	< 60.0	0.5	12000	106000	< 30	< 20	3660	5	52	144	330	17.7	5820	3.8	2.2	1.6	65.7	21	6	< 10	< 2	20
N292868	30	58	< 60.0	0.5	12100	118000	< 30	< 20	3520	14	48	144	190	63.8	6080	3.0	2.3	1.8	48.2	11	4	< 10	< 2	20
N292869	60	109	< 60.0	0.8	9200	119000	< 30	< 20	4040	35	58	284	290	26.7	5820	3.5	1.5	1.8	75.4	10	7	< 10	< 2	10
N292870	50	46	< 60.0	0.5	8100	107000	< 30	< 20	3080	28	19	210	160	32.8	5080	1.0	< 0.2	< 0.8	33.2	3	5	< 10	< 2	10
N292871	70	94	< 60.0	0.4	6900	126000	< 30	< 20	3510	48	51	220	230	36.7	6640	3.7	3.0	2.7	62.5	28	7	< 10	< 2	20
N292872	40	78	< 60.0	0.4	8100	71600	< 30	< 20	2900	24	30	209	200	31.5	6030	1.9	1.3	< 0.8	48.5	44	4	< 10	< 2	10
T13001	40	123	< 60.0	0.4	9900	82300	< 30	< 20	4620	24	86	106	310	21.7	5420	5.6	3.8	4.8	91.5	65	7	< 10	3	20
T13002	30	83	< 60.0	0.6	8800	99300	< 30	< 20	3660	12	63	71	380	12.9	4310	4.1	2.2	1.4	67.8	19	6	< 10	< 2	10
T13003	30	133	< 60.0	0.3	9400	129000	< 30	< 20	4990	17	99	90	480	17.1	4840	5.1	4.2	2.7	104	48	7	< 10	2	10
T13004	30	100	< 60.0	0.4	9100	83800	< 30	< 20	3610	11	74	93	470	14.1	4250	5.2	3.1	2.7	82.0	50	8	< 10	2	10
T13005	30	210	< 60.0	0.8	8600	100000	< 30	< 20	5040	17	156	120	740	29.7	6920	7.9	5.6	4.5	154	105	14	< 10	5	20
T13006	40	177	< 60.0	0.6	9800	111000	< 30	< 20	4500	13	143	92	700	30.1	6270	7.6	5.5	5.0	138	18	12	< 10	3	20
T13007	40	125	< 60.0	0.4	8700	82100	< 30	< 20	4860	13	92	71	590	21.9	5480	8.7	4.1	2.2	100	24	8	< 10	2	10
T13008	40	176	81	0.4	10200	138000	< 30	< 20	6740	15	125	102	760	22.4	5710	8.8	3.9	2.7	140	56	11	< 10	3	10
T13009	40	107	66	0.6	10100	96300	< 30	< 20	4730	12	84	73	630	20.0	4790	5.9	4.6	2.7	89.8	33	11	< 10	< 2	< 10
T13010	20	79	< 60.0	0.4	10500	92800	< 30	< 20	3880	7	86	63	530	16.7	4460	3.2	2.3	1.8	68.1	45	7	< 10	2	< 10
T13011	30	106	< 60.0	0.3	9300	82400	< 30	< 20	5260	8	79	52	580	12.1	4440	5.8	2.3	3.3	113	29	7	< 10	2	20
T13012	20	141	< 60.0	< 0.2	8900	88800	< 30	< 20	3950	8	111	68	770	13.2	4920	6.3	2.9	3.1	113	37	11	< 10	4	10
T13013	10	115	64	0.3	8900	223000	< 30	< 20	6160	8	119	103	700	22.1	4950	4.8	3.1	3.3	90.4	35	10	20	2	< 10
T13014	20	151	84	0.6	9500	121000	< 30	< 20	4790	12	100	78	790	19.3	5630	6.2	4.2	3.4	116	64	8	< 10	3	20
T13015	20	144	61	0.8	10500	101000	< 30	< 20	4200	10	92	67	710	20.9	5070	7.3	3.8	1.8	111	28	10	< 10	3	10
T13016	30	143	< 60.0	0.3	8700	90600	< 30	< 20	4580	11	123	96	810	32.2	5170	6.7	4.3	2.9	135	30	10	< 10	3	10
T13017	30	244	< 60.0	0.3	10300	104000	< 30	< 20	5120	18	158	112	920	31.1	6140	11.8	7.7	8.1	187	63	18	< 10	8	20
T13018	20	124	< 60.0	0.4	9100	135000	< 30	< 20	6210	7	96	71	730	39.6	4450	8.4	3.8	2.0	98.1	< 1	8	< 10	2	10
T13019	20	81	< 60.0	0.4	8700	91500	< 30	< 20	4570	5	64	52	610	35.4	4670	4.8	2.3	3.2	68.5	20	5	< 10	< 2	< 10
T13020	30	75	< 60.0	0.4	9700	82200	< 30	< 20	4460	8	61	56	490	33.7	4970	4.5	2.4	< 0.8	62.8	41	6	< 10	< 2	< 10
T13021	20	98	< 60.0	0.5	8400	88200	< 30	< 20	5560	9	66	81	560	19.3	4750	15.1	10.0	2.5	79.6	34	98	< 10	< 2	10
T13022	30	118	< 60.0	0.6	8600	95200	< 30	< 20	5150	12	125	69	750	29.8	5350	5.4	4.8	3.8	96.1	9	15	< 10	< 2	10
T13023	20	90	< 60.0	0.2	8200	170000	< 30	< 20	5310	9	68	56	630	43.2	4830	3.4	2.7	1.1	74.7	20	11	< 10	< 2	10
T13024	20	111	< 60.0	0.7	8400	136000	< 30	< 20	5090	13	86	70	650	51.3	4470	5.0	3.2	2.3	91.8	29	8	< 10	< 2	< 10
T13025	20	178	< 60.0	0.6	7700	86900	< 30	< 20	4960	12	136	82	710	30.6	5280	9.2	4.4	5.4	136	49	12	< 10	3	20
T13026	30	88	< 60.0	0.5	8700	55400	< 30	< 20	3930	9	58	367	530	27.9	4130	4.2	3.2	< 0.8	71.9	31	18	< 10	< 2	10
T13027	30	113	< 60.0	0.6	8900	54400	< 30	< 20	3780	6	92	61	500	27.4	4640	5.8	3.5	2.0	90.6	39	15	< 10	2	10
T13028	30	150	132	0.2	9400	62800	< 30	< 20	4550	9	105	80	610	29.5	4650	9.0	3.8	2.9	118	62	10	< 10	3	20
T13029	20	122	< 60.0	0.2	10200	116000	< 30	< 20	3890	9	106	69	570	34.8	4330	5.0	3.8	2.7	102	15	12	< 10	3	20
T13030	30	93	< 60.0	0.5	10200	115000	< 30	< 20	3880	9	72	58	440	27.8	4550	3.4	2.3	1.8	78.0	35	423	< 10	< 2	10
T13031	30	195	< 60.0	< 0.2	8200	117000	< 30	< 20	4210	18	151	154	780	45.9	5920	9.7	5.2	4.0	148	82	10	< 10	3	20
T13032	30	134	< 60.0	0.2	9200	87400	< 30	< 20	3760	10	92	91	740	48.8	5070	6.4	3.8	2.7	105	37	7	< 10	3	10
T13033	20	89	< 60.0	0.5	7100	92100	< 30	< 20	3020	< 4	54	61	500	51.9	5210	2.8	2.7	1.8	74.4	11	8	< 10	< 2	10
T13034	30	78	< 60.0	< 0.2	7200	78500	< 30	< 20	2760	8	45	55	440	87.5	4270	3.3	2.5	3.1	75.2	21	5	< 10	2	10
T13035	70	147	< 60.0	0.3	9100	142000	< 30	< 20	5590	13	109	94	570	65.3	6410	6.4	3.7	3.8	112	57	12	< 10	3	20
T13036	80	194	< 60.0	0.5	9300	116000	< 30	< 20	4250	18	139	128	690	50.9	6580	10.3	6.1	6.1	149	27	15	< 10	4	30
T13037	40	123	< 60.0	0.5	9000	135000	< 30	< 20	4790	16	84	100	550	98.3	6040	7.2	4.3	2.9	99.3	40	7	< 10	< 2	20
T13038	30	68	< 60.0	0.3	8600	93600	< 30	< 20	3730	9	47	83	350	104	4580	2.0	1.3	1.1	57.1	21	5	< 10	4	10
T13039	20	136	60	< 0.2	8100	102000	< 30	< 20	3730	11	87	91	520	107	5380	5.7	2.6	2.0	103	11	9	< 10	3	20
T13040	20	47	< 60.0	0.2	7100	58800	< 30	< 20	2890	11	36	51	260	58.3	4640	2.0	1.4	< 0.8	49.8	18	5	< 10	< 2	10
T13041	20	103	< 60.0	0.3	5900	49900	< 30	< 20	3260	9	72	83	450	51.1	5450	5.0	2.0	< 0.8	112	35	7	< 10	3	10
T13042	20	96	< 60.0	0.4	6200	47500	< 30	< 20	3890	6	73	63	420	39.9	4940	4.3	3.7	1.2	100.0	47	8	< 10	< 2	10

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Analyte Symbol	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Hg
Unit Symbol	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
Detection Limit	10	1	60.0	0.2	400	5	30	20	0.3	4	2	2	40	0.2	90	0.2	0.2	0.8	0.002	1	2	10	2	10
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
T13043	10	68	<60.0	0.6	5800	68300	<30	<20	3180	<4	43	40	400	34.8	4200	3.6	2.0	<0.8	63.9	37	5	<10	<2	10
T13044	20	83	<60.0	0.6	7700	67900	<30	<20	3880	7	55	54	440	38.0	4270	2.6	2.9	<0.8	147	36	7	10	<2	<10
T13045	10	102	<60.0	0.6	7400	61200	<30	<20	4360	6	66	59	480	42.1	4040	3.5	2.6	1.8	80.2	31	6	<10	<2	<10
T13046	20	92	<60.0	0.2	6300	47500	<30	<20	3670	<4	67	59	470	32.5	3900	4.1	2.0	0.9	76.6	21	7	<10	<2	<10
T13047	60	113	<60.0	0.3	5800	39400	<30	<20	3830	13	88	71	500	35.7	4190	6.1	3.0	2.1	92.4	33	8	<10	<2	20
T13048	20	110	<60.0	0.4	6200	44700	<30	<20	4280	13	88	77	530	52.7	4520	5.8	4.0	1.4	94.0	54	8	<10	2	10
T13049	10	117	<60.0	0.5	6000	37300	<30	<20	4980	8	75	72	670	47.1	4530	4.7	3.5	1.4	95.1	59	8	<10	2	10
T13050	20	120	<60.0	0.8	5900	59500	<30	<20	4210	9	90	67	580	39.3	4640	6.1	3.2	<0.8	97.0	33	8	<10	2	10
T13051	10	95	<60.0	0.4	5300	45700	<30	<20	3170	6	60	49	540	30.7	3800	5.5	2.3	0.9	87.8	25	7	<10	<2	<10
T13052	20	149	<60.0	<0.2	6900	55300	<30	<20	4110	14	118	74	740	40.2	5740	7.7	5.3	2.8	116	11	9	<10	<2	10
T13053	20	157	<60.0	0.7	7700	65800	<30	<20	5120	14	109	81	1470	52.2	5890	8.7	3.1	3.0	168	57	8	<10	3	10
T13054	20	151	<60.0	0.3	7000	71400	<30	<20	4710	9	114	76	750	63.4	5910	7.9	4.8	2.5	119	61	12	<10	2	20
T13055	20	134	<60.0	0.5	7800	68900	<30	<20	4480	10	99	68	650	63.8	5530	6.3	3.2	1.6	111	53	10	<10	2	10
T13056	20	134	<60.0	0.8	6000	42700	<30	<20	2850	8	114	58	700	34.5	4810	7.4	2.8	<0.8	107	9	7	<10	2	<10
T13057	30	156	<60.0	0.8	9600	44700	<30	<20	3850	5	126	75	770	55.2	5830	6.8	3.8	1.6	125	77	10	<10	23	10
T13058	20	212	<60.0	0.6	8100	46200	<30	<20	3810	14	148	108	950	82.4	7170	10.2	5.8	2.8	173	48	14	<10	4	20
T13059	20	190	<60.0	0.4	9800	50100	<30	<20	4550	16	152	106	900	75.1	6280	10.8	6.7	2.8	147	29	12	<10	4	10
T13060	20	215	<60.0	0.8	8300	51400	<30	<20	4330	13	148	115	1050	100	6870	10.6	5.1	2.1	168	20	13	<10	4	20
T13061	20	139	<60.0	0.6	6700	32600	<30	<20	4150	9	109	89	800	76.8	5510	6.4	3.9	1.9	113	27	11	<10	<2	20
T13062	20	93	<60.0	0.5	6200	29200	<30	<20	3300	4	88	59	590	45.0	4680	4.9	2.5	0.9	96.2	13	7	<10	<2	<10
T13063	20	128	<60.0	0.5	6800	59700	<30	<20	4180	9	97	66	750	42.3	5570	5.3	4.5	1.2	112	53	8	<10	<2	10
T13064	10	155	<60.0	0.4	8300	67200	<30	<20	4570	9	109	71	710	59.1	5160	7.4	3.8	3.5	121	22	10	<10	2	10
T13065	20	101	<60.0	0.4	9300	52400	<30	<20	3270	10	78	88	620	76.4	4850	4.7	2.9	<0.8	84.8	30	7	<10	2	10
T13066	10	90	<60.0	<0.2	7800	51800	<30	<20	4090	9	72	60	470	62.6	4950	5.0	1.5	1.4	75.4	13	5	<10	<2	<10
T13067	20	101	<60.0	0.2	7800	46700	<30	<20	3990	6	92	58	470	69.0	4620	5.4	2.9	<0.8	78.5	28	5	<10	<2	<10
T13068	20	160	<60.0	0.5	8600	57900	<30	<20	5430	13	111	84	700	58.2	5490	8.6	5.1	1.2	124	67	8	<10	3	10
T13069	10	159	<60.0	0.3	8600	52800	<30	<20	5680	13	112	90	880	49.9	5890	6.5	3.4	2.6	127	31	12	<10	3	10
T13070	<10	96	<60.0	0.5	7600	50200	<30	<20	4350	13	74	63	630	55.8	4570	5.5	2.5	<0.8	81.2	19	8	<10	<2	<10
T13071	10	87	<60.0	<0.2	5900	44800	<30	<20	4490	10	74	56	590	47.3	4630	4.5	2.1	1.6	74.6	<1	8	<10	4	<10
T13072	20	61	<60.0	0.5	8900	50600	<30	<20	3410	5	35	47	410	23.8	3590	2.0	0.9	1.4	55.4	18	3	<10	<2	<10
T13073	30	61	<60.0	0.3	9700	90600	<30	<20	3670	4	52	42	370	19.2	4090	3.2	1.2	1.6	54.9	8	5	<10	<2	<10
T13074	30	71	<60.0	0.3	8700	122000	<30	<20	4820	17	62	56	320	25.9	5300	4.2	1.7	<0.8	60.5	41	6	<10	<2	10
T13075	30	47	<60.0	0.3	8800	118000	<30	<20	3600	6	31	31	220	35.1	4740	2.1	0.9	0.9	79.8	13	5	<10	<2	<10
T13076	30	95	<60.0	0.2	7800	102000	<30	<20	3890	13	71	73	450	37.4	5340	4.1	2.8	3.0	74.4	15	7	<10	<2	<10
T13077	20	93	<60.0	0.7	7000	84400	<30	<20	3880	20	69	81	450	43.7	4920	3.8	1.1	<0.8	72.5	<1	8	<10	2	<10
T13078	30	92	<60.0	0.2	6700	92600	<30	<20	4310	10	69	60	430	23.8	4170	4.5	3.1	<0.8	74.1	42	5	<10	<2	<10
T13079	40	147	90	<0.2	6900	108000	<30	<20	4760	29	101	100	560	19.8	5240	5.0	3.5	2.5	111	17	9	<10	3	10
T13080	50	119	<60.0	0.4	10200	123000	<30	<20	4840	14	84	69	590	19.3	5790	5.7	3.8	0.9	95.3	29	6	<10	<2	<10
T13081	20	84	83	0.5	8800	142000	<30	<20	4090	10	58	80	580	13.5	5860	4.3	1.8	0.9	244	15	5	<10	<2	<10
T13082	30	106	<60.0	0.3	7800	122000	<30	<20	4100	13	75	68	530	15.0	5740	5.1	2.0	<0.8	83.9	29	9	<10	<2	<10
T13083	30	119	<60.0	0.5	7000	78900	<30	<20	3990	8	89	82	610	19.7	5740	7.6	2.7	2.3	96.8	12	9	<10	2	10
T13084	30	131	<60.0	0.2	6500	88600	<30	<20	4080	9	81	103	670	25.7	4630	5.9	2.7	<0.8	103	18	9	<10	2	20
T13085	30	121	<60.0	0.4	9400	96700	<30	<20	4510	35	94	67	740	17.6	4800	5.2	3.2	<0.8	98.4	8	10	<10	3	10
T13086	30	129	<60.0	0.3	9500	79600	<30	<20	4950	16	97	81	760	19.7	4980	4.2	3.5	<0.8	105	63	8	<10	3	<10
T13087	30	33	<60.0	<0.2	7100	61200	<30	<20	3020	5	28	34	270	19.9	5450	1.6	0.8	<0.8	120	19	4	<10	<2	<10
T13088	30	75	<60.0	0.2	6900	99500	<30	<20	3450	6	46	45	290	31.9	4930	4.0	1.8	<0.8	89.9	27	5	<10	<2	<10
T13089	30	111	<60.0	0.8	8700	127000	<30	<20	4330	9	71	57	330	47.1	4770	3.8	2.3	1.2	159	14	8	<10	2	10
T13090	40	89	<60.0	0.3	7800	108000	<30	<20	3470	10	64	52	340	26.5	3900	5.3	3.0	<0.8	172	45	8	<10	<2	<10
T13091	40	116	<60.0	0.2	8700	122000	<30	<20	3860	11	99	56	370	33.1	4580	6.1	3.7	1.6	93.1	53	10	<10	2	<10
T13092	30	102	<60.0	0.4	5400	105000	<30	<20	3970	4	61	46	300	41.3	4610	4.8	3.0	2.3	86.7	57	6	<10	2	<10
T13093	20	68	<60.0	0.3	6500	97800	<30	<20	4210	<4	43	40	270	32.8	4750	3.4	1.1	<0.8	100	33	5	<10	<2	<10
T13094	20	104	<60.0	0.4	7800	72400	<30	<20	4290	9	69	54	350	35.5	4600	6.2	1.6	<0.8	78.6	20	7	<10	2	<10

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Analyte Symbol	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Hg	
Unit Symbol	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	
Detection Limit	10	1	60.0	0.2	400	5	30	20	0.3	4	2	2	40	0.2	90	0.2	0.8	0.002	1	2	10	2	10	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	
T13095	20	134	< 60.0	0.5	9700	82000	< 30	< 20	4820	10	100	75	670	21.7	5770	5.6	4.4	2.8	409	28	9	< 10	3	10
T13096	< 10	83	65	0.4	9500	29400	< 30	< 20	2740	7	66	48	460	13.8	3870	4.1	1.8	2.5	113	40	4	< 10	2	< 10
T13097	10	119	77	< 0.2	13100	33900	< 30	< 20	3820	6	86	63	640	21.3	4600	6.9	4.0	< 0.8	109	20	6	< 10	3	20
T13098	20	167	75	0.7	14900	84900	< 30	< 20	5270	16	143	98	1000	29.7	6750	11.0	4.5	4.8	168	47	14	< 10	2	20
T13099	20	115	< 60.0	< 0.2	15100	116000	< 30	< 20	4780	8	83	64	640	20.8	5010	5.3	3.3	2.2	106	22	5	< 10	2	10
T13100	20	113	< 60.0	0.3	12900	76200	< 30	< 20	4060	6	89	62	670	22.1	4900	4.9	4.0	1.0	93.9	42	5	< 10	< 2	20
T13101	10	147	77	< 0.2	11400	87500	< 30	< 20	4550	14	103	74	780	19.7	5810	6.7	4.6	1.7	118	68	7	< 10	2	< 10
T13102	20	197	62	0.3	11500	86000	< 30	< 20	4810	14	161	95	1120	29.7	6690	9.3	5.8	2.2	171	96	14	< 10	5	20
T13103	10	172	80	< 0.2	8700	54200	< 30	< 20	4520	10	115	89	1110	45.2	5970	8.5	3.9	4.0	136	4	10	< 10	4	20
T13104	20	145	67	0.4	8500	64900	< 30	< 20	4300	11	112	94	910	42.2	5690	8.4	3.7	3.4	135	23	12	< 10	2	20
T13105	20	121	68	< 0.2	7700	62500	< 30	< 20	3860	6	93	78	760	44.1	5390	6.2	3.0	2.7	129	50	6	< 10	2	< 10
T13106	20	77	< 60.0	0.2	7000	70000	< 30	< 20	4120	6	54	46	620	32.4	4610	3.7	1.0	2.2	90.0	< 1	7	< 10	< 2	10
T13107	10	125	73	0.2	7000	67100	< 30	< 20	4800	5	87	74	960	30.1	4640	6.2	2.4	2.2	108	19	7	< 10	3	< 10
T13108	20	137	63	0.2	6400	83800	< 30	< 20	5880	10	94	68	900	27.5	5030	6.5	4.4	2.5	118	52	8	< 10	3	20
T13109	20	107	< 60.0	0.6	5800	48900	< 30	< 20	4430	8	80	75	740	33.0	4820	4.2	2.9	2.0	114	43	5	< 10	2	10
T13110	20	121	< 60.0	0.2	6400	46000	< 30	< 20	4340	9	94	103	900	34.4	5270	5.0	3.6	1.5	136	43	8	< 10	3	10
T13111	10	113	< 60.0	< 0.2	5100	61700	< 30	< 20	4380	9	81	70	820	17.1	4450	5.2	2.2	1.5	99.0	58	7	< 10	3	< 10
T13112	10	125	< 60.0	0.3	6000	56400	< 30	< 20	3850	10	88	150	750	16.5	4810	4.7	2.6	1.2	113	47	6	< 10	2	< 10
T13113	20	149	< 60.0	< 0.2	8300	61500	< 30	< 20	4760	13	103	92	990	23.4	5650	6.6	3.4	2.0	142	28	9	< 10	2	10
T13114	20	94	< 60.0	< 0.2	10200	49500	< 30	< 20	3700	5	64	75	750	20.8	4860	4.4	2.7	1.5	110	66	3	< 10	< 2	10
T13115	20	164	< 60.0	0.3	11700	72300	< 30	< 20	4220	14	110	87	910	20.8	4920	8.3	4.1	2.9	158	35	11	< 10	3	20
T13116	10	109	< 60.0	0.3	9700	56200	< 30	< 20	3250	7	75	56	620	12.8	4390	5.0	3.1	2.0	113	4	6	< 10	3	10
T13117	20	96	< 60.0	< 0.2	9500	47500	< 30	< 20	4250	5	50	56	680	21.4	4670	4.5	2.4	2.0	84.7	73	5	< 10	2	< 10
T13118	30	111	< 60.0	0.4	10700	75000	< 30	< 20	4330	11	90	65	820	13.7	4500	5.4	4.1	2.7	91.7	25	8	< 10	2	< 10
T13119	20	206	63	0.3	14100	61900	< 30	< 20	5270	13	165	98	920	17.0	5550	10.6	5.6	3.9	160	52	12	< 10	4	20
T13120	30	150	< 60.0	< 0.2	11900	57600	< 30	< 20	4340	9	114	70	780	16.1	5330	6.6	4.5	3.4	120	40	9	< 10	3	20
T13121	20	127	< 60.0	0.4	8200	69900	< 30	< 20	4470	12	89	68	770	47.1	4840	6.1	2.8	2.9	105	19	7	< 10	< 2	< 10
T13122	20	86	< 60.0	< 0.2	6000	58800	< 30	< 20	3930	9	97	69	580	102	5410	4.1	2.4	1.2	71.7	11	6	< 10	2	< 10
T13123	20	123	< 60.0	< 0.2	7500	45300	< 30	< 20	4460	15	96	90	600	68.9	5180	7.7	2.7	3.0	106	24	9	< 10	2	10
T13124	20	96	< 60.0	0.6	8500	45200	< 30	< 20	4440	12	80	108	520	63.6	5460	4.6	2.5	1.7	85.8	< 1	6	< 10	< 2	< 10
T13125	30	94	< 60.0	< 0.2	10000	82200	< 30	< 20	3990	30	67	97	470	60.6	4960	4.2	5.6	1.2	89.4	26	5	< 10	3	< 10
T13126	20	66	< 60.0	0.3	8800	67400	< 30	< 20	3700	10	48	62	390	25.7	4930	2.3	1.7	1.0	59.0	51	5	< 10	< 2	< 10
T13127	30	85	< 60.0	0.6	11600	92200	< 30	< 20	4040	12	69	52	430	22.4	5460	5.1	2.6	< 0.8	70.9	20	5	< 10	< 2	< 10
T13128	20	122	< 60.0	0.3	9900	82500	< 30	< 20	4110	6	83	64	720	26.5	5470	5.9	3.4	2.0	97.1	10	7	< 10	2	10
T13129	30	100	< 60.0	< 0.2	10200	66200	< 30	< 20	4070	6	68	50	550	21.9	4380	3.7	2.2	3.7	60.7	71	5	< 10	< 2	10
T13130	30	109	< 60.0	< 0.2	7500	61900	< 30	< 20	3910	8	72	55	620	19.7	4500	5.5	3.4	< 0.8	94.1	15	6	< 10	< 2	< 10
T13131	20	175	< 60.0	< 0.2	6900	101000	< 30	< 20	3940	16	120	85	760	21.4	6180	8.6	4.3	2.7	130	49	11	< 10	3	10
T13132	30	191	< 60.0	0.3	9300	110000	< 30	< 20	5530	11	137	97	990	18.3	5510	8.7	3.8	4.2	146	55	14	< 10	4	10
T13133	30	136	< 60.0	0.2	8100	94100	< 30	< 20	5260	9	115	73	1010	13.3	5210	7.7	5.0	4.0	112	51	9	< 10	2	< 10
T13134	20	93	< 60.0	< 0.2	8400	68200	< 30	< 20	3760	14	65	50	910	9.6	4580	2.7	1.9	2.7	86.2	16	6	< 10	< 2	< 10
T13135	30	191	< 60.0	< 0.2	6500	100000	< 30	< 20	4530	11	150	84	1070	14.8	5280	8.4	5.6	3.7	146	70	14	< 10	3	20
T13136	20	164	< 60.0	< 0.2	6400	87700	< 30	< 20	4120	14	118	77	950	16.9	4970	6.3	3.4	2.5	125	29	10	< 10	3	10
T13137	20	110	< 60.0	< 0.2	7900	62900	< 30	< 20	3870	12	85	68	800	12.3	4940	5.4	3.4	3.9	90.2	41	8	< 10	< 2	10
T13138	20	95	< 60.0	< 0.2	8900	65500	< 30	< 20	3840	13	68	55	570	13.6	4180	5.0	2.8	1.5	83.5	20	5	< 10	2	< 10
T13139	30	113	< 60.0	1.5	7600	66900	< 30	< 20	4410	8	93	69	630	15.9	4700	6.1	2.9	2.5	91.8	58	8	< 10	< 2	10
T13140	30	120	< 60.0	0.5	6100	52000	< 30	< 20	3980	10	83	67	710	15.7	4740	5.7	3.7	1.5	97.2	30	7	< 10	< 2	10
T13141	20	156	< 60.0	< 0.2	6300	80000	< 30	< 20	3930	11	112	75	880	23.6	5020	8.3	3.6	2.2	120	22	10	< 10	2	10
T13142	20	145	< 60.0	< 0.2	7700	113000	< 30	< 20	4530	9	117	72	880	42.9	5490	8.9	3.4	3.2	114	< 1	10	< 10	2	10
T13143	20	81	< 60.0	0.2	5400	43100	< 30	< 20	2470	7	49	37	630	16.5	3460	3.2	1.5	1.2	65.1	12	5	< 10	< 2	< 10
T13144	30	101	< 60.0	< 0.2	6400	69200	< 30	< 20	4240	6	79	65	750	21.3	4360	4.7	2.9	2.5	86.7	21	7	< 10	< 2	< 10
T13145	30	92	< 60.0	< 0.2	5500	62400	< 30	< 20	2760	11	58	157	540	21.6	4340	3.8	2.1	1.7	68.0	12	5	< 10	< 2	< 10
T13146	30	73	< 60.0	< 0.2	4800	66600	< 30	< 20	3060	13	43	178	470	19.2	4110	2.5	1.4	2.2	53.0	24	4	< 10	< 2	< 10

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Analyte Symbol	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Hg
Unit Symbol	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
Detection Limit	10	1	60.0	0.2	400	5	30	20	0.3	4	2	2	40	0.2	90	0.2	0.2	0.8	0.002	t	2	10	2	10
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
T13147	50	88	< 60.0	< 0.2	5700	108000	< 30	< 20	3350	13	55	312	450	22.8	5450	3.8	1.6	< 0.8	57.9	56	3	< 10	< 2	< 10
T13148	20	51	< 60.0	< 0.2	5600	111000	< 30	< 20	2880	7	32	153	280	42.9	4080	1.7	1.1	1.0	41.7	14	2	< 10	< 2	< 10
T13149	40	117	< 60.0	< 0.2	8300	154000	< 30	< 20	3880	16	85	268	470	45.7	6540	5.3	2.1	2.2	84.8	19	8	< 10	< 2	10
T13150	30	70	< 60.0	< 0.2	5400	101000	< 30	< 20	2480	17	51	177	290	20.2	4440	2.8	2.0	< 0.8	51.8	7	5	< 10	< 2	< 10
T13152	20	58	< 60.0	< 0.2	5300	97400	< 30	< 20	2240	8	39	87	240	18.9	2960	2.3	0.9	1.5	42.9	41	2	< 10	< 2	< 10
T13153	20	78	91	0.4	6200	98000	< 30	< 20	3270	18	54	108	260	19.4	4840	3.0	2.0	< 0.8	57.8	17	4	< 10	< 2	10
T13154	40	80	< 60.0	< 0.2	6700	89000	< 30	< 20	3810	28	49	101	390	12.7	5810	3.1	1.0	1.5	59.9	24	5	< 10	< 2	< 10
T13155	40	92	< 60.0	5.4	6700	114000	< 30	< 20	3860	29	66	142	410	13.0	4870	4.9	1.8	2.2	68.9	45	5	< 10	3	< 10
T13156	30	45	< 60.0	0.3	7800	111000	< 30	< 20	3230	18	28	123	250	13.2	4680	1.6	0.7	< 0.8	36.7	3	3	< 10	< 2	< 10
T13157	10	51	< 60.0	< 0.2	6600	129000	< 30	< 20	3370	16	30	112	240	13.6	4410	1.3	1.2	2.2	51.1	13	3	< 10	< 2	10
T13158	30	59	< 60.0	< 0.2	7000	85500	< 30	< 20	3300	16	36	106	340	17.3	4810	2.2	1.5	2.0	47.2	30	4	< 10	< 2	< 10
T13159	40	67	< 60.0	< 0.2	7300	92300	< 30	< 20	3710	18	43	114	240	19.0	5280	3.1	1.8	< 0.8	48.4	1	4	< 10	< 2	10
T13160	30	42	< 60.0	< 0.2	7800	64300	< 30	< 20	3070	8	26	86	180	29.3	3920	1.7	0.8	< 0.8	32.8	14	< 2	< 10	< 2	< 10
T13161	30	51	< 60.0	< 0.2	7600	103000	< 30	< 20	3090	11	35	91	190	27.0	4540	1.8	1.0	1.0	39.6	7	3	< 10	< 2	< 10
T13162	20	64	< 60.0	< 0.2	7100	75200	< 30	< 20	3140	24	35	125	260	17.8	4780	3.0	1.2	< 0.8	44.1	13	4	< 10	< 2	< 10
T13163	30	81	< 60.0	< 0.2	9700	97000	< 30	< 20	3260	21	44	102	310	12.5	4880	3.0	1.6	1.7	59.8	40	5	< 10	< 2	20
T13164	30	54	< 60.0	< 0.2	10000	133000	< 30	< 20	3810	12	35	70	220	18.8	4920	2.9	1.3	2.0	45.5	8	4	< 10	< 2	10
T13165	20	15	< 60.0	< 0.2	5100	115000	< 30	< 20	1950	9	14	43	110	17.5	3070	0.6	0.3	< 0.8	24.8	10	< 2	< 10	< 2	10
T13166	30	58	< 60.0	< 0.2	6900	108000	< 30	< 20	3030	7	31	63	190	35.0	4860	2.4	0.8	1.5	42.1	9	3	< 10	< 2	< 10
T13167	40	58	< 60.0	< 0.2	7100	171000	< 30	< 20	3840	10	36	59	220	39.2	4920	2.2	1.5	1.7	46.8	< 1	4	< 10	< 2	10
T13168	40	79	< 60.0	< 0.2	5900	112000	< 30	< 20	3420	13	55	60	240	28.3	4900	3.7	1.8	1.7	59.9	43	6	< 10	< 2	< 10
T13169	50	89	< 60.0	< 0.2	7700	140000	< 30	< 20	3900	15	64	58	270	23.4	5360	3.9	2.9	1.5	70.3	22	5	< 10	< 2	30
T13170	70	93	< 60.0	< 0.2	6600	125000	< 30	< 20	3290	13	67	57	230	18.5	4750	4.6	1.9	1.7	71.8	27	7	< 10	< 2	10
T13171	30	83	< 60.0	< 0.2	5900	147000	< 30	< 20	3250	13	76	154	240	38.8	6100	5.2	2.0	2.9	66.5	4	7	< 10	< 2	10
T13172	30	63	< 60.0	< 0.2	4300	110000	< 30	< 20	2820	10	48	157	240	20.5	4900	2.8	1.8	1.7	47.4	23	3	< 10	< 2	< 10
T13173	20	68	< 60.0	< 0.2	4100	83900	< 30	< 20	2810	13	37	213	270	18.9	5080	3.5	1.0	1.0	50.8	30	3	< 10	< 2	< 10
T13174	20	89	< 60.0	< 0.2	7800	60500	< 30	< 20	4270	20	64	116	390	35.9	5160	5.2	1.9	1.5	69.9	38	4	< 10	< 2	10
T13175	20	91	< 60.0	< 0.2	8600	48000	< 30	< 20	3910	19	78	67	450	31.6	4490	3.9	2.6	2.5	73.0	32	4	< 10	< 2	10
T13176	20	177	< 60.0	< 0.2	11000	60900	< 30	< 20	4530	30	156	87	820	28.8	5830	10.1	6.2	4.2	138	58	13	< 10	3	20
T13177	10	112	< 60.0	0.3	7200	40900	< 30	< 20	4600	14	86	56	720	17.1	3730	6.2	3.2	2.5	88.5	41	9	< 10	2	10
T13178	20	128	< 60.0	< 0.2	7500	46300	< 30	< 20	4140	10	100	63	590	18.3	4570	7.5	2.5	2.5	90.8	42	9	< 10	3	< 10
T13179	20	143	< 60.0	< 0.2	8000	48000	< 30	< 20	5320	17	111	66	850	17.7	4640	8.1	5.2	1.7	114	6	8	< 10	2	20
T13180	20	196	< 60.0	0.6	7200	48500	< 30	< 20	4840	13	146	77	950	18.2	4390	9.4	4.2	3.7	143	43	10	< 10	4	10
T13181	30	186	81	< 0.2	9600	86100	< 30	< 20	5590	19	152	94	1010	16.4	4900	8.7	4.2	3.7	141	42	12	< 10	3	10
T13182	20	199	< 60.0	< 0.2	9100	65000	< 30	< 20	5000	15	153	86	1170	27.0	5110	10.3	4.8	2.7	152	23	13	< 10	4	20
T13183	30	140	< 60.0	< 0.2	8900	66000	< 30	< 20	4710	14	107	77	860	20.4	4030	8.4	3.4	1.2	118	22	8	< 10	3	20
T13184	20	194	< 60.0	< 0.2	9800	109000	< 30	< 20	4510	20	141	111	1050	34.6	5390	11.9	5.9	2.9	147	48	11	< 10	12	20
T13185	20	139	< 60.0	0.2	9600	80500	< 30	< 20	3410	13	100	91	790	55.2	5220	6.6	4.5	3.0	134	63	10	< 10	3	10
T13186	20	140	77	0.3	7700	60200	< 30	< 20	3280	11	96	70	820	38.7	5120	7.1	3.9	2.5	110	48	8	< 10	3	20
T13187	30	154	< 60.0	1.0	10000	72400	< 30	< 20	3970	13	108	83	830	30.0	5760	8.5	5.2	4.2	124	19	10	< 10	< 2	10
T13188	30	159	< 60.0	< 0.2	9700	78300	< 30	< 20	4990	14	111	86	780	28.8	6120	7.3	3.7	2.7	118	30	6	< 10	3	20
T13189	30	151	< 60.0	< 0.2	8600	69000	< 30	< 20	5390	13	126	85	720	45.7	5700	6.9	6.0	4.2	114	14	10	< 10	3	20
T13190	30	147	< 60.0	< 0.2	8000	66700	< 30	< 20	5260	20	112	78	890	52.2	5020	6.2	3.5	2.0	119	29	8	< 10	3	10
T13191	40	279	86	0.3	9800	99800	< 30	< 20	5750	25	211	125	1200	33.8	6190	13.9	9.3	7.4	205	73	19	< 10	10	30
T13192	40	113	< 60.0	< 0.2	11600	96800	< 30	< 20	4560	12	73	68	900	17.4	5370	4.8	2.4	2.7	95.1	26	8	< 10	< 2	10
T13193	30	117	< 60.0	< 0.2	10400	78300	< 30	< 20	3810	13	76	73	710	14.9	4560	5.0	3.1	3.0	94.7	32	7	< 10	3	30
T13194	20	207	111	< 0.2	8500	96900	< 30	< 20	4680	18	145	105	800	28.2	5730	10.9	5.3	3.5	152	30	12	< 10	4	30
T13195	30	110	< 60.0	< 0.2	6900	83200	< 30	< 20	3100	10	94	66	750	27.2	5000	4.6	2.5	2.5	88.2	7	7	< 10	< 2	20
T13196	40	99	< 60.0	< 0.2	7400	81100	< 30	< 20	2960	13	82	65	670	14.4	3400	4.2	2.5	3.2	83.0	4	7	< 10	2	< 10
T13197	40	165	< 60.0	< 0.2	8300	109000	< 30	< 20	4170	19	121	84	790	14.7	4010	7.7	3.5	2.2	129	44	10	< 10	3	10
T13198	30	147	< 60.0	< 0.2	6500	73000	< 30	< 20	3200	16	101	100	870	14.6	5380	6.8	3.7	2.5	111	74	7	< 10	2	10
T13199	30	187	< 60.0	0.3	6800	94400	< 30	< 20	3210	12	130	132	1020	30.5	5800	7.1	4.3	3.9	122	48	9	< 10	2	20

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Analyte Symbol	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Hg
Unit Symbol	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
Detection Limit	10	1	60.0	0.2	400	5	30	20	0.3	4	2	2	40	0.2	90	0.2	0.2	0.8	0.002	1	2	10	2	10
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
T13200	30	42	< 60.0	< 0.2	4500	67100	< 30	< 20	2100	10	27	137	240	18.0	3100	1.7	0.5	1.0	31.6	14	< 2	< 10	< 2	< 10
T13201	30	58	< 60.0	0.2	4800	121000	< 30	< 20	2680	17	39	178	330	19.9	3620	3.0	0.9	1.7	64.3	13	5	< 10	< 2	< 10
T13202	20	77	< 60.0	< 0.2	4100	109000	< 30	< 20	2490	15	67	258	420	15.3	4300	4.2	1.8	< 0.8	55.9	< 1	4	< 10	< 2	< 10
T13203	10	70	< 60.0	< 0.2	4700	97500	< 30	< 20	2800	24	52	211	370	17.3	3940	4.3	1.3	1.7	113	18	4	< 10	< 2	< 10
T13204	20	43	< 60.0	< 0.2	4700	57500	< 30	< 20	2180	10	26	139	240	27.6	3730	1.2	0.9	1.0	33.0	13	3	< 10	< 2	< 10
T13205	20	42	< 60.0	< 0.2	4700	85800	< 30	< 20	2330	9	26	95	210	18.5	3230	2.2	1.0	2.0	34.1	20	3	< 10	< 2	< 10
T13206	20	81	< 60.0	< 0.2	4300	96600	< 30	< 20	2490	18	54	104	370	18.4	4310	3.5	2.4	1.2	87.8	28	5	< 10	< 2	< 10
T13207	30	56	< 60.0	< 0.2	4000	82600	< 30	< 20	2790	14	37	135	250	20.2	4020	2.3	1.4	1.5	42.6	< 1	3	10	< 2	< 10
T13208	30	55	< 60.0	< 0.2	3700	62800	< 30	< 20	3130	17	34	135	270	92.7	4630	2.5	1.9	1.7	45.1	7	5	< 10	< 2	< 10
T13209	20	49	< 60.0	0.3	4400	120000	< 30	< 20	3110	14	116	118	160	47.3	3980	3.6	1.5	2.4	38.8	< 1	6	< 10	< 2	10
T13210	20	92	< 60.0	0.5	6700	73000	< 30	< 20	3700	12	65	170	220	29.6	5810	2.2	1.7	3.2	67.4	27	7	< 10	< 2	10
T13211	20	58	< 60.0	0.2	5600	83500	< 30	< 20	3680	14	37	284	190	48.8	4110	2.8	1.4	< 0.8	42.4	18	3	< 10	< 2	< 10
T13212	30	38	< 60.0	0.3	5100	101000	< 30	< 20	3160	13	20	221	140	23.7	4030	0.9	0.8	< 0.8	30.6	21	2	< 10	< 2	< 10
T13213	60	60	< 60.0	0.3	4300	113000	< 30	< 20	2950	20	49	414	180	33.8	4180	2.7	1.6	1.9	43.7	< 1	6	< 10	< 2	10
T13214	30	45	< 60.0	0.3	4000	105000	< 30	< 20	2430	10	36	270	140	29.5	4360	1.6	0.9	< 0.8	38.0	3	2	< 10	< 2	< 10
T13215	40	102	< 60.0	0.8	5300	136000	< 30	< 20	3270	18	81	279	240	40.8	5170	5.9	2.4	1.6	71.4	34	7	< 10	< 2	10
T13216	20	42	< 60.0	0.4	5000	133000	< 30	< 20	2880	8	62	191	190	20.4	4180	1.6	1.5	2.2	43.7	< 1	5	< 10	< 2	< 10
T13217	10	31	< 60.0	0.3	5000	89000	< 30	< 20	2910	10	23	112	100	27.6	4140	1.7	0.2	< 0.8	25.6	3	2	< 10	< 2	< 10
T13218	30	74	< 60.0	< 0.2	5000	72600	< 30	< 20	3220	14	57	133	310	45.3	5910	2.6	1.8	1.6	61.5	25	7	< 10	< 2	20
T13219	30	68	< 60.0	0.5	6000	112000	< 30	< 20	3260	16	44	111	210	36.5	4850	3.3	1.7	< 0.8	49.9	26	4	< 10	< 2	< 10
T13220	20	133	< 60.0	< 0.2	5800	104000	< 30	< 20	3260	16	49	166	360	13.7	4240	3.3	2.5	1.8	48.7	19	5	< 10	< 2	< 10
T13221	20	52	< 60.0	0.4	8300	147000	< 30	< 20	4520	32	31	159	170	20.8	4810	2.6	1.1	< 0.8	43.2	26	4	< 10	< 2	< 10
T13222	30	52	< 60.0	0.4	8400	106000	< 30	< 20	3060	21	37	120	200	28.3	5640	2.2	1.6	2.1	38.0	57	4	< 10	3	10
T13223	20	105	< 60.0	0.4	8200	60800	< 30	< 20	4620	18	88	90	320	19.2	5140	4.9	3.0	2.1	77.7	14	6	< 10	2	10
T13224	20	92	< 60.0	< 0.2	5300	75000	< 30	< 20	3200	12	60	161	480	17.0	4650	2.9	2.5	1.3	56.4	19	4	< 10	< 2	< 10
T13225	40	62	< 60.0	0.4	6700	126000	< 30	< 20	4290	12	42	166	350	30.7	4520	2.3	0.9	1.9	43.0	51	4	< 10	< 2	< 10
T13226	30	56	< 60.0	0.4	5900	120000	< 30	< 20	4290	23	35	237	330	13.2	4620	3.3	1.0	1.3	40.0	15	5	< 10	< 2	< 10
T13227	30	60	< 60.0	0.3	5800	110000	< 30	< 20	3550	19	34	219	310	9.3	5190	3.7	1.4	< 0.8	42.9	15	3	< 10	< 2	< 10
T13228	40	112	67	0.4	6700	157000	< 30	< 20	3770	34	109	189	380	58.4	6020	6.7	4.1	2.1	85.0	13	7	< 10	2	< 10
T13229	30	57	< 60.0	0.4	5900	110000	< 30	< 20	2880	18	42	186	500	31.0	5030	2.8	1.4	< 0.8	62.0	3	5	< 10	< 2	< 10
T13230	20	70	< 60.0	0.3	6400	139000	< 30	< 20	2960	18	41	217	280	24.6	5010	2.8	1.1	1.3	49.8	33	5	< 10	< 2	< 10
T13231	10	52	< 60.0	0.4	6300	132000	< 30	< 20	3240	10	30	128	240	18.5	4470	2.1	1.3	< 0.8	38.7	3	2	< 10	< 2	< 10
T13232	20	122	< 60.0	0.3	6800	104000	< 30	< 20	3720	17	82	206	450	23.7	5220	5.4	2.7	2.4	94.8	27	10	< 10	2	10
T13233	30	66	< 60.0	0.3	6400	164000	< 30	< 20	3280	16	52	174	270	25.7	4650	1.9	1.4	2.2	45.9	14	5	< 10	< 2	< 10
T13234	20	80	< 60.0	< 0.2	7400	126000	< 30	< 20	3180	14	56	214	320	53.3	4840	3.9	1.9	< 0.8	57.5	16	7	< 10	< 2	< 10
T13235	30	44	< 60.0	0.3	7000	95500	< 30	< 20	3110	9	22	123	180	22.4	5110	2.0	1.4	< 0.8	34.3	< 1	3	< 10	< 2	< 10
T13236	20	60	< 60.0	0.3	6900	127000	< 30	< 20	3300	11	39	148	240	9.9	4960	3.3	1.4	1.8	44.3	< 1	3	< 10	< 2	< 10
T13237	20	59	< 60.0	0.5	7200	133000	< 30	< 20	3130	21	32	174	260	41.8	4380	2.1	1.8	1.3	40.0	3	5	< 10	< 2	< 10
T13238	20	56	< 60.0	0.3	8400	110000	< 30	< 20	2890	16	34	222	240	50.5	4930	3.0	1.5	< 0.8	41.7	2	4	< 10	< 2	10
T13239	30	46	< 60.0	0.2	6700	103000	< 30	< 20	2890	11	30	104	200	48.7	3720	2.0	0.7	1.1	34.9	21	4	< 10	< 2	< 10
T13240	20	74	< 60.0	0.4	6000	112000	< 30	< 20	3410	26	46	213	270	31.8	4460	2.9	2.7	< 0.8	49.7	< 1	3	< 10	< 2	< 10
T13241	50	51	< 60.0	0.5	6600	107000	< 30	< 20	3660	26	34	170	220	24.9	4750	1.8	1.2	< 0.8	38.7	9	3	< 10	< 2	< 10
T13242	20	47	< 60.0	0.3	5400	81700	< 30	< 20	2610	15	22	149	140	44.1	3720	1.7	0.7	2.4	26.5	28	< 2	< 10	< 2	< 10
T13243	20	52	< 60.0	0.3	5600	102000	< 30	< 20	3000	15	32	178	200	60.2	4180	1.8	0.6	3.2	42.1	15	3	< 10	< 2	< 10
T13244	20	53	< 60.0	0.5	6400	152000	< 30	< 20	3200	13	37	177	310	39.3	4900	2.2	1.5	1.9	238	20	5	< 10	< 2	< 10
T13245	20	42	< 60.0	0.3	6200	104000	< 30	< 20	3340	17	27	163	200	61.9	4820	1.6	1.5	< 0.8	31.9	16	3	< 10	< 2	< 10
T13246	20	81	< 60.0	< 0.2	6400	100000	< 30	< 20	2910	14	57	121	320	24.1	5160	4.2	2.2	1.1	64.6	< 1	6	< 10	< 2	20
T13247	30	108	< 60.0	0.3	5900	91400	< 30	< 20	2670	29	69	264	380	26.4	5970	5.3	3.3	2.1	74.8	11	8	< 10	< 2	20
T13248	30	66	< 60.0	0.5	8100	101000	< 30	< 20	3130	18	36	68	290	9.4	4490	2.0	1.3	< 0.8	51.2	9	5	< 10	< 2	10
T13249	40	88	< 60.0	< 0.2	6600	132000	< 30	< 20	3380	28	58	123	260	19.9	5270	4.7	2.4	1.1	68.5	49	6	< 10	2	10
T13250	40	74	< 60.0	0.4	5700	128000	< 30	< 20	3190	17	56	154	200	23.7	5240	3.6	1.2	1.9	55.6	< 1	6	< 10	< 2	10
T13251	30	76	< 60.0	< 0.2	6000	114000	< 30	< 20	3360	21	57	178	240	44.4	5720	3.0	1							

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Analyte Symbol	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Hg
Unit Symbol	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
Detection Limit	10	1	60.0	0.2	400	5	30	20	0.3	4	2	2	40	0.2	90	0.2	0.2	0.8	0.002	1	2	10	2	10
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
T13252	30	66	< 60.0	0.3	5000	82000	< 30	< 20	3010	22	34	273	180	141	5650	2.0	1.4	1.1	47.8	33	4	< 10	< 2	< 10
T13253	30	59	< 60.0	0.4	3900	100000	< 30	< 20	2700	11	42	213	240	52.6	4230	3.4	1.3	0.8	41.8	8	4	< 10	< 2	< 10
T13254	30	77	< 60.0	0.3	8100	90500	< 30	< 20	3420	18	47	263	190	86.2	4440	3.5	1.6	0.8	56.0	2	6	< 10	< 2	10
T13255	30	54	< 60.0	0.3	5300	94500	< 30	< 20	2600	14	29	249	250	59.5	4220	1.6	1.4	2.4	38.7	21	3	< 10	< 2	10
T13256	40	47	< 60.0	0.3	5400	37800	< 30	< 20	2820	10	31	97	140	22.3	3600	2.2	1.4	< 0.8	38.8	15	2	< 10	< 2	< 10
T13257	20	78	< 60.0	0.4	5500	50900	< 30	< 20	2910	9	60	267	200	21.0	4940	4.5	2.6	1.6	58.6	19	6	< 10	< 2	10
T13258	20	97	< 60.0	0.2	5200	112000	< 30	< 20	3250	17	88	493	280	22.2	5050	5.6	2.2	1.9	65.5	12	7	< 10	< 2	20
T13259	40	100	< 60.0	0.3	4400	93100	< 30	< 20	3520	16	68	345	260	18.2	4850	4.6	2.1	1.3	71.8	40	6	< 10	< 2	20
T13260	30	66	< 60.0	0.3	5200	87000	< 30	< 20	3560	18	44	267	230	38.5	4480	3.7	1.3	1.3	47.0	32	5	< 10	< 2	< 10
T13261	30	56	< 60.0	< 0.2	5200	82800	< 30	< 20	2730	37	33	188	300	24.2	5900	3.2	1.0	1.3	43.6	28	3	< 10	< 2	< 10
T13262	50	121	61	0.3	5000	105000	< 30	< 20	3700	20	83	406	320	30.3	5780	6.4	2.4	2.4	82.4	28	6	< 10	< 2	20
T13263	70	64	< 60.0	0.4	5300	94600	< 30	< 20	3450	23	96	361	3540	38.7	6660	3.6	0.9	3.2	371	59	4	< 10	< 2	< 10
T13264	20	38	< 60.0	0.3	4800	91700	< 30	< 20	2900	9	26	177	150	18.9	3580	1.5	0.7	1.1	29.3	16	3	< 10	< 2	< 10
T13265	30	52	< 60.0	0.3	5000	85100	< 30	< 20	2840	13	45	162	140	29.5	4670	2.3	1.2	0.8	39.2	27	2	< 10	< 2	< 10
T13266	30	29	< 60.0	0.4	4100	64200	< 30	< 20	2420	7	17	145	140	20.7	3850	1.2	1.1	1.1	24.0	13	3	< 10	< 2	< 10
T13267	20	23	< 60.0	0.6	6700	83100	< 30	< 20	2880	5	19	168	110	30.0	4520	1.7	0.8	1.4	22.4	12	4	< 10	< 2	< 10
T13268	20	47	< 60.0	0.3	4500	104000	< 30	< 20	2560	10	31	200	150	47.4	4820	1.4	0.8	0.8	34.5	< 1	3	< 10	< 2	< 10
T13269	30	42	< 60.0	< 0.2	3900	98900	< 30	< 20	2560	15	17	226	160	27.3	4680	1.4	0.8	1.4	26.7	34	4	< 10	< 2	10
T13270	30	92	< 60.0	< 0.2	4300	121000	< 30	< 20	3160	17	55	310	330	27.7	5360	2.9	1.6	2.9	60.4	16	6	< 10	4	20
T13271	20	40	< 60.0	0.2	3900	100000	< 30	< 20	2860	12	39	224	160	21.1	4760	1.5	0.9	< 0.8	29.3	10	3	< 10	< 2	10
T13272	50	93	< 60.0	< 0.2	6000	151000	< 30	< 20	3690	18	54	307	270	40.4	5980	3.4	1.7	1.1	83.0	64	6	< 10	< 2	10
T13273	20	55	< 60.0	< 0.2	6700	144000	< 30	< 20	3370	18	35	155	170	48.3	4690	1.7	1.4	< 0.8	43.2	23	4	10	< 2	< 10
T13274	30	57	< 60.0	< 0.2	7800	124000	< 30	< 20	3200	16	32	183	190	35.1	4860	2.3	1.4	1.4	42.7	11	4	< 10	< 2	10
T13275	30	92	< 60.0	0.5	5000	185000	< 30	< 20	4650	13	70	291	270	32.2	5820	3.2	1.9	1.1	65.5	21	6	< 10	< 2	10
T13276	40	47	< 60.0	< 0.2	4300	120000	< 30	< 20	3550	20	27	114	200	23.9	4070	2.2	1.3	2.6	38.7	11	4	< 10	< 2	10
T13277	40	70	< 60.0	0.3	5500	167000	< 30	< 20	4150	18	43	182	210	29.2	4870	2.7	1.1	3.4	48.0	24	4	< 10	< 2	10
T13278	30	85	< 60.0	< 0.2	6500	102000	< 30	< 20	3720	12	53	196	250	23.7	4560	3.1	1.6	1.4	57.9	22	4	< 10	< 2	10
T13279	20	56	< 60.0	0.2	5500	126000	< 30	< 20	3340	18	44	185	190	44.6	5240	3.7	1.8	2.0	47.5	11	5	< 10	< 2	< 10
T13280	30	78	< 60.0	< 0.2	5300	126000	< 30	< 20	3440	11	38	222	260	40.1	5060	3.0	1.7	1.7	58.0	23	4	< 10	3	< 10
T13281	40	79	< 60.0	< 0.2	7200	147000	< 30	< 20	3160	18	54	330	220	17.0	6610	3.3	2.3	1.7	68.6	28	7	< 10	< 2	< 10
T13282	30	59	< 60.0	0.5	8100	125000	< 30	< 20	3070	9	49	275	200	28.3	5120	2.5	0.8	1.4	42.4	45	6	< 10	< 2	< 10
T13283	30	73	< 60.0	< 0.2	6700	132000	< 30	< 20	3420	12	46	210	300	29.2	5160	2.7	1.5	1.7	56.6	88	6	< 10	< 2	< 10
T13284	< 10	52	< 60.0	< 0.2	6200	79100	< 30	< 20	2780	14	30	148	220	17.4	4480	2.2	1.6	< 0.8	41.5	19	3	< 10	< 2	< 10
T13285	30	64	< 60.0	0.3	7800	98900	< 30	< 20	3540	14	45	176	210	19.0	5060	3.2	1.1	2.0	45.4	24	5	< 10	< 2	20
T13286	30	65	< 60.0	< 0.2	6400	97000	< 30	< 20	3310	14	33	163	310	20.4	4370	2.3	0.8	2.9	56.2	11	3	< 10	< 2	10
T13287	30	78	< 60.0	0.2	5500	128000	< 30	< 20	3870	15	40	188	260	17.2	6040	3.5	2.9	< 0.8	55.2	37	4	< 10	< 2	10
T13288	30	73	< 60.0	< 0.2	5000	106000	< 30	< 20	2880	13	44	289	220	11.2	5370	3.2	1.7	1.7	52.0	51	5	< 10	< 2	10
T13289	40	42	< 60.0	< 0.2	6400	111000	< 30	< 20	3430	9	35	94	210	180	4180	2.2	0.8	1.7	35.9	26	3	< 10	< 2	< 10
T13290	40	45	< 60.0	< 0.2	7400	106000	< 30	< 20	3690	8	28	75	270	218	4210	2.5	1.1	< 0.8	38.2	< 1	3	< 10	< 2	< 10
T13291	30	43	< 60.0	< 0.2	7900	100000	< 30	< 20	3530	6	28	76	170	91.4	5430	1.2	0.9	< 0.8	35.8	25	3	< 10	< 2	10
T13292	20	40	< 60.0	0.2	10700	113000	< 30	< 20	3660	6	33	89	170	132	5650	1.9	0.8	< 0.8	36.1	19	5	< 10	< 2	10
T13293	30	56	< 60.0	< 0.2	8800	115000	< 30	< 20	3820	5	33	109	190	123	4300	3.3	0.8	< 0.8	45.7	40	4	< 10	< 2	< 10
T13294	10	61	< 60.0	0.2	7100	120000	< 30	< 20	3490	10	48	66	180	67.2	4270	2.1	1.6	< 0.8	47.5	31	4	< 10	< 2	10
T13295	30	83	< 60.0	< 0.2	7500	85600	< 30	< 20	3230	7	54	76	300	49.7	4400	3.1	2.7	2.5	69.5	7	6	< 10	< 2	< 10
T13296	20	78	< 60.0	< 0.2	7200	52700	< 30	< 20	3150	10	54	68	300	28.6	4010	4.3	3.2	1.4	62.7	43	5	< 10	< 2	10
T13297	40	84	< 60.0	< 0.2	7700	75700	< 30	< 20	4620	13	63	71	330	45.6	4350	3.9	2.2	2.0	78.5	15	4	< 10	< 2	10
T13298	40	92	< 60.0	0.2	7600	122000	< 30	< 20	4470	9	67	60	380	39.0	4710	4.0	3.7	1.4	78.6	6	5	< 10	2	10
T13299	20	64	< 60.0	0.3	11700	86600	< 30	< 20	3360	11	44	60	360	25.9	3860	3.6	2.2	0.9	55.2	37	5	< 10	2	< 10
T13300	20	75	< 60.0	< 0.2	8300	88500	< 30	< 20	3990	9	49	65	360	28.3	3960	3.9	2.3	3.1	60.9	15	5	< 10	< 2	10
T13301	20	53	< 60.0	< 0.2	8800	57800	< 30	< 20	2930	< 4	218	42	240	36.6	5010	1.9	1.6	1.7	45.8	10	2	< 10	< 2	10
T13302	40	104	< 60.0	< 0.2	7500	82800	< 30	< 20	3710	11	74	75	410	82.1	5410	5.2	2.7	2.8	80.2	< 1	6	< 10	2	10
T13303	30	110	< 60.0	0.3	6400	63500	< 30	< 20	3690	10	93	81	460	81.8	4370	6.2	2.3	1.7	86.9	19	7	< 10	3	20

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Analyte Symbol	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Hg	
Unit Symbol	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	
Detection Limit	10	1	60.0	0.2	400	5	30	20	0.3	4	2	2	40	0.2	90	0.2	0.2	0.8	0.002	1	2	10	2	10	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	
T13304	40	112	< 60.0	< 0.2	8500	77800	< 30	< 20	4040	15	79	88	520	44.1	4690	5.7	2.2	2.0	87.6	42	7	< 10	2	20	
T13305	30	104	< 60.0	< 0.2	7000	87000	< 30	< 20	4090	14	62	85	620	48.6	5300	3.7	2.5	2.9	87.7	15	7	< 10	2	< 10	
T13306	50	99	< 60.0	0.5	6500	86900	< 30	< 20	3770	15	77	74	500	113	4670	4.6	2.9	1.7	78.3	12	6	< 10	4	10	
T13307	50	83	< 60.0	0.3	6800	87100	< 30	< 20	4170	12	61	65	380	138	5260	3.5	2.1	1.7	67.5	29	4	< 10	< 2	20	
T13308	40	43	< 60.0	0.2	6500	67300	< 30	< 20	3220	7	31	50	220	124	4710	2.9	1.1	0.9	39.5	39	3	< 10	< 2	< 10	
T13309	40	105	< 60.0	< 0.2	7000	105000	< 30	< 20	4680	12	70	78	500	147	5710	4.0	1.9	3.1	89.3	43	7	< 10	2	10	
T13310	40	93	< 60.0	< 0.2	7100	101000	< 30	< 20	4250	12	69	152	320	232	5520	4.4	2.8	2.8	75.5	36	7	< 10	< 2	10	
T13311	60	132	< 60.0	0.2	7400	127000	< 30	< 20	5240	20	107	137	460	174	7190	7.0	3.5	2.0	100	31	8	< 10	2	10	
T13312	60	122	< 60.0	< 0.2	7400	122000	< 30	< 20	4900	17	89	126	580	159	6640	6.9	2.2	2.8	92.8	56	12	< 10	2	10	
T13313	20	57	< 60.0	< 0.2	6400	92000	< 30	< 20	3880	12	60	68	280	175	4960	3.2	1.6	3.4	49.0	15	5	< 10	< 2	< 10	
T13314	50	59	< 60.0	0.3	6600	89100	< 30	< 20	3990	15	40	110	280	222	4570	1.9	1.4	2.0	44.8	10	3	< 10	< 2	< 10	
T13315	30	46	< 60.0	0.3	7600	147000	< 30	< 20	3790	12	27	93	220	268	4300	1.6	0.4	0.8	39.6	12	4	< 10	< 2	10	
T13316	30	24	< 60.0	< 0.2	5400	95300	< 30	< 20	2510	12	13	71	110	258	3380	0.9	0.9	< 0.8	24.5	40	2	< 10	< 2	< 10	
T13317	30	32	< 60.0	< 0.2	4800	117000	< 30	< 20	3290	12	21	128	110	310	4280	1.1	1.4	2.8	1.4	28.1	41	3	< 10	< 2	< 10
T13318	40	37	< 60.0	< 0.2	7800	122000	< 30	< 20	3170	16	26	107	130	264	4800	1.2	1.5	1.4	32.2	< 1	3	< 10	< 2	< 10	
T13319	30	46	< 60.0	0.3	6400	83600	< 30	< 20	3070	5	34	68	160	89.9	4170	2.0	1.1	< 0.8	37.5	11	4	< 10	< 2	< 10	
T13320	10	54	< 60.0	0.3	7200	56900	< 30	< 20	2910	8	46	68	240	38.2	3870	2.1	1.5	1.3	60.8	13	4	< 10	< 2	< 10	
T13321	10	41	< 60.0	0.3	7800	55300	< 30	< 20	2650	4	38	63	2610	34.5	3690	2.7	0.7	1.5	56.3	< 1	4	< 10	< 2	< 10	
T13322	20	49	< 60.0	0.6	8400	50000	< 30	< 20	2830	4	37	67	280	28.5	3560	2.7	1.5	< 0.8	45.9	< 1	3	< 10	< 2	< 10	
T13323	20	80	< 60.0	< 0.2	7600	77200	< 30	< 20	3510	12	50	61	330	19.3	3480	3.8	2.8	1.7	67.6	11	4	< 10	< 2	< 10	
T13324	40	129	68	0.7	8800	166000	< 30	< 20	4440	18	100	73	530	34.3	4210	5.7	3.4	2.1	105	23	10	< 10	< 2	10	
T13325	40	140	< 60.0	< 0.2	7400	95100	< 30	< 20	5150	19	97	78	600	29.0	4560	6.5	3.9	2.3	120	26	9	< 10	2	20	
T13326	30	75	< 60.0	0.6	7300	45100	< 30	< 20	2970	11	56	72	490	16.6	4150	2.8	2.1	1.5	67.8	3	5	< 10	2	10	
T13327	20	74	< 60.0	0.3	7400	83500	< 30	< 20	3970	9	53	60	440	13.5	4310	2.6	1.9	0.8	77.0	7	5	< 10	< 2	< 10	
T13328	10	83	< 60.0	0.3	5900	41600	< 30	< 20	3100	29	50	87	480	24.7	5390	4.0	2.5	< 0.8	82.9	16	4	< 10	2	< 10	
T13329	20	121	< 60.0	0.3	7300	74800	< 30	< 20	4650	31	60	127	610	74.6	5510	4.6	2.4	1.3	106	12	6	< 10	2	10	
T13330	20	69	< 60.0	< 0.2	7400	58400	< 30	< 20	3940	19	51	67	490	59.5	5480	2.6	1.8	1.0	71.8	< 1	5	< 10	< 2	< 10	
T13331	20	60	< 60.0	0.3	7400	66800	< 30	< 20	4830	14	47	62	360	40.3	4790	2.4	1.1	1.9	58.4	< 1	5	< 10	< 2	10	
T13332	30	66	< 60.0	0.3	7100	99000	< 30	< 20	4150	10	37	67	360	50.9	4630	3.5	2.1	1.0	72.9	< 1	4	< 10	< 2	< 10	
T13333	30	62	< 60.0	0.3	6700	103000	< 30	< 20	3790	15	54	78	440	37.7	5210	3.4	1.5	1.7	87.0	23	4	< 10	< 2	< 10	
T13334	30	51	< 60.0	< 0.2	7000	99300	< 30	< 20	3280	14	32	94	300	39.1	4830	2.1	1.1	1.1	51.5	1	3	< 10	< 2	< 10	
T13335	40	78	< 60.0	0.2	6900	78000	< 30	< 20	3230	9	63	76	310	26.3	4230	3.5	2.0	2.7	73.1	6	4	< 10	< 2	10	
T13336	50	66	< 60.0	< 0.2	6900	79200	< 30	< 20	3240	13	53	57	310	37.2	3940	3.6	2.0	0.8	58.4	12	6	< 10	< 2	10	
T13337	50	146	< 60.0	1.1	7700	110000	< 30	< 20	4270	16	108	81	530	36.5	4700	6.5	4.1	2.1	122	25	8	< 10	3	20	
T13338	60	127	< 60.0	0.4	6700	107000	< 30	< 20	4920	21	92	63	630	24.5	4320	6.7	3.9	3.6	143	17	8	< 10	3	10	
T13339	20	87	< 60.0	0.5	6200	60200	< 30	< 20	3480	12	60	55	490	44.9	4110	3.7	2.8	1.5	89.1	< 1	7	< 10	2	< 10	
T13340	20	46	< 60.0	0.4	6600	38400	< 30	< 20	3140	5	36	33	400	74.6	3060	2.2	1.7	1.3	48.0	9	3	< 10	< 2	< 10	
T13341	10	45	< 60.0	< 0.2	5800	40500	< 30	< 20	2830	21	40	36	330	69.3	3830	1.5	1.0	< 0.8	52.8	< 1	3	< 10	< 2	< 10	
T13342	80	43	< 60.0	< 0.2	6600	48900	< 30	< 20	3180	16	35	44	320	47.9	3810	2.3	1.0	1.7	57.2	< 1	4	< 10	< 2	< 10	
T13343	20	80	< 60.0	0.4	6200	71600	< 30	< 20	4000	17	61	52	520	30.9	4620	4.8	2.3	1.1	143	14	5	< 10	2	< 10	
T13344	20	128	< 60.0	< 0.2	7900	92400	< 30	< 20	4980	18	88	62	670	23.5	5770	6.2	3.5	2.7	116	60	9	< 10	< 2	< 10	
T13345	30	94	< 60.0	0.3	6900	101000	< 30	< 20	5380	16	65	54	650	25.1	4660	4.5	3.0	1.5	89.7	33	7	< 10	< 2	10	
T13346	20	73	< 60.0	0.2	6000	115000	< 30	< 20	4330	11	64	57	600	28.2	4940	4.2	2.0	1.5	84.9	26	5	< 10	< 2	< 10	
T13347	10	59	< 60.0	0.4	5500	86800	< 30	< 20	5180	15	47	44	750	20.2	3870	3.2	1.4	2.3	90.2	28	5	< 10	< 2	< 10	
T13348	30	85	< 60.0	0.2	7800	75700	< 30	< 20	4370	16	62	55	750	15.9	4390	4.5	1.6	3.1	125	78	5	< 10	< 2	10	
T13349	20	75	< 60.0	< 0.2	6400	76900	< 30	< 20	3170	16	54	61	600	20.6	5040	3.3	2.3	1.0	73.0	3	7	< 10	< 2	< 10	
T13350	20	95	< 60.0	< 0.2	7100	94200	< 30	< 20	3670	13	83	79	680	26.0	5510	5.8	2.4	1.0	92.2	70	9	< 10	< 2	< 10	
T13351	50	106	< 60.0	0.4	7400	115000	< 30	< 20	5130	12	76	66	640	12.5	5430	4.7	3.1	2.1	90.3	44	7	< 10	15	< 10	
T13352	40	123	< 60.0	< 0.2	8100	54400	< 30	< 20	3190	30	92	86	840	16.3	5020	5.8	3.8	2.9	111	42	8	< 10	2	< 10	
T13353	30	131	< 60.0	0.3	6400	76000	< 30	< 20	3690	13	124	71	840	15.3	5170	6.6	3.7	2.3	137	34	11	< 10	3	10	
T13354	20	76	< 60.0	< 0.2	7000	58900	< 30	< 20	3360	11	47	55	570	14.0	4220	3.7	1.6	1.7	74.2	12	6	< 10	2	< 10	
T13355	20	96	< 60.0	0.3	7200	89000	< 30	< 20	3970	10	65	61	600	28.7	4420	4.3	3.1	1.3	85.5	41	7	< 10	< 2	10	

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Analyte Symbol	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Hg
Unit Symbol	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
Detection Limit	10	1	60.0	0.2	400	5	30	20	0.3	4	2	2	40	0.2	90	0.2	0.2	0.8	0.002	1	2	10	2	10
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
T13356	20	69	< 60.0	0.2	8200	69800	< 30	< 20	4080	6	54	45	480	24.0	3540	3.9	1.2	3.3	67.3	19	5	< 10	< 2	< 10
T13357	20	64	< 60.0	0.2	5200	76300	< 30	< 20	4020	8	41	45	420	18.9	4810	2.7	1.8	< 0.8	61.7	23	5	< 10	< 2	10
T13358	20	76	< 60.0	0.9	4900	125000	< 30	< 20	4080	12	49	68	480	21.8	4670	3.7	2.6	2.3	64.5	18	5	< 10	< 2	< 10
T13359	30	52	< 60.0	0.3	5300	118000	< 30	< 20	3310	6	49	48	370	33.4	4260	2.2	1.3	1.9	111	< 1	5	< 10	< 2	< 10
T13360	40	60	< 60.0	0.3	6200	106000	< 30	< 20	3950	8	41	44	350	23.3	3840	2.3	1.7	1.5	65.0	4	5	< 10	< 2	< 10
T13361	30	76	< 60.0	0.4	6900	96500	< 30	< 20	4040	6	54	46	540	23.7	4200	3.0	1.3	1.9	71.5	34	8	< 10	< 2	< 10
T13362	90	55	< 60.0	< 0.2	8900	78700	< 30	< 20	3980	27	41	43	360	26.5	4520	3.3	1.3	2.1	67.5	1	6	< 10	< 2	< 10
T13363	30	35	< 60.0	< 0.2	7400	124000	< 30	< 20	3040	7	31	33	230	25.2	4090	2.4	0.6	< 0.8	44.5	< 1	5	< 10	< 2	< 10
T13364	20	32	< 60.0	0.2	7300	73400	< 30	< 20	3060	14	18	28	160	26.5	3170	1.5	0.8	0.8	44.3	< 1	3	< 10	< 2	< 10
T13365	40	38	< 60.0	0.2	8200	105000	< 30	< 20	3280	14	32	27	140	28.4	3220	2.1	1.2	1.9	37.2	5	5	< 10	< 2	< 10
T13366	30	67	< 60.0	0.3	7500	76000	< 30	< 20	3370	9	40	38	160	20.0	3940	2.4	1.9	0.8	48.0	< 1	5	< 10	< 2	< 10
T13367	30	32	< 60.0	< 0.2	7900	59100	< 30	< 20	3160	9	19	56	170	37.8	4880	0.8	0.5	0.8	31.7	13	2	< 10	< 2	< 10
T13368	40	51	< 60.0	< 0.2	6500	80400	< 30	< 20	3610	12	31	129	210	85.3	5650	2.3	0.5	< 0.8	39.9	5	4	< 10	< 2	< 10
T13369	50	120	< 60.0	0.2	7900	154000	< 30	< 20	5140	17	79	143	430	31.9	7130	5.5	3.9	3.3	94.0	24	9	< 10	< 2	10
T13370	50	88	< 60.0	0.3	6600	123000	< 30	< 20	4130	10	60	93	390	16.8	5170	4.8	2.4	2.7	75.2	15	8	< 10	< 2	< 10
T13371	40	80	< 60.0	0.3	7300	144000	< 30	< 20	3500	10	57	94	320	25.3	5060	3.2	2.2	1.0	66.3	15	7	< 10	< 2	10
T13372	30	65	< 60.0	0.2	6600	116000	< 30	< 20	3780	16	38	84	320	17.2	4950	3.3	1.5	1.5	55.6	< 1	8	< 10	< 2	< 10
T13373	20	72	< 60.0	< 0.2	6500	96900	< 30	< 20	3410	16	44	70	260	20.7	4510	2.5	1.7	1.5	61.8	19	4	< 10	< 2	10
T13374	20	57	< 60.0	< 0.2	6400	106000	< 30	< 20	3990	15	50	91	260	29.0	4760	2.6	1.3	< 0.8	52.7	< 1	6	< 10	< 2	< 10
T13375	40	56	< 60.0	0.4	7100	97200	< 30	< 20	3650	12	39	110	210	95.2	4940	2.8	1.5	< 0.8	43.9	21	4	< 10	< 2	10
T13376	60	54	< 60.0	0.3	8800	87300	< 30	< 20	3450	10	39	48	250	45.5	4050	1.8	1.3	< 0.8	45.5	9	3	< 10	< 2	10
T13377	60	69	< 60.0	< 0.2	9800	82400	< 30	< 20	4880	17	42	65	280	97.7	4370	3.0	1.4	1.1	59.5	< 1	4	< 10	< 2	< 10
T13378	80	91	< 60.0	0.4	11500	110000	< 30	< 20	5060	19	80	69	380	43.8	6060	4.5	1.3	1.8	79.8	51	6	< 10	< 2	10
T13379	100	96	< 60.0	0.4	8000	109000	< 30	< 20	4480	19	80	91	410	74.4	5200	3.4	1.7	1.6	192	32	5	< 10	< 2	10
T13380	70	83	< 60.0	0.2	11700	118000	< 30	< 20	3770	12	46	70	280	28.2	5090	3.6	2.2	< 0.8	107	21	7	< 10	< 2	< 10
T13381	40	82	< 60.0	< 0.2	6700	107000	< 30	< 20	3660	12	75	58	970	45.5	5370	3.1	2.3	0.9	161	55	7	< 10	< 2	10
T13382	30	91	< 60.0	< 0.2	9800	136000	< 30	< 20	5880	15	94	83	330	27.6	5710	3.6	2.0	1.6	100	9	6	< 10	2	10
T13383	70	95	< 60.0	< 0.2	11000	150000	< 30	< 20	3790	13	69	78	490	34.6	5070	3.5	1.9	2.3	167	23	6	< 10	5	20
T13384	60	91	< 60.0	< 0.2	10800	140000	< 30	< 20	3900	8	57	58	400	32.8	4800	4.3	2.3	4.1	93.8	4	8	< 10	< 2	10
T13385	30	106	< 60.0	< 0.2	10500	106000	< 30	< 20	4580	7	88	50	460	31.9	5150	4.3	2.6	1.8	87.1	35	6	< 10	< 2	< 10
T13386	30	91	< 60.0	0.4	12000	85200	< 30	< 20	4320	< 4	54	53	410	30.9	5330	3.7	1.9	< 0.8	79.0	15	6	< 10	2	10
T13387	50	153	< 60.0	0.3	11600	147000	< 30	< 20	5520	10	97	98	730	41.3	5280	8.3	3.8	3.4	177	54	10	< 10	2	20
T13388	40	124	< 60.0	< 0.2	9700	87900	< 30	< 20	5400	9	74	58	650	20.3	4650	4.8	2.5	3.8	140	31	9	< 10	2	10
T13389	70	161	< 60.0	< 0.2	8600	92100	< 30	< 20	6130	21	91	73	740	18.7	5040	5.7	3.4	1.6	152	25	9	< 10	3	20
T13390	50	212	< 60.0	< 0.2	9900	107000	< 30	< 20	6670	36	135	96	760	23.2	4730	6.7	4.0	3.4	161	38	13	10	4	20
T13391	30	77	< 60.0	< 0.2	13100	67900	< 30	< 20	4760	6	49	46	440	11.6	4720	4.7	0.9	< 0.8	86.2	32	6	< 10	< 2	< 10
T13392	30	72	< 60.0	< 0.2	10400	56700	< 30	< 20	4480	6	61	45	540	11.8	5270	3.0	1.8	1.8	77.3	20	4	< 10	< 2	< 10
T13393	40	89	< 60.0	< 0.2	10700	56400	< 30	< 20	4750	13	63	53	540	11.9	5230	3.7	2.8	< 0.8	86.1	11	6	< 10	< 2	10
T13394	40	168	< 60.0	< 0.2	10400	89500	< 30	< 20	5240	11	116	79	710	13.5	5130	8.4	4.8	2.9	132	44	12	< 10	5	20
T13395	20	161	< 60.0	0.3	14800	79800	< 30	< 20	6500	15	119	88	830	15.1	4600	6.0	4.5	2.0	144	71	7	< 10	3	10
T13396	20	139	< 60.0	< 0.2	12300	99900	< 30	< 20	6310	9	97	72	790	12.0	4390	5.0	2.1	2.7	137	25	8	< 10	3	< 10
T13397	20	154	< 60.0	0.2	10400	88200	< 30	< 20	5650	11	110	70	820	14.8	5160	7.1	4.6	3.4	151	65	11	< 10	3	20
T13398	20	207	< 60.0	0.3	9500	74300	< 30	< 20	6300	17	156	97	910	17.8	5850	10.2	5.7	4.3	171	29	13	< 10	4	10
T13399	30	143	< 60.0	0.2	11700	106000	< 30	< 20	5330	17	110	79	790	13.0	5610	7.4	4.2	3.7	159	69	12	< 10	2	20
T13400	30	98	< 60.0	< 0.2	11600	57500	< 30	< 20	5640	23	71	82	390	13.8	4240	4.9	2.3	0.9	94.8	14	6	< 10	< 2	20
T13401	30	56	< 60.0	0.3	9200	57100	< 30	< 20	3860	24	39	64	350	14.1	4730	2.3	0.9	2.0	86.2	21	4	< 10	< 2	< 10
T13402	30	58	< 60.0	< 0.2	10700	82300	< 30	< 20	4200	16	39	105	3540	11.8	5460	2.4	2.0	< 0.8	396	5	4	< 10	< 2	< 10
T13403	40	61	< 60.0	< 0.2	8800	134000	< 30	< 20	5700	21	40	67	290	13.2	4960	2.6	1.5	1.1	89.7	37	5	< 10	< 2	< 10
T13404	30	59	< 60.0	0.3	8600	89000	< 30	< 20	4530	15	44	82	370	8.2	5030	3.1	1.4	< 0.8	57.0	< 1	4	< 10	< 2	< 10
T13405	30	61	< 60.0	1.8	10900	47000	< 30	< 20	4560	8	44	70	480	7.5	5170	2.3	1.4	1.8	154	12	5	< 10	< 2	< 10
T13406	20	72	< 60.0	< 0.2	9200	57300	< 30	< 20	4020	15	52	79	420	12.7	4230	4.0	1.7	1.8	69.2	24	3	< 10	< 2	< 10
T13407	30	90	< 60.0	< 0.2	9000	60100	< 30	< 20	4130	8	57	51	510	12.3	3600	3.5	2.4	1.4	87.4	7	4	< 10	< 2	< 10

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Analyte Symbol	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Hg
Unit Symbol	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
Detection Limit	10	1	50.0	0.2	400	5	30	20	0.3	4	2	2	40	0.2	90	0.2	0.2	0.8	0.002	1	2	10	2	10
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
T13408	30	125	< 60.0	< 0.2	9900	90300	< 30	< 20	4650	15	81	71	630	14.1	4560	5.2	3.3	1.8	117	30	8	< 10	3	10
T13409	30	100	< 60.0	< 0.2	10500	68600	< 30	< 20	4630	14	72	53	580	13.1	4480	3.4	2.6	2.2	95.1	23	7	< 10	2	< 10
T13410	30	145	< 60.0	1.3	8400	87700	< 30	50	4970	38	94	73	500	15.2	5150	6.0	3.9	3.2	116	30	9	< 10	3	10
T13411	20	80	< 60.0	0.2	7000	73400	< 30	< 20	4550	8	52	47	400	22.5	4910	3.1	1.8	1.4	71.8	15	5	< 10	< 2	< 10
T13412	30	77	< 60.0	< 0.2	6700	79200	< 30	< 20	4770	9	46	41	440	20.1	3750	2.4	1.9	2.3	66.8	32	4	< 10	2	10
T13413	40	120	< 60.0	< 0.2	7200	112000	< 30	< 20	4980	12	79	60	530	31.5	4620	5.8	3.4	0.9	102	< 1	8	< 10	2	10
T13414	40	168	< 60.0	< 0.2	8200	171000	< 30	< 20	4310	12	106	80	540	41.9	5950	6.8	3.3	3.8	137	63	10	< 10	3	< 10
T13415	50	187	< 60.0	< 0.2	9700	186000	< 30	< 20	4890	20	154	92	540	37.8	6210	8.9	4.4	2.5	148	40	14	< 10	3	10
T13416	50	77	< 60.0	0.2	9400	146000	< 30	< 20	4300	16	51	54	320	34.5	4770	4.7	2.2	2.5	111	19	6	< 10	< 2	< 10
T13417	40	78	< 60.0	0.3	8200	132000	< 30	< 20	4150	6	48	56	300	46.1	5380	3.2	1.0	1.1	72.5	5	8	< 10	< 2	10
T13418	30	86	< 60.0	< 0.2	10800	112000	< 30	< 20	4360	14	102	114	270	52.7	5000	6.9	3.8	3.0	79.7	15	12	< 10	< 2	10
T13419	40	89	< 60.0	< 0.2	10400	125000	< 30	< 20	5550	11	57	65	220	63.8	5740	4.0	1.4	2.3	76.8	28	5	< 10	< 2	10
T13420	50	71	< 60.0	< 0.2	11000	119000	< 30	< 20	4240	9	40	59	230	70.3	5130	2.3	2.0	< 0.8	58.8	34	5	< 10	< 2	< 10
T13421	30	79	< 60.0	< 0.2	8600	137000	< 30	< 20	3540	12	45	71	230	47.0	5140	3.4	2.2	1.6	69.3	25	5	< 10	< 2	< 10
T13422	30	90	< 60.0	< 0.2	8300	115000	< 30	< 20	4610	19	55	102	260	69.0	5910	4.4	2.1	2.5	78.8	38	6	< 10	< 2	10
T13423	40	76	< 60.0	0.3	8000	110000	< 30	< 20	5220	19	51	201	240	38.4	5280	3.1	1.9	< 0.8	67.1	20	6	< 10	< 2	< 10
T13424	60	91	< 60.0	< 0.2	7700	110000	< 30	< 20	4540	18	62	149	290	31.9	5470	4.4	2.6	1.1	77.4	23	7	< 10	< 2	20
T13425	40	44	< 60.0	< 0.2	8000	71300	< 30	< 20	3710	9	46	41	210	39.6	3920	1.6	1.3	2.1	45.7	30	4	< 10	< 2	< 10
T13426	40	55	< 60.0	< 0.2	9200	68500	< 30	< 20	4440	8	43	43	220	16.4	3950	2.6	1.8	< 0.8	49.4	4	4	< 10	< 2	< 10
T13427	30	209	< 60.0	< 0.2	10200	152000	< 30	< 20	5500	15	145	92	570	23.9	6920	11.8	5.0	1.8	164	68	15	< 10	5	30
T13428	30	236	78	0.4	8600	91500	< 30	< 20	6110	18	156	99	690	34.5	6710	11.0	5.3	4.5	176	58	12	< 10	4	30
T13429	20	92	< 60.0	< 0.2	7800	60100	< 30	< 20	5250	< 4	50	49	470	23.1	4770	4.1	2.3	2.3	76.4	21	4	< 10	< 2	< 10
T13430	30	96	< 60.0	< 0.2	8100	60800	< 30	< 20	4400	8	60	51	460	17.8	4530	4.1	2.7	1.8	77.9	16	6	< 10	< 2	< 10
T13431	20	71	< 60.0	0.3	9200	46800	< 30	< 20	3820	17	41	61	440	34.1	4850	3.1	1.8	1.6	60.0	20	4	< 10	< 2	< 10
T13432	40	110	< 60.0	0.3	9500	69600	< 30	< 20	4420	13	76	75	400	29.9	5200	5.7	1.7	1.1	124	38	8	< 10	2	10
T13433	70	132	< 60.0	0.2	7700	104000	< 30	< 20	4370	11	122	90	520	23.4	4960	6.0	3.0	3.9	104	27	8	< 10	2	20
T13434	40	214	< 60.0	< 0.2	7800	135000	< 30	< 20	4760	20	144	98	770	21.3	5790	10.4	6.1	4.3	173	49	14	< 10	4	20
T13435	30	214	62	0.3	7500	128000	< 30	< 20	5530	16	148	98	1000	22.0	5540	9.6	4.9	4.7	166	52	12	< 10	4	30
T13436	20	284	75	< 0.2	9800	96900	< 30	< 20	6020	19	201	115	1180	22.4	6650	13.6	7.2	4.8	217	50	18	< 10	5	30
T13437	30	119	< 60.0	< 0.2	9300	75100	< 30	< 20	4900	7	89	71	880	15.3	4240	5.3	3.0	1.1	103	33	8	< 10	< 2	10
T13438	20	129	< 60.0	< 0.2	7800	118000	< 30	< 20	6190	8	99	62	800	11.1	4800	7.3	2.7	2.2	110	53	9	< 10	2	20
T13439	20	160	< 60.0	< 0.2	9700	69200	< 30	< 20	4900	15	122	146	890	14.9	5340	8.5	3.3	3.7	132	80	12	< 10	2	20
T13440	30	122	< 60.0	< 0.2	10700	75100	< 30	< 20	4960	8	85	68	730	10.7	4170	4.2	3.2	1.6	101	42	6	< 10	2	30
T13441	40	103	< 60.0	< 0.2	8200	99900	< 30	< 20	5410	10	74	83	760	12.8	3910	4.2	2.9	2.0	88.0	27	7	< 10	2	10
T13442	40	113	< 60.0	< 0.2	8300	81300	< 30	< 20	4750	7	74	59	730	16.5	4250	6.2	3.2	1.6	93.2	63	7	< 10	< 2	< 10
T13443	40	89	< 60.0	< 0.2	10000	107000	< 30	< 20	5460	12	75	61	490	15.3	4760	4.4	1.9	2.3	75.0	2	4	< 10	< 2	< 10

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Analyte Symbol	Ho	In	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pd	Pr	Pl	Rb	Re	Sb	Se	Sm	Sn
Unit Symbol	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.2	1	0.06	3	20	0.2	0.6	20	1	0.4	2	1	3	0.3	20	7	5	4	20	1	4	30	0.2	100
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
N292759	0.8	< 1	3240	72	80	0.4	792	660000	134	25.2	78	66	1440	957	310	< 7	17	< 4	2920	< 1	10	110	11.6	< 100
N292760	0.4	< 1	3890	33	60	0.2	892	734000	149	21.7	44	29	1240	1030	150	< 7	7	< 4	3170	< 1	10	< 30	5.1	< 100
N292761	0.6	< 1	3210	27	70	< 0.2	696	748000	99	21.0	63	22	1160	974	130	< 7	11	< 4	2830	< 1	9	90	5.5	< 100
N292762	0.6	< 1	3060	28	80	< 0.2	668	517000	87	20.1	18	26	1900	974	150	< 7	8	< 4	2890	< 1	15	< 30	6.6	< 100
N292763	0.9	< 1	3880	33	70	0.2	717	429000	124	22.5	19	29	2260	1130	140	< 7	8	< 4	3850	< 1	20	50	5.5	< 100
N292764	0.8	< 1	4050	37	160	< 0.2	711	429000	103	24.2	57	28	2520	1130	180	< 7	8	< 4	3540	< 1	21	90	7.8	< 100
N292765	0.7	< 1	3430	30	180	0.3	732	407000	105	20.2	47	26	1380	1040	120	< 7	7	< 4	4120	< 1	17	< 30	5.2	< 100
N292766	0.8	< 1	2720	39	100	0.2	773	335000	102	18.0	10	24	1350	981	120	< 7	6	< 4	2740	< 1	18	50	4.2	< 100
N292767	0.8	< 1	2450	30	100	< 0.2	677	547000	111	37.5	18	29	1380	889	90	< 7	7	< 4	2340	< 1	< 4	80	6.2	< 100
N292768	0.6	< 1	3430	27	90	< 0.2	777	564000	134	17.9	22	28	1760	1040	150	< 7	6	< 4	3390	< 1	15	70	5.0	< 100
N292769	0.7	< 1	3900	36	130	0.2	1030	386000	131	23.6	14	51	2050	1170	120	< 7	8	< 4	3440	< 1	5	< 30	6.8	< 100
N292770	0.8	< 1	3660	29	130	0.2	1020	415000	119	23.3	12	26	1720	1080	130	< 7	7	< 4	2800	< 1	5	100	8.0	< 100
N292771	0.4	< 1	3880	22	70	< 0.2	773	455000	103	13.7	9	20	2690	1100	90	< 7	< 5	< 4	3380	< 1	< 4	40	4.7	< 100
N292772	1.0	< 1	3680	26	100	< 0.2	785	549000	162	17.4	12	23	1960	1200	80	< 7	5	< 4	3920	< 1	< 4	< 30	6.2	< 100
N292773	0.4	< 1	3730	18	80	< 0.2	949	431000	118	11.8	5	14	2410	1250	50	< 7	< 5	< 4	5450	< 1	< 4	50	2.7	< 100
N292774	0.6	< 1	4540	29	90	0.2	889	455000	123	16.7	13	27	1980	1220	110	< 7	6	< 4	8260	< 1	< 4	< 30	6.1	< 100
N292775	0.5	< 1	5170	22	90	< 0.2	1080	344000	94	17.1	21	23	3820	1510	70	< 7	5	< 4	13300	< 1	10	30	4.5	< 100
N292776	0.5	< 1	5020	30	110	< 0.2	980	359000	106	16.6	10	27	1620	1340	110	< 7	6	< 4	15900	< 1	< 4	100	5.5	< 100
N292777	0.4	< 1	3560	22	90	0.2	872	475000	86	14.6	8	18	1820	1170	80	< 7	< 5	< 4	11700	< 1	< 4	< 30	4.3	< 100
N292778	0.5	< 1	4400	26	60	< 0.2	1120	434000	138	15.3	17	19	2020	1320	90	< 7	5	< 4	9920	< 1	< 4	< 30	3.9	< 100
N292779	0.4	< 1	3750	15	60	< 0.2	996	464000	75	11.2	6	13	1290	1150	60	< 7	< 5	< 4	6610	< 1	< 4	< 30	3.2	< 100
N292780	0.9	< 1	3370	33	140	< 0.2	849	249000	66	23.3	17	31	675	818	110	< 7	8	< 4	4330	< 1	7	80	5.5	< 100
N292781	0.4	< 1	3450	18	140	0.3	692	218000	41	12.9	5	16	341	730	60	< 7	< 5	< 4	4340	< 1	< 4	< 30	2.7	< 100
N292782	1.1	< 1	2830	35	120	0.5	691	201000	80	25.5	17	30	663	702	100	< 7	8	< 4	3350	< 1	< 4	60	7.4	< 100
N292783	0.8	< 1	1760	24	80	0.2	309	118000	38	15.3	8	23	277	431	90	< 7	5	< 4	2050	< 1	< 4	50	4.2	< 100
N292784	1.2	< 1	2490	45	120	0.9	658	134000	64	31.2	13	41	421	751	150	< 7	12	< 4	2110	< 1	9	50	8.7	< 100
N292785	1.1	< 1	2540	42	120	< 0.2	586	156000	57	27.9	11	37	493	730	150	< 7	9	< 4	1840	< 1	8	100	6.6	< 100
N292786	1.7	< 1	2880	86	250	1.0	566	152000	89	48.0	19	66	604	822	190	< 7	18	< 4	2230	< 1	4	70	11.9	< 100
N292787	1.8	< 1	2930	81	160	0.5	662	291000	82	40.4	20	50	619	843	150	< 7	12	< 4	2830	< 1	< 4	80	9.2	< 100
N292788	0.6	< 1	2880	30	80	0.4	615	281000	59	20.1	9	24	459	780	90	< 7	6	< 4	2440	< 1	< 4	30	5.0	< 100
N292789	1.0	< 1	2500	40	210	0.5	586	266000	73	24.7	12	33	460	716	110	< 7	8	< 4	2400	< 1	13	70	7.6	< 100
N292790	0.6	< 1	2430	37	230	1.0	556	270000	80	22.9	9	29	483	755	130	< 7	9	< 4	2780	< 1	7	40	5.6	< 100
N292791	0.8	< 1	2560	34	170	< 0.2	541	297000	71	20.3	9	27	651	652	120	< 7	7	< 4	3140	< 1	5	90	7.1	< 100
N292792	1.0	< 1	2590	32	130	0.2	543	267000	78	21.7	14	31	581	760	150	< 7	8	< 4	2880	< 1	< 4	50	6.5	< 100
N292793	0.7	< 1	2740	31	160	0.5	715	264000	73	19.0	28	29	907	883	80	< 7	8	< 4	2860	< 1	< 4	70	6.0	< 100
N292794	0.6	< 1	2440	25	100	0.6	570	259000	59	19.0	8	24	684	710	90	< 7	6	< 4	2750	< 1	< 4	40	5.3	< 100
N292795	0.9	< 1	2370	35	140	0.2	581	236000	69	26.2	11	36	549	637	120	< 7	9	< 4	2930	< 1	< 4	60	7.0	< 100
N292796	0.7	< 1	2430	30	100	1.1	580	215000	74	20.2	26	28	563	731	100	< 7	7	< 4	3110	< 1	21	40	6.4	< 100
N292797	0.7	< 1	2610	23	70	< 0.2	608	207000	82	16.8	7	19	543	779	80	< 7	< 5	< 4	2890	< 1	< 4	50	4.8	< 100
N292798	0.7	< 1	3120	26	70	0.6	748	297000	76	18.9	9	23	831	869	90	< 7	6	< 4	4290	< 1	< 4	60	5.0	< 100
N292799	0.3	< 1	3020	18	60	< 0.2	615	304000	215	12.5	6	20	945	956	100	< 7	< 5	< 4	2870	< 1	< 4	90	3.6	< 100
N292800	0.5	< 1	3610	32	90	0.2	703	454000	199	22.2	13	23	1160	1100	120	< 7	7	< 4	3170	< 1	< 4	< 30	7.1	< 100
N292801	0.5	< 1	3360	11	50	0.2	471	293000	228	10.5	8	9	1160	896	60	< 7	< 5	< 4	3050	< 1	< 4	100	2.5	< 100
N292802	0.5	< 1	2950	37	50	0.5	558	338000	210	16.9	6	24	980	909	60	< 7	7	< 4	3340	< 1	< 4	30	6.8	< 100
N292803	0.4	< 1	3410	21	40	< 0.2	620	325000	144	16.9	5	21	1090	1090	60	< 7	5	< 4	4080	< 1	6	< 30	2.7	< 100
N292804	< 0.2	< 1	3360	17	50	0.6	683	433000	170	14.0	4	14	1800	1120	60	< 7	< 5	< 4	4880	< 1	44	50	2.4	< 100
N292805	0.4	< 1	3690	18	40	< 0.2	794	602000	163	14.0	5	16	2330	1140	70	< 7	< 5	< 4	5340	< 1	< 4	90	3.8	< 100
N292806	0.5	< 1	2860	23	50	0.2	580	606000	132	17.0	7	15	1800	902	100	< 7	< 5	< 4	3590	< 1	< 4	70	4.4	< 100
N292807	0.3	< 1	3750	19	50	< 0.2	685	434000	201	13.0	6	14	1440	1290	70	< 7	< 5	< 4	3760	< 1	< 4	40	3.9	< 100
N292808	0.4	< 1	3570	13	50	0.4	740	478000	119	9.4	3	10	886	1200	40	< 7	< 5	< 4	4090	< 1	< 4	50	2.3	< 100
N292809	0.5	< 1	3090	13	30	< 0.2	774	432000	109	10.5	4	12	830	1180	70	< 7	< 5	< 4	2540	< 1	7	< 30	2.0	< 100
N292810	0.4	< 1	4180	12	30	< 0.2	751	555000	267	8.6	4	11	722	1260	50	< 7	< 5	< 4	2750	< 1	6	< 30	2.6	< 100

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Analyte Symbol	Hf	In	K	La	U	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb	Re	Sb	Se	Sm	Sr
Unit Symbol	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.2	1	0.06	3	20	0.2	0.6	20	1	0.4	2	1	3	0.3	20	7	5	4	20	1	4	30	0.2	100
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
N292811	0.2	<1	4030	9	30	0.3	702	526000	338	7.8	3	7	694	1250	50	<7	<5	<4	2570	<1	<4	<30	2.7	<100
N292812	0.5	<1	3550	17	50	<0.2	784	601000	178	36.7	4	14	1070	1250	50	<7	<5	<4	2440	<1	9	50	1.7	<100
N292813	0.5	<1	4520	19	80	<0.2	867	519000	159	14.1	5	19	1450	1360	60	<7	<5	<4	2480	<1	14	<30	5.4	<100
N292814	0.3	<1	3680	18	80	0.3	878	451000	99	11.2	4	16	894	1190	60	<7	<5	<4	2340	<1	<4	<30	4.5	<100
N292815	0.3	<1	3580	15	50	<0.2	661	424000	98	10.6	5	11	805	1080	50	<7	<5	<4	2090	<1	<4	<30	2.6	<100
N292816	0.4	<1	3910	17	50	0.3	782	354000	75	11.3	5	17	1200	1300	40	<7	<5	<4	2200	<1	<4	<30	3.1	<100
N292817	0.5	<1	3550	11	60	<0.2	679	393000	98	11.2	4	10	749	1130	40	<7	<5	<4	2690	<1	<4	<30	3.0	<100
N292818	0.8	<1	3380	24	120	<0.2	865	330000	116	17.6	7	22	2000	1300	100	<7	6	<4	2360	<1	<4	<30	5.9	<100
N292819	0.5	<1	3510	23	120	<0.2	720	196000	126	15.6	5	21	1260	1160	60	<7	<5	<4	2670	<1	<4	<30	4.0	<100
N292820	0.7	<1	3310	36	140	<0.2	963	248000	80	19.5	7	38	827	1130	80	<7	8	<4	3530	<1	7	<30	7.8	<100
N292821	0.5	<1	3280	25	80	0.3	752	256000	140	16.6	10	19	874	1040	60	<7	6	<4	4670	<1	<4	<30	3.1	<100
N292822	0.3	<1	2930	19	50	0.3	656	226000	95	12.6	6	18	677	1010	100	<7	<5	<4	4770	<1	<4	<30	4.2	<100
N292823	0.9	<1	3850	32	90	0.8	809	404000	127	25.8	9	28	930	1250	110	<7	7	<4	6260	<1	<4	40	4.7	<100
N292824	0.8	<1	2880	39	90	<0.2	560	369000	73	31.1	10	31	870	829	130	<7	8	4	5240	<1	<4	<30	5.9	<100
N292825	0.8	<1	3490	51	230	<0.2	732	290000	85	29.2	10	37	1060	1090	140	<7	10	<4	5560	<1	7	<30	10.3	<100
N292826	0.7	<1	3240	28	160	<0.2	637	245000	72	22.9	9	25	771	951	110	<7	6	<4	4790	<1	<4	50	7.2	<100
N292827	0.7	<1	2850	29	150	<0.2	575	131000	84	19.7	9	30	428	873	100	<7	7	<4	3080	<1	<4	<30	5.0	<100
N292828	0.9	<1	2740	29	270	0.3	574	116000	72	21.3	8	30	385	793	80	<7	7	<4	1980	<1	<4	50	6.2	<100
N292829	0.7	<1	2800	27	110	<0.2	803	93800	118	17.3	7	21	264	849	110	<7	6	4	2180	<1	<4	30	4.5	<100
N292830	1.0	<1	2660	41	270	0.4	834	122000	125	24.1	9	32	328	845	120	<7	9	4	2010	<1	15	<30	5.8	<100
N292831	0.4	<1	2720	20	60	<0.2	677	468000	62	15.9	5	21	558	905	60	<7	<5	<4	2900	<1	<4	<30	4.2	<100
N292832	0.4	<1	2840	29	50	0.4	751	473000	102	17.8	5	23	1440	1010	130	<7	6	<4	4490	<1	52	<30	5.3	<100
N292833	0.7	<1	3540	20	110	<0.2	709	686000	110	23.0	7	19	2470	1120	70	<7	<5	<4	4900	<1	9	<30	4.4	<100
N292834	0.5	<1	3430	16	130	<0.2	868	687000	94	14.2	4	15	2670	1150	70	<7	<5	<4	3140	<1	<4	50	5.1	<100
N292835	0.3	<1	4330	25	130	<0.2	908	547000	78	16.0	5	17	2320	1280	60	<7	6	<4	3130	<1	10	<30	4.3	<100
N292836	0.4	<1	3680	27	130	<0.2	692	848000	86	16.8	6	23	2320	1010	80	<7	6	<4	2620	<1	<4	<30	3.9	<100
N292837	0.6	<1	3360	29	80	0.3	778	716000	79	19.0	7	24	2690	1120	140	<7	6	<4	3500	<1	<4	<30	4.5	<100
N292838	0.9	<1	3170	34	150	<0.2	815	694000	97	21.0	7	32	3390	1100	90	<7	8	<4	2570	<1	5	<30	6.6	<100
N292839	0.4	<1	2730	23	150	<0.2	699	528000	68	16.5	5	22	2330	899	100	<7	5	<4	1710	<1	44	<30	4.1	<100
N292840	0.9	<1	2660	42	170	<0.2	581	454000	73	22.7	16	39	1910	844	130	<7	10	<4	1800	<1	42	<30	5.7	<100
N292841	0.5	<1	3420	23	200	0.3	580	508000	87	15.9	6	23	1070	821	90	<7	5	<4	3020	<1	10	50	4.9	<100
N292842	1.0	<1	3250	35	180	0.5	750	502000	79	22.8	9	35	1470	952	100	<7	9	<4	3740	<1	21	40	7.1	<100
N292843	0.7	<1	3600	31	140	0.5	824	396000	60	17.7	5	25	1140	1040	80	<7	6	<4	4880	<1	<4	<30	5.4	<100
N292844	0.3	<1	3750	19	120	<0.2	941	372000	60	14.0	5	17	915	1250	60	<7	<5	<4	4260	<1	<4	<30	3.0	<100
N292845	0.8	<1	4070	34	110	0.3	859	272000	49	22.3	8	27	604	1340	90	<7	7	<4	5010	<1	<4	<30	8.2	<100
N292846	0.8	<1	4560	21	190	0.5	741	280000	60	19.1	6	22	1930	1260	80	<7	<5	<4	4080	<1	5	60	4.1	<100
N292847	0.3	<1	4190	13	70	<0.2	805	522000	100	12.0	4	12	2420	1240	60	<7	<5	<4	3440	<1	<4	<30	3.1	<100
N292848	0.2	<1	2750	17	60	<0.2	526	541000	106	10.2	7	14	1160	836	50	<7	<5	<4	2920	<1	<4	40	2.3	<100
N292849	0.5	<1	3530	19	60	<0.2	635	641000	60	11.3	4	17	929	961	50	<7	<5	<4	2770	<1	16	50	4.2	<100
N292850	0.4	<1	3410	18	70	<0.2	599	572000	43	13.0	6	14	833	882	60	<7	<5	<4	2460	<1	9	30	4.1	<100
N292851	0.7	<1	3280	28	70	<0.2	670	572000	96	16.6	7	27	998	998	90	<7	6	<4	2490	<1	14	<30	3.5	<100
N292852	0.5	<1	3350	19	40	<0.2	540	429000	60	12.6	4	17	703	908	40	<7	<5	<4	2220	<1	23	40	4.7	<100
N292853	0.9	<1	3290	25	60	<0.2	606	543000	52	19.0	8	20	813	967	70	<7	8	<4	2010	<1	10	40	4.3	<100
N292854	0.7	<1	3370	35	80	<0.2	692	465000	99	21.8	9	33	1100	1060	60	<7	9	<4	2490	<1	16	<30	5.6	<100
N292855	0.7	<1	3130	29	50	<0.2	593	526000	59	16.9	7	22	691	899	60	<7	6	<4	1690	<1	8	70	5.9	<100
N292856	0.6	<1	2780	15	70	<0.2	519	568000	46	13.2	5	14	1020	807	50	<7	<5	<4	2620	<1	46	<30	3.5	<100
N292857	0.9	<1	2830	35	120	<0.2	757	610000	99	21.4	8	27	2060	870	100	<7	6	<4	2380	<1	13	60	4.5	<100
N292858	0.6	<1	4560	28	100	0.3	817	687000	137	18.7	12	24	2570	1490	70	<7	8	<4	3800	<1	9	80	3.9	<100
N292859	0.6	<1	3730	23	110	0.3	732	672000	85	16.6	7	22	2280	1080	90	<7	5	<4	3390	<1	9	80	3.1	<100
N292860	0.5	<1	3660	16	70	<0.2	728	595000	120	12.4	4	13	1620	1110	80	<7	<5	4	3020	<1	13	50	2.5	<100
N292861	0.3	<1	3060	57	60	<0.2	721	672000	68	11.3	4	17	1220	927	50	<7	<5	<4	2330	<1	<4	40	3.0	<100
N292862	0.7	<1	3080	34	80	<0.2	781	604000	73	17.3	6	26	1150	885	80	<7	6	4	2530	<1	<4	50	5.0	<100

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Analyte Symbol	Ho	In	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb	Re	Sb	Se	Sm	Sr
Unit Symbol	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.2	1	0.08	3	20	0.2	0.8	20	1	0.4	2	1	3	0.3	20	7	5	4	20	1	4	30	0.2	100
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
T13043	0.6	<1	2420	23	80	0.7	471	137000	360	16.6	7	17	297	890	60	<7	<5	<4	3480	<1	<4	80	3.7	<100
T13044	0.7	<1	2080	30	140	0.3	492	186000	348	20.9	9	21	342	831	60	<7	7	<4	3080	<1	<4	90	7.7	<100
T13045	0.6	<1	2500	36	310	0.4	550	248000	383	25.4	15	34	367	895	80	<7	7	<4	3010	<1	<4	30	5.6	<100
T13046	0.6	<1	2140	34	230	0.5	488	228000	222	23.0	9	34	315	721	70	<7	7	<4	2530	<1	<4	100	5.9	<100
T13047	1.2	<1	2190	49	140	0.4	502	311000	146	28.3	11	38	361	613	120	<7	10	<4	2850	<1	<4	100	7.9	<100
T13048	1.4	<1	2280	43	110	1.8	555	538000	113	28.4	12	36	391	611	100	<7	11	<4	2740	<1	<4	70	8.9	<100
T13049	1.0	<1	2180	39	170	0.4	553	420000	117	28.7	9	37	430	612	100	<7	9	<4	2360	<1	<4	90	8.3	<100
T13050	1.5	<1	2470	44	430	0.8	632	304000	135	29.0	13	40	395	652	120	<7	11	<4	2510	<1	<4	100	8.2	<100
T13051	0.8	<1	2310	29	420	0.4	546	241000	121	23.1	9	32	336	571	80	<7	7	<4	2250	<1	<4	90	6.1	<100
T13052	1.2	<1	2590	55	340	0.7	738	277000	135	35.9	14	50	449	764	120	<7	13	<4	2540	<1	<4	50	14.0	<100
T13053	1.4	<1	2810	55	360	0.7	699	317000	195	39.0	15	52	628	861	130	<7	13	<4	3260	<1	<4	90	8.6	<100
T13054	1.8	<1	2530	55	350	0.5	630	302000	164	36.2	15	49	467	684	120	<7	13	<4	2610	<1	<4	<30	11.8	<100
T13055	1.0	<1	2280	47	250	1.1	653	261000	93	33.0	13	44	443	597	130	<7	11	<4	2300	<1	<4	40	11.5	<100
T13056	1.4	<1	1540	59	120	0.7	495	297000	68	32.8	14	51	428	362	100	<7	14	<4	1430	<1	<4	50	9.8	<100
T13057	1.8	<1	2550	72	140	0.4	773	533000	93	38.0	16	51	597	564	110	<7	12	<4	2140	<1	<4	90	11.6	<100
T13058	2.2	<1	2150	75	140	0.7	675	451000	103	50.5	22	71	648	563	190	<7	17	<4	2160	<1	<4	80	14.6	<100
T13059	1.8	<1	2250	75	240	0.7	783	830000	98	45.5	19	74	564	601	140	<7	18	<4	2040	<1	<4	90	12.0	<100
T13060	1.8	<1	2180	77	150	0.7	860	484000	88	51.9	28	67	643	562	140	<7	18	<4	2010	<1	<4	70	14.7	<100
T13061	1.6	<1	2250	57	120	0.4	664	456000	97	34.1	13	49	471	549	110	<7	13	<4	2090	<1	<4	80	9.3	<100
T13062	0.8	<1	1950	45	170	0.5	545	393000	59	22.6	10	40	394	451	70	<7	10	<4	1720	<1	<4	40	10.0	<100
T13063	1.6	<1	2330	49	290	0.5	641	323000	65	31.1	13	44	423	578	140	<7	11	<4	1960	<1	<4	120	8.0	<100
T13064	1.4	<1	2620	55	190	0.9	666	357000	95	37.2	15	48	460	566	260	<7	12	<4	2770	<1	<4	70	9.1	<100
T13065	1.0	<1	2500	41	170	<0.2	723	449000	61	27.8	10	36	455	615	100	<7	8	<4	2720	<1	<4	60	7.0	<100
T13066	0.9	<1	2260	36	210	0.9	733	486000	56	21.4	10	31	288	593	70	<7	9	<4	2660	<1	<4	80	7.5	<100
T13067	0.7	<1	2480	64	160	0.7	662	400000	115	84.3	10	30	334	794	80	<7	7	<4	3080	<1	<4	80	8.7	<100
T13068	1.5	<1	2240	56	200	1.5	651	388000	98	39.1	16	51	448	726	120	<7	13	<4	2440	<1	<4	60	10.2	<100
T13069	1.3	<1	1970	59	190	0.4	660	414000	111	38.6	17	49	530	633	130	<7	13	<4	1960	<1	<4	<30	11.7	<100
T13070	0.7	<1	4500	40	130	0.6	600	183000	104	23.3	10	30	348	730	70	<7	9	<4	6110	<1	<4	60	5.0	<100
T13071	0.9	40	3060	44	110	<0.2	532	195000	285	28.1	8	38	425	921	90	<7	8	<4	3790	<1	<4	50	7.0	<100
T13072	0.7	<1	2850	18	60	0.4	560	230000	128	15.1	8	15	296	899	50	<7	<5	<4	2820	<1	<4	40	4.1	<100
T13073	0.4	<1	2740	34	120	<0.2	570	168000	73	15.6	5	20	402	804	80	<7	<5	<4	2990	<1	<4	50	7.0	<100
T13074	0.4	<1	3080	36	100	0.5	572	204000	85	18.9	7	23	499	638	80	<7	6	<4	4330	<1	<4	70	5.1	<100
T13075	0.3	<1	2590	16	70	0.5	519	204000	58	11.3	4	16	547	749	70	<7	<5	<4	4590	<1	<4	40	1.9	<100
T13076	0.7	<1	3070	35	80	<0.2	704	289000	95	23.5	10	30	637	979	100	<7	7	<4	4350	<1	<4	70	6.7	<100
T13077	0.7	<1	2340	36	90	0.8	485	266000	80	22.6	8	33	654	677	90	<7	9	<4	3470	<1	<4	120	7.0	<100
T13078	0.8	<1	2380	39	70	0.4	508	138000	107	22.7	9	26	495	714	120	<7	6	<4	3230	<1	<4	50	5.2	<100
T13079	1.5	<1	2160	53	100	0.8	621	117000	104	34.8	13	44	499	762	150	<7	13	<4	2100	<1	<4	40	9.0	<100
T13080	1.0	<1	2700	44	80	0.8	624	168000	213	28.9	15	40	627	847	110	<7	10	<4	2900	<1	<4	50	8.8	<100
T13081	0.7	<1	2470	30	100	1.1	717	118000	206	20.4	9	29	969	947	80	<7	7	<4	2970	<1	<4	40	7.2	<100
T13082	0.9	<1	2440	39	140	0.4	630	121000	215	24.4	12	44	676	889	120	<7	10	<4	3170	<1	<4	80	8.8	<100
T13083	1.3	<1	2840	48	90	1.4	586	217000	195	28.7	14	41	560	677	120	<7	10	<4	2680	<1	<4	60	7.6	<100
T13084	1.2	<1	2280	42	130	1.1	558	247000	136	31.5	11	39	646	731	140	<7	10	<4	2670	<1	<4	60	7.6	<100
T13085	1.1	<1	2150	47	110	1.0	536	191000	258	29.3	13	43	581	773	130	<7	11	<4	2130	<1	<4	70	7.9	<100
T13086	1.1	<1	2280	49	110	0.9	506	237000	178	31.2	14	44	631	764	120	<7	11	<4	2600	<1	<4	40	9.0	<100
T13087	0.3	<1	2620	14	30	<0.2	609	120000	88	8.2	4	13	264	613	80	<7	<5	<4	5460	<1	<4	80	3.3	<100
T13088	0.6	<1	2090	23	50	0.7	598	179000	77	21.5	7	22	770	812	100	<7	<5	<4	5400	<1	<4	40	5.2	<100
T13089	1.0	<1	1960	33	110	<0.2	588	282000	89	32.6	11	34	564	727	160	<7	8	<4	4880	<1	<4	90	7.8	<100
T13090	1.0	<1	1910	33	90	<0.2	413	194000	100	22.1	10	29	338	604	100	<7	7	<4	2870	<1	<4	60	6.6	<100
T13091	1.2	<1	2440	51	90	0.8	470	203000	120	28.4	13	38	311	797	110	<7	12	<4	3380	<1	<4	100	10.9	<100
T13092	0.8	<1	2360	29	60	0.7	732	137000	82	24.4	9	29	362	781	100	<7	7	<4	3620	<1	<4	50	7.4	<100
T13093	0.4	<1	2170	24	60	<0.2	573	105000	48	17.0	7	22	280	712	80	<7	<5	<4	4110	<1	<4	90	2.9	<100
T13094	1.7	<1	1840	37	100	0.5	492	199000	44	23.7	9	32	318	601	150	<7	8	<4	2920	<1	<4	50	8.4	<100

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Analyte Symbol	Ho	In	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ne	P	Pb	Pd	Pr	Pl	Rb	Re	Sb	Se	Sm	Sn
Unit Symbol	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.2	1	0.06	3	20	0.2	0.6	20	1	0.4	2	1	3	0.3	20	7	5	4	20	1	4	30	0.2	100
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
T13085	1.3	<1	1940	50	70	0.7	419	247000	95	30.8	11	41	502	569	170	<7	11	<4	1630	<1	<4	100	10.8	<100
T13086	0.9	<1	1600	31	50	0.9	479	236000	47	20.4	9	32	424	506	100	<7	8	<4	1010	<1	<4	40	6.0	<100
T13097	1.4	<1	2500	43	90	0.3	629	299000	69	28.5	13	35	457	607	120	<7	10	<4	1330	<1	<4	90	9.0	<100
T13098	2.4	<1	2850	73	140	0.6	603	372000	96	43.5	19	68	642	886	260	<7	17	<4	1740	<1	<4	70	14.0	<100
T13099	1.6	<1	1890	44	340	<0.2	609	280000	69	26.8	13	38	451	520	150	<7	11	<4	1370	<1	<4	<30	8.6	<100
T13100	1.1	<1	1910	46	230	0.7	619	334000	67	27.9	11	38	415	463	120	<7	11	<4	1370	<1	<4	60	8.7	<100
T13101	1.7	<1	1680	54	310	1.5	615	195000	74	34.6	14	52	442	500	140	<7	13	<4	1130	<1	<4	50	9.1	<100
T13102	2.0	<1	2110	88	260	0.9	624	337000	112	46.4	20	81	649	531	190	<7	19	<4	1080	<1	<4	<30	14.6	<100
T13103	1.4	<1	1850	59	160	0.6	592	304000	117	40.6	16	57	719	509	160	<7	15	<4	1720	<1	<4	<30	10.5	<100
T13104	1.8	<1	1910	56	190	0.9	643	325000	81	35.7	14	54	589	495	160	<7	14	<4	1870	<1	<4	<30	10.0	<100
T13105	1.1	<1	2840	48	300	1.6	904	256000	88	30.1	13	39	595	773	110	<7	11	<4	2900	<1	<4	50	6.0	<100
T13106	0.7	<1	2480	28	290	<0.2	763	181000	154	18.9	9	25	361	717	60	<7	7	<4	2810	<1	<4	40	5.6	<100
T13107	1.7	<1	2010	46	220	0.9	615	213000	165	30.1	13	33	529	676	100	<7	10	<4	2130	<1	<4	70	8.1	<100
T13108	1.2	<1	2340	46	320	1.7	557	170000	158	33.4	12	42	565	757	130	<7	11	<4	1930	<1	<4	60	8.7	<100
T13109	1.0	<1	2100	40	400	0.7	640	265000	123	26.0	11	37	490	662	110	<7	9	<4	1780	<1	<4	70	8.9	<100
T13110	1.2	<1	2210	49	510	0.4	746	339000	129	29.5	10	42	669	721	100	<7	13	6	1820	<1	<4	80	11.5	<100
T13111	0.9	<1	1900	41	370	0.6	563	175000	164	28.6	11	39	464	637	120	<7	10	<4	1190	<1	<4	40	8.2	<100
T13112	1.1	<1	1860	42	670	0.6	584	158000	153	30.9	15	42	493	631	120	<7	10	<4	1080	<1	<4	90	9.4	<100
T13113	1.3	<1	2280	53	370	1.3	707	250000	259	37.3	14	48	561	844	140	<7	12	<4	1850	<1	<4	100	10.4	<100
T13114	1.1	<1	3060	33	200	0.6	656	239000	220	22.9	9	29	517	906	90	<7	7	<4	2420	<1	<4	60	7.0	<100
T13115	1.3	<1	2380	59	160	0.4	526	176000	169	37.8	16	58	573	799	160	<7	14	<4	1700	<1	<4	60	10.7	<100
T13116	1.2	<1	1950	38	100	0.6	402	138000	130	26.3	11	37	487	645	100	<7	9	<4	1080	<1	<4	<30	8.2	<100
T13117	1.1	<1	2680	33	80	0.3	685	159000	140	23.2	9	28	511	897	90	<7	7	<4	1570	<1	<4	60	4.8	<100
T13118	0.9	<1	1920	45	300	0.9	492	133000	140	25.4	12	39	513	630	110	<7	12	<4	1040	<1	<4	60	7.5	<100
T13119	1.9	<1	2110	87	210	1.3	642	165000	128	48.8	17	69	672	699	190	<7	20	<4	1020	<1	<4	60	14.9	<100
T13120	1.2	<1	2340	59	160	0.6	531	137000	125	36.1	15	53	547	743	130	<7	14	<4	1320	<1	<4	80	10.2	<100
T13121	1.2	<1	2450	44	630	0.9	470	280000	89	30.7	15	39	584	667	150	<7	11	<4	3080	<1	<4	60	13.4	<100
T13122	0.9	<1	2590	30	280	0.7	679	265000	81	22.0	8	27	443	696	90	<7	8	<4	5140	<1	<4	<30	5.2	<100
T13123	1.5	<1	2000	48	290	0.6	697	577000	59	30.1	12	41	415	560	120	<7	12	<4	3100	<1	<4	50	8.4	<100
T13124	0.9	<1	2500	42	240	0.4	662	450000	60	23.8	8	36	416	736	110	<7	11	<4	4310	<1	<4	40	7.1	<100
T13125	0.9	<1	2820	35	400	0.3	766	450000	69	24.1	11	31	419	682	100	<7	9	<4	3350	<1	<4	90	6.3	<100
T13126	0.7	<1	2160	27	370	<0.2	543	290000	45	17.2	7	23	374	599	80	<7	6	<4	2660	<1	<4	40	5.3	<100
T13127	0.8	<1	2490	35	300	0.6	611	164000	43	20.9	7	33	449	736	150	<7	7	<4	3300	<1	<4	50	7.0	<100
T13128	1.1	<1	2230	44	190	1.0	568	164000	77	29.1	11	41	499	782	150	<7	9	<4	3410	<1	<4	110	7.1	<100
T13129	0.8	<1	2170	34	360	<0.2	682	139000	95	28.6	10	28	527	865	100	<7	8	<4	2600	<1	<4	<30	7.5	<100
T13130	1.5	<1	2280	35	480	0.7	751	109000	81	26.7	11	36	568	911	100	<7	8	<4	2180	<1	<4	50	8.5	<100
T13131	1.8	<1	1950	61	460	<0.2	744	85600	82	41.2	17	53	633	741	150	<7	14	<4	2480	<1	<4	70	11.6	<100
T13132	1.9	<1	2080	70	420	0.7	529	181000	101	44.2	18	62	653	730	190	<7	16	<4	1580	<1	<4	<30	13.9	<100
T13133	1.5	<1	2150	56	320	0.4	491	164000	110	32.2	16	53	705	722	150	<7	12	<4	1160	<1	<4	80	11.6	<100
T13134	0.9	<1	2320	34	290	0.9	554	140000	101	23.1	10	25	555	748	70	<7	8	<4	940	<1	<4	<30	5.7	<100
T13135	1.6	<1	2280	73	270	0.7	536	113000	106	44.7	18	65	615	740	200	<7	17	<4	1020	<1	<4	90	15.8	<100
T13136	1.3	<1	2050	62	670	1.3	507	103000	103	38.5	15	54	683	705	150	<7	14	<4	1160	<1	<4	50	12.3	<100
T13137	1.2	<1	2510	44	380	0.3	536	143000	88	25.7	11	37	619	893	120	<7	10	<4	1160	<1	<4	90	8.2	<100
T13138	0.9	<1	2210	34	230	0.7	466	181000	116	22.3	9	27	434	601	90	<7	9	<4	1220	<1	<4	<30	7.8	<100
T13139	1.2	<1	2410	49	470	<0.2	456	187000	109	26.7	11	45	501	641	120	<7	11	<4	1340	<1	<4	50	10.0	<100
T13140	1.1	<1	1870	44	260	0.4	359	160000	93	27.9	13	40	458	468	120	<7	11	<4	1100	<1	<4	<30	7.2	<100
T13141	1.6	<1	2020	56	290	0.9	545	173000	119	36.6	15	52	572	509	160	<7	13	<4	1280	<1	<4	<30	10.9	<100
T13142	1.2	<1	2290	61	290	0.6	561	185000	115	35.1	16	53	530	550	130	<7	13	<4	1360	<1	<4	110	11.4	<100
T13143	0.8	<1	1320	26	110	0.6	305	98800	73	19.8	8	25	395	337	70	<7	6	<4	730	<1	<4	40	5.3	<100
T13144	1.0	<1	1920	40	220	<0.2	431	184000	86	23.8	11	35	538	537	130	<7	9	<4	920	<1	<4	<30	7.6	<100
T13145	0.7	<1	2930	30	170	<0.2	569	206000	146	19.3	6	27	1490	812	70	<7	6	<4	1450	<1	<4	60	4.5	<100
T13146	0.6	<1	2370	24	130	<0.2	499	289000	78	14.1	6	20	1430	674	50	<7	<5	<4	1150	<1	<4	100	4.7	<100

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Analyte Symbol	Ho	In	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pd	Pr	Pl	Rb	Re	Sb	Se	Sm	Sr
Unit Symbol	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.2	1	0.06	3	20	0.2	0.6	20	1	0.4	2	1	3	0.3	20	7	5	4	20	1	4	30	0.2	100
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
T13147	0.6	<1	3820	34	130	<0.2	658	436000	104	17.1	7	23	2520	1060	70	<7	6	<4	2370	<1	<4	50	4.9	<100
T13148	0.4	<1	2580	17	80	<0.2	427	280000	75	11.0	4	13	936	696	40	<7	<5	<4	1920	<1	<4	70	4.0	<100
T13149	1.0	<1	3470	45	180	0.6	632	395000	90	26.1	10	33	1710	1070	90	<7	9	<4	2080	<1	<4	80	9.2	<100
T13150	0.7	<1	2250	28	150	0.4	434	270000	49	14.5	5	25	1170	714	70	<7	6	<4	1140	<1	<4	40	5.1	<100
T13152	0.5	<1	1870	21	100	<0.2	371	232000	40	14.6	5	17	731	573	50	<7	<5	<4	1050	<1	<4	40	3.4	<100
T13153	0.3	<1	2600	30	80	<0.2	535	322000	53	17.9	7	24	805	783	80	<7	8	<4	1160	<1	6	70	8.4	<100
T13154	0.7	<1	2500	29	70	<0.2	512	401000	48	17.8	7	23	818	763	60	<7	8	<4	910	<1	<4	70	4.1	<100
T13155	0.7	<1	2630	35	100	<0.2	514	423000	57	21.0	9	32	881	746	80	<7	8	<4	1120	<1	<4	<30	5.7	<100
T13156	0.4	<1	3740	15	60	<0.2	818	444000	58	9.7	3	11	759	1020	40	<7	<5	<4	1590	<1	<4	60	1.7	<100
T13157	0.4	<1	2850	17	40	<0.2	404	368000	53	10.9	4	15	1100	733	60	<7	<5	<4	1170	<1	<4	<30	2.6	<100
T13158	0.3	<1	2580	20	50	0.3	490	338000	72	13.4	6	17	1360	828	50	<7	<5	<4	1880	<1	<4	50	2.5	<100
T13159	0.6	<1	2430	24	50	<0.2	455	451000	85	14.2	6	20	1130	730	50	<7	<5	<4	2120	<1	<4	<30	3.2	<100
T13160	0.3	<1	3200	14	40	<0.2	557	330000	142	8.7	3	12	1180	955	40	<7	<5	<4	4330	<1	<4	60	2.1	<100
T13161	0.3	<1	2800	20	110	<0.2	590	311000	112	10.8	5	18	1690	813	50	<7	<5	<4	3260	<1	<4	60	5.4	<100
T13162	0.5	<1	2450	19	100	0.3	477	321000	72	12.2	5	13	1750	722	50	<7	<5	<4	2130	<1	<4	70	4.6	<100
T13163	0.5	<1	2750	25	130	<0.2	542	371000	138	17.8	7	22	2120	877	90	<7	6	<4	2030	<1	<4	30	5.7	<100
T13164	0.6	<1	3480	21	90	<0.2	783	311000	133	14.8	5	17	3910	1040	80	<7	<5	<4	2960	<1	<4	50	4.6	<100
T13165	0.3	<1	2030	10	40	<0.2	394	184000	62	9.9	<2	6	898	534	50	<7	<5	<4	2130	<1	<4	50	1.9	<100
T13166	0.4	<1	2850	19	60	<0.2	596	285000	87	11.7	6	15	1250	815	80	<7	<5	<4	4060	<1	<4	<30	3.5	<100
T13167	0.5	<1	3070	19	110	<0.2	654	254000	92	13.3	6	18	2380	835	70	<7	<5	<4	4260	<1	<4	80	3.9	<100
T13168	0.9	<1	2380	30	130	0.3	549	286000	79	18.5	7	21	1740	702	90	<7	7	<4	2820	<1	<4	<30	7.6	<100
T13169	0.9	<1	2630	35	120	0.7	595	355000	70	20.8	8	29	1150	775	120	<7	7	<4	3270	<1	<4	<30	8.4	<100
T13170	1.2	<1	2230	30	80	<0.2	465	249000	78	22.8	8	30	874	821	110	<7	8	<4	2860	<1	<4	<30	7.1	<100
T13171	0.7	<1	2730	35	90	0.3	654	361000	93	18.9	8	34	1360	856	90	<7	9	<4	3380	<1	<4	30	7.3	<100
T13172	0.4	<1	2180	29	70	<0.2	525	317000	51	14.3	5	20	944	665	80	<7	6	<4	1800	<1	<4	60	3.6	<100
T13173	0.6	<1	2470	22	80	0.3	551	318000	63	13.9	5	16	1330	814	50	<7	<5	<4	1690	<1	<4	80	3.2	<100
T13174	0.8	<1	2440	34	200	0.3	630	251000	67	25.0	7	27	683	729	120	<7	7	<4	2000	<1	<4	40	6.8	<100
T13175	0.8	<1	2270	40	320	<0.2	604	195000	163	25.4	12	32	435	572	110	<7	7	<4	1910	<1	<4	70	7.0	<100
T13176	1.8	<1	2280	78	490	0.7	632	312000	107	44.9	15	70	589	573	200	<7	18	<4	1720	<1	<4	50	13.2	<100
T13177	1.2	<1	1550	47	680	0.6	452	152000	76	28.0	10	43	459	417	90	<7	10	<4	1140	<1	<4	<30	10.5	<100
T13178	1.1	<1	1820	49	350	0.3	428	153000	98	32.9	13	48	450	460	100	<7	13	<4	1080	<1	<4	<30	8.7	<100
T13179	1.3	<1	1880	55	770	0.9	559	120000	113	37.1	14	51	539	551	130	<7	12	<4	880	<1	<4	40	11.7	<100
T13180	1.8	<1	1740	73	670	1.1	563	103000	102	48.0	19	72	568	540	180	<7	17	<4	760	<1	<4	<30	11.7	<100
T13181	1.6	<1	1860	80	590	0.6	678	193000	99	46.2	17	76	630	558	200	<7	18	<4	820	<1	<4	<30	13.9	<100
T13182	2.2	<1	2040	77	540	0.9	564	173000	95	47.9	19	65	710	589	230	<7	18	<4	1600	<1	<4	<30	12.4	<100
T13183	1.3	<1	1760	54	400	0.3	480	359000	83	33.6	13	49	523	529	180	<7	14	<4	1050	<1	<4	<30	11.0	<100
T13184	1.7	<1	2470	72	510	1.4	722	407000	155	44.8	17	63	699	602	220	<7	17	<4	1710	<1	<4	130	11.8	<100
T13185	1.4	<1	3200	53	330	<0.2	733	317000	115	33.1	13	48	586	750	140	<7	12	<4	2940	<1	<4	50	10.5	<100
T13186	1.4	<1	3000	45	200	0.6	674	211000	110	33.3	14	43	547	800	130	<7	11	<4	2090	<1	<4	40	8.4	<100
T13187	1.5	<1	2960	54	300	0.3	612	317000	84	62.9	17	51	594	724	140	<7	12	<4	1980	<1	<4	90	9.0	<100
T13188	1.5	<1	2840	53	230	0.3	551	332000	85	38.4	15	48	585	891	160	<7	12	<4	1890	<1	<4	50	10.3	<100
T13189	1.5	<1	2340	68	210	0.4	538	309000	77	35.9	14	55	530	563	140	<7	14	<4	1790	<1	<4	60	12.1	<100
T13190	1.4	<1	2430	57	270	<0.2	549	310000	84	35.9	14	53	587	563	150	<7	14	<4	1910	<1	<4	70	10.0	<100
T13191	2.6	<1	2280	110	410	0.7	581	337000	116	65.1	27	97	775	661	300	<7	26	<4	1440	<1	<4	60	19.9	<100
T13192	1.4	<1	2580	41	530	0.4	498	269000	108	28.5	11	36	712	665	150	<7	9	<4	1650	<1	<4	100	9.0	<100
T13193	0.8	<1	2360	41	620	0.6	460	244000	72	28.1	10	39	621	614	130	<7	9	<4	1660	<1	<4	50	7.0	<100
T13194	2.0	<1	2000	73	900	1.2	688	370000	74	47.6	18	68	671	665	230	<7	17	<4	1990	<1	<4	<30	12.9	<100
T13195	1.0	<1	2120	50	800	0.7	574	222000	72	29.6	9	41	660	639	130	<7	11	<4	1960	<1	<4	50	7.7	<100
T13196	1.0	<1	1760	42	390	0.3	419	323000	65	24.3	10	38	611	563	100	<7	10	<4	1070	<1	<4	40	6.6	<100
T13197	1.5	<1	1810	58	570	0.6	442	276000	105	41.3	17	54	706	542	170	<7	14	<4	890	<1	<4	70	9.7	<100
T13198	1.2	<1	2030	52	460	0.4	473	278000	105	34.3	17	45	847	565	150	<7	12	<4	730	<1	<4	<30	11.7	<100
T13199	1.5	<1	2640	73	480	0.3	573	355000	109	40.3	17	57	1450	786	120	<7	16	<4	2150	<1	<4	<30	10.6	<100

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Analyte Symbol	Ho	In	K	La	U	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb	Re	Sb	Se	Sm	Sr
Unit Symbol	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.2	1	0.06	3	20	0.2	0.6	20	1	0.4	2	1	3	0.3	20	7	5	4	20	1	4	30	0.2	100
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
T13200	0.3	< 1	2340	15	150	0.3	473	287000	61	9.0	3	13	717	684	40	< 7	< 5	< 4	1090	< 1	< 4	40	3.7	< 100
T13201	0.4	< 1	1900	22	130	< 0.2	383	349000	63	13.6	5	17	912	852	60	< 7	5	< 4	1210	< 1	< 4	< 30	5.8	< 100
T13202	0.6	< 1	2170	36	150	< 0.2	395	383000	64	16.9	6	31	1590	679	60	< 7	8	< 4	1040	< 1	< 4	40	7.1	< 100
T13203	0.7	< 1	2550	30	290	0.6	452	382000	41	14.5	6	25	1940	685	50	< 7	6	< 4	1640	< 1	< 4	< 30	6.0	< 100
T13204	0.3	< 1	2300	15	100	< 0.2	453	269000	43	9.1	2	11	1090	624	40	< 7	< 5	< 4	1510	< 1	< 4	70	3.3	< 100
T13205	0.5	< 1	2650	16	90	< 0.2	438	242000	38	9.8	4	12	880	590	30	< 7	< 5	< 4	1520	< 1	< 4	70	2.2	< 100
T13206	0.9	< 1	2390	31	190	0.4	556	349000	43	18.5	7	27	1500	598	90	< 7	6	< 4	1470	< 1	< 4	30	5.8	< 100
T13207	0.7	< 1	2600	21	160	< 0.2	519	368000	84	13.2	11	14	1340	770	50	< 7	< 5	< 4	2800	< 1	< 4	< 30	1.9	< 100
T13208	0.5	< 1	2870	20	150	< 0.2	538	347000	108	12.9	4	17	2310	843	50	< 7	< 5	< 4	4820	< 1	< 4	< 30	4.5	< 100
T13209	0.4	< 1	1900	66	40	< 0.2	354	332000	36	10.8	5	43	856	636	60	< 7	13	< 4	1790	< 1	23	30	6.6	< 100
T13210	0.6	< 1	3380	36	150	< 0.2	667	386000	131	17.0	6	30	2570	1090	390	< 7	8	< 4	2970	< 1	< 4	60	5.2	< 100
T13211	0.3	< 1	3290	18	130	0.3	570	473000	71	10.5	4	21	1680	898	140	< 7	< 5	< 4	3160	< 1	< 4	< 30	4.3	< 100
T13212	< 0.2	< 1	3320	12	80	0.3	614	362000	103	7.2	3	8	1750	957	60	< 7	< 5	< 4	2020	< 1	< 4	80	3.2	< 100
T13213	0.6	< 1	4250	24	150	< 0.2	822	414000	83	39.1	4	22	1910	1270	170	< 7	6	< 4	2760	< 1	< 4	< 30	5.0	< 100
T13214	0.3	< 1	2730	21	50	0.5	780	310000	84	9.3	4	15	1160	915	60	< 7	< 5	< 4	2160	< 1	< 4	< 30	2.7	< 100
T13215	0.8	< 1	3810	46	80	< 0.2	755	454000	81	23.3	8	34	1430	1130	130	< 7	9	< 4	2810	< 1	< 4	< 30	6.5	< 100
T13216	0.2	< 1	3290	45	50	< 0.2	596	315000	77	9.2	3	20	1270	939	60	< 7	6	< 4	2240	< 1	< 4	< 30	2.4	< 100
T13217	< 0.2	< 1	2440	14	30	< 0.2	482	220000	55	8.8	3	10	831	777	110	< 7	< 5	< 4	1940	< 1	< 4	< 30	1.9	< 100
T13218	0.5	< 1	2650	30	170	< 0.2	541	376000	104	17.6	10	27	1920	819	80	< 7	7	< 4	2870	< 1	< 4	< 30	7.8	< 100
T13219	0.6	< 1	2990	24	50	< 0.2	601	571000	51	15.7	6	17	870	785	70	< 7	5	< 4	1610	< 1	< 4	< 30	3.5	< 100
T13220	0.3	< 1	2330	27	80	0.3	521	459000	35	14.8	6	25	965	735	70	< 7	6	< 4	830	< 1	< 4	< 30	4.4	< 100
T13221	0.4	< 1	2780	17	100	0.3	558	480000	129	10.8	4	15	1630	879	60	< 7	< 5	< 4	1480	< 1	< 4	< 30	2.5	< 100
T13222	0.4	< 1	2750	19	100	0.3	521	466000	126	11.5	5	16	1510	808	70	< 7	< 5	< 4	2070	< 1	< 4	< 30	4.2	< 100
T13223	1.0	< 1	2220	44	130	0.5	470	261000	39	25.8	9	40	561	592	120	< 7	10	< 4	1120	< 1	< 4	< 30	7.8	< 100
T13224	0.5	< 1	2870	33	300	< 0.2	632	294000	53	17.6	6	24	1310	871	180	< 7	6	< 4	1480	< 1	< 4	< 30	5.7	< 100
T13225	0.5	< 1	3290	23	200	< 0.2	602	418000	52	12.1	7	19	1050	841	70	< 7	< 5	< 4	1920	< 1	< 4	< 30	4.7	< 100
T13226	0.3	< 1	3000	21	120	0.3	545	430000	59	11.4	6	16	1400	795	70	< 7	< 5	< 4	1380	< 1	< 4	< 30	5.8	< 100
T13227	0.4	< 1	2960	22	160	0.8	609	500000	68	12.9	4	17	1180	914	70	< 7	< 5	< 4	830	< 1	< 4	< 30	2.7	< 100
T13228	0.8	< 1	2850	62	190	0.3	486	613000	95	25.1	10	50	1470	802	120	< 7	13	< 4	2150	< 1	< 4	< 30	9.8	< 100
T13229	0.3	< 1	2350	25	100	0.8	497	415000	65	11.7	5	17	1340	770	70	< 7	< 5	< 4	1400	< 1	< 4	< 30	4.4	< 100
T13230	0.5	< 1	2420	23	110	0.5	475	454000	55	14.4	5	19	1160	749	80	< 7	< 5	< 4	1250	< 1	< 4	< 30	2.1	< 100
T13231	0.4	< 1	3080	20	90	0.3	495	441000	54	14.0	4	12	964	781	70	< 7	< 5	< 4	1320	< 1	< 4	< 30	4.0	< 100
T13232	0.8	< 1	3210	43	130	0.6	634	562000	117	29.1	10	38	2770	924	120	< 7	10	< 4	1490	< 1	< 4	< 30	6.8	< 100
T13233	0.6	< 1	2840	29	70	0.3	526	573000	58	14.0	6	18	953	793	70	< 7	< 5	< 4	1500	< 1	< 4	< 30	4.7	< 100
T13234	0.5	< 1	3040	30	100	< 0.2	518	477000	54	17.3	7	23	1080	784	80	< 7	8	< 4	1680	< 1	< 4	< 30	5.4	< 100
T13235	0.2	< 1	2690	14	70	< 0.2	590	439000	77	9.1	3	12	893	902	30	< 7	< 5	< 4	1480	< 1	< 4	70	2.8	< 100
T13236	0.5	< 1	2580	23	130	0.3	466	382000	37	12.8	6	19	867	758	50	< 7	< 5	< 4	760	< 1	< 4	< 30	5.0	< 100
T13237	0.3	< 1	2980	18	110	< 0.2	593	486000	84	11.3	4	17	1010	871	50	< 7	< 5	< 4	1980	< 1	< 4	< 30	3.9	< 100
T13238	0.3	< 1	3230	19	60	< 0.2	682	427000	87	11.8	6	18	990	1020	60	< 7	5	< 4	2370	< 1	< 4	< 30	4.5	< 100
T13239	0.5	< 1	3080	17	30	< 0.2	471	309000	63	9.9	4	11	815	788	40	< 7	< 5	< 4	1980	< 1	< 4	< 30	2.5	< 100
T13240	0.4	< 1	2550	24	50	0.6	552	406000	84	14.7	7	25	1060	861	70	< 7	< 5	< 4	1970	< 1	< 4	< 30	4.1	< 100
T13241	0.4	< 1	2910	21	90	< 0.2	519	327000	69	11.1	3	12	1150	929	60	< 7	< 5	< 4	3050	< 1	< 4	< 30	5.7	< 100
T13242	< 0.2	< 1	3100	13	50	0.6	499	326000	73	7.3	4	12	958	918	30	< 7	< 5	< 4	2160	< 1	< 4	< 30	1.9	< 100
T13243	0.3	< 1	3310	18	60	< 0.2	648	378000	47	9.1	4	14	1300	894	40	< 7	< 5	< 4	2960	< 1	< 4	< 30	2.9	< 100
T13244	0.3	< 1	2760	22	60	0.6	528	394000	76	11.4	5	17	1210	815	50	< 7	< 5	< 4	1930	< 1	< 4	< 30	3.7	< 100
T13245	0.2	< 1	2750	15	50	< 0.2	512	325000	92	8.6	3	13	819	835	40	< 7	< 5	< 4	2470	< 1	< 4	< 30	2.1	< 100
T13246	0.7	< 1	1970	29	150	< 0.2	530	267000	42	20.1	9	26	580	566	90	< 7	7	< 4	1910	< 1	< 4	< 30	3.8	< 100
T13247	1.1	< 1	2720	36	150	< 0.2	633	433000	69	23.6	7	34	1760	796	100	< 7	8	< 4	1940	< 1	< 4	< 30	5.0	< 100
T13248	0.4	< 1	2190	20	210	0.5	542	208000	50	17.1	6	20	929	678	80	< 7	< 5	< 4	1120	< 1	< 4	< 30	2.8	< 100
T13249	0.7	< 1	2340	31	460	0.3	633	364000	53	20.3	9	28	2490	775	100	< 7	6	< 4	1620	< 1	< 4	50	6.9	< 100
T13250	0.6	< 1	2550	31	450	< 0.2	699	403000	62	17.2	7	24	3590	888	70	< 7	6	< 4	2010	< 1	< 4	< 30	5.5	< 100
T13251	0.4	< 1	2740	30	140	0.8	544	411000	71	16.7	6	28	1860	907	80	< 7	7	< 4	4280	< 1	< 4	40	4.2	< 100

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Analyte Symbol	Ho	In	K	La	U	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb	Re	Sb	Se	Sm	Sr
Unit Symbol	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.2	1	0.08	3	20	0.2	0.6	20	1	0.4	2	1	3	0.3	20	7	5	4	20	1	4	30	0.2	100
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
T13252	0.3	<1	3280	18	80	<0.2	625	400000	118	13.7	6	18	2710	1020	50	<7	<5	<4	6670	<1	<4	<30	2.5	<100
T13253	0.5	<1	2660	26	110	<0.2	545	320000	68	12.9	5	18	1380	853	50	<7	<5	<4	2730	<1	<4	<30	4.8	<100
T13254	0.5	<1	3020	24	150	0.3	611	367000	95	17.0	8	21	1250	987	70	<7	5	<4	3720	<1	<4	<30	6.1	<100
T13255	0.3	<1	2690	16	110	<0.2	586	404000	107	10.8	5	14	2930	850	40	<7	<5	<4	3370	<1	<4	<30	3.0	<100
T13256	0.5	<1	2660	18	100	0.6	500	325000	78	10.5	5	14	1220	827	50	<7	<5	<4	1500	<1	<4	<30	3.6	<100
T13257	0.6	<1	2580	33	270	0.5	522	397000	63	16.5	7	26	1310	788	90	<7	7	<4	1320	<1	9	<30	4.1	<100
T13258	0.9	<1	2460	36	240	<0.2	619	370000	67	21.1	6	25	2200	793	160	<7	7	<4	1290	<1	<4	<30	6.2	<100
T13259	0.7	<1	2390	40	250	0.3	589	334000	62	21.9	8	184	1800	758	90	<7	9	<4	1370	<1	<4	<30	6.5	<100
T13260	0.6	<1	3430	24	230	<0.2	645	421000	58	13.7	5	19	1280	979	100	<7	<5	<4	2130	<1	<4	80	4.6	<100
T13261	0.3	<1	2480	18	100	0.5	515	391000	70	11.5	5	16	1220	807	150	<7	<5	<4	1730	<1	<4	<30	3.6	<100
T13262	1.1	<1	3080	40	110	0.8	656	525000	88	25.0	10	35	2070	962	450	<7	10	<4	2010	<1	25	<30	6.3	<100
T13263	0.5	<1	2980	77	100	0.5	596	471000	127	14.3	6	20	3700	928	350	<7	<5	<4	3090	<1	14	<30	4.2	<100
T13264	0.4	<1	2890	17	50	0.3	560	336000	87	6.1	3	9	1430	860	70	<7	<5	<4	2360	<1	<4	<30	2.5	<100
T13265	0.2	<1	2500	29	60	0.5	508	322000	83	11.1	5	15	1090	803	70	<7	<5	<4	2710	<1	<4	<30	3.6	<100
T13266	0.3	<1	3050	10	30	<0.2	539	253000	64	6.2	2	7	1370	905	120	<7	<5	<4	2090	<1	34	<30	1.5	<100
T13267	<0.2	<1	3640	12	30	<0.2	656	371000	106	5.0	<2	8	2120	1070	130	<7	<5	<4	2530	<1	20	<30	1.2	<100
T13268	0.4	<1	3680	19	40	0.7	558	372000	113	9.2	3	10	1880	961	40	<7	<5	<4	3250	<1	<4	<30	2.5	<100
T13269	0.4	<1	3010	10	30	<0.2	532	313000	75	7.4	3	9	1640	829	40	<7	<5	<4	2070	<1	<4	<30	1.3	<100
T13270	0.8	<1	3190	101	90	<0.2	634	360000	75	19.5	7	22	1880	901	80	<7	6	<4	2010	<1	<4	<30	5.9	<100
T13271	<0.2	<1	2730	34	70	0.5	539	314000	61	7.6	3	15	1730	783	50	<7	<5	<4	2070	<1	<4	<30	4.3	<100
T13272	0.7	<1	3310	29	100	<0.2	648	452000	79	19.7	6	27	1800	1010	60	<7	6	<4	3030	<1	<4	50	4.5	<100
T13273	0.7	<1	2890	20	60	0.5	524	306000	57	12.2	6	16	1500	890	50	<7	<5	<4	3260	<1	<4	<30	4.9	<100
T13274	0.4	<1	3090	20	70	0.5	636	415000	57	12.2	5	14	888	820	50	<7	<5	<4	2560	<1	<4	<30	2.5	<100
T13275	0.5	<1	2520	38	100	0.7	617	484000	60	20.3	6	33	949	746	90	<7	8	<4	1770	<1	<4	<30	6.0	<100
T13276	0.4	<1	2050	14	50	0.3	398	378000	32	9.9	4	14	601	545	50	<7	<5	<4	1390	<1	<4	<30	1.7	<100
T13277	0.2	<1	2850	25	50	<0.2	623	417000	62	13.8	6	19	1030	806	130	<7	<5	<4	2070	<1	<4	<30	3.2	<100
T13278	0.5	<1	3190	29	60	0.7	738	521000	50	15.5	6	22	1080	917	60	<7	6	<4	1690	<1	19	60	5.7	<100
T13279	0.5	<1	3430	26	70	0.5	681	579000	90	11.7	6	17	1440	942	60	<7	6	<4	2130	<1	<4	<30	4.1	<100
T13280	0.3	<1	3250	23	90	1.2	582	466000	73	16.7	8	17	1180	878	60	<7	<5	<4	2020	<1	<4	<30	3.6	<100
T13281	0.8	<1	3900	28	100	<0.2	721	569000	62	15.2	7	26	1530	1030	80	<7	6	<4	1290	<1	<4	<30	5.8	<100
T13282	0.5	<1	3850	27	90	<0.2	609	467000	45	12.2	6	20	1230	1070	60	<7	6	<4	2240	<1	<4	<30	4.4	<100
T13283	0.6	<1	3760	25	70	<0.2	825	590000	52	14.3	7	21	1120	1070	70	<7	5	<4	1560	<1	<4	<30	2.1	<100
T13284	0.5	<1	2990	17	70	0.3	534	481000	48	9.9	6	13	685	902	160	<7	<5	<4	1250	<1	<4	<30	2.1	<100
T13285	0.4	<1	3660	25	70	<0.2	713	554000	50	12.4	7	17	1040	1100	60	<7	5	<4	1350	<1	<4	<30	2.8	<100
T13286	0.3	<1	2940	17	50	<0.2	583	474000	57	12.2	5	15	937	822	60	<7	<5	<4	1360	<1	<4	<30	3.8	<100
T13287	0.4	<1	3360	21	70	<0.2	619	540000	68	16.1	6	20	1370	894	70	<7	<5	<4	1460	<1	<4	<30	4.5	<100
T13288	0.5	<1	2880	27	120	<0.2	512	492000	51	14.0	5	17	1450	798	70	<7	5	<4	1470	<1	<4	<30	4.5	<100
T13289	0.3	<1	2710	16	70	<0.2	567	237000	65	9.0	4	14	831	784	60	<7	<5	<4	10900	<1	<4	<30	3.6	<100
T13290	0.5	<1	2990	16	60	0.3	615	206000	101	10.0	5	11	871	861	60	<7	<5	<4	14600	<1	<4	<30	1.2	<100
T13291	0.4	<1	2670	15	50	<0.2	606	162000	150	9.7	5	15	751	820	60	<7	<5	<4	8290	<1	<4	<30	3.2	<100
T13292	0.3	<1	3280	18	40	<0.2	797	196000	144	9.3	4	12	898	1050	50	<7	<5	<4	9840	<1	<4	80	2.6	<100
T13293	0.4	<1	3490	16	60	<0.2	849	215000	157	13.2	7	12	1020	1040	70	<7	<5	<4	9010	<1	<4	<30	4.1	<100
T13294	0.5	<1	2820	25	100	0.3	716	187000	95	14.9	9	16	633	825	60	<7	6	<4	6540	<1	<4	<30	5.1	<100
T13295	0.6	<1	2430	28	70	0.8	642	209000	116	19.8	8	23	781	775	90	<7	7	<4	4570	<1	<4	<30	6.2	<100
T13296	0.8	<1	2640	30	60	<0.2	557	247000	129	18.5	7	26	579	799	100	<7	7	<4	3880	<1	<4	<30	5.6	<100
T13297	0.5	<1	2700	35	50	0.3	529	295000	98	20.4	8	28	933	885	90	<7	8	<4	4020	<1	<4	<30	7.5	<100
T13298	1.0	<1	2260	34	70	<0.2	561	182000	81	21.7	10	30	556	845	120	<7	10	<4	2880	<1	<4	<30	7.6	<100
T13299	0.6	<1	2600	24	50	<0.2	548	214000	177	15.0	6	17	488	963	70	<7	5	<4	3050	<1	<4	<30	4.5	<100
T13300	0.7	<1	2410	27	50	<0.2	476	258000	96	18.0	7	22	406	760	80	<7	6	<4	3080	<1	<4	<30	3.9	<100
T13301	0.7	<1	2480	23	70	<0.2	480	366000	73	12.8	7	18	342	708	70	<7	<5	<4	2930	<1	<4	<30	3.2	<100
T13302	0.9	<1	2940	38	110	<0.2	558	339000	71	24.6	12	36	472	895	120	<7	9	<4	5270	<1	<4	<30	6.6	<100
T13303	1.0	<1	2560	47	80	<0.2	463	263000	100	26.1	17	36	503	713	140	<7	11	<4	3890	<1	<4	90	7.9	<100

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Analyte Symbol	Hg	In	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb	Re	Sb	Se	Sm	Sr
Unit Symbol	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.2	1	0.08	3	20	0.2	0.8	20	1	0.4	2	1	3	0.3	20	7	5	4	20	1	4	30	0.2	100
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
T13304	1.0	<1	3040	40	110	1.7	542	348000	108	27.2	18	33	681	870	110	<7	10	<4	3230	<1	<4	<30	8.2	<100
T13305	0.7	<1	3150	33	100	0.5	601	273000	125	24.7	12	33	543	917	130	<7	8	<4	3630	<1	<4	<30	5.0	<100
T13306	0.9	<1	2650	39	80	1.2	454	218000	118	24.1	12	36	733	868	100	<7	9	<4	4390	<1	<4	<30	5.0	<100
T13307	0.8	<1	3430	30	60	0.7	684	246000	112	20.0	8	29	2240	1050	90	<7	7	<4	7730	<1	<4	<30	5.1	<100
T13308	0.2	<1	2660	17	30	0.7	584	253000	165	10.1	5	14	1390	818	120	<7	<5	<4	7040	<1	<4	<30	2.4	<100
T13309	1.1	<1	2990	34	60	0.3	488	396000	126	24.9	11	31	1030	898	180	<7	9	<4	8500	<1	<4	<30	6.8	<100
T13310	0.7	<1	2930	36	50	0.3	557	363000	109	21.9	10	33	2010	833	100	<7	8	<4	9720	<1	<4	40	7.9	<100
T13311	1.3	<1	2660	58	80	0.3	523	319000	110	31.5	17	48	1230	752	140	<7	13	<4	8570	<1	<4	<30	8.0	<100
T13312	1.0	<1	2660	48	100	<0.2	548	309000	110	29.3	14	37	1200	748	280	<7	11	<4	8490	<1	<4	<30	9.2	<100
T13313	0.5	<1	2600	31	40	0.7	544	228000	128	13.9	6	28	1020	836	80	<7	6	<4	9100	<1	<4	<30	5.8	<100
T13314	0.3	<1	2670	20	50	0.3	521	324000	97	13.1	6	18	2420	840	80	<7	5	<4	9820	<1	<4	<30	4.5	<100
T13315	<0.2	<1	3130	13	40	<0.2	581	280000	145	10.9	5	18	1030	895	80	<7	<5	<4	11600	<1	<4	<30	3.5	<100
T13316	<0.2	<1	3180	9	40	<0.2	488	251000	111	5.6	4	7	1010	667	50	<7	<5	<4	12000	<1	<4	<30	1.2	<100
T13317	<0.2	<1	2650	12	20	0.3	527	244000	92	6.9	4	12	994	701	80	<7	<5	<4	9670	<1	<4	<30	2.4	<100
T13318	0.3	<1	3390	14	30	<0.2	650	218000	297	8.7	4	11	1920	944	80	<7	<5	<4	14800	<1	<4	<30	3.4	<100
T13319	0.4	<1	2260	16	30	<0.2	488	141000	175	10.2	5	14	1110	753	80	<7	<5	<4	7650	<1	<4	<30	2.5	<100
T13320	0.3	<1	2200	26	50	<0.2	462	169000	111	15.8	5	18	354	631	100	<7	<5	<4	4070	<1	18	<30	4.2	<100
T13321	0.4	<1	2150	18	50	<0.2	451	158000	146	9.6	5	14	502	605	90	<7	<5	<4	3920	<1	16	<30	3.7	<100
T13322	0.8	<1	2730	20	60	0.2	528	163000	72	10.9	5	15	409	783	110	<7	<5	<4	3430	<1	17	<30	4.0	<100
T13323	0.5	<1	2230	26	70	0.2	476	198000	67	19.0	10	25	403	740	190	<7	6	<4	2200	<1	13	<30	5.9	<100
T13324	1.3	<1	2350	54	130	<0.2	492	243000	76	30.8	11	48	545	835	160	<7	12	<4	2170	<1	16	<30	9.0	<100
T13325	1.5	<1	2560	51	70	0.4	428	306000	79	34.2	13	47	510	714	180	<7	12	<4	1690	<1	17	<30	8.8	<100
T13326	0.8	<1	2440	29	100	0.5	484	270000	70	18.1	8	27	460	800	90	<7	7	<4	2890	<1	14	<30	6.0	<100
T13327	0.7	<1	2410	27	150	<0.2	511	206000	83	17.7	8	22	672	845	80	<7	6	<4	1720	<1	12	<30	6.0	<100
T13328	0.9	<1	2240	25	80	<0.2	627	289000	52	19.4	8	23	411	725	90	<7	6	<4	2350	<1	8	<30	5.1	<100
T13329	1.0	<1	2430	42	90	0.5	733	341000	83	29.1	11	37	563	854	120	<7	10	<4	4460	<1	16	<30	7.5	<100
T13330	0.8	<1	2060	26	70	0.2	626	286000	42	16.2	7	25	330	737	110	<7	7	<4	4060	<1	12	<30	5.6	<100
T13331	0.8	<1	2130	24	40	<0.2	564	152000	150	14.3	6	21	686	788	60	<7	5	<4	3400	<1	10	<30	3.9	<100
T13332	0.5	<1	2290	21	30	<0.2	665	178000	171	15.1	6	18	1170	838	70	<7	<5	<4	4700	<1	11	<30	3.6	<100
T13333	0.8	<1	2490	29	40	0.2	605	137000	185	19.5	14	26	797	807	80	<7	6	<4	3800	<1	12	<30	5.1	<100
T13334	0.3	<1	2490	18	30	<0.2	608	167000	200	11.3	13	14	1340	792	70	<7	<5	<4	3940	<1	11	<30	2.7	<100
T13335	0.7	<1	2110	32	50	0.8	474	234000	168	17.6	5	27	863	659	90	<7	7	<4	2620	<1	10	<30	5.4	<100
T13336	0.5	<1	2250	31	60	0.5	402	209000	178	15.6	8	21	657	705	80	<7	5	<4	2430	<1	8	<30	3.6	<100
T13337	1.6	<1	2330	57	120	0.5	457	195000	148	34.3	14	51	628	748	160	<7	13	<4	2450	<1	9	<30	9.8	<100
T13338	1.4	<1	2160	43	100	0.7	444	264000	224	28.6	13	43	594	728	270	<7	10	<4	1880	<1	13	<30	8.8	<100
T13339	0.6	<1	2410	33	130	<0.2	471	220000	125	22.1	7	27	376	756	120	<7	7	<4	2960	<1	16	<30	5.6	<100
T13340	0.4	<1	2520	18	140	0.6	453	165000	129	12.5	4	18	259	683	80	<7	<5	<4	5010	<1	15	<30	3.5	<100
T13341	0.4	<1	2730	20	120	<0.2	604	236000	60	12.3	4	15	232	828	80	<7	5	<4	5040	<1	9	<30	3.3	<100
T13342	0.4	<1	2510	18	60	<0.2	648	238000	62	12.1	4	17	218	864	100	<7	<5	<4	3600	<1	15	<30	2.7	<100
T13343	0.8	<1	2070	33	60	0.2	596	133000	52	20.6	8	27	290	692	150	<7	7	<4	3450	<1	13	<30	7.0	<100
T13344	1.2	<1	1990	45	80	<0.2	607	111000	92	30.9	14	41	408	722	110	<7	11	<4	3330	<1	13	<30	8.3	<100
T13345	0.8	<1	2210	35	90	0.2	550	111000	214	22.4	10	28	541	741	140	<7	8	<4	4180	<1	11	<30	5.4	<100
T13346	0.5	<1	2440	40	100	0.6	580	116000	100	17.2	8	24	545	748	120	<7	6	<4	5390	<1	52	<30	5.3	<100
T13347	0.6	<1	2330	23	70	<0.2	688	79900	86	15.0	6	19	364	787	70	<7	<5	<4	4710	<1	8	<30	4.0	<100
T13348	0.9	<1	2260	31	190	<0.2	631	122000	141	20.6	9	26	382	736	110	<7	7	<4	2630	<1	8	<30	5.2	<100
T13349	0.5	<1	2080	28	150	<0.2	500	307000	106	17.6	7	25	478	634	70	<7	6	<4	2580	<1	6	<30	5.1	<100
T13350	0.8	<1	2400	43	180	0.4	537	393000	119	23.2	9	38	654	749	80	<7	9	<4	3010	<1	12	<30	5.8	<100
T13351	1.0	<1	2630	41	180	1.0	541	230000	107	24.8	9	36	758	880	120	<7	9	<4	1470	<1	9	<30	6.5	<100
T13352	1.1	<1	2440	46	220	<0.2	506	461000	84	28.9	11	40	602	618	130	<7	11	<4	3040	<1	64	<30	7.6	<100
T13353	1.2	<1	2500	52	180	0.5	555	251000	89	31.3	18	46	690	728	130	<7	14	<4	1620	<1	17	<30	11.9	<100
T13354	0.6	<1	2410	24	130	<0.2	485	216000	70	16.2	7	20	567	699	80	<7	5	<4	1590	<1	10	<30	5.3	<100
T13355	0.9	<1	2280	33	130	0.5	676	222000	106	23.0	10	28	543	711	120	<7	8	<4	2580	<1	12	<30	5.4	<100

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Analyte Symbol	Hg	In	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb	Re	Sb	Se	Sm	Sr
Unit Symbol	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.2	1	0.06	3	20	0.2	0.6	20	1	0.4	2	1	3	0.3	20	7	5	4	20	1	4	30	0.2	100
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
T13356	0.7	<1	2410	28	140	0.2	609	145000	243	16.3	6	22	347	612	100	<7	6	<4	3310	<1	6	<30	4.8	<100
T13357	0.7	<1	2720	22	60	0.2	566	117000	250	14.9	6	20	361	888	80	<7	<5	<4	3820	<1	6	<30	3.1	<100
T13358	0.5	<1	2860	24	50	<0.2	659	179000	156	16.9	7	22	843	616	70	<7	6	<4	4220	<1	6	<30	6.1	<100
T13359	0.3	<1	2860	28	30	0.2	573	148000	212	11.8	6	20	1190	784	70	<7	<5	<4	5210	<1	<4	<30	3.9	<100
T13360	0.5	<1	2300	21	30	<0.2	410	110000	126	14.7	5	17	514	631	80	<7	5	<4	3750	<1	4	<30	3.8	<100
T13361	0.6	<1	2650	27	40	<0.2	501	131000	76	18.0	9	29	398	797	70	<7	6	<4	3560	<1	8	<30	5.0	<100
T13362	0.4	<1	3370	19	40	0.4	624	180000	71	13.2	6	18	316	974	90	<7	<5	<4	3660	<1	<4	<30	3.9	<100
T13363	0.3	<1	2810	16	40	0.2	512	193000	64	8.2	4	18	241	622	100	<7	<5	<4	3250	<1	5	<30	3.3	<100
T13364	0.2	<1	2970	11	20	0.2	655	255000	88	7.6	3	9	150	988	50	<7	<5	<4	3050	<1	17	<30	1.9	<100
T13365	0.4	<1	3120	17	20	0.2	548	250000	68	8.6	3	14	133	927	50	<7	<5	<4	3480	<1	7	<30	3.2	<100
T13366	0.5	<1	3050	20	30	<0.2	482	185000	51	11.9	4	18	167	967	70	<7	<5	<4	3390	<1	5	<30	3.2	<100
T13367	<0.2	<1	2900	10	20	0.2	592	235000	23	6.8	3	8	653	863	30	<7	<5	<4	2880	<1	14	<30	1.3	<100
T13368	0.3	<1	3320	17	50	<0.2	634	391000	46	10.3	5	14	1650	1060	50	<7	<5	<4	4860	<1	6	<30	1.5	<100
T13369	1.0	<1	3120	43	140	0.2	725	441000	117	27.5	10	34	3580	925	130	<7	9	<4	2950	<1	13	<30	9.4	<100
T13370	0.7	<1	2540	32	100	0.5	557	403000	59	20.0	7	26	2020	720	90	<7	7	<4	1990	<1	12	<30	5.5	<100
T13371	0.7	<1	4280	28	120	<0.2	713	422000	65	18.8	23	29	1300	1050	80	<7	7	<4	3530	<1	8	<30	5.8	<100
T13372	0.5	<1	3170	21	110	0.4	479	291000	76	13.9	5	20	1040	833	90	<7	<5	<4	2570	<1	6	<30	4.1	<100
T13373	0.5	<1	2850	24	60	<0.2	527	280000	44	15.6	6	22	881	651	100	<7	5	<4	2750	<1	<4	<30	5.8	<100
T13374	0.5	<1	2870	29	70	0.2	527	307000	41	13.3	5	19	1190	680	80	<7	5	<4	3770	<1	10	<30	5.0	<100
T13375	0.5	<1	3450	23	50	<0.2	789	319000	79	9.8	5	18	2420	1000	100	<7	<5	4	6550	<1	7	<30	3.1	<100
T13376	0.4	<1	3320	20	50	<0.2	555	354000	36	10.0	4	16	976	911	50	<7	<5	<4	5040	<1	13	90	3.6	<100
T13377	0.4	<1	3460	22	50	0.5	780	492000	58	12.3	6	19	1530	1140	70	<7	5	9	5420	<1	44	<30	4.4	<100
T13378	0.7	<1	3250	43	80	0.4	526	453000	68	16.9	8	33	864	939	110	<7	8	<4	3600	<1	5	70	5.7	<100
T13379	0.8	<1	3120	37	60	0.9	487	447000	98	13.3	6	27	1180	894	100	<7	6	<4	4270	<1	10	50	5.3	<100
T13380	0.5	<1	3450	25	60	0.7	568	522000	94	14.5	7	23	1180	1040	100	<7	6	<4	2960	<1	9	80	4.2	<100
T13381	0.8	<1	3370	38	60	0.4	584	320000	78	13.8	6	33	932	914	120	<7	8	<4	4470	<1	8	<30	7.6	<100
T13382	0.7	<1	3400	43	150	0.8	613	344000	95	17.3	8	43	750	1030	130	<7	11	<4	4370	<1	<4	60	9.6	<100
T13383	0.7	<1	2980	35	100	0.7	634	340000	107	17.5	9	30	1260	1010	120	<7	8	<4	3630	<1	6	<30	6.1	<100
T13384	0.8	<1	2790	30	100	0.4	598	329000	91	17.1	8	31	1080	893	120	<7	6	<4	3400	<1	<4	80	6.4	<100
T13385	0.9	<1	2860	45	160	<0.2	693	334000	175	20.6	9	35	1360	992	120	<7	10	<4	3290	<1	7	<30	6.8	<100
T13386	0.7	<1	3110	26	120	0.4	667	299000	144	18.9	55	25	1580	1050	110	<7	7	<4	5710	<1	5	<30	5.4	<100
T13387	1.5	<1	3320	49	160	0.4	782	261000	226	32.1	16	46	1280	1040	150	<7	12	<4	4970	<1	10	<30	12.5	<100
T13388	1.2	<1	2730	39	90	0.7	845	184000	244	27.0	11	37	604	974	140	<7	9	<4	3330	<1	7	<30	8.7	<100
T13389	1.0	<1	2860	47	160	0.9	757	140000	220	35.3	16	42	566	942	140	<7	11	<4	3190	<1	12	<30	9.2	<100
T13390	2.0	<1	2990	66	240	0.9	746	126000	143	42.4	18	63	487	1050	190	<7	16	<4	3560	<1	14	110	15.9	<100
T13391	0.7	<1	3330	25	100	<0.2	576	156000	84	14.9	8	24	433	1080	100	<7	8	<4	2440	<1	8	<30	4.8	<100
T13392	0.6	<1	3500	31	100	<0.2	630	145000	76	14.1	7	21	410	1280	80	<7	7	<4	3100	<1	<4	<30	6.0	<100
T13393	0.7	<1	3120	33	120	<0.2	550	193000	68	16.4	8	30	390	979	120	<7	8	<4	1990	<1	8	<30	5.2	<100
T13394	1.8	<1	2310	59	220	1.5	495	224000	66	31.2	14	61	542	720	230	<7	13	<4	1240	<1	6	30	11.5	<100
T13395	1.5	<1	2860	59	270	0.8	592	284000	86	30.0	15	54	642	936	190	<7	14	<4	1720	<1	<4	30	12.3	<100
T13396	1.3	<1	2720	49	210	0.7	562	223000	89	27.3	12	40	519	851	130	<7	11	<4	1560	<1	<4	70	7.3	<100
T13397	1.7	<1	2530	54	290	0.7	563	150000	133	28.9	14	51	590	927	190	<7	14	<4	1430	<1	<4	30	12.0	<100
T13398	1.9	<1	2460	74	440	0.7	703	263000	105	37.7	19	68	829	828	250	<7	18	<4	1740	<1	9	50	14.8	<100
T13399	1.4	<1	2400	55	270	0.7	528	289000	62	25.9	16	51	463	790	160	<7	13	<4	1670	<1	<4	<30	10.7	<100
T13400	0.8	<1	2990	34	60	0.3	523	262000	53	16.7	8	31	438	931	170	<7	8	<4	2480	<1	5	<30	6.1	<100
T13401	0.5	<1	2480	19	70	<0.2	487	252000	62	11.1	5	18	444	617	80	<7	<5	<4	2280	<1	4	<30	2.8	<100
T13402	0.4	<1	2540	21	300	<0.2	542	282000	208	10.6	6	15	1280	875	130	<7	<5	<4	1620	<1	16	<30	3.8	<100
T13403	0.4	<1	2920	25	150	<0.2	748	189000	72	10.6	5	20	1330	964	70	<7	<5	<4	2120	<1	<4	<30	5.2	<100
T13404	0.3	<1	2600	23	120	0.4	600	181000	65	11.0	6	20	889	888	80	<7	<5	<4	1680	<1	<4	<30	3.8	<100
T13405	0.5	<1	3230	25	140	0.7	693	282000	64	11.0	5	19	783	1120	70	<7	5	<4	1530	<1	<4	<30	4.7	<100
T13406	0.8	<1	3100	26	190	0.4	569	382000	66	13.3	7	22	388	814	80	<7	7	<4	2210	<1	<4	50	5.7	<100
T13407	0.4	<1	2560	27	130	0.3	515	258000	106	16.9	10	24	638	750	80	<7	6	<4	1970	<1	<4	70	4.1	<100

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Analyte Symbol	Ho	In	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb	Re	Sb	Se	Sm	Sn
Unit Symbol	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.2	1	0.08	3	20	0.2	0.6	20	1	0.4	2	1	3	0.3	20	7	5	4	20	1	4	30	0.2	100
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
T13408	1.1	< 1	2590	45	240	0.4	565	188000	110	23.8	11	36	510	819	130	< 7	9	< 4	1930	< 1	6	50	8.6	< 100
T13409	1.0	< 1	2560	37	220	< 0.2	514	117000	180	17.6	9	34	444	840	100	< 7	8	< 4	2160	< 1	< 4	< 30	8.3	< 100
T13410	1.3	< 1	2620	46	350	0.3	608	123000	121	26.3	14	44	387	814	140	< 7	10	< 4	2580	< 1	< 4	< 30	9.1	< 100
T13411	0.8	< 1	3510	28	40	< 0.2	818	105000	172	15.1	7	23	411	1070	110	< 7	7	< 4	5740	< 1	5	< 30	5.4	< 100
T13412	0.6	< 1	2650	25	40	< 0.2	645	113000	285	14.1	6	23	348	875	80	< 7	5	< 4	3890	< 1	6	< 30	4.2	< 100
T13413	0.8	< 1	3080	40	60	0.3	604	174000	176	21.9	11	40	615	956	140	< 7	10	< 4	4370	< 1	6	60	7.3	< 100
T13414	1.2	< 1	3070	53	70	0.8	784	199000	107	33.5	15	49	799	978	150	< 7	13	< 4	5120	< 1	7	< 30	11.2	< 100
T13415	1.9	< 1	3170	80	110	1.1	760	197000	117	34.1	17	65	1010	967	170	< 7	18	< 4	4630	< 1	< 4	30	12.9	< 100
T13416	0.6	< 1	3280	28	50	0.4	554	216000	83	14.0	10	23	848	820	100	< 7	6	< 4	5740	< 1	< 4	< 30	6.1	< 100
T13417	0.8	< 1	3390	23	50	< 0.2	596	221000	97	14.4	6	22	937	950	90	< 7	5	< 4	7140	< 1	< 4	< 30	4.7	< 100
T13418	1.7	< 1	4000	50	50	1.1	690	220000	217	15.7	8	49	1250	1070	160	< 7	12	< 4	8080	< 1	< 4	< 30	10.4	< 100
T13419	0.6	< 1	2680	28	50	< 0.2	557	261000	96	16.2	7	25	653	821	110	< 7	6	< 4	5540	< 1	< 4	30	5.5	< 100
T13420	0.5	< 1	2710	22	40	< 0.2	544	328000	88	11.8	6	15	674	882	90	< 7	< 5	< 4	5750	< 1	< 4	< 30	4.0	< 100
T13421	0.6	< 1	2730	24	50	0.3	594	405000	68	14.6	6	21	1290	931	100	< 7	5	< 4	5530	< 1	< 4	< 30	6.1	< 100
T13422	0.8	< 1	3200	28	60	0.3	683	374000	70	16.4	7	24	844	1010	110	< 7	7	< 4	6020	< 1	7	40	4.5	< 100
T13423	0.7	< 1	3540	27	90	0.4	559	605000	70	14.3	6	22	758	958	70	< 7	6	< 4	3650	< 1	< 4	< 30	4.3	< 100
T13424	0.9	< 1	3130	31	110	0.7	520	530000	44	18.4	7	28	506	862	80	< 7	8	< 4	3370	< 1	< 4	40	5.5	< 100
T13425	0.3	< 1	3270	31	40	< 0.2	564	247000	22	10.9	4	14	218	975	100	< 7	< 5	< 4	4490	< 1	< 4	< 30	3.8	< 100
T13426	0.6	< 1	3120	22	40	0.5	439	181000	39	10.4	5	20	197	955	60	< 7	< 5	< 4	2780	< 1	< 4	40	3.2	< 100
T13427	2.1	< 1	2850	72	590	0.7	556	372000	52	37.0	19	67	643	823	240	< 7	18	< 4	1980	< 1	< 4	60	14.7	< 100
T13428	1.9	< 1	3270	84	240	1.1	819	291000	85	42.6	21	66	918	1040	190	< 7	17	< 4	2910	< 1	6	40	15.4	< 100
T13429	1.0	< 1	2870	25	110	< 0.2	512	225000	75	16.0	8	21	770	912	80	< 7	6	< 4	2650	< 1	5	80	4.5	< 100
T13430	0.8	< 1	2580	30	130	0.3	524	288000	50	17.7	9	29	661	818	100	< 7	7	< 4	1730	< 1	5	< 30	5.7	< 100
T13431	0.6	< 1	2600	24	270	< 0.2	569	383000	35	12.2	5	20	745	869	110	< 7	< 5	< 4	1630	< 1	< 4	< 30	5.4	< 100
T13432	1.2	< 1	3600	39	210	< 0.2	633	464000	57	19.1	10	32	893	1060	170	< 7	9	< 4	2580	< 1	< 4	< 30	6.5	< 100
T13433	1.2	< 1	2890	60	180	0.4	536	366000	103	23.2	13	49	1290	902	150	< 7	15	< 4	2110	< 1	< 4	< 30	9.1	< 100
T13434	1.8	< 1	2570	71	300	0.4	644	225000	150	37.8	18	71	1180	901	250	< 7	17	< 4	1440	< 1	7	< 30	14.8	< 100
T13435	1.9	< 1	2500	73	180	0.9	549	157000	148	39.3	19	69	1100	866	250	< 7	17	< 4	1630	< 1	5	< 30	15.7	< 100
T13436	2.6	< 1	2530	96	310	< 0.2	528	165000	125	51.3	25	93	849	832	250	< 7	23	< 4	1560	< 1	6	40	17.2	< 100
T13437	1.1	< 1	2350	43	300	0.4	538	216000	91	21.6	9	38	582	768	110	< 7	10	< 4	2140	< 1	< 4	< 30	6.7	< 100
T13438	1.3	< 1	2880	56	350	1.2	557	169000	137	23.2	12	42	571	911	120	< 7	11	< 4	1030	< 1	4	< 30	9.4	< 100
T13439	1.4	< 1	2190	66	280	0.5	544	226000	114	29.5	14	59	647	770	130	< 7	14	< 4	1180	< 1	10	< 30	8.7	< 100
T13440	1.3	< 1	2360	43	150	< 0.2	472	202000	84	22.2	12	35	574	816	150	< 7	9	< 4	1310	< 1	< 4	< 30	7.3	< 100
T13441	1.0	< 1	2020	37	120	< 0.2	446	171000	83	18.6	9	33	564	713	110	< 7	9	< 4	1500	< 1	< 4	< 30	6.7	< 100
T13442	1.0	< 1	2330	38	100	0.5	526	183000	79	20.6	10	32	819	902	160	< 7	8	< 4	1950	< 1	< 4	30	7.1	< 100
T13443	0.7	< 1	2340	40	130	0.3	511	186000	62	15.9	7	35	1070	807	120	< 7	10	< 4	1700	< 1	< 4	< 30	7.5	< 100

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Analyte Symbol	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	100	1	3	3	10	50	1	0.1	1	20	10	1	1	5	20
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
N292759	24500	2	<3	<3	10	3820	11	0.4	6	150	20	29	<1	42600	60
N292760	27200	<1	<3	9	<10	3430	13	0.3	3	130	<10	19	1	46600	60
N292761	24000	1	<3	9	<10	3700	15	0.3	3	130	10	18	2	39500	50
N292762	27400	<1	<3	14	<10	3630	12	0.4	3	160	<10	20	<1	35600	50
N292763	36600	<1	<3	23	<10	3910	17	0.4	4	150	<10	23	<1	32300	60
N292764	33900	1	<3	14	<10	4520	10	0.5	4	190	<10	22	2	26800	60
N292765	20700	2	<3	<3	<10	3830	11	0.4	3	140	<10	18	1	28600	50
N292766	22000	1	<3	5	<10	3380	6	0.3	2	150	<10	17	2	34300	40
N292767	20100	<1	<3	3	<10	4240	6	0.4	5	170	<10	19	2	35100	60
N292768	31000	4	<3	24	<10	3190	2	0.2	2	140	10	17	2	36800	50
N292769	44000	<1	<3	14	<10	4440	7	0.3	4	170	<10	21	2	31600	60
N292770	46700	5	<3	10	<10	4490	8	0.2	7	190	<10	22	4	29600	60
N292771	40300	<1	<3	19	<10	2990	5	0.2	2	100	10	12	2	28900	40
N292772	59800	<1	<3	30	<10	3860	5	0.4	4	170	10	24	1	33700	50
N292773	43700	1	<3	16	<10	2490	6	0.2	2	100	10	10	2	30900	30
N292774	35500	<1	<3	17	<10	3650	11	0.2	2	140	<10	17	2	33500	50
N292775	27400	<1	<3	16	<10	4000	18	0.2	2	150	<10	16	2	43600	50
N292776	54000	<1	<3	26	<10	3990	25	0.4	3	190	<10	20	1	40700	60
N292777	41400	<1	<3	26	<10	3200	18	0.3	2	130	<10	15	<1	28700	40
N292778	24200	<1	<3	14	<10	3270	12	0.3	2	120	<10	16	<1	41900	40
N292779	18000	<1	<3	<3	<10	2810	12	0.1	2	90	<10	12	<1	38200	30
N292780	36000	<1	<3	18	<10	5110	11	0.5	4	200	<10	26	4	46600	70
N292781	28200	<1	<3	32	<10	2680	10	0.3	2	90	<10	14	<1	35500	40
N292782	39500	<1	<3	9	<10	5110	5	0.3	3	230	<10	25	3	44000	70
N292783	32900	<1	<3	17	<10	3220	2	0.3	2	110	<10	16	2	36400	40
N292784	50000	<1	<3	9	<10	6400	3	0.6	4	280	<10	36	3	65700	90
N292785	44800	<1	<3	21	<10	6000	3	0.4	5	250	<10	29	2	57600	90
N292786	52000	1	<3	12	10	9530	3	0.7	6	400	<10	52	4	73000	140
N292787	34000	1	<3	21	10	8260	10	0.6	6	330	<10	40	5	62200	120
N292788	22300	<1	<3	<3	10	4080	7	0.4	3	180	<10	24	1	56200	60
N292789	28300	<1	<3	5	<10	4810	7	0.3	4	200	<10	26	2	46500	70
N292790	29600	<1	<3	3	<10	4590	6	0.4	3	190	<10	26	2	42000	60
N292791	43200	<1	<3	28	<10	4400	9	0.3	3	150	<10	23	3	30500	70
N292792	34900	<1	<3	19	<10	4700	4	0.4	3	200	<10	25	<1	42100	60
N292793	40600	<1	<3	7	<10	4030	9	0.4	3	160	<10	18	2	33700	160
N292794	43300	<1	<3	10	<10	3780	9	0.4	3	150	<10	19	2	28000	60
N292795	52900	<1	<3	21	<10	5160	18	0.5	3	210	<10	28	3	33900	80
N292796	43700	<1	<3	12	<10	4170	13	0.4	3	180	<10	24	2	34000	50
N292797	38800	<1	<3	10	<10	3760	11	0.3	2	220	<10	16	2	33300	50
N292798	34100	<1	<3	24	<10	3990	10	0.4	3	180	<10	19	<1	33200	50
N292799	24400	<1	<3	<3	<10	2760	7	0.2	1	120	<10	11	2	28700	30
N292800	23400	<1	<3	12	<10	4530	6	0.4	3	170	<10	21	3	37800	70
N292801	25900	<1	<3	3	<10	2180	4	0.2	1	90	<10	12	1	29100	20
N292802	28400	<1	<3	3	<10	3400	4	0.3	3	110	<10	15	<1	33500	50
N292803	29100	<1	<3	3	<10	2900	4	0.3	2	100	<10	14	1	29200	30
N292804	25400	<1	<3	19	<10	3440	5	0.2	2	140	<10	10	<1	35600	40
N292805	23600	<1	<3	12	<10	2690	4	0.2	1	90	<10	15	2	35700	30
N292806	25700	<1	<3	16	<10	2970	6	0.3	2	110	<10	15	<1	33700	100
N292807	31600	<1	<3	23	<10	2600	4	0.3	1	90	30	13	1	36100	40
N292808	31300	<1	<3	12	<10	2170	8	0.2	1	100	<10	10	<1	38300	20
N292809	31900	<1	<3	10	<10	1870	4	0.2	1	40	<10	10	1	35700	20
N292810	31100	<1	<3	15	<10	2170	7	0.2	1	60	<10	10	<1	35700	20

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Analyte Symbol Unit Symbol Detection Limit Analysis Method	Sr		Te		Tb		Tc		Th		Tl		Tm		U		V		W		Y		Yb		Zn		Zr	
	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS
N292811	36400	<1	<3	<3	14	<10	2040	7	0.2	<1	50	10	7	<1	32600	30	<1	40800	30	<1	40800	30	<1	32600	30	<1	40800	30
N292812	34400	<1	<3	28	<10	2570	7	0.3	1	60	<10	10	10	1	40800	30	<1	40800	30	<1	40800	30	<1	40800	30	<1	40800	30
N292813	29000	<1	<3	7	<10	3070	4	0.2	2	80	<10	16	2	80	<10	16	2	80	<10	16	2	80	<10	16	2	80	<10	16
N292814	23500	<1	<3	22	<10	2340	5	0.3	1	70	<10	12	1	70	<10	12	1	70	<10	12	1	70	<10	12	1	70	<10	12
N292815	17600	<1	<3	5	<10	2240	3	0.2	2	60	<10	20	11	<1	35300	30	<1	35300	30	<1	35300	30	<1	35300	30	<1	35300	30
N292816	21900	<1	<3	7	<10	2330	4	0.2	1	70	<10	10	10	1	34600	30	<1	34600	30	<1	34600	30	<1	34600	30	<1	34600	30
N292817	20800	<1	<3	7	<10	2090	4	0.2	1	60	<10	9	9	<1	30400	20	<1	30400	20	<1	30400	20	<1	30400	20	<1	30400	20
N292818	33000	<1	<3	19	<10	3490	11	0.3	2	110	<10	18	18	<1	41500	50	<1	41500	50	<1	41500	50	<1	41500	50	<1	41500	50
N292819	27200	<1	<3	28	<10	3360	5	0.4	2	90	<10	16	16	1	30500	40	<1	30500	40	<1	30500	40	<1	30500	40	<1	30500	40
N292820	24700	<1	<3	12	<10	3780	3	0.4	2	130	<10	17	17	<1	33400	50	<1	33400	50	<1	33400	50	<1	33400	50	<1	33400	50
N292821	23400	<1	<3	15	<10	3090	5	0.3	3	80	<10	12	12	1	34500	60	<1	34500	60	<1	34500	60	<1	34500	60	<1	34500	60
N292822	26700	<1	<3	22	<10	2890	4	0.2	2	60	<10	12	2	60	<10	12	2	60	<10	12	2	60	<10	12	2	60	<10	12
N292823	30200	<1	<3	12	<10	5070	8	0.3	3	210	<10	22	22	2	46300	80	<1	46300	80	<1	46300	80	<1	46300	80	<1	46300	80
N292824	27000	<1	<3	7	<10	4690	8	0.3	3	160	<10	24	24	4	41000	70	<1	41000	70	<1	41000	70	<1	41000	70	<1	41000	70
N292825	34800	<1	<3	10	<10	5480	8	0.4	3	180	<10	26	26	3	34400	80	<1	34400	80	<1	34400	80	<1	34400	80	<1	34400	80
N292826	37900	<1	<3	31	<10	4650	7	0.4	3	150	<10	22	22	1	28700	70	<1	28700	70	<1	28700	70	<1	28700	70	<1	28700	70
N292827	44700	<1	<3	18	<10	4140	7	0.4	2	170	<10	20	20	1	35400	60	<1	35400	60	<1	35400	60	<1	35400	60	<1	35400	60
N292828	43400	<1	<3	12	<10	4690	7	0.4	3	160	<10	21	21	1	43300	60	<1	43300	60	<1	43300	60	<1	43300	60	<1	43300	60
N292829	50200	<1	<3	31	<10	3530	4	0.2	3	180	<10	18	18	1	52700	50	<1	52700	50	<1	52700	50	<1	52700	50	<1	52700	50
N292830	51700	<1	<3	27	<10	4850	5	0.3	3	160	<10	28	28	2	54900	70	<1	54900	70	<1	54900	70	<1	54900	70	<1	54900	70
N292831	23500	<1	<3	10	<10	3190	2	0.1	2	100	<10	13	13	1	47700	40	<1	47700	40	<1	47700	40	<1	47700	40	<1	47700	40
N292832	28000	<1	<3	13	<10	3410	11	0.5	2	170	<10	14	14	<1	39400	30	<1	39400	30	<1	39400	30	<1	39400	30	<1	39400	30
N292833	33200	<1	<3	17	<10	3630	13	0.3	2	150	<10	16	16	1	38000	40	<1	38000	40	<1	38000	40	<1	38000	40	<1	38000	40
N292834	38200	<1	<3	8	<10	2780	7	0.3	2	90	<10	15	15	2	39100	60	<1	39100	60	<1	39100	60	<1	39100	60	<1	39100	60
N292835	38700	<1	<3	26	<10	3160	5	0.3	2	90	<10	14	14	2	44300	40	<1	44300	40	<1	44300	40	<1	44300	40	<1	44300	40
N292836	38300	<1	<3	18	<10	3590	4	0.2	2	140	<10	18	18	<1	51200	40	<1	51200	40	<1	51200	40	<1	51200	40	<1	51200	40
N292837	35800	<1	<3	17	<10	3720	16	0.4	2	120	<10	20	20	3	55300	50	<1	55300	50	<1	55300	50	<1	55300	50	<1	55300	50
N292838	33800	<1	<3	24	<10	4430	9	0.3	2	160	<10	23	23	1	53700	70	<1	53700	70	<1	53700	70	<1	53700	70	<1	53700	70
N292839	29800	<1	<3	20	<10	3550	4	0.3	2	160	<10	17	17	1	44700	40	<1	44700	40	<1	44700	40	<1	44700	40	<1	44700	40
N292840	35600	<1	<3	10	<10	5000	5	0.4	4	320	<10	25	25	3	44600	90	<1	44600	90	<1	44600	90	<1	44600	90	<1	44600	90
N292841	30300	<1	<3	14	<10	3180	9	0.3	2	110	<10	15	15	1	52600	40	<1	52600	40	<1	52600	40	<1	52600	40	<1	52600	40
N292842	34100	<1	<3	12	<10	4770	9	0.3	3	190	<10	21	21	1	57200	60	<1	57200	60	<1	57200	60	<1	57200	60	<1	57200	60
N292843	30800	<1	<3	7	<10	3650	6	0.3	2	160	<10	15	15	1	51700	50	<1	51700	50	<1	51700	50	<1	51700	50	<1	51700	50
N292844	28900	<1	<3	10	<10	2710	7	0.1	2	100	<10	14	14	1	46300	40	<1	46300	40	<1	46300	40	<1	46300	40	<1	46300	40
N292845	29700	<1	<3	22	<10	4600	4	0.4	3	170	<10	21	21	2	51400	60	<1	51400	60	<1	51400	60	<1	51400	60	<1	51400	60
N292846	22600	<1	<3	12	<10	3650	4	0.4	2	110	<10	16	16	1	41100	50	<1	41100	50	<1	41100	50	<1	41100	50	<1	41100	50
N292847	24600	<1	<3	24	<10	2510	6	0.2	2	100	<10	10	10	<1	50400	30	<1	50400	30	<1	50400	30	<1	50400	30	<1	50400	30
N292848	24100	<1	<3	15	<10	2180	12	0.2	1	60	<10	11	11	1	34700	30	<1	34700	30	<1	34700	30	<1	34700	30	<1	34700	30
N292849	22600	<1	<3	<3	<10	2310	11	0.3	1	100	<10	12	12	2	44700	40	<1	44700	40	<1	44700	40	<1	44700	40	<1	44700	40
N292850	20500	<1	<3	<3	<10	2740	10	0.2	2	100	<10	20	20	13	42500	40	<1	42500	40	<1	42500	40	<1	42500	40	<1	42500	40
N292851	24300	<1	<3	7	<10	4200	9	0.2	2	130	<10	18	18	3	52000	60	<1	52000	60	<1	52000	60	<1	52000	60	<1	52000	60
N292852	29200	<1	<3	11	<10	2870	8	0.2	1	120	<10	13	13	1	42200	40	<1	42200	40	<1	42200	40	<1	42200	40	<1	42200	40
N292853	30600	<1	<3	7	<10	4000	11	0.4	3	150	<10	21	21	2	42500	50	<1	42500	50	<1	42500	50	<1	42500	50	<1	42500	50
N292854	35500	<1	<3	18	<10	4500	8	0.3	2	180	<10	20	20	2	47100	60	<1	47100	60	<1	47100	60	<1	47100	60	<1	47100	60
N292855	34000	<1	<3	25	<10	3600	3	0.3	3	120	<10	16	16	3	49000	40	<1	49000	40	<1	49000	40	<1	49000	40	<1	49000	40
N292856	27600	<1	<3	16	<10	2970	6	0.2	2	100	<10	14	14	2	36200	50	<1	36200	50	<1	36200	50	<1	36200	50	<1	36200	50
N292857	29600	<1	<3	<3	<10	4720	8	0.3	3	250	<10	22	22	4	46900	70	<1	46900	70	<1	46900	70	<1	46900	70	<1	46900	70
N292858	33600	<1	<3	11	<10	4150	7	0.2	2	160	<10	19	19	2	53400	60	<1	53400	60	<1	53400	60	<1	53400	60	<1	53400	60
N292859	28600	<1	<3	12	<10	3790	8	0.3	2	130	<10	16	16	<1	52100	80	<1	52100	80	<1	52100	80	<1	52100	80	<1	52100	80
N292860	22800	<1	<3	16	<10	2770	8	0.1	1	90																		

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Analyte Symbol	Sr	Ta	Tb	Te	Th	Tl	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	100	1	3	3	10	50	1	0.1	1	20	10	1	1	5	20
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
N292853	30800	< 1	< 3	5	< 10	3320	15	0.2	3	170	< 10	14	1	42500	40
N292854	37400	< 1	< 3	16	10	9250	14	0.9	5	370	< 10	41	4	64000	140
N292855	37500	< 1	< 3	4	< 10	5300	9	0.5	4	230	< 10	29	3	42400	80
N292856	35900	< 1	< 3	12	< 10	3130	6	0.3	2	140	< 10	15	1	41500	40
N292857	33900	7	< 3	9	< 10	4180	4	0.2	2	170	10	18	2	44600	80
N292858	35500	< 1	< 3	< 3	< 10	2830	7	0.3	1	120	< 10	14	< 1	49200	40
N292859	32700	< 1	< 3	30	< 10	4970	5	0.5	3	150	< 10	21	1	48200	70
N292870	27900	< 1	< 3	13	< 10	2210	6	0.2	< 1	60	< 10	8	1	38600	30
N292871	33000	< 1	< 3	5	< 10	4170	6	0.5	2	140	30	21	2	44200	60
N292872	23900	< 1	< 3	11	< 10	2990	3	0.2	2	130	< 10	14	< 1	39100	40
T13001	26700	< 1	< 3	14	< 10	6290	3	0.5	4	250	< 10	31	2	52400	80
T13002	25700	< 1	< 3	11	< 10	4530	2	0.5	3	160	< 10	22	2	48000	50
T13003	32000	1	< 3	18	< 10	7050	3	0.7	3	270	< 10	35	4	58800	90
T13004	21100	< 1	< 3	4	< 10	5580	3	0.4	3	260	< 10	24	2	47900	70
T13005	25100	1	< 3	7	10	11400	6	0.9	6	430	< 10	54	5	60700	140
T13006	22400	1	< 3	9	10	9480	5	1.0	5	380	< 10	49	6	57100	110
T13007	20000	< 1	< 3	< 3	< 10	6760	5	0.6	3	270	< 10	36	4	59000	80
T13008	31900	1	< 3	9	10	9510	7	1.0	4	430	< 10	51	3	69900	110
T13009	26200	< 1	< 3	25	< 10	6440	4	0.6	3	260	< 10	33	2	50500	70
T13010	23900	< 1	< 3	5	< 10	4490	1	0.5	3	170	< 10	22	4	53100	50
T13011	30100	< 1	< 3	11	< 10	6070	2	0.7	3	240	< 10	29	5	57800	80
T13012	26500	< 1	< 3	4	10	7960	3	0.5	4	280	< 10	40	3	54800	90
T13013	55300	< 1	< 3	21	10	8260	3	0.7	4	260	< 10	32	2	72200	70
T13014	36100	< 1	< 3	11	< 10	7660	2	0.7	4	350	20	37	4	60400	90
T13015	30400	< 1	< 3	4	< 10	7900	2	0.7	4	350	< 10	34	5	61500	90
T13016	28300	< 1	< 3	20	10	7930	4	0.7	4	310	< 10	37	4	60600	90
T13017	32300	1	< 3	5	20	13100	3	1.2	7	590	< 10	65	9	57400	170
T13018	41600	< 1	< 3	9	< 10	6950	5	0.5	4	260	< 10	34	2	52100	90
T13019	33100	< 1	< 3	5	< 10	4530	4	0.7	2	190	< 10	19	3	54900	50
T13020	32500	< 1	< 3	20	< 10	4460	3	0.4	2	140	< 10	19	2	59700	50
T13021	37300	2	< 3	9	< 10	5360	3	1.4	3	220	10	107	7	80000	60
T13022	33500	< 1	< 3	13	< 10	6540	3	0.8	3	290	< 10	31	5	70700	70
T13023	45100	< 1	< 3	23	< 10	5320	4	0.5	2	200	< 10	22	3	50800	60
T13024	31500	< 1	< 3	7	< 10	6090	5	0.6	3	250	< 10	26	4	53100	70
T13025	26400	1	< 3	14	10	10200	6	0.6	5	350	< 10	52	9	48800	120
T13026	18100	< 1	< 3	15	< 10	4930	6	0.4	3	230	< 10	22	1	44300	60
T13027	17000	< 1	< 3	13	< 10	5940	6	0.6	4	280	< 10	27	6	42500	70
T13028	18800	< 1	< 3	14	< 10	8050	7	1.3	4	290	< 10	40	6	41800	110
T13029	25100	< 1	< 3	< 3	< 10	6710	9	0.8	4	350	< 10	32	4	40300	90
T13030	23800	< 1	< 3	< 3	< 10	4940	8	0.4	3	250	< 10	25	5	37600	60
T13031	32400	1	< 3	< 3	10	9980	6	0.7	5	430	< 10	52	5	40500	130
T13032	27300	< 1	< 3	4	< 10	7000	4	0.9	4	250	10	33	2	38600	80
T13033	23400	< 1	< 3	9	< 10	4500	5	0.4	2	200	< 10	23	2	39300	60
T13034	19800	< 1	< 3	7	< 10	4330	4	0.5	3	150	< 10	18	< 1	34400	50
T13035	33500	< 1	< 3	20	< 10	7830	5	0.6	4	300	40	38	6	45700	100
T13036	36000	< 1	< 3	9	10	9750	6	1.0	6	430	< 10	54	6	39700	140
T13037	32900	< 1	< 3	18	< 10	6950	7	0.6	3	280	10	34	2	38000	90
T13038	24400	< 1	< 3	9	< 10	3640	5	0.4	6	150	< 10	18	2	28800	100
T13039	23900	< 1	< 3	23	10	7190	8	0.8	4	280	< 10	32	5	37000	90
T13040	22000	< 1	< 3	14	< 10	2630	5	0.4	1	100	30	11	2	28200	30
T13041	22600	< 1	< 3	< 3	< 10	5540	3	0.3	3	240	20	25	4	43500	70
T13042	25700	< 1	< 3	8	< 10	5490	6	0.3	3	190	< 10	25	3	37600	60

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Analyte Symbol Unit Symbol Detection Limit Analysis Method	Sr		Tb		Te		Th		Tl		Tl		Tm		U		V		W		Y		Zn		Zr							
	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS				
T13043	30200	<1	<3	<10	10	<10	3510	6	0.3	2	140	<10	16	1	38900	40																
T13044	33300	<1	<3	12	<10	4550	4	0.2	2	170	<10	20	2	40300	50																	
T13045	32700	<1	<3	17	<10	5380	5	0.4	3	200	<10	23	3	46100	60																	
T13046	28900	<1	<3	18	<10	4870	5	0.2	3	190	<10	20	2	42500	60																	
T13047	32200	<1	<3	13	<10	5810	3	0.4	3	230	<10	29	2	36200	70																	
T13048	37700	<1	<3	33	<10	5740	7	0.4	3	230	<10	30	4	32900	60																	
T13049	33800	<1	<3	17	<10	6170	11	0.6	3	220	<10	31	2	37700	70																	
T13050	40200	<1	<3	29	<10	6090	6	0.6	4	240	<10	32	2	39100	70																	
T13051	33800	<1	<3	10	<10	4740	4	0.4	3	170	<10	23	2	34700	60																	
T13052	43700	<1	<3	21	10	7940	5	0.5	5	260	<10	37	4	51000	90																	
T13053	42500	<1	<3	23	10	8000	4	0.6	4	310	<10	35	2	60700	90																	
T13054	50300	<1	<3	23	<10	7570	6	0.5	4	320	<10	41	2	52800	90																	
T13055	53600	<1	<3	29	<10	6830	6	0.7	4	270	<10	36	3	51200	80																	
T13056	27200	1	<3	21	10	6780	5	0.3	4	240	<10	35	4	56300	80																	
T13057	29800	<1	<3	21	10	7060	14	0.6	4	310	<10	39	4	74700	100																	
T13058	28800	1	<3	4	10	10700	17	1.1	6	450	<10	59	5	59400	140																	
T13059	38100	<1	<3	6	10	9640	16	0.6	5	400	<10	52	6	60800	110																	
T13060	31700	1	<3	12	10	10900	17	0.7	6	400	<10	53	5	49800	140																	
T13061	30100	<1	<3	4	<10	7060	18	0.6	4	260	<10	36	4	36800	90																	
T13062	22500	<1	<3	10	<10	4780	11	0.4	6	190	<10	25	<1	35900	50																	
T13063	55800	<1	<3	25	<10	6550	7	0.6	4	250	<10	40	4	41800	90																	
T13064	62100	<1	<3	17	<10	8060	7	0.6	4	300	<10	42	3	48900	90																	
T13065	38500	<1	<3	22	<10	5630	6	0.7	3	190	<10	27	3	48500	70																	
T13066	42400	<1	<3	31	<10	5190	3	0.4	2	160	<10	24	<1	42100	50																	
T13067	42400	<1	<3	31	<10	5370	5	0.3	3	180	<10	27	4	41100	60																	
T13068	55200	1	<3	17	10	8710	6	0.6	5	360	<10	37	6	52500	110																	
T13069	53400	1	<3	29	<10	8380	7	0.4	4	340	<10	38	4	54000	90																	
T13070	50400	<1	<3	27	<10	4980	5	0.5	3	180	<10	25	4	49800	50																	
T13071	36600	<1	<3	10	<10	4770	6	0.5	3	210	<10	25	3	77300	60																	
T13072	20100	<1	<3	14	<10	3260	4	0.2	2	120	<10	15	2	43400	40																	
T13073	23000	<1	<3	23	<10	3190	3	0.2	4	120	<10	14	<1	34000	30																	
T13074	25600	<1	<3	6	<10	3810	3	0.3	2	140	<10	19	2	51300	40																	
T13075	22000	<1	<3	<3	<10	2690	3	0.2	2	80	<10	12	2	42600	30																	
T13076	23400	<1	<3	<3	<10	5080	3	0.6	3	190	<10	23	2	42300	60																	
T13077	24100	<1	<3	8	<10	4690	4	0.3	3	180	<10	22	4	29400	50																	
T13078	29600	<1	<3	8	<10	4950	3	0.3	3	170	<10	19	3	26000	60																	
T13079	31800	<1	<3	17	10	7360	3	0.7	4	290	<10	36	5	33300	100																	
T13080	32200	<1	<3	8	<10	5930	4	0.6	4	210	<10	32	4	32800	60																	
T13081	32900	<1	<3	21	<10	4250	1	0.4	3	160	<10	20	1	28900	50																	
T13082	31800	1	<3	17	<10	5600	3	0.5	3	230	<10	27	2	30100	60																	
T13083	28200	<1	<3	19	<10	6270	5	0.5	3	200	<10	33	5	33600	70																	
T13084	27900	<1	<3	31	<10	6720	5	0.6	4	310	<10	35	5	33400	100																	
T13085	35100	<1	<3	19	<10	6500	3	0.6	3	230	<10	31	3	42400	130																	
T13086	27700	3	<3	33	10	6520	5	0.6	3	270	<10	30	3	41400	110																	
T13087	23400	<1	<3	23	<10	1850	2	0.1	1	50	<10	10	1	45900	20																	
T13088	28300	<1	<3	25	<10	3870	2	0.4	3	150	<10	20	<1	44000	60																	
T13089	33400	<1	<3	10	<10	5650	4	0.6	3	200	<10	26	1	45900	90																	
T13090	29700	<1	<3	15	<10	4710	4	0.4	2	180	<10	30	2	38900	60																	
T13091	32700	<1	<3	27	<10	5900	5	0.7	4	240	<10	29	6	44400	90																	
T13092	33100	<1	<3	8	<10	5190	4	0.5	3	190	<10	24	3	40100	70																	
T13093	36600	<1	<3	15	<10	3520	4	0.4	2	140	<10	16	2	37000	50																	
T13094	30400	<1	<3	12	<10	5090	3	0.5	3	170	<10	24	3	40800	60																	

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Analyte Symbol	Sr	Ta	Tb	Te	Th	Tl	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	100	1	3	3	10	50	1	0.1	1	20	10	1	1	5	20
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
T13095	33300	< 1	< 3	8	< 10	6810	4	0.6	3	270	< 10	40	3	63600	90
T13096	14200	< 1	< 3	< 3	< 10	4480	3	0.8	2	170	< 10	23	2	45500	100
T13097	22900	< 1	< 3	< 3	< 10	6580	5	0.6	4	210	< 10	32	3	70700	80
T13098	50000	1	< 3	10	20	9660	5	0.7	6	430	< 10	55	6	102000	120
T13099	64200	< 1	< 3	18	< 10	6120	3	0.7	3	200	< 10	33	2	72900	180
T13100	46900	< 1	< 3	< 3	< 10	6140	4	0.5	3	280	< 10	34	6	55900	70
T13101	59300	< 1	< 3	12	< 10	8780	4	0.7	4	320	10	43	5	66700	110
T13102	60400	1	< 3	16	10	9990	5	0.8	7	390	10	58	5	72500	130
T13103	54400	< 1	< 3	33	10	8910	9	0.6	5	380	< 10	44	7	69200	100
T13104	61400	1	< 3	23	10	7330	10	0.7	4	340	< 10	39	3	58600	90
T13105	42300	< 1	< 3	13	< 10	8220	5	0.6	3	280	< 10	32	2	55000	80
T13106	45400	< 1	< 3	6	< 10	4140	3	0.4	3	170	20	19	< 1	46000	40
T13107	38700	< 1	< 3	20	< 10	6720	5	0.7	4	280	10	36	3	56400	80
T13108	40000	< 1	< 3	12	< 10	7200	4	0.5	4	250	< 10	33	3	52700	90
T13109	26200	< 1	< 3	4	< 10	5940	5	0.5	3	210	< 10	26	3	43000	70
T13110	26000	< 1	< 3	10	< 10	6410	7	0.5	3	290	< 10	28	2	45500	80
T13111	31100	< 1	< 3	< 3	< 10	5740	4	0.5	4	260	< 10	30	< 1	42800	70
T13112	25900	< 1	< 3	10	10	6920	3	0.5	4	280	< 10	30	3	46100	100
T13113	30700	< 1	< 3	23	< 10	7720	5	0.7	4	300	20	41	6	59600	90
T13114	26000	< 1	< 3	4	< 10	5200	5	0.5	3	250	< 10	25	4	62200	70
T13115	26200	< 1	< 3	< 3	< 10	8150	4	0.8	5	330	< 10	45	4	53000	100
T13116	22600	< 1	< 3	6	< 10	5730	2	0.4	3	230	< 10	35	2	41900	200
T13117	20900	< 1	< 3	6	< 10	4950	4	0.4	3	240	< 10	23	< 1	51300	100
T13118	29300	< 1	< 3	12	< 10	5780	4	0.5	4	230	< 10	31	3	45000	70
T13119	28900	1	< 3	10	20	10300	5	0.7	6	430	< 10	54	3	65600	130
T13120	24000	< 1	< 3	< 3	10	7330	5	0.5	5	330	< 10	43	8	58500	90
T13121	28100	< 1	< 3	10	< 10	7430	4	0.5	5	260	< 10	36	3	44500	90
T13122	31800	< 1	< 3	14	< 10	5530	5	0.7	3	170	< 10	21	2	48500	60
T13123	26900	< 1	< 3	12	< 10	7000	18	0.6	3	250	< 10	35	< 1	53800	80
T13124	27800	< 1	< 3	16	< 10	5320	17	0.6	3	210	< 10	27	3	45800	70
T13125	35900	< 1	< 3	< 3	< 10	5010	14	0.3	3	230	30	28	5	65600	70
T13126	29000	< 1	< 3	16	< 10	3630	5	0.3	2	150	< 10	18	2	53800	50
T13127	33300	< 1	< 3	25	< 10	4250	3	0.5	2	170	< 10	29	1	56200	60
T13128	30800	< 1	< 3	10	< 10	5980	2	0.3	3	280	< 10	32	4	49800	70
T13129	34800	< 1	< 3	14	< 10	5210	2	0.4	3	160	< 10	24	2	44400	70
T13130	31600	< 1	< 3	6	< 10	5580	2	0.7	3	250	< 10	26	3	44000	80
T13131	39100	< 1	< 3	10	< 10	8580	3	0.5	5	320	< 10	45	3	39800	110
T13132	43600	< 1	< 3	< 3	10	9440	3	0.7	5	370	60	55	4	54400	160
T13133	47100	< 1	< 3	14	< 10	7080	2	0.6	4	350	< 10	41	6	55800	90
T13134	38000	< 1	< 3	8	< 10	4860	3	0.4	3	230	< 10	25	2	62200	70
T13135	38200	< 1	< 3	10	10	9570	2	1.0	6	430	< 10	54	6	65600	120
T13136	28600	< 1	< 3	14	< 10	8300	3	0.8	5	370	< 10	40	4	50900	100
T13137	19900	< 1	< 3	4	< 10	5370	3	0.4	4	280	< 10	29	2	52000	80
T13138	25100	< 1	< 3	< 3	< 10	5180	3	0.6	3	290	< 10	28	1	38000	60
T13139	28600	< 1	< 3	< 3	< 10	5820	3	0.8	4	250	< 10	34	4	46500	70
T13140	22600	< 1	< 3	< 3	< 10	5910	4	0.4	4	250	< 10	33	4	39200	70
T13141	29100	< 1	< 3	6	10	7620	5	0.5	4	320	< 10	42	4	42100	100
T13142	39100	1	< 3	6	10	7390	6	0.8	4	320	< 10	41	2	43100	90
T13143	18100	< 1	< 3	4	< 10	4210	4	0.2	2	190	< 10	21	< 1	26700	50
T13144	19700	< 1	< 3	20	< 10	5050	6	0.6	3	230	< 10	30	4	35100	70
T13145	18500	2	< 3	10	< 10	4110	7	0.3	2	150	< 10	22	< 1	35900	50
T13146	19700	< 1	< 3	6	< 10	3150	6	0.2	2	160	< 10	15	< 1	31800	30

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Analyte Symbol	Unit Symbol	Detection Limit	Analysis Method
Sr	ppb	100	AR-MS
Ta	ppb	1	AR-MS
Tb	ppb	3	AR-MS
Te	ppb	3	AR-MS
Th	ppb	10	AR-MS
Ti	ppb	50	AR-MS
Tm	ppb	0.1	AR-MS
U	ppb	1	AR-MS
V	ppb	20	AR-MS
W	ppb	10	AR-MS
X	ppb	1	AR-MS
Yb	ppb	1	AR-MS
Zn	ppb	5	AR-MS
Zr	ppb	20	AR-MS

T13147	29600	< 1	< 3	19	< 10	3820	5	0.2	2	150	< 10	16	1	38400	40
T13148	21700	< 1	< 3	13	< 10	2320	13	0.2	2	80	< 10	12	< 1	31200	20
T13149	33600	< 1	< 3	21	< 10	5600	10	0.3	3	220	< 10	27	2	41900	60
T13150	22700	< 1	< 3	4	< 10	3060	5	0.2	2	130	< 10	16	2	27000	40
T13152	18200	< 1	< 3	14	< 10	2540	4	0.2	4	150	< 10	13	1	25900	40
T13154	22000	< 1	< 3	4	< 10	3770	4	0.3	4	150	< 10	19	3	35600	40
T13155	22900	< 1	< 3	12	< 10	4430	5	0.4	2	210	< 10	22	2	35900	150
T13156	23600	< 1	< 3	6	< 10	2120	4	0.3	4	70	< 10	10	< 1	37600	30
T13157	17600	< 1	< 3	4	< 10	2340	3	0.3	1	100	< 10	13	1	35900	30
T13158	17400	< 1	< 3	6	< 10	2980	3	0.3	3	130	< 10	12	1	35500	30
T13159	17400	< 1	< 3	8	< 10	3140	2	0.3	2	120	< 10	15	1	33600	40
T13160	15400	< 1	< 3	3	< 10	1840	3	0.1	1	80	< 10	9	2	33700	20
T13161	20100	< 1	< 3	6	< 10	2460	5	0.2	1	90	< 10	13	1	33900	30
T13162	15900	< 1	< 3	6	< 10	2860	3	0.4	2	120	< 10	14	1	33100	30
T13163	15400	< 1	< 3	4	< 10	4140	4	0.4	4	170	< 10	21	< 1	41900	50
T13164	22700	< 1	< 3	8	< 10	2540	3	0.4	1	100	< 10	14	< 1	42000	30
T13165	14700	< 1	< 3	3	< 10	730	3	0.1	< 1	30	< 10	6	< 1	23800	< 20
T13166	19100	< 1	< 3	4	< 10	2560	1	0.3	1	90	< 10	13	< 1	39500	30
T13167	24600	< 1	< 3	4	< 10	3230	4	0.3	1	100	< 10	15	4	31500	40
T13168	21500	< 1	< 3	4	< 10	3690	4	0.5	2	160	< 10	20	< 1	25900	40
T13169	23200	< 1	< 3	8	< 10	4320	4	0.5	2	220	< 10	24	2	39300	60
T13170	20200	< 1	< 3	12	< 10	4700	3	0.3	3	180	< 10	25	3	32500	70
T13171	24400	< 1	< 3	8	< 10	3890	5	0.5	2	160	< 10	23	< 1	37400	50
T13172	20600	< 1	< 3	24	< 10	2950	4	0.2	2	130	< 10	16	2	28700	30
T13173	17900	< 1	< 3	10	< 10	2850	6	0.3	1	110	< 10	14	2	33100	40
T13174	40800	< 1	< 3	8	< 10	4640	5	0.4	2	180	< 10	25	2	63400	50
T13175	41700	< 1	< 3	3	< 10	5070	4	0.5	3	180	< 10	23	4	60400	70
T13176	42100	< 1	< 3	15	< 10	6230	4	0.8	4	380	< 10	55	7	71900	110
T13177	37100	< 1	< 3	3	< 10	5590	3	0.4	3	230	< 10	34	4	66200	60
T13178	54600	< 1	< 3	10	< 10	7320	2	0.8	4	340	< 10	39	5	66300	80
T13178	41000	< 1	< 3	2	< 10	6430	2	0.5	2	240	< 10	37	2	58000	80
T13180	49700	1	< 3	27	< 10	9620	3	1.0	5	380	< 10	52	4	61400	120
T13181	64500	< 1	< 3	8	< 10	9350	4	0.7	5	400	< 10	53	3	76000	120
T13182	57600	< 1	< 3	6	< 10	10100	5	0.7	6	420	< 10	60	8	50200	260
T13183	36500	< 1	< 3	42	< 10	7370	5	0.4	4	320	< 10	42	6	44400	90
T13184	38300	1	< 3	6	< 10	9390	6	0.8	5	410	< 10	55	6	40800	530
T13185	27000	< 1	< 3	14	< 10	7110	6	0.6	4	300	< 10	37	3	48100	90
T13186	24500	1	< 3	3	< 10	7200	5	0.5	4	350	< 10	34	3	52500	90
T13187	28900	< 1	< 3	4	< 10	7950	6	0.5	5	330	< 10	38	4	60700	100
T13188	34300	< 1	< 3	10	< 10	7700	4	0.6	4	340	< 10	40	3	57000	100
T13189	38100	< 1	< 3	18	< 10	7890	11	0.7	4	310	< 10	44	4	46000	100
T13190	37900	< 1	< 3	18	< 10	7630	13	0.7	4	320	< 10	43	4	44500	100
T13191	42800	1	< 3	20	< 10	13100	7	1.3	8	610	< 10	74	10	59500	370
T13192	33700	< 1	< 3	14	< 10	5700	3	0.5	3	200	< 10	30	< 1	56500	70
T13193	26900	< 1	< 3	6	< 10	5670	3	0.5	3	250	< 10	35	3	49200	80
T13194	35600	< 1	< 3	3	< 10	9900	5	0.8	6	370	< 10	54	2	47100	120
T13195	30000	< 1	< 3	6	< 10	5510	6	0.8	4	280	< 10	30	3	35700	70
T13196	25700	< 1	< 3	4	< 10	5040	5	0.4	3	220	< 10	29	3	36800	60
T13197	31600	< 1	< 3	4	< 10	8530	4	0.7	5	320	< 10	46	5	41000	120
T13198	27200	1	< 3	12	< 10	6910	4	0.3	4	260	< 10	35	4	38900	80
T13199	29100	< 1	< 3	8	< 10	7600	5	0.6	4	310	< 10	39	3	41100	100

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Analyte Symbol	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	100	1	3	3	10	50	1	0.1	1	20	10	1	1	5	20
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
T13200	17400	<1	<3	12	<10	1990	3	0.2	1	70	<10	9	2	20800	20
T13201	21300	<1	<3	22	<10	2910	7	0.1	1	110	<10	16	1	26200	30
T13202	18400	<1	<3	18	<10	3360	4	0.4	4	150	<10	18	<1	28600	40
T13203	22000	<1	<3	12	<10	2880	4	0.3	2	130	<10	20	2	30800	40
T13204	14200	<1	<3	<3	<10	2140	4	0.2	1	80	<10	10	<1	27600	20
T13205	14800	<1	<3	<3	<10	2220	3	0.2	1	90	<10	11	<1	23800	<20
T13206	18600	<1	<3	10	<10	3920	2	0.4	2	200	<10	22	3	25700	50
T13207	15600	<1	<3	6	<10	2650	1	0.3	1	100	<10	14	<1	28800	30
T13208	13300	<1	<3	4	<10	2560	4	0.3	1	110	<10	15	1	24300	30
T13209	15600	<1	<3	7	<10	2390	12	0.3	3	90	<10	15	2	30400	20
T13210	12900	2	<3	13	<10	3940	2	0.3	2	200	<10	19	1	38400	50
T13211	21400	<1	<3	11	<10	2450	6	0.2	2	70	<10	14	<1	27600	30
T13212	21700	<1	<3	9	<10	1970	2	<0.1	<1	70	<10	8	2	32400	<20
T13213	24200	<1	<3	11	<10	2410	8	0.2	2	120	<10	15	1	27200	30
T13214	21100	<1	<3	7	<10	2250	5	0.1	<1	90	<10	12	1	25300	20
T13215	30400	<1	<3	4	<10	5120	7	0.4	3	250	<10	29	3	36600	50
T13216	20200	<1	<3	<3	<10	1960	4	0.3	1	80	<10	11	<1	29400	20
T13217	18600	<1	<3	11	<10	1540	6	<0.1	<1	70	<10	8	2	27100	20
T13218	13200	<1	<3	<3	<10	3720	3	0.2	2	230	<10	21	2	31700	40
T13219	19200	<1	<3	<3	<10	3150	8	0.2	2	160	<10	17	3	44400	40
T13220	18100	<1	<3	7	<10	3270	3	0.1	2	110	<10	18	1	32800	40
T13221	22600	<1	<3	9	<10	3090	4	0.2	1	110	<10	13	1	46700	30
T13222	18100	<1	<3	4	<10	2430	4	0.1	3	90	<10	15	2	47100	70
T13223	15600	<1	<3	<3	<10	5210	3	0.2	3	240	<10	29	5	41300	70
T13224	22200	<1	<3	9	<10	3580	6	0.3	2	190	20	19	2	38200	50
T13225	36700	1	<3	4	<10	2600	6	0.3	2	100	<10	14	<1	42400	30
T13226	36700	<1	<3	31	<10	2710	5	0.2	2	110	<10	13	3	37100	30
T13227	30500	<1	<3	9	<10	2540	4	0.2	1	90	<10	14	3	44100	40
T13228	27300	<1	<3	11	<10	5570	7	0.4	4	250	<10	33	5	50800	70
T13229	18800	<1	<3	<3	<10	2620	7	0.2	2	120	<10	13	2	44700	30
T13230	21200	<1	<3	4	<10	3190	6	0.2	2	100	<10	16	1	47700	40
T13231	17400	<1	<3	<3	<10	2460	4	<0.1	1	140	<10	12	4	40000	20
T13232	25400	<1	<3	13	10	5500	4	0.5	4	220	<10	28	<1	53700	60
T13233	27900	<1	<3	7	<10	3100	5	0.2	2	110	<10	18	1	49400	30
T13234	27900	<1	<3	4	<10	3860	10	0.2	2	150	<10	20	2	35200	40
T13235	21300	<1	<3	<3	<10	2230	5	0.2	<1	80	<10	10	2	48800	20
T13236	31100	<1	<3	4	<10	3020	3	<0.1	2	110	<10	13	<1	42300	100
T13237	21400	<1	<3	18	<10	2740	2	0.3	2	110	<10	14	<1	41300	30
T13238	21200	<1	<3	7	<10	2480	<1	0.2	2	90	10	13	<1	42700	30
T13239	26200	<1	<3	15	<10	2330	7	0.2	1	100	<10	13	1	36000	30
T13240	28700	<1	<3	7	<10	3260	6	0.2	2	110	<10	19	<1	39600	30
T13241	21000	<1	<3	<3	<10	2190	5	<0.1	2	80	<10	11	<1	40500	20
T13242	17300	<1	<3	<3	<10	1890	9	0.2	1	60	<10	8	1	31700	<20
T13243	22200	<1	<3	<3	<10	2250	6	0.1	1	50	<10	12	1	36300	20
T13244	25600	<1	<3	7	<10	2640	11	0.2	2	120	<10	15	1	36100	30
T13245	23100	<1	<3	<3	<10	2110	8	<0.1	<1	80	<10	10	2	34300	<20
T13246	25800	<1	<3	11	<10	4070	5	0.3	2	130	<10	23	<1	32400	50
T13247	24200	<1	<3	4	<10	4910	6	0.3	3	200	<10	24	<1	39700	70
T13248	24700	<1	<3	<3	<10	3690	2	0.3	2	120	10	16	3	41400	40
T13249	28500	<1	<3	<3	<10	4570	4	0.2	2	210	<10	24	<1	36300	70
T13250	27600	<1	<3	<3	<10	3590	5	0.3	2	170	<10	18	2	31900	40
T13251	26200	<1	<3	4	<10	3700	7	0.2	2	140	<10	19	3	41400	40

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Analyte Symbol	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	100	1	3	3	10	50	1	0.1	1	20	10	1	1	5	20
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
T13252	21800	<1	<3	<3	<10	3010	2	0.2	2	130	<10	14	2	36200	30
T13253	21200	<1	<3	<3	<10	2980	5	0.2	2	160	<10	15	<1	29500	40
T13254	24400	<1	<3	13	<10	3510	13	0.2	2	190	<10	21	1	31600	50
T13255	19000	<1	<3	7	<10	2620	8	0.2	1	90	<10	14	<1	30800	30
T13256	13900	<1	<3	<3	<10	2440	2	<0.1	1	90	<10	13	1	29800	30
T13257	19700	<1	<3	7	<10	3750	3	0.4	2	110	<10	23	2	36100	40
T13258	26400	<1	<3	9	<10	4320	6	0.3	3	140	10	25	5	30000	50
T13259	23700	<1	<3	7	<10	4800	6	0.4	3	200	30	24	<1	33600	60
T13260	26100	<1	<3	<3	<10	2840	8	0.1	2	120	<10	15	<1	37000	30
T13261	20500	<1	<3	27	<10	2500	2	0.1	2	110	<10	15	<1	41900	30
T13262	25300	<1	<3	13	<10	5470	7	0.5	4	200	<10	31	2	32200	60
T13263	23300	<1	<3	<3	<10	2790	7	0.1	2	120	<10	15	1	31300	50
T13264	21600	<1	<3	<3	<10	1590	3	0.2	2	50	10	9	1	26300	<20
T13265	21100	<1	<3	4	<10	2650	1	0.2	1	110	20	14	2	27800	30
T13266	18100	<1	<3	<3	<10	1340	<1	<0.1	<1	30	<10	7	<1	24900	<20
T13267	20400	<1	<3	<3	<10	1240	1	0.1	<1	60	<10	6	<1	33700	<20
T13268	18800	<1	<3	6	<10	2110	4	0.2	1	100	<10	10	<1	30100	30
T13269	21000	<1	<3	6	<10	1740	2	0.2	<1	70	<10	8	1	27000	<20
T13270	24300	<1	<3	6	<10	4040	2	0.2	2	170	<10	17	2	33900	50
T13271	16900	<1	<3	11	<10	1670	<1	<0.1	1	80	10	13	2	33100	<20
T13272	21700	<1	<3	10	<10	4330	7	0.4	5	150	<10	23	3	37900	50
T13273	18000	<1	<3	17	<10	3240	5	0.2	2	140	<10	16	1	33800	30
T13274	23700	<1	<3	15	<10	2970	3	0.2	2	90	<10	14	1	34600	40
T13275	26700	<1	<3	19	<10	4860	6	0.3	3	180	<10	23	<1	33000	50
T13276	22300	<1	<3	15	<10	2330	6	0.2	1	120	<10	12	1	26800	30
T13277	25400	<1	<3	<3	<10	3340	6	<0.1	2	120	10	15	2	37700	40
T13278	20400	<1	<3	17	<10	3580	5	0.2	2	140	<10	16	2	44600	40
T13279	16800	<1	<3	<3	<10	2720	2	0.2	2	110	<10	13	1	45300	50
T13280	21400	<1	<3	19	<10	3840	7	1.1	2	130	<10	17	5	35100	40
T13281	21400	<1	<3	6	<10	3850	4	0.4	2	160	<10	20	3	41900	40
T13282	23200	<1	<3	13	<10	2820	5	0.4	2	100	10	13	<1	38600	40
T13283	27800	<1	<3	11	<10	3440	4	0.3	2	150	<10	17	<1	46000	40
T13284	18000	<1	<3	15	<10	2670	3	0.1	2	80	<10	12	<1	38700	30
T13285	21200	<1	<3	6	<10	2890	3	0.3	1	100	<10	15	<1	48100	30
T13286	23300	<1	<3	28	<10	2840	4	0.5	<1	120	<10	13	<1	34800	30
T13287	24800	<1	<3	23	<10	3470	4	0.3	2	170	<10	17	2	41300	60
T13288	20500	<1	<3	13	<10	3850	3	0.2	2	120	<10	17	<1	34200	40
T13289	22500	<1	<3	17	<10	2390	9	0.2	1	60	<10	12	2	27600	20
T13290	22700	<1	<3	<3	<10	2350	9	0.2	1	70	<10	10	<1	29900	20
T13291	23300	<1	<3	13	<10	2340	3	0.3	1	90	20	12	<1	29600	<20
T13292	27000	<1	<3	13	<10	2420	4	0.3	1	90	<10	12	1	34500	30
T13293	26700	<1	<3	13	<10	3310	5	0.3	1	90	<10	13	1	32000	30
T13294	26700	<1	<3	13	<10	3640	4	0.3	2	120	<10	14	<1	34800	50
T13295	22100	<1	<3	17	<10	5000	4	0.3	3	170	<10	22	2	28100	60
T13296	17000	<1	<3	6	<10	4390	3	0.4	3	180	<10	24	2	39700	50
T13297	19400	<1	<3	<3	<10	4760	5	0.2	2	150	<10	20	2	48400	50
T13298	26600	<1	<3	17	<10	5300	3	0.5	3	210	<10	26	2	48800	60
T13299	16300	<1	<3	17	<10	3880	4	0.3	2	140	20	19	1	45500	40
T13300	19300	<1	<3	15	<10	4430	4	0.3	2	170	<10	19	3	48400	60
T13301	14700	<1	<3	<3	<10	3270	8	<0.1	2	130	<10	15	1	50100	60
T13302	20000	<1	<3	<3	<10	5920	10	0.3	3	220	<10	26	4	44200	70
T13303	20500	<1	<3	8	<10	6480	6	0.3	4	200	60	30	4	46400	70

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Analyte Symbol Unit Symbol Detection Limit Analysis Method	Sr		Ta		Tb		Te		Th		Tl		Tm		U		V		W		Y		Yb		Zn		Zr	
	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS
T13304	20100	<1	<3	<3	4	<10	6390	6	0.4	4	230	<10	28	<10	28	2	54000	80										
T13305	23000	<1	<3	4	<10	6050	5	0.4	3	230	<10	26	3	230	3	58000	80											
T13306	18100	7	<3	8	<10	5590	13	0.6	4	230	20	26	5	48500	70													
T13307	20000	<1	<3	11	<10	4770	9	0.4	2	180	<10	22	2	53400	50													
T13308	15300	<1	<3	8	<10	2850	8	0.2	2	80	<10	12	<1	37900	20													
T13309	22000	<1	<3	8	<10	5680	6	0.5	3	240	<10	25	2	42400	100													
T13310	21700	<1	<3	13	<10	5240	13	0.5	3	190	<10	22	2	33100	110													
T13311	26400	<1	<3	6	<10	7480	10	0.7	3	300	<10	38	2	35900	80													
T13312	23300	<1	<3	11	<10	7030	12	0.8	3	270	<10	34	4	33600	120													
T13313	20500	<1	<3	4	<10	3260	8	0.4	1	140	<10	17	<1	35800	40													
T13314	18600	<1	<3	3	<10	4010	10	0.2	2	90	<10	15	2	29500	50													
T13315	21600	<1	<3	8	<10	2610	10	0.2	<1	110	<10	11	<1	33800	30													
T13316	15400	<1	<3	6	<10	1420	3	0.1	<1	30	<10	6	<1	22300	<20													
T13317	19400	<1	<3	4	<10	2210	26	0.3	1	80	<10	8	1	27600	<20													
T13318	23700	<1	<3	19	<10	2110	10	0.3	<1	70	<10	9	<1	28800	20													
T13319	22200	<1	<3	15	<10	2380	4	<0.1	<1	100	20	12	2	25400	20													
T13320	18800	<1	<3	5	<10	3390	2	0.2	1	210	<10	14	<1	36000	30													
T13321	18700	<1	<3	13	<10	3150	2	0.3	1	160	<10	10	<1	35700	30													
T13322	16700	<1	<3	3	<10	3170	2	0.3	3	160	10	14	2	48400	30													
T13323	22200	<1	<3	3	<10	4820	2	0.2	2	230	<10	19	<1	41100	50													
T13324	36500	<1	<3	23	<10	7380	2	0.5	4	350	<10	33	3	50000	60													
T13325	26900	<1	<3	10	<10	7640	3	0.8	4	360	<10	37	4	61800	90													
T13326	20100	<1	<3	16	<10	4720	2	0.3	2	220	<10	16	<1	47500	50													
T13327	30300	<1	<3	23	<10	4890	2	0.1	2	190	<10	17	2	55900	50													
T13328	21000	<1	<3	7	<10	4840	3	0.3	2	210	48	18	2	42700	90													
T13329	36700	<1	<3	19	<10	6720	7	0.5	3	290	28	28	4	47500	70													
T13330	36600	<1	<3	22	<10	4540	7	0.3	2	180	<10	17	2	40200	50													
T13331	27300	<1	<3	26	<10	3950	5	0.3	2	160	<10	15	<1	39500	40													
T13332	26400	<1	<3	6	<10	4100	4	0.2	2	180	<10	14	<1	37900	40													
T13333	27900	<1	<3	16	<10	4930	3	0.3	2	210	<10	17	2	41900	40													
T13334	23100	<1	<3	3	<10	3240	3	0.3	1	130	<10	12	1	38600	30													
T13335	17600	<1	<3	11	<10	4530	4	0.3	2	200	<10	21	2	46400	140													
T13336	20100	<1	<3	23	<10	3680	4	0.3	2	160	<10	17	2	47400	40													
T13337	25600	<1	<3	10	<10	7890	4	0.7	4	330	<10	36	2	52190	90													
T13338	25700	<1	<3	3	<10	7300	4	0.6	4	310	<10	33	3	45600	110													
T13339	34000	<1	<3	23	<10	5180	3	0.3	2	180	20	19	2	49700	90													
T13340	28000	<1	<3	18	<10	3510	2	<0.1	1	130	<10	11	<1	48500	30													
T13341	31900	<1	<3	18	<10	3340	6	0.2	2	130	<10	12	<1	38200	30													
T13342	32000	<1	<3	11	<10	3250	3	0.3	2	100	<10	12	1	43200	30													
T13343	34300	<1	<3	20	<10	4730	2	0.4	2	210	<10	22	3	39600	80													
T13344	37300	<1	<3	18	<10	7290	2	0.5	4	270	<10	30	3	52800	70													
T13345	32300	<1	<3	16	<10	5750	3	0.5	3	240	<10	24	1	38200	50													
T13346	36900	<1	<3	15	<10	4590	3	0.2	2	180	<10	17	3	36700	50													
T13347	32100	<1	<3	18	<10	3600	2	0.3	1	160	<10	15	<1	38100	30													
T13348	36200	<1	<3	24	<10	5160	3	0.4	2	270	<10	21	3	44300	50													
T13349	30100	<1	<3	8	<10	4780	4	0.3	3	180	<10	18	2	43600	50													
T13350	33000	<1	<3	26	<10	5640	6	0.4	3	230	<10	21	2	59000	60													
T13351	37900	<1	<3	11	<10	6270	3	0.4	3	240	<10	27	3	54400	60													
T13352	24600	<1	<3	16	<10	7190	3	0.4	4	270	20	34	4	47200	80													
T13353	32000	<1	<3	18	10	7620	2	0.4	4	270	<10	35	2	56200	80													
T13354	27400	<1	<3	21	<10	4700	2	0.3	2	150	<10	20	3	52300	50													
T13355	42400	<1	<3	16	<10	5930	4	0.5	3	200	<10	24	2	49800	60													

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Analyte Symbol Unit Symbol Detection Limit Analysis Method	Sr		Yb		Ta		Tb		Te		Th		Ti		Tl		Tm		U		V		W		Y		Vb		Zn		Zr	
	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS	ppb	AR-MS
T13356	35600	<1	<3	<3	26	<10	4600	1	0.4	2	140	<10	16	16	2	48800	50															
T13357	28100	<1	<3	15	<10	4070	1	0.4	2	120	40	16	2	35600	40																	
T13358	30100	<1	<3	26	<10	4540	2	0.4	3	180	<10	20	<1	32000	60																	
T13359	26600	<1	<3	24	<10	3340	2	0.4	2	110	10	15	1	33400	30																	
T13360	24300	<1	<3	8	<10	3920	2	0.3	2	150	<10	15	<1	36600	40																	
T13361	23800	<1	<3	14	<10	4630	4	0.5	2	160	<10	21	2	34800	50																	
T13362	21100	<1	<3	26	<10	3920	1	0.2	2	100	<10	16	2	50700	30																	
T13363	26500	<1	<3	24	<10	2750	4	0.2	1	70	<10	11	<1	40000	20																	
T13364	14800	<1	<3	30	<10	2640	3	0.3	1	60	<10	9	<1	40800	<20																	
T13365	16600	<1	<3	23	<10	2900	1	0.3	1	80	<10	11	1	44000	20																	
T13366	19000	<1	<3	26	<10	3520	3	0.4	1	110	<10	14	<1	42000	50																	
T13367	20900	<1	<3	26	<10	2360	2	0.3	<1	50	<10	8	<1	43300	<20																	
T13368	18500	<1	<3	26	<10	3190	3	0.2	1	80	<10	10	<1	36500	30																	
T13369	24600	<1	<3	31	<10	6100	3	0.5	3	220	<10	28	3	50000	60																	
T13370	20100	<1	<3	37	<10	4610	2	0.5	2	180	<10	23	2	39500	50																	
T13371	21000	1	<3	24	<10	4680	3	0.5	2	150	<10	21	<1	50700	40																	
T13372	20100	<1	<3	34	<10	3760	3	0.3	2	130	<10	17	<1	49400	40																	
T13373	19500	<1	<3	47	<10	3970	2	0.5	2	130	<10	17	2	42400	50																	
T13374	21500	<1	<3	29	<10	3340	2	0.3	3	120	<10	15	<1	26200	40																	
T13375	19500	<1	<3	5	<10	3290	5	0.2	1	110	10	11	2	35900	30																	
T13376	17300	<1	<3	7	<10	3060	6	0.3	1	120	<10	9	<1	40800	30																	
T13377	17600	<1	<3	15	<10	3860	7	0.3	2	150	10	14	<1	38600	40																	
T13378	20500	<1	<3	8	<10	5260	4	0.4	2	180	<10	21	3	46900	60																	
T13379	19200	<1	<3	5	<10	4170	10	0.3	2	140	20	16	1	40000	50																	
T13380	20200	<1	<3	<3	<10	4740	1	0.3	2	160	<10	19	<1	52700	50																	
T13381	20700	<1	<3	18	<10	4730	4	0.5	3	200	<10	20	2	41800	50																	
T13382	28700	<1	<3	15	<10	5280	5	0.5	3	210	<10	21	<1	49000	50																	
T13383	21900	<1	<3	10	<10	5280	4	0.5	3	210	<10	19	2	52700	60																	
T13384	21900	<1	<3	<3	<10	4910	3	0.5	3	180	<10	19	<1	49400	50																	
T13385	23600	<1	<3	8	<10	5390	5	0.4	3	220	<10	21	3	59500	60																	
T13386	21000	4	<3	10	10	4610	5	0.4	4	180	<10	17	2	47600	50																	
T13387	31000	1	<3	18	<10	8540	7	0.7	5	330	<10	36	4	53200	90																	
T13388	30000	<1	<3	21	<10	6780	7	0.6	4	220	<10	29	4	48700	80																	
T13389	38200	<1	<3	21	<10	7910	4	0.7	4	370	20	34	4	53400	90																	
T13390	46900	1	<3	18	10	10800	3	0.8	6	470	<10	47	5	54400	130																	
T13391	36600	<1	<3	33	<10	4630	2	0.4	2	140	<10	17	2	56500	60																	
T13392	31500	<1	<3	27	<10	4340	2	0.4	2	130	<10	16	3	62200	40																	
T13393	31500	<1	<3	21	<10	5180	2	0.6	3	180	10	22	<1	61600	60																	
T13394	37000	<1	<3	12	10	8460	2	0.7	5	390	<10	43	3	63300	110																	
T13395	37400	2	<3	18	10	8460	3	0.7	4	340	<10	39	6	61500	110																	
T13396	39000	<1	<3	30	<10	7260	3	0.5	4	280	<10	31	3	57700	60																	
T13397	37000	1	<3	17	10	8150	3	0.6	4	310	10	39	4	55300	80																	
T13398	49000	1	<3	21	10	10600	4	0.6	6	440	10	53	3	67100	130																	
T13399	39000	1	<3	27	<10	7470	3	0.7	3	270	20	38	6	64700	80																	
T13400	22500	<1	<3	26	<10	5430	3	0.4	3	200	<10	22	3	60500	50																	
T13401	18700	<1	<3	15	<10	3640	4	0.3	2	110	<10	12	<1	53600	30																	
T13402	29600	<1	<3	30	<10	3760	3	0.3	2	100	10	13	2	63400	50																	
T13403	42300	<1	<3	27	<10	3600	4	0.2	2	80	<10	12	<1	69500	30																	
T13404	33300	<1	<3	18	<10	3720	3	0.5	2	90	<10	14	1	60700	40																	
T13405	28300	<1	<3	25	<10	4090	3	0.3	1	90	<10	14	1	68600	30																	
T13406	31300	<1	<3	52	<10	4390	5	0.3	3	140	60	20	1	67200	50																	
T13407	33900	<1	<3	35	<10	5550	2	0.3	3	190	<10	21	2	65400	80																	

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Analyte Symbol	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	100	1	3	3	10	50	1	0.1	1	20	10	1	1	5	20
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
T13408	43600	< 1	< 3	51	< 10	6850	3	0.5	3	280	10	29	4	59200	100
T13409	33100	< 1	< 3	25	< 10	5650	2	0.3	3	220	< 10	21	2	52100	60
T13410	42600	1	< 3	31	< 10	7870	2	0.8	4	300	< 10	34	5	50400	90
T13411	27000	< 1	< 3	7	< 10	4870	4	0.4	3	130	< 10	18	< 1	54500	50
T13412	24400	< 1	< 3	25	< 10	4950	3	0.3	2	140	< 10	17	2	39000	50
T13413	28100	< 1	< 3	22	< 10	6680	4	0.6	3	270	< 10	25	3	43700	70
T13414	32300	< 1	< 3	36	10	8670	4	0.6	4	300	< 10	36	1	32700	100
T13415	33300	< 1	< 3	39	10	9430	4	0.8	5	350	< 10	43	3	43400	100
T13416	26800	< 1	< 3	27	< 10	4420	6	0.4	2	150	< 10	18	5	32100	50
T13417	23600	< 1	< 3	26	< 10	4820	6	0.3	2	160	10	15	1	34100	50
T13418	23600	< 1	< 3	5	10	4420	2	0.7	3	170	10	39	2	37800	70
T13419	26400	< 1	< 3	27	< 10	4970	4	0.5	2	130	< 10	19	3	42000	50
T13420	22300	< 1	< 3	43	< 10	4050	6	0.4	2	130	< 10	13	2	45400	40
T13421	24600	< 1	< 3	32	< 10	4890	4	0.3	2	130	< 10	15	3	37000	50
T13422	25500	< 1	< 3	13	< 10	5020	4	0.5	2	120	< 10	17	2	50500	50
T13423	23000	< 1	< 3	18	< 10	4070	1	0.3	2	140	20	17	2	50800	50
T13424	22700	< 1	< 3	22	< 10	5110	2	0.2	3	130	< 10	19	5	49400	50
T13425	17100	< 1	< 3	17	< 10	3030	4	0.2	1	50	< 10	10	2	42000	30
T13426	21100	< 1	< 3	17	< 10	3710	4	0.3	2	90	< 10	13	< 1	44300	40
T13427	48000	1	< 3	49	10	10500	3	0.9	6	410	< 10	55	3	59200	130
T13428	37100	1	< 3	22	10	11400	3	0.8	5	500	< 10	53	4	49700	140
T13429	29800	< 1	< 3	15	< 10	4870	1	0.5	3	180	< 10	20	2	37500	50
T13430	22100	< 1	< 3	8	< 10	5110	4	0.4	2	170	10	20	< 1	40100	50
T13431	18700	< 1	< 3	15	< 10	3910	7	0.4	2	140	< 10	16	< 1	52100	60
T13432	22900	< 1	< 3	18	< 10	5710	6	0.5	3	210	80	28	3	56900	60
T13433	25600	< 1	< 3	33	< 10	6710	3	0.5	4	300	10	31	2	51300	80
T13434	42500	1	< 3	31	20	10400	4	1.1	6	460	80	54	5	36600	120
T13435	41100	1	< 3	26	10	10600	3	0.7	5	420	< 10	50	5	42800	130
T13436	45300	1	< 3	27	20	13700	5	1.4	10	570	< 10	71	6	57600	170
T13437	40600	< 1	< 3	21	< 10	6170	2	0.3	4	230	30	28	5	53700	70
T13438	64600	< 1	< 3	30	< 10	6900	2	0.7	4	250	< 10	33	2	54300	70
T13439	40000	< 1	< 3	30	10	8230	2	0.7	4	330	< 10	35	6	51700	80
T13440	32900	< 1	< 3	31	< 10	6310	4	0.5	4	270	50	29	4	49400	60
T13441	33100	< 1	< 3	17	< 10	5790	4	0.7	3	200	< 10	22	3	46300	60
T13442	26700	< 1	< 3	21	< 10	5990	3	0.6	3	200	10	26	2	55800	70
T13443	27400	< 1	< 3	41	< 10	4910	4	0.4	2	170	10	20	2	60100	50

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Quality Control																								
Analyte Symbol	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Hg
Unit Symbol	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
Detection Limit	10	1	60.0	0.2	400	5	30	20	0.3	4	2	2	40	0.2	90	0.2	0.2	0.6	0.002	1	2	10	2	10
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
NIST 1575a Meas					9900	5740			2420	229		123		286	3120				50.7					40
NIST 1575a Cert					9600	6000			2500	233		81		283	2800				46					39.9
NIST 1575a Meas					10700	6030			2570	247		67		303	3230				50.7					40
NIST 1575a Cert					9600	6000			2500	233		61		283	2800				46					39.9
NIST 1575a Meas					10800	6010			2540	246		84		300	3160				47.5					40
NIST 1575a Cert					9600	6000			2500	233		61		283	2800				46					39.9
NIST 1575a Meas					9500	5770			2530	244		84		293	2940				48.5					40
NIST 1575a Cert					9600	6000			2500	233		61		283	2800				46					39.9
Method Blank	< 10	< 1	< 60.0	< 0.2	< 400	< 5	< 30	< 20	< 0.3	< 4	< 2	< 2	< 40	< 0.2	< 90	< 0.2	< 0.2	< 0.6	< 0.002	< 1	< 2	< 10	< 2	< 10
Method Blank	< 10	< 1	< 60.0	< 0.2	< 400	< 5	< 30	< 20	< 0.3	< 4	< 2	< 2	< 40	< 0.2	< 90	< 0.2	< 0.2	< 0.6	< 0.002	< 1	< 2	< 10	< 2	< 10
Method Blank	< 10	< 1	< 60.0	< 0.2	< 400	< 5	< 30	< 20	< 0.3	< 4	< 2	< 2	< 40	< 0.2	< 90	< 0.2	< 0.2	< 0.6	< 0.002	< 1	< 2	< 10	< 2	< 10
Method Blank	< 10	< 1	< 60.0	< 0.2	< 400	< 5	< 30	< 20	< 0.3	< 4	< 2	< 2	< 40	< 0.2	< 90	< 0.2	< 0.2	< 0.6	< 0.002	< 1	< 2	< 10	< 2	< 10

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Quality Control																								
Analyte Symbol	Ho	In	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb	Re	Sb	Se	Sm	Sr
Unit Symbol	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.2	1	0.06	3	20	0.2	0.6	20	1	0.4	2	1	3	0.3	20	7	5	4	20	1	4	30	0.2	100
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
NIST 1575a Meas			3980				945	481000		74.1				1880	1090	190			16200				150	
NIST 1575a Cert			4170				1060	486000		63				1470	1070	167			16500				99	
NIST 1575a Meas			4260				993	507000		78.0				1690	1140	190			17200				170	
NIST 1575a Cert			4170				1060	488000		63				1470	1070	167			16500				99	
NIST 1575a Meas			4190				985	508000		81.5				1640	1130	180			17100				180	
NIST 1575a Cert			4170				1060	488000		63				1470	1070	167			16500				99	
NIST 1575a Meas			4220				971	501000		78.4				1540	1130	160			16400				120	
NIST 1575a Cert			4170				1060	488000		63				1470	1070	167			16500				99	
Method Blank	< 0.2	< 1	< 0.06	< 3	< 20	< 0.2	< 0.6	< 20	< 1	< 0.4	< 2	< 1	< 3	< 0.3	< 20	< 7	< 5	< 4	< 20	< 1	< 4	< 30	< 0.2	< 100
Method Blank	< 0.2	< 1	< 0.06	< 3	< 20	< 0.2	< 0.6	< 20	< 1	< 0.4	< 2	< 1	< 3	< 0.3	< 20	< 7	< 5	< 4	< 20	< 1	< 4	< 30	< 0.2	< 100
Method Blank	< 0.2	< 1	< 0.06	< 3	< 20	< 0.2	< 0.6	< 20	< 1	< 0.4	< 2	< 1	< 3	< 0.3	< 20	< 7	< 5	< 4	< 20	< 1	< 4	< 30	< 0.2	< 100
Method Blank	< 0.2	< 1	< 0.06	< 3	< 20	< 0.2	< 0.6	< 20	< 1	< 0.4	< 2	< 1	< 3	< 0.3	< 20	< 7	< 5	< 4	< 20	< 1	< 4	< 30	< 0.2	< 100

Quality Control

Analyte Symbol	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	100	1	3	3	10	50	1	0.1	1	20	10	1	1	5	20
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
NIST 1575a Meas															38800
NIST 1575a Cert															38000
NIST 1575a Meas															41900
NIST 1575a Cert															38000
NIST 1575a Meas															41200
NIST 1575a Cert															38000
NIST 1575a Meas															38900
NIST 1575a Cert															38000
Method Blank	< 100	< 1	< 3	< 3	< 10	< 50	< 1	< 0.1	< 1	< 20	< 10	< 1	< 1	< 5	< 20
Method Blank	< 100	< 1	< 3	< 3	< 10	< 50	< 1	< 0.1	< 1	< 20	< 10	< 1	< 1	< 5	< 20
Method Blank	< 100	< 1	< 3	< 3	< 10	< 50	< 1	< 0.1	< 1	< 20	< 10	< 1	< 1	< 5	< 20
Method Blank	< 100	< 1	< 3	< 3	< 10	< 50	< 1	< 0.1	< 1	< 20	< 10	< 1	< 1	< 5	< 20