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Assessment Report 2022

2022 Spatiotemporal Geochemical Hydrocarbon (SGH) and Enzyme Leach (EL) Soil Survey Report for the Confederation North Property

Red Lake Mining Division
South of Otter Lake Area
52K14NW

Trillium Gold Mines Inc.

Jan 27, 2023

Norm Aime

Samuel Lewis, B.Sc., P.Geo

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1 Summary

Trillium Gold Mines Inc. (TGM) executed a Spatiotemporal Geochemical Hydrocarbon (SGH) and Enzyme Leach (EL) soil survey on their Confederation North Property during the 2022 field season between June 7 and June 17, 2022. This work was undertaken to identify possible gold anomalies which can be targeted for follow-up exploration in subsequent years. The program was conducted by geologists and field crews from Fladgate Exploration Consulting Corporation (Fladgate) of Thunder Bay, Ontario under the direction of TGM exploration geologists. Fistful-sized soil samples were taken at depths of approximately 20 cm at 50 m sample spacing with a 200 m line spacing for the majority of the planned grid. The results from the SGH survey predict a gold anomaly with a ranking of 5 out of 6. This is considered better than average, see Appendix 1 – SGH Results.

Because exploration on this Property is at a greenfield level, it is difficult to draw firm conclusion to recommend further work. That being said, there appear to be some coincident soil anomalies with an inferred northeast-southwest fault. Further examination of Property scale lithologies, interpretation of structural relationships on the ground, and the incorporation of historical geochemical data will aid in linking predicted gold anomalies to possible controlling features. Therefore, potential targets can be refined for further work. Sample locations were logged using UTM coordinates in NAD83 Zone 15N using a handheld GPS receiver.

2 Property Description

2.1 Location and Access

Soil samples on the Confederation North Property were taken on TGM claims in the Confederation Belt in the South of Otter Lake Area (Figure 1). The soil sample grid is accessible by truck, located off Snake Falls Road 40 km southeast of Red Lake, or 29 km northwest of Ear Falls, Ontario on Hwy 105. From the intersection of Hwy 105 and Snake Falls Road, the site is accessed 14 km northeast, then left 5 km northwest off same road. The sample was traversed on foot (Figure 2).

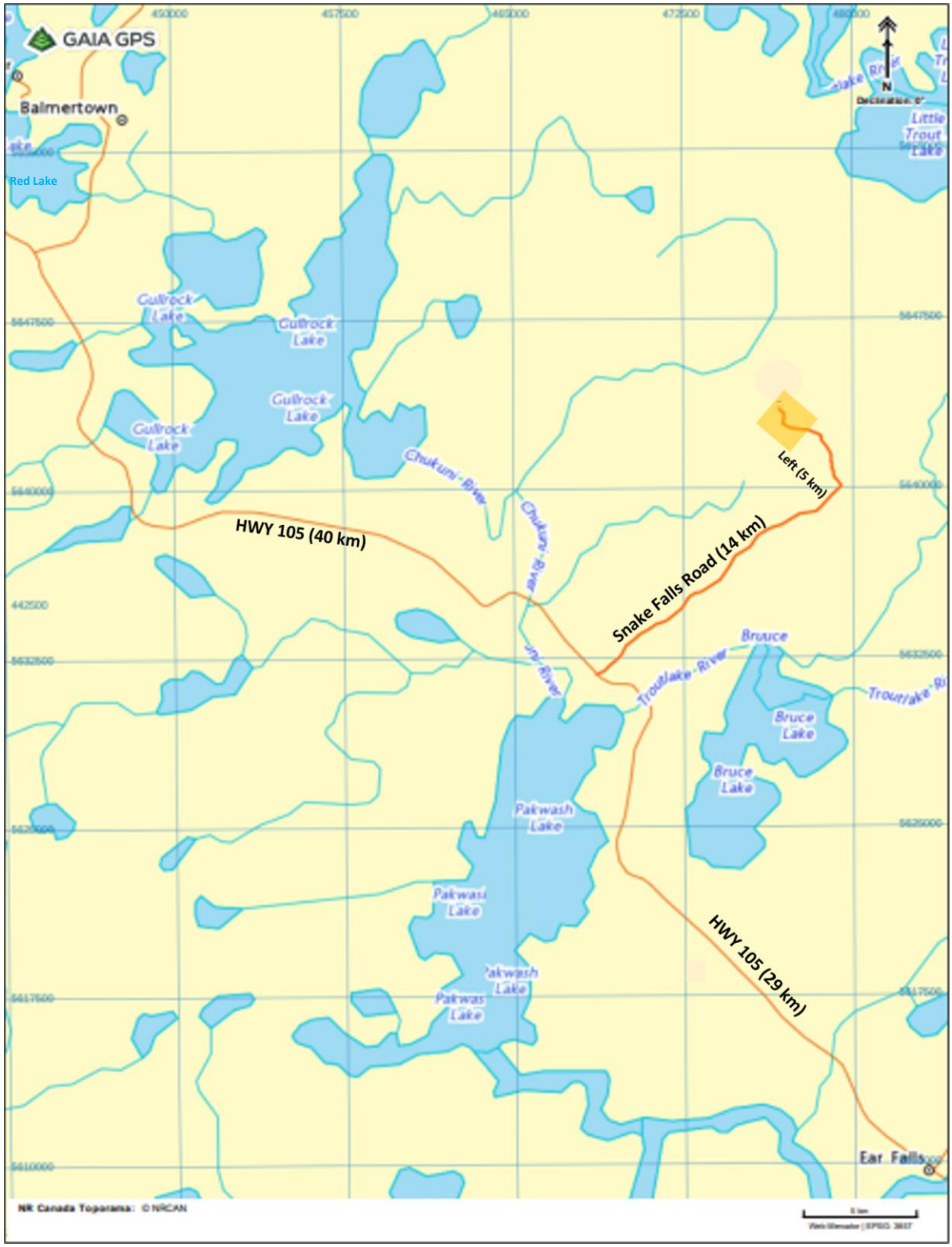

Figure 1: Soil sampling location (gold rectangle, not to scale), relative to closest road access, modified from GAIA GPS.

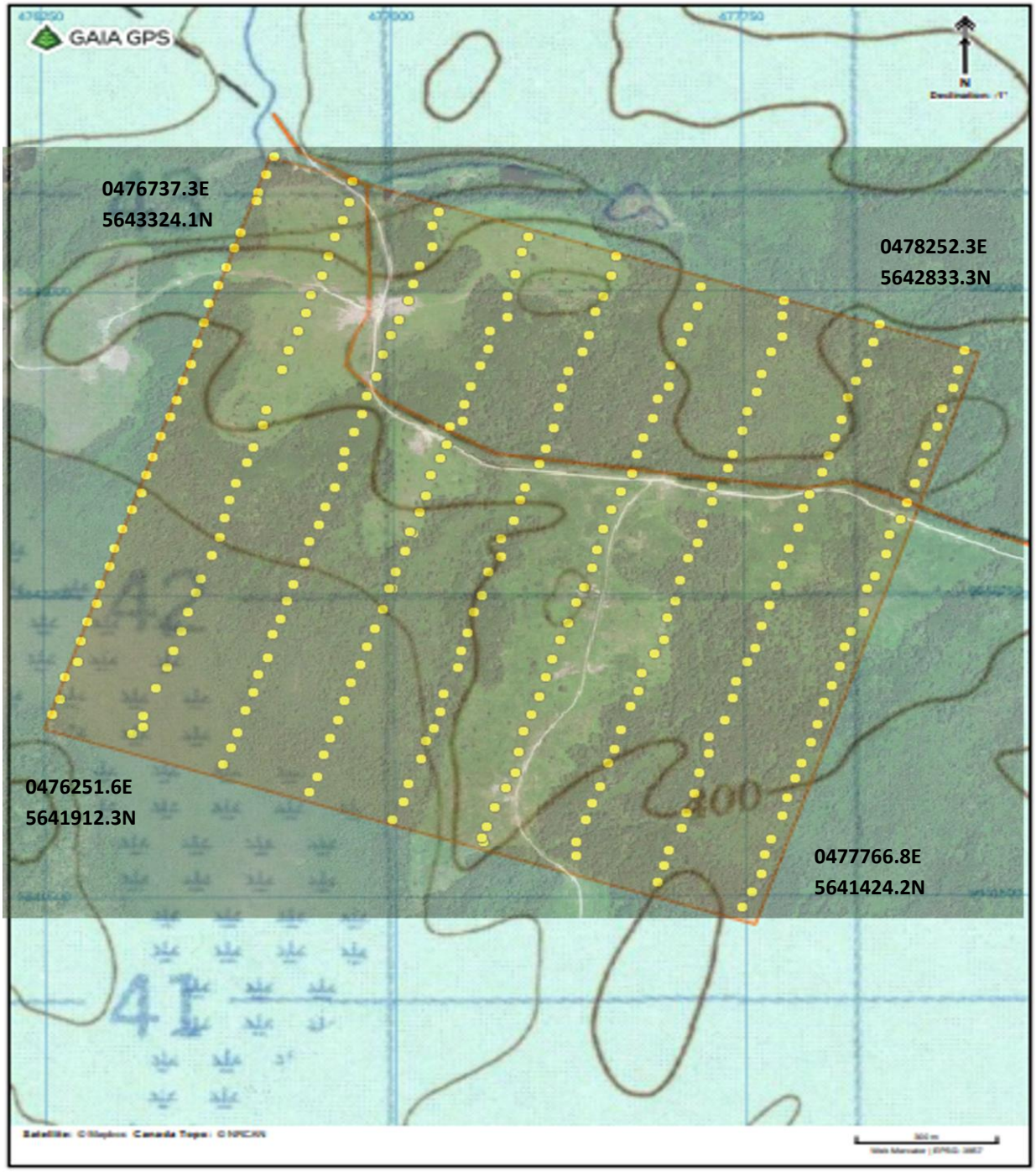

Figure 2: Soil sample grid lines (each yellow point represents one sample location), overlying topography, grid corners in UTM, modified from GAIA GPS, note the marsh topography southwest quarter.

2.2 Property Tenure

Soil sampling was conducted on 23 unpatented mining claims (Table 1) on TGM's Confederation North Property, on the western end of the Confederation Belt. A tenure map of the Confederation North Property can be seen in Figure 3.

Table 1: Property Tenure Table

TENURE ID	TENURE TYPE	HOLDER
101527	Single Cell Mining Claim	(100) Trillium Red Lake Gold Ontario Inc.
101528	Single Cell Mining Claim	(100) Trillium Red Lake Gold Ontario Inc.
116071	Single Cell Mining Claim	(100) Trillium Red Lake Gold Ontario Inc.
116854	Single Cell Mining Claim	(100) Trillium Red Lake Gold Ontario Inc.
129592	Single Cell Mining Claim	(100) Trillium Red Lake Gold Ontario Inc.
129593	Single Cell Mining Claim	(100) Trillium Red Lake Gold Ontario Inc.
158866	Single Cell Mining Claim	(100) Trillium Red Lake Gold Ontario Inc.
160811	Single Cell Mining Claim	(100) Trillium Red Lake Gold Ontario Inc.
166079	Single Cell Mining Claim	(100) Trillium Red Lake Gold Ontario Inc.
166306	Single Cell Mining Claim	(100) Trillium Red Lake Gold Ontario Inc.
177690	Single Cell Mining Claim	(100) Trillium Red Lake Gold Ontario Inc.
177691	Single Cell Mining Claim	(100) Trillium Red Lake Gold Ontario Inc.
177692	Single Cell Mining Claim	(100) Trillium Red Lake Gold Ontario Inc.
204153	Single Cell Mining Claim	(100) Trillium Red Lake Gold Ontario Inc.
212778	Single Cell Mining Claim	(100) Trillium Red Lake Gold Ontario Inc.
234693	Single Cell Mining Claim	(100) Trillium Red Lake Gold Ontario Inc.
260216	Single Cell Mining Claim	(100) Trillium Red Lake Gold Ontario Inc.
262199	Single Cell Mining Claim	(100) Trillium Red Lake Gold Ontario Inc.
280287	Single Cell Mining Claim	(100) Trillium Red Lake Gold Ontario Inc.
283468	Single Cell Mining Claim	(100) Trillium Red Lake Gold Ontario Inc.
297599	Single Cell Mining Claim	(100) Trillium Red Lake Gold Ontario Inc.
297600	Single Cell Mining Claim	(100) Trillium Red Lake Gold Ontario Inc.
300675	Single Cell Mining Claim	(100) Trillium Red Lake Gold Ontario Inc.

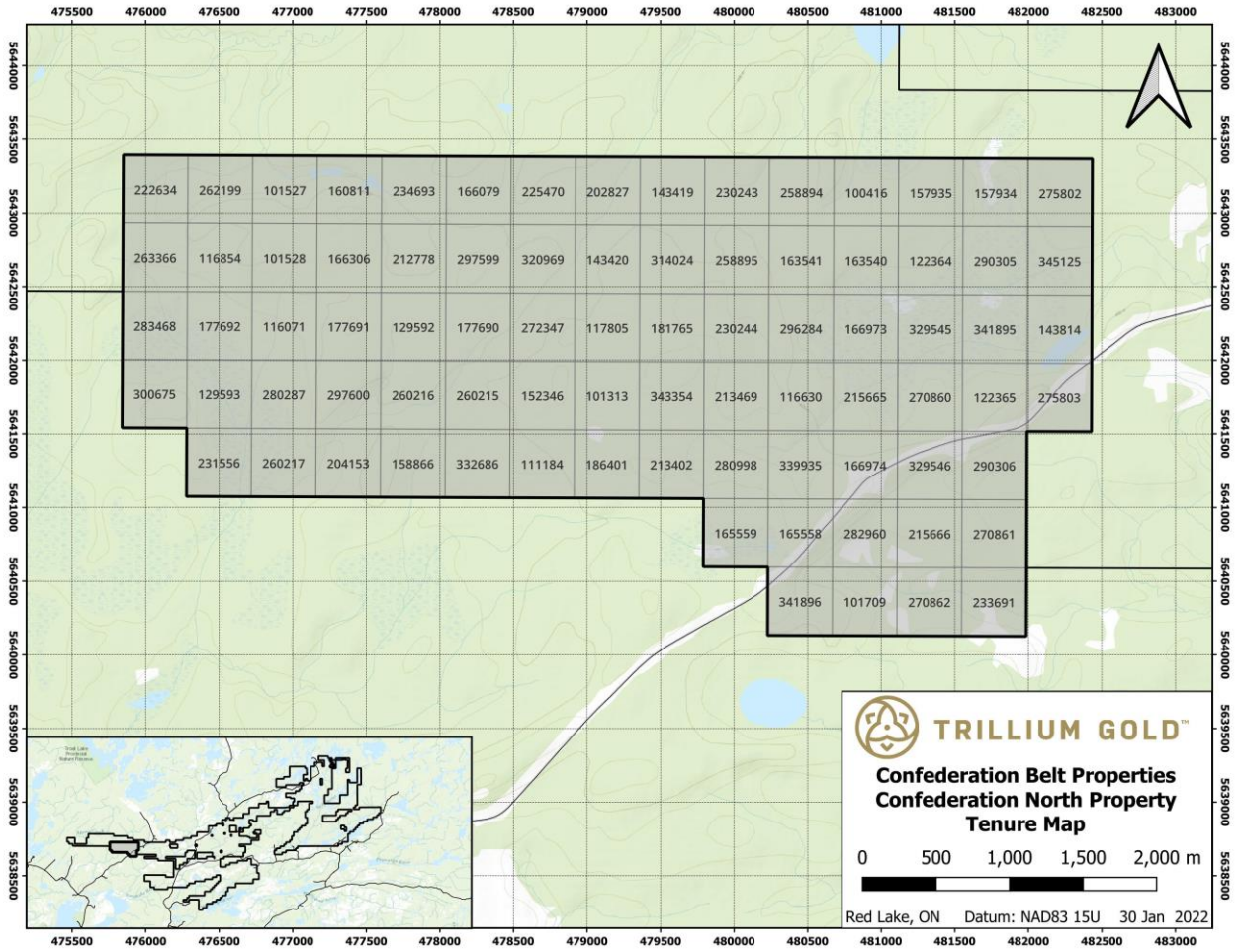

Figure 3. Tenure Map for Confederation North Property, Confederation Belt

3 Regional Geology

On a regional scale, the Confederation North Property is situated in the North Caribou Terrane, within the Birch-Uchi greenstone belt (BUGB). This lies in the Uchi Subprovince, Superior Province in the Canadian Shield (Figure 4). The Uchi Subprovince is an east trending region of metavolcanic rocks and to a lesser degree, metasediment rocks having been intruded by granitoid plutons. The Uchi Subprovince is bound to the north by the granitoid dominant Berens River Subprovince, and to the south by the sediment dominant English River Subprovince. The Uchi and English River Subprovince boundary is marked by the Long-legged, Pakwash, and Sydney Lake-Lake St. Joseph Fault zone, an extension of cataclastic rocks spanning more than 150 kilometers east of the Manitoba-Ontario border (Figure 4), while the northern boundary is characterized by a gradational contact within the Berens River Subprovince (Breaks, Bond, & Westernman, 1993).

The supracrustal rocks of the Uchi Subprovince are informally subdivided into several greenstone belts. The Uchi Subprovince is volumetrically dominated by thick sequences of basaltic flows, as in the older Balmer assemblage (2964-2992 Ma) of the Red Lake greenstone belt (RLGB), and mafic to felsic volcanic cycles dominated bimodal volcanism as in the younger Confederation assemblage of the Birch-Uchi greenstone belt (2733-2748 Ma; (Corfu & Wallace, 1986). Komatiitic volcanic rocks are rare and mostly occur within older sequences (>2900 Ma) in the western side of the Uchi Subprovince.

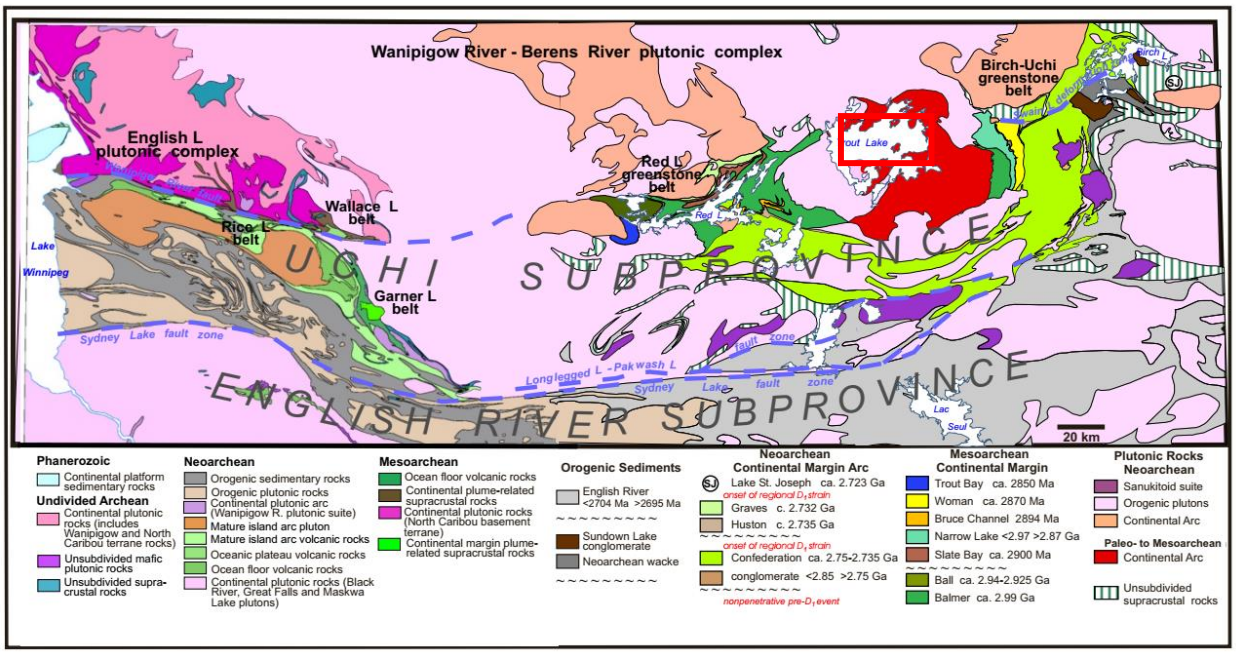

Figure 4: Major tectonostratigraphic assemblages and tectonic affinities assigned to volcanic, sedimentary, and plutonic rocks of the Western Uchi Subprovince and adjacent English River Subprovince (Lemkow, et al., 2006). The Confederation North Property area is located within the red box.

4 Property History

Exploration in the immediate area was intermittent until the 1950s, and relatively continuous since the 1970s. The late 1960s Zn-Cu discoveries by Selco Mining and periodic regional exploration conducted by Gold Fields, Bp Resources, Noranda, Lightval Mines, Inco, Goldcorp, Tribute Minerals, DR Hawke-G Campbell and others (see table below), continued through to the early 2000 s. After a brief hiatus, increased interest from Portofino, Dixie Gold, and TGM respectively, initiated additional geophysical and prospecting activities in the area. An in-depth history of work performed on the claims included for assessment is not in the scope of work performed and reported herein. Within the Ontario Government (OGS) shapefiles, there is some overlap in the Assessment report files. A detail list of all past exploration work can be viewed in Table 2.

Table 2: Property History Table

AFRI	YEAR	COMPANY	LOCATION	WORK DESCRIPTION
52K14NW0040	1977	Selco Mining Corp Ltd	South of Otter Lake	Diamond Drilling
52K14NW0022	1977	Selco Mining Corp Ltd	South of Otter Lake	Diamond Drilling
52K14NW0027	1977	Selco Mining Corp Ltd	South of Otter Lake	Diamond Drilling
52K14NW0028	1977	Selco Mining Corp Ltd	South of Otter Lake	Diamond Drilling
52K14NW0036	1977	Selco Mining Corp Ltd	South of Otter Lake	Electromagnetic, Magnetic, Magnetometer Survey
52K14NW0500	1977	Selco Mining Corp Ltd	South of Otter Lake	Electromagnetic, Magnetic, Magnetometer Survey
52K14NW0037	1977	Selco Mining Corp Ltd	South of Otter Lake	Diamond Drilling
52K14NW0038	1977	Selco Mining Corp Ltd	South of Otter Lake	Diamond Drilling, Assaying and Analyses
52K14NW0040	1977	Selco Mining Corp Ltd	South of Otter Lake	Diamond Drilling
52K16NE0401	1977	Hudson Bay Exploration	Slate Lake Area	Electromagnetic
52K15NE0054	1977	Selco Mining Corp Ltd	Gerry Lake Area	Electromagnetic, Magnetic, Magnetometer Survey
52K14NW0029	1978	Selco Mining Corp Ltd	South of Otter Lake	Diamond Drilling, Assaying and Analyses
52K14NE0021	1978	Selco Mining Corp Ltd	Gerry Lake Area	Electromagnetic, Magnetic, Magnetometer Survey
52K14NW0020	1979	Selco Mining Corp Ltd	South of Otter Lake	Diamond Drilling
52K14NW0020	1979	Selco Mining Corp Ltd	South of Otter Lake	Diamond Drilling
52K14NW0021	1979	Selco Mining Corp Ltd	South of Otter Lake	Electromagnetic, Magnetic, Magnetometer Survey
52K14NW0026	1980	Selco Mining Corp Ltd	South of Otter Lake	Diamond Drilling, Assaying and Analyses
52K14NW0018	1982	Gold Fields Mining Ltd	South of Otter Lake	Electromagnetic, Magnetic, Magnetometer Survey
52K14NW0019	1982	Gold Fields Mining Ltd	South of Otter Lake	Electromagnetic, Magnetic, Magnetometer Survey
52K14NW0014	1984	Bp Resources Canada	South of Otter Lake	Diamond Drilling
20000005290	1984	Bp Resources Canada	Gerry Lake Area	Electromagnetic, Magnetic, Magnetometer Survey
52K14NW0015	1984-1985	Bp Resources Canada	South of Otter Lake	Diamond Drilling
52K14NW0006	1985	Bp Resources Canada	South of Otter Lake	Diamond Drilling
52K14NW0009	1985	Bp Resources Canada	South of Otter Lake	Diamond Drilling
52K14NW0010	1985	Bp Resources Canada	South of Otter Lake	Diamond Drilling
52K14NW0011	1985	Bp Resources Canada	South of Otter Lake	Electromagnetic, Magnetic, Magnetometer Survey
52K14NW0016	1987	Noranda Exploration Co	South of Otter Lake	Diamond Drilling
52K14NW0005	1988	Noranda Exploration Co	South of Otter Lake	Diamond Drilling
52K13NE9136	1990	Lightval Mines Ltd	South of Otter Lake	Electromagnetic
52K14NE0584	1991	Noranda Exploration Co	South of Otter Lake	Electromagnetic, Magnetic, Magnetometer Survey
52K14NW0034	1991	Bp Resources/Noranda	South of Otter Lake	Diamond Drilling, Geochemical
52K14NW0032	1991	Noranda Exploration Co	South of Otter Lake	Electromagnetic
52N02SW8945	1992- 1993	D R Hawke, G Campbell	Mitchell	Electromagnetic, Geochemical, Geological Survey / Mapping, Magnetic / Magnetometer Survey
52N02SE0027	1992- 1993	D R Hawke, G Campbell	Mitchell	Compilation and Interpretation - Geochemistry, Electromagnetic, Geochemical, Geological Survey / Mapping, Magnetic / Magnetometer Survey, Open Cutting, Prospecting By Licence Holder
52K14NW0024	1994	Noranda Exploration Co	South of Otter Lake	Diamond Drilling, Geochemical
52K14NW0001	1994	Noranda Exploration Co	South of Otter Lake	Electromagnetic, Magnetic / Magnetometer Survey, Open Cutting
52K14NE0040	1994	D R Hawke	Gerry Lake Area	Electromagnetic, Magnetic / Magnetometer Survey, Open Cutting
52K14NW0003	1995	Inco Ltd	South of Otter Lake	Electromagnetic, Magnetic / Magnetometer Survey, Open Cutting
52K14NW2001	1996	Noranda Exploration Co	South of Otter Lake	Electromagnetic, Magnetic / Magnetometer Survey, Open Cutting
52K14NE2001	1997-1998	Tri Origin Expl Ltd	Gerry Lake Area	Assaying and Analyses, Diamond Drilling, Electromagnetic, Geochemical, Magnetic / Magnetometer Survey, Open Cutting
52K14NW2002	1998	Noranda Exploration Co	South of Otter Lake	Diamond Drilling, Assaying and Analyses
52K14NE2006	1998	Tri Origin Expl Ltd	Gerry Lake Area	Airborne Electromagnetic, Airborne Magnetometer
52K14NE2005	1998	Tri Origin Expl Ltd	Gerry Lake Area	Downhole Geophysics, Geochemical, Geological Survey / Mapping
52K14NW2004	2001	Goldcorp Inc	South of Otter Lake	Diamond Drilling, Assaying and Analyses
52K14NW2005	2001	Goldcorp Inc	South of Otter Lake	Geochemical, Line cutting
52K14NE2008	2001	Goldcorp Inc	Gerry Lake Area	Compilation and Interpretation - Ground Geophysics
52K14NW2003	2002	Goldcorp Inc	South of Otter Lake	Diamond Drilling, Assaying and Analyses
52K14NW2006	2002	Goldcorp Inc	South of Otter Lake	Diamond Drilling, Assaying and Analyses
52K14NE2011	2002	Tribute Minerals Corp	Gerry Lake Area	Induced Polarization, Line cutting, Other Geotechnical, Resistivity

AFRI	YEAR	COMPANY	LOCATION	WORK DESCRIPTION
52K14NW2008	2002-2003	Tribute Minerals Corp	South of Otter Lake	Assaying and Analyses, Diamond Drilling, Downhole Geophysics
52K14NW2007	2002-2003	Tribute Minerals Corp	South of Otter Lake	Induced Polarization, Line-cutting, Other Geotechnical, Resistivity
52K14NW2009	2003	Tribute Minerals Corp	South of Otter Lake	Induced Polarization, Line-cutting, Other Geotechnical, Resistivity
52K14NE2014	2003	Tribute Minerals Corp	Gerry Lake Area	Induced Polarization, Linecutting, Other Geotechnical, Resistivity
20000000691	2003-2004	Tribute Minerals Corp	Bruce Lake Area	Assaying and Analyses, Diamond Drilling, Downhole Geophysics
20000001225	2004	Tribute Minerals Corp	South of Otter Lake	Diamond Drilling, Assaying and Analyses
20000000648	2004	Tri Origin Expl Ltd	South of Otter Lake	Assaying and Analyses
20000000527	2004-2005	Roscan Minerals Corp	South of Otter Lake	Airborne Electromagnetic, Line-cutting, Magnetic / Magnetometer Survey
20000019546	2020	Dixie Gold Inc	South of Byshe Area	Airborne Magnetometer, Assaying and Analyses, Compilation and Interpretation - Airborne Geophysics, Geochemical, Geological Survey / Mapping, Prospecting by Licence Holder, Rock Sampling, Soil/Till Sampling
20000020354	2020-2021	Portofino Resources Inc	South of Otter Lake	Airborne Magnetometer, Assaying and Analyses, Rock Sampling, Soil/Till Sampling
20000019752	2020-2021	EMX Properties Canada Inc, Infinite Ore Corp	Gerry Lake Area	Airborne Electromagnetic, Airborne Magnetometer, Assaying and Analyses, Compilation and Interpretation - Airborne Geophysics, Soil/Till Sampling
20000019776	2021	Trillium Gold Mines Inc	South of Otter Lake	Airborne Magnetometer, Compilation and Interpretation - Airborne Geophysics
20000020419	2021	Infinite Ore Corp	South of Otter Lake	Diamond Drilling, Assaying and Analyses
20000020423	2022	Barrick Gold Inc	Rainfall Lake Area	Remote Sensing

5 Soil Survey Program

Fladgate was contracted to conduct SGH and EL soil sampling program on the TGM Confederation North Property. The soil survey program was completed from June to July 2022. The work was completed entirely within South of Otter Lake Area (52K14NW). A total of 286 samples were collected and 281 analyzed for SGH, and 220 samples analyzed for EL on 15 grid lines covering a total of 13,500 line-meters. See Table 3 for Fladgate personnel that worked on the project. The two surveys were completed on the same grid.

Table 3. Work-days spent by Fladgate person on the soil program

Name	Role	Total Days
Leah Clapp	Geologist	2
Kyle Pederson	Geologist	2
Kriss Luchka	Geotechnician	11
Nathan Perkins	Geotechnician	10
Jacob Schneider	Geotechnician	6
Sean Israelson	Geotechnician	6

The grid was designed to test the Dixie 17B base metal prospect for gold prospectivity, and capture any potential signatures associated with structures and geology. Sample locations were decided by TGM geologists prior to the field season and subsequently located in the field by the Fladgate teams using GPS. Actlab's soil sample method for SGH does not require a consistent sampling horizon however, samples were taken from the B horizon when possible. Samples were fist-sized and were mostly extracted at all planned locations.

A total of 286 samples were taken from nine gridlines on a 1500m x 1600m grid-block. The gridlines were spaced approximately 200m apart at intervals of 50m. All soil sample grid lines were orientated northeast-southwest perpendicular to local structures, hypothesized zones of volcanic activity hiatus, and inferred local geology.

A spade or hand auger was used to collect the samples. A diligent cleaning of the tool after each use ensured quality control avoiding cross soil contamination. The sample was then placed in a small sealable plastic bag with a sample tag, clearly labelled with the corresponding sample number. A photograph of the sample in the bag with tags clearly displayed, and the GPS coordinates were taken at each sample site. Sample characteristics and site observations were recorded in the data collection sheets, Appendix 4 – Sample Description.

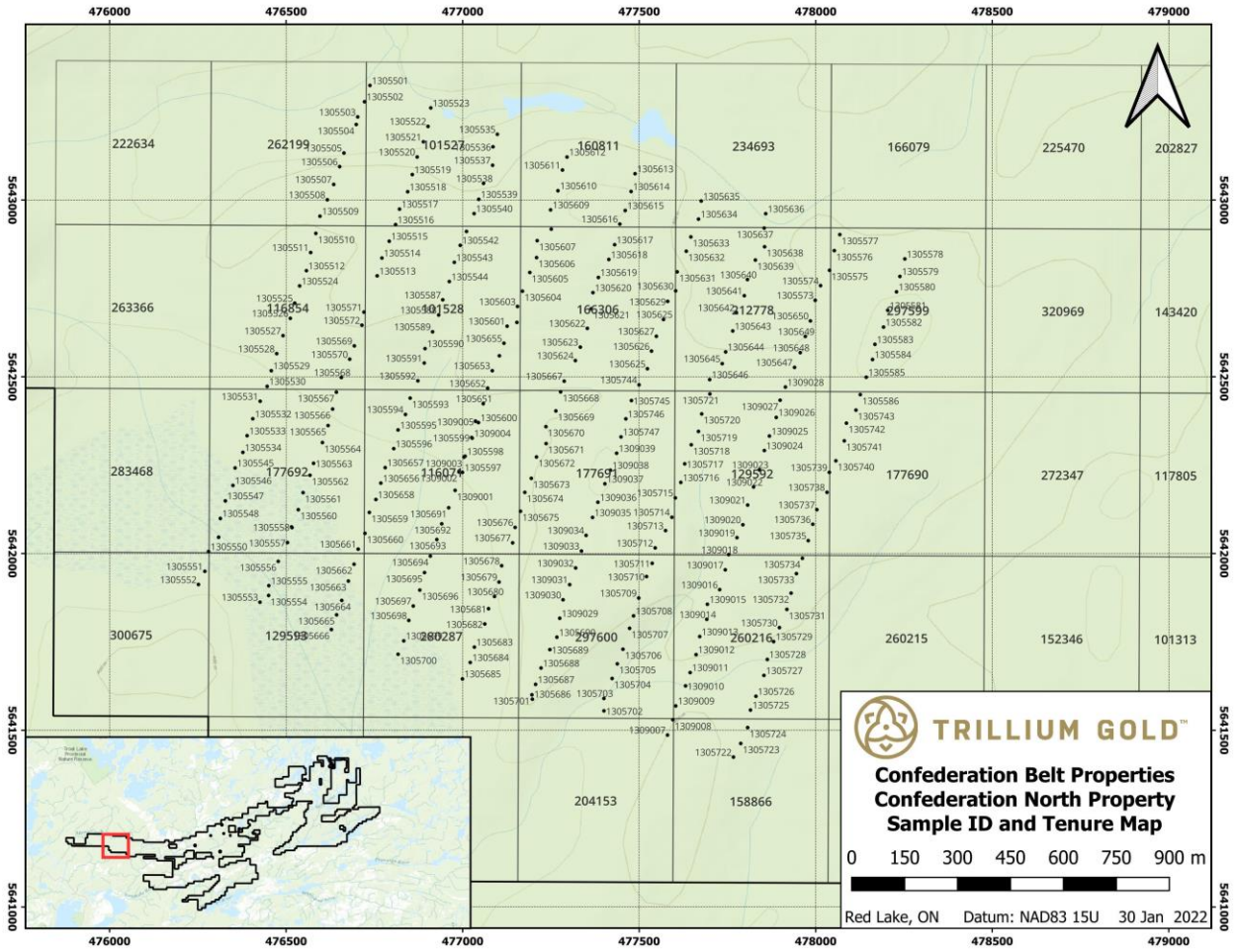

Figure 5. Sample ID distribution within grid.

5.1 Spatiotemporal Geochemical Hydrocarbon (SGH)

Samples were shipped to Actlabs for preparation and analysis using their proprietary method and technology. SGH samples are processed to release undisclosed weakly bound heavy hydrocarbons which are then analyzed by gas chromatograph mass spectrometer, the results of which link the abundance of over 160 hydrocarbon species (reported in parts per trillion, ppt) to target mineralization types using pathfinder compounds (Actlabs SGH 2019 brochure, retrieved November 8, 2021). The results are provided in finalized report format (Appendix 1 – SGH Results)

5.2 Enzyme Leach (EL)

Unlike SGH, enzyme selective extraction surveys recommended sample material in the upper B-horizon, at a consistent depth. After materials are collected, they are air dried below 40°C. Samples are then analyzed under 7-ESE enzyme SE protocols established by Actlabs, where the resultant solutions are analyzed by ICP-MS. Selective Extractions (SE) are a cost-effective method of finding blind mineralization through deep cover such as exotic overburden, lake beds, barren bedrock, or younger volcanic rocks.

The map results of the enzyme leach survey are in Appendix 2 – EL Results with assay values from the enzyme leach filed as Appendix 3 – Assay Tables and Appendix 5 – Certificate of Analysis. Sample descriptions, location information, depths, notes, and other collection data can be found in Appendix 4 – Sample Descriptions.

6 Interpretation

The SGH soil sampling highlighted two redox (reduction-oxidation) zones as prospective areas for gold mineralization (Figure 6, Figure 7). A northeast trending SGH anomaly identified gold targets which coincide with a northeast southwest inferred fault. Mineralization may exist at these locations as a vertical projection beneath these anomalies.

The EL survey only yielded one sample above the Au detection limit of 0.05 ppb. A total of nine heatmaps were generated of chalcophile elements (Figure 6, Appendix 2 – EL Results). The nine heatmaps display their respective anomalies, their proximal relationship to each other and their respective distribution and concentration within the sample grid. Most elements concentrate in the northwest corner of the grid, and secondarily along the southern boundary. The southern boundary is partially bound by a low-lying marshy area.

Elements with elevated concentrations that congregate in the northwest corner of the grid include Cu, Pb, Fe, Mo, Ti, and Zn. Along the southern extent of the grid, As, Pb, Fe, Mo, Cu, Sb, and Ni also exhibit high concentrations, with Pb and Mo being anomalous to the center portion along the southern boundary. The following figures below illustrate the element distribution throughout the grid.

The program was successful in identify anomalous areas from the SGH and enzyme leach surveys which requires future prospecting and ground truthing.

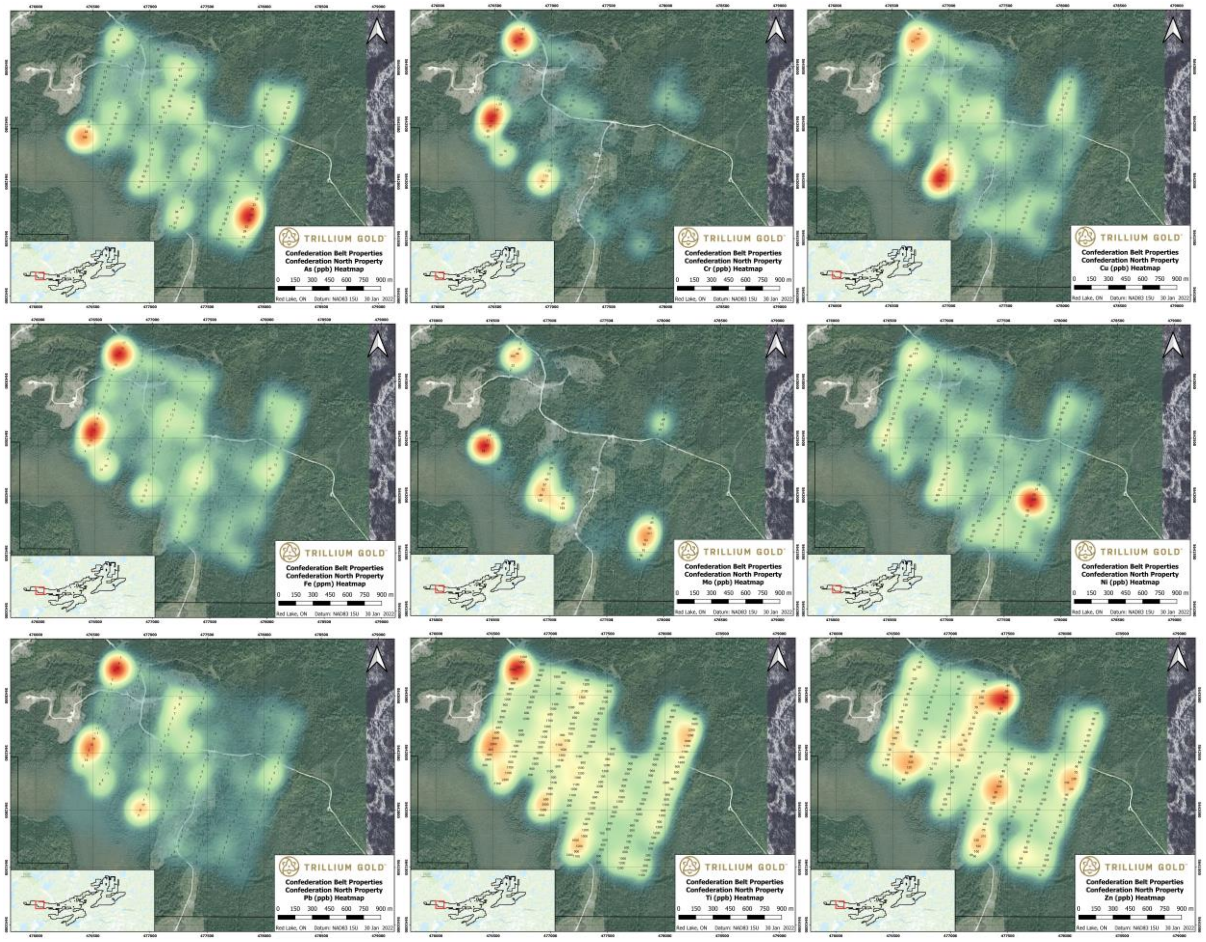

Figure 6. Distribution of chalcophile elemets within the EL sample grid. See Appendix 2 for larger map verisons.

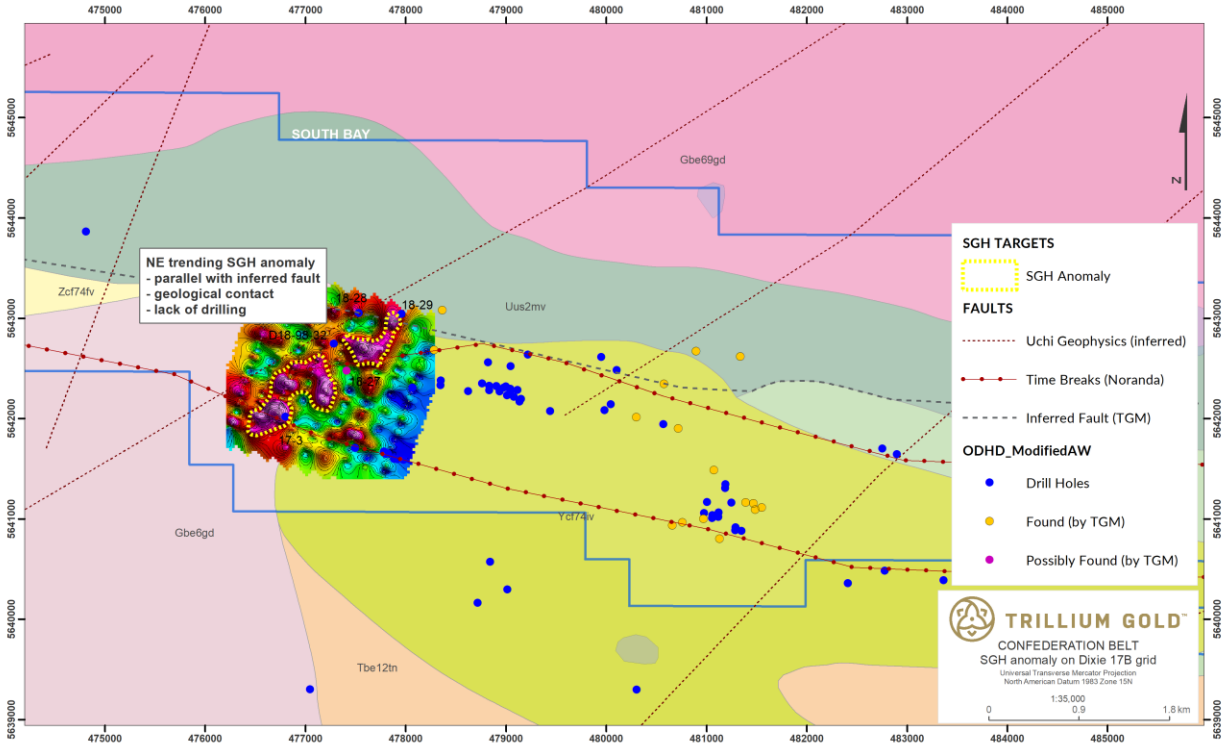

Figure 7: SGH results map.

7 Recommendations

Recommendations for follow-up work include prospecting and rock sampling around the enzyme leach and SGH anomalies. Specifically, it is recommended to attempt to verify the signatures determined by the SGH analysis while considering regional context of the anomalous areas, especially along the inferred northeast southwest fault. Trenching may be recommended if prospective rocks and/or outcrops are found near the anomalous results from this survey. Further work at this time could also include compilation and synthesis of historical structural, lithological, and geochemical data in the grid area. This will enhance the local interpretation and provide future exploration targets to aim for. The work outlined within this recommendation is expected to be approximately $30,000.

8 Bibliography

Breaks, F. W., Bond, W. D., & Westernman, C. J. (1993). Compilation Map, English River Subprovince. Ontario Geological Survey, Preliminary Map P.3901, Scale 1:253 440.

Corfu, F., & Wallace, H. (1986). U-Pb ziron ages for magmatism in the Red Lake greenstone belt, northwestern Ontario. *Canadian Journal of Earth Sciences v.23*, 27-42.

Lemkow, D. R., Sanborn-Barrie, M., Bailes, A. H., Percival, J. A., Rogers, N., Skulski, T., . . . Young, M. (2006). GIS compilation of geology and tectonostratigraphic assemblages, western Uchi Subprovince, western Superior Province, Ontario and Manitoba; Geological Survey of Canada, Open File Report 5269, Manitoba Geological Survey Open File Report OF2006-30, Ontario .

9 Statement of Qualifications

1. I, Samuel Lewis, currently reside at 65 Goldshore Rd, Red Lake, Ontario.
2. I am a graduate of Geological Sciences from University of Manitoba, Winnipeg, Manitoba (B.Sci, 2015).
3. I have been working within the gold exploration industry since 2011 and as a geologist in Yukon, British Columbia, Manitoba, and Ontario since 2015. I am a well experienced exploration geologist that has supervised prospecting, mapping and soils teams, experience with diamond drill management and well-versed with GIS, geochemical and 3D geological software.
4. I am a current practicing member of the Professional Geoscientist of Ontario (Membership #3401).
5. I was involved in the planning, supervision, and work outlined in this report and have reviewed the contents of this report.
6. I am not aware of any material fact with respect to the subject matter of this report, titled, "2022 Spatiotemporal Geochemical Hydrocarbon (SGH) and Enzyme Leach (EL) Soil Survey Report for the Moose Caribou Property" or the omissions of which may make this report misleading.

Dated:

Signed

Samuel Lewis

3D - SGH

"A SPATIOTEMPORAL GEOCHEMICAL HYDROCARBON INTERPRETATION"

TRILLIUM GOLD MINES INC.
CONFEDERATION BELT SGH SURVEY

41 Bittern St. ● Ancaster, ON ● L9G 4V5 ● CANADA ● Tel: (905) 648-9611 ● Fax: (905) 648-9613 ● Toll Free: 1-888-ACTLABS

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SGH – SOIL GAS HYDROCARBON
Predictive Geochemistry

for

TRILLIUM GOLD MINES INC.

CONFEDERATINO BELT SGH SOIL SURVEY

** Jeff Brown,*

Activation Laboratories Ltd

(- author)*

Dale Sutherland (- originator)

EVALUATION OF SAMPLE DATA – EXPLORATION FOR: "GOLD" TARGETS

THE SGH GOLD INTERPRETATION TEMPLATE IS USED FOR THIS REPORT

Workorder: A22-09236

41 Bittern St. ● Ancaster, ON ● L9G 4V5 ● CANADA ● Tel: (905) 648-9611 ● Fax: (905) 648-9613 ● Toll Free: 1-888-ACTLABS

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Executive Summary

It is important to read the Report Preface on the next page as an introduction to the report. For more detail the Overview section on page 8 could also be read.

The CONFEDERATION BELT project area had 281 samples collected in a grid with sample spacing of 50m and line spacing of 200m. These samples were received by Actlabs and were sorted. After drying in our walk-in temperature controlled drying room and subsequent sieving, the samples were made available to the Organics Laboratory for analysis. Samples were extracted and analyzed by Gas Chromatography coupled with Mass Spectrometry (GC/MS). The data was processed and initial mapping completed. After review and interpretation of this project site, a second set of SGH Class maps was developed. The background SGH information, site interpretation and final maps were then entered into the SGH Interpretation Report.

The customized section for this CONFEDERATION BELT Survey starts on page 15. In the author's opinion, the SGH appeared to perform well in terms of response. The grid shape of this survey was beneficial in identifying potential Gold mineralization as apical anomalies through what appears to be a redox zone.

Note that some exploration companies submit this report intact to government assessors as proof of work on their claim. Be aware that the SGH data is not attached to this report; it is supplied separately as an Excel spreadsheet. Government assessors will also have to be supplied with this data.

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E-mail: SGH@actlabs.com ● Web Site: www.actlabs.com

PREFACE

THIS "STANDARD" SGH INTERPRETATION REPORT:

The purpose of this Soil Gas Hydrocarbon (SGH) interpretation "Standard Report" is to ensure that clients and other potential reviewers of the results have a good understanding of this organic, deep penetrating geochemistry. As SGH provides such a large data set and is not interpreted in the same way as an inorganic geochemical method, the provision of this interpretation and report enables the user to realize the results in a timely fashion and capitalizes on years of research and development since the inception of SGH in 1996 combined with the knowledge obtained by Activation Laboratories through the interpretation of SGH data from over 1,100 surveys for a wide variety of target types in various lithologies from many geographical locations. Although referenced today as a "nano-technology", the analysis of SGH has not changed since inception. The report is compulsory as it is the only known organic geochemistry that, in spite of the name, uses "non-gaseous" semi-volatile organic compounds interpreted using a forensic signature approach. Many different sample types can be used in the same survey. Interpretation is based solely on SGH data and does not include the consideration from any other geochemistry (inorganic), geology, or geophysics that may exist related to the survey area(s). This report can also provide evidence of project maintenance. To keep the price to a minimum and to provide as short a turnaround time as practically possible, usually only one SGH Pathfinder Class map is illustrated in a "Standard Report" with an applied interpretation although several other SGH Pathfinder Class maps are used and referenced. Definitions of certain terms or phrases used in this report can be found in Appendix A.

The interpretation in this report has used the results from some of the research with SGH in recent years which has focused on the potential that the SGH data is able to further dissect and understand the relationships between the chemical Redox conditions in the overburden the development of an electrochemical cell and its affect in shaping the upward migration of geochemical anomalies. This has resulted in the development by Activation Laboratories of a new enhanced model of the Electrochemical/ Redox Cell theory originated by Govett (1976) that was further developed to the model by Hamilton (2004, 2007). The new enhanced model developed by Sutherland (2011) takes the general anomalies expected by the Hamilton model to a higher level of detail and specificity. This has resulted in a more confident level of interpretation which has been referenced as 3D-SGH or **3D-"Spatiotemporal Geochemical Hydrocarbons (SGH)"**. This model was formally introduced at the International Applied Geochemistry Symposium (IAGS) organized by The Association of Applied Geochemists that took place in Rovaniemi, Finland, in August 2011. This new level of understanding of the expected anomaly types that can be observed with SGH provides a new level of quality control in the interpretation process as the symmetry of SGH anomalies can assure the interpreter which anomalies are as a result of a buried target. With the enhanced 3D-SGH interpretation that was introduced in 2012, we also mark the beginning of the ability to make some statements regarding the possible depth to mineralization for some projects as we dissect the Redox cell relative to the new Electrochemical Cell theory. The cover of this report is an artist's rendering of the pathways of different classes of Spatiotemporal Geochemical Hydrocarbons which migrate through the overburden. This model is used as the new 3D-SGH interpretation approach.

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DISCLAIMER

This "SGH Interpretation Report" has been prepared to assist the user in understanding the development and capabilities of this Organic based Geochemistry. The interpretation of the Soil Gas Hydrocarbon (SGH) data is in reference to a template or group of SGH classes of compounds specific to a type of mineralization or target that is chosen by the client (i.e. the template for petroleum, gold, copper, VMS, uranium, etc.). The various templates of SGH Pathfinder Classes that together define the forensic identification signature for a wide range of commodity target types; Gold, Nickel, VMS, SEDEX, Uranium, Cu-Ni-PGE, IOCG, Base Metal, Polymetallic, and Copper, as well as for Kimberlites, Coal Seam, Wet Gas and Oil Play, have been developed through years of research and have been further refined from review of case studies and orientation studies has proven to be able to also address a wide range of lithologies. Even with 20+ years of development and experience with SGH, Activation Laboratories Ltd. cannot guarantee that the templates used are applicable to every type of target in every type of environment. The interpretation in this report attempts to identify an anomaly that has the best SGH signature in the survey for the type of mineralization or target chosen by the client. However, this interpretation is not exhaustive and there may be additional SGH anomalies that may warrant interest. It should not be viewed due to the generation of this SGH report, that Activation Laboratories Ltd. has the expertise or is in the business of interpreting any other type of geochemical data as a general service. As the author was trained by the originator of the SGH geochemistry, who has researched and developed this exploration tool since 1996, and has produced similar interpretations using SGH data for over 1,000 surveys, he is the best qualified person to prepare this interpretation as assistance to clients wishing to use this SGH geochemistry. Activation Laboratories Ltd. can offer assistance in general suggestions for sampling protocols and in sample grid design; however we accept no responsibility to the appropriateness of the samples taken. Activation Laboratories Ltd. has made every attempt to ensure the accuracy and reliability of the information provided in this report. Activation Laboratories Ltd. or its employees do not accept any responsibility or liability for the accuracy, content, completeness, legality, or reliability of the information or description of processes contained in this report. The information is provided "as is" without a guarantee of any kind in the interpretation or use of the results of the SGH geochemistry. The client or user accepts all risks and responsibility for losses, damages, costs and other consequences resulting directly or indirectly from using any information or material contained in this report or using data from the associated spreadsheet of results.

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Cautionary Note Regarding Assumptions and Forward Looking Statements

The statements and target rating made in the Soil Gas Hydrocarbon (SGH) interpretive report or in other communications may contain or imply certain forward-looking information related to the quality of a target or SGH anomaly.

Statements related to the rating of a target are based on comparison of the SGH signatures derived by Activation Laboratories Ltd. through previous research on known case studies. The rating is not derived from any statistics or other formula. The rating is a subjective value on a scale of 0 to 6 relative to the similarity of the SGH signature reviewed compared to the results of previous scientific research and case studies based on the analysis of surficial samples over known ore bodies. No information on the results from other geochemical methods, geophysics, or geology is usually available as additional information for the interpretation and assignment of a rating value unless otherwise stated. References to the rating should be viewed as forward-looking statements to the extent that it involves a subjective comparison to known SGH case studies. As with other geochemical methods, an implied rating and the associated anticipated target characteristics may be different than that actually encountered if the target is drilled tested or the property developed. Activation Laboratories Ltd. may also make a scientifically based prediction in this interpretive report to an area that might be used as a drill target. Usually the nearest sample is identified as an approximation to a "possible drill target" location. This is based only on SGH results and is to be regarded as a guide based on the current state of this science.

Unless otherwise stated, Activation Laboratories Ltd. has not physically observed the exploration site and has no prior knowledge of any site description or details or previous test results. Actlabs makes general recommendations for sampling and shipping of samples. Unless stated, the laboratory does not witness sampling, does not take into consideration the specific sampling procedures used or factors such as; the season of sampling, sample handling, packaging, or shipping methods. The majority of the time, Activation Laboratories Ltd. has had no input into sampling survey design. Where specified Activation Laboratories Ltd. may not have conducted sample preparation procedures as it may have been conducted at the client's assigned laboratory external to Actlabs. Although Actlabs has attempted to identify important factors that could cause actual actions, events or results to differ scientifically which may impact the associated interpretation and target rating from those described in forward-looking statements, there may be other factors that cause actions, events or results that are not anticipated, estimated or intended. In general, any statements that express or involve discussions with respect to predictions, expectations, beliefs, plans, projections, objectives, assumptions, future events or performance are not statements of historical fact. These "scientifically based educated theories" should be viewed as "forward-looking statements".

Readers of this interpretive report are cautioned not to place undue reliance on forward-looking information. Forward looking statements are made based on scientific beliefs, estimates and opinions on the date the statements are made and for the interpretive report issued. The Company undertakes no obligation to update forward-looking statements or otherwise revise previous reports if these beliefs, estimates and opinions, future scientific developments, other new information, or other circumstances should change that may affect the analytical results, rating, or interpretation.Actlabs nor its employees shall be liable for any claims or damages as a result of this report, any interpretation, omissions in preparation, or in the test conducted. This report is to be reproduced in full, unless approved in writing.

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SOIL GAS HYDROCARBON (SGH) GEOCHEMISTRY – OVERVIEW

In the search for gas, oil, minerals and elements, geologists require tools to assess the location and potential quantity of minerals and ores. In the past people looked at the landscape to find the deposit. Similar landscapes indicate similar mineral and metal deposits. This is searching on a macro level, while geochemistry is searching on a micro level. Surficial materials requires many minerals and elements, so surficial materials can contain indications of the presence of minerals and elements.

SGH is a deep penetrating geochemistry that involves the analysis of surficial samples from over potential mineral or petroleum targets. The analysis involves the testing for 162 hydrocarbon compounds in the C5-C17 carbon series range applicable to a wide variety of sample types. These hydrocarbons have been shown to be residues from the decomposition of bacteria and microbes that feed on the target commodity as they require inorganic elements to catalyze the reactions necessary to develop hydrocarbons and grow cells in their life cycle. Specific classes of hydrocarbons (SGH) have been successful for delineating mineral targets found at over 950 metres in depth. Samples of various media have been successfully analyzed i.e., soil (any horizon), sand, till, drill core, rock, peat, humus, lake-bottom sediments and even snow. After preparation in the laboratory, the SGH analysis incorporates a very weak leach, essentially aqueous, that only extracts the surficial bound hydrocarbon compounds and those compounds in interstitial spaces around the sample particles. These are the hydrocarbons that have been mobilized from the target depth. SGH is unique and should not be confused with other hydrocarbon tests or traditional analyses that measure C1 (Methane) to C5 (Pentane) or other gases. Thus, in spite of the name, SGH does not analyze for any hydrocarbons that are actually gaseous at room temperature and SGH can also be used to analyze for hydrocarbons in sample types other than soil. SGH is also different from other soil hydrocarbon tests that thermally extracts or desorbs all of the hydrocarbons from the whole soil sample. This test is less specific as it does not separate the hydrocarbons and thus does not identify or measure the responses as precisely. These tests also do not use a forensic approach for identification. In SGH, the hydrocarbons in the sample extract are separated by high resolution capillary column gas chromatography and then detected by mass spectrometry to isolate, confirm, and measure the presence of only the individual hydrocarbons that have been found to be of interest from initial research and development and from performance testing especially from two Canadian Mining Industry Research Organization (CAMIRO) projects (97E04 and 01E02).

Over the past 20+ years of research, Activation Laboratories Ltd. has developed an in-depth understanding of the unique SGH signatures associated with different commodity targets. Using a forensic approach we have developed target signatures or templates for identification, and the understanding of the expected geochromatography that is exhibited by each class of SGH compounds. In 2004 we began to include an SGH interpretation report delivered with the data to enable our clients to realize the complete value and understanding of the SGH results in a short time frame and provide the benefits to them from past research sponsored by Actlabs, CAMIRO, OMET and other industrial sponsors. In 2011, a new model of Electrochemical/Redox Cell theory was proposed and the new 3D-SGH interpretation approach based on this theory was incorporated in 2012 on a routine basis for SGH interpretation reports.

SGH has attracted the attention of a large number of Exploration companies. In the above mentioned initial research projects the sponsors have included (in no order): Western Mining Corporation, BHP-Billiton, Inco, Noranda, Outokumpu, Xstrata, Cameco, Cominco, Rio Algom, Alberta

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Geological Survey, Ontario Geological Survey, Manitoba Geological Survey and OMET. Further, beyond this research, Activation Laboratories Ltd. has interpreted the SGH data for over 1,000 targets from clients since January of 2004. In both CAMIRO research projects over known mineralization, client orientation studies, and in exploration projects over unknown targets, SGH has performed exceptionally well. As an example, in the first CAMIRO research project that commenced in 1997 (Project 97E04), there were 10 study areas that were submitted blindly to Actlabs. These study sites were specifically selected since other inorganic geochemical methods were unsuccessful at illustrating anomalies related to the target. Although Actlabs was only provided with the samples and their coordinates, SGH was able to locate the blind mineralization with exceptional accuracy in 9 of the 10 surveys. In 2007, shortly after providing SGH interpretation reports, SGH was credited in helping locate previously unknown mineralization, e.g. Golden Band Resources drilled an SGH anomaly and discovered a significant vein containing "visible" gold. (www.goldenbandresources.com) SGH has been very successful and mining companies have repeatedly used SGH on several reports. Of those clients that try this SGH Geochemistry, over 90+% have continued to use this technique as repeat clients. SGH has helped discover a large number of new deposits, however many clients have kept this to themselves as a competitive strategy.

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SOIL GAS HYDROCARBON SURVEY DESIGN AND SAMPLING

Summary: See Appendix C for more details

In summary, the best conditions for the sample type and survey design include:

- Fist sized samples are usually retrieved from a shallow dug hole in the 15 to 40 cm range of depth.
- Different sample types can be taken even "within" the same survey or transect, data leveling is rarely required. SGH is highly effective in areas of very difficult terrain. The Golden Rule is to always take a sample.
- Samples should be evenly spaced in a grid or as a second choice, in a series of transects with sample lines spaced at a ratio of up to 4:1 (line spacing: sample spacing).
- A minimum of 50 sample "locations" is recommended with one-third over the target and one-third on each side of the target into background if this can be predicted. More samples representing a larger area is preferred in order to optimize data contrast.
- If very wet, samples can be drip dried in the field. No special preservation is required for shipping.
- Relative or UTM sample location coordinates are required to allow interpretation.

SAMPLE PREPARATION AND SGH ANALYSIS

Summary: See Appendix D for more details

Upon receipt at Activation Laboratories:

- The samples are air-dried at a relatively low temperature of 40°C.
- The samples are then sieved and the -80 mesh sieve fraction (<177 microns, although different mesh sizes can be used at the preference of the exploration geologist) is collected.
- The collected "pulp" is packaged in a Kraft paper envelope and transferred from our sample preparation department to our Organic Geochemical department also located in our World Headquarters in Ancaster, Ontario, Canada.
- Each sample is then extracted, compounds separated by gas chromatography and detected by mass spectrometry at a *Reporting Limit* of one part-per-trillion (ppt).
- The results of the SGH analysis is reported in raw data form in an Excel spreadsheet as "semi-quantitative" concentrations without any additional statistical modification.

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SGH DATA QUALITY

Summary: See Appendix E for more details

Reporting Limit:

- The Excel spreadsheet of concentrations for the Hydrocarbons monitored is in units of ppt as "parts-per-trillion" which is equivalent to nanograms/kilogram (ng/Kg). The reporting limit of 1 ppt represents a value of approximately 5 times the standard deviation of low level analysis. Essentially all background noise has already been eliminated. All data reported should be used in geochemical mapping. Actual detectable levels can be significantly < 1 ppt.

Laboratory Replicate Analysis:

- An equal aliquot of a random sample is analyzed as a laboratory replicate.
- Due to the large amount of data, the estimate of method variability is reported as the percent coefficient of Variation (%CV).
- A laboratory replicate analysis is reported at a frequency of 1 for every 15 samples analyzed.
- The variability of field duplicate samples are similarly reported if identified.

Historical SGH Precision:

- Although the SGH analysis reports results at such trace ppt concentration levels, the average %CV for laboratory replicates is excellent at an average of 8% within a range of ±4%.
- Field duplicates have historically been 3 to 5% higher than laboratory replicates.

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SGH DATA INTERPRETATION

Summary: See Appendix F for more details

SGH Interpretation and Report:

- Due to the very large data set provided by the SGH analysis, this interpretation report is provided to offer guidance in regards to the results of this geochemistry for the survey.
- In our interpretation procedure, we separate the 162 compound results into 19 SGH sub-classes. These classes include specific alkanes, alkenes, Thiophenes, aromatic, and polyaromatic compounds. The concentrations of the individual hydrocarbons within a class are simply summed. None of these compounds are gaseous at room temperature.
- At this time the magnitude of the hydrocarbon class data has not been proven to imply a higher grade or quantity of the mineralization if present.
- A "geochemical anomaly threshold value" should not be calculated for SGH data as any background or noise has already been filtered out through the use of a Reporting Limit instead of some type of detection limit.
- SGH hydrocarbon data should never be interpreted individually. Interpretation must always use a compound class.
- Multiple SGH Classes are compared. Multiple SGH Classes that have been associated with the presence of specific mineralization are called SGH Pathfinder Classes that together represent the forensic signature or fingerprint identification that is associated with a specific type of mineralization or petroleum play.
- The anomalies of each class are compared as to their geochromatographic dispersion and ability to vector to a common location that may be referenced as a potential drill target.
- The agreement and behaviour between SGH Pathfinder Classes for a type of target, as a template of Classes, is compared against SGH research and orientation studies. The quality of agreement is expressed as an SGH Rating of confidence that the SGH anomalies of the survey being interpreted are similar to the behaviour of these classes over known mineralization.
- The interpretation is customized for the project survey by the Author. The SGH Rating and Interpretation is subjective and based on the experience from 1,000+ SGH survey interpretations. The interpretation is not conducted or assisted by any computerized process.

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SGH CHARACTERISTICS

Summary: See Appendix G for more details

SGH Characteristics:

- The pattern of SGH anomalies are usually of high contrast and easily observed.
- SGH is able to illustrate exceptionally symmetrical anomalies in spite of exotic overburden and barriers such as permafrost, shale and basalt caps, previously thought to be impenetrable.
- Inorganic geochemistry can illustrate anomalies of metals that have been mobilized by surficial physical processes. As SGH is essentially "blind" to the inorganic content of a sample, SGH anomalies illustrate the true source of mineralization as it is not affected by the effects of terrain or from mobilized cover such as from glacial transport.
- As SGH hydrocarbons are essentially non-polar, highly symmetrical anomalies are observed. As such symmetry is rare in geochemistry this provides a higher level of confidence to the interpretation that is reflected by a higher SGH Rating Score in comparison to known case studies.
- SGH can be analyzed on samples collected in different seasons or adjacent years. The combined data most often does not require any data leveling.

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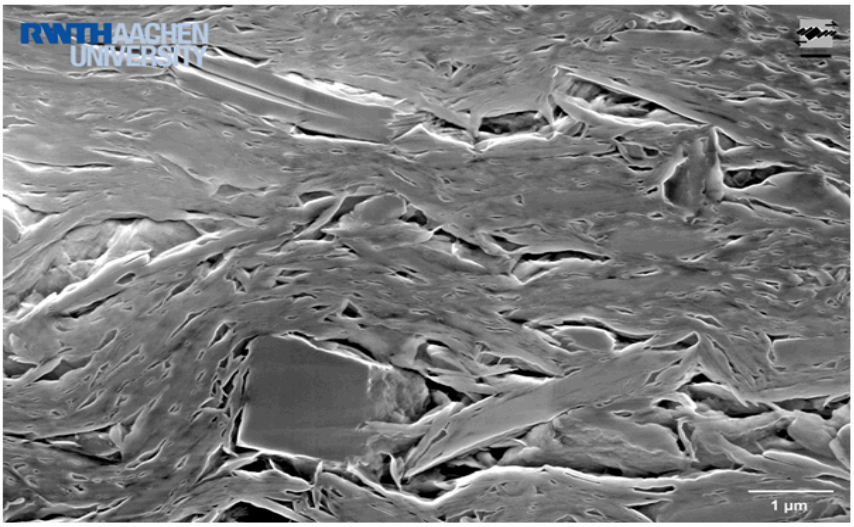
SGH INTERPRETATION – LATEST ENHANCEMENTS

SGH continues to be developed even after 18 years since inception. Although the sample preparation and analysis has stayed the same, in the last 10 years in particular it is the interpretation and understanding of the SGH data and the intricacies of the SGH signatures that have been more refined. In the last 4 years this understanding has extended to the ability to make some prediction of depth from just the use of this geochemistry. A "first" for a geochemistry that is unique to SGH. Today the latest SGH development is the introduction of the concept of the "transparent overburden". The basis of this ability is the understanding that SGH is a Nano-geochemistry. The term "Nano" is not only used to describe the capability in detecting "Nano" quantities of these hydrocarbon based bacterial decomposition products, with the ability to detect 1 nanogram per kilogram (ng/Kg or 1 part-per-trillion), but "Nano" also describes the size of the hydrocarbon compounds detected which are typically < 1 micron in size. These relatively non-polar hydrocarbons are far smaller in size than inorganic oxides and sulphides. This difference is the reason why SGH anomalies are reliable vertical projections of mineral and/or petroleum based targets. This SGH Nano-geochemistry thus makes even the most exotic overburden "transparent". The SEM (Scanning Electron Microscope) image below illustrates the large number of micron sized pore spaces in "Boom Clay", specific high density clay, used to cap deep chambers of high hazard and radioactive wastes. To SGH, this is just a sieve that these hydrocarbons are able to still migrate through by Nano-Capillary action. Inorganic oxides and sulphide anomalies from targets below such complex overburden may be laterally displaced as they must rely on faults and shears in order to migrate to the surface



This new understanding of the rationale of why SGH anomalies are so reliable in their vertical projection of the location of mineralization and in the ability to so accurately delineate shallow and deep mineralization has further lead to the ability to use SGH to review different layers of the overburden as it relates to the mineral target due to the wide molecular weight range of the SGH Nano-geochemistry. Another factor that aids in this review of layers, much like peeling back the layers of a sweet-onion, is the understanding of weathering processes in the 5 metres near the surface that includes the Vadose zone.

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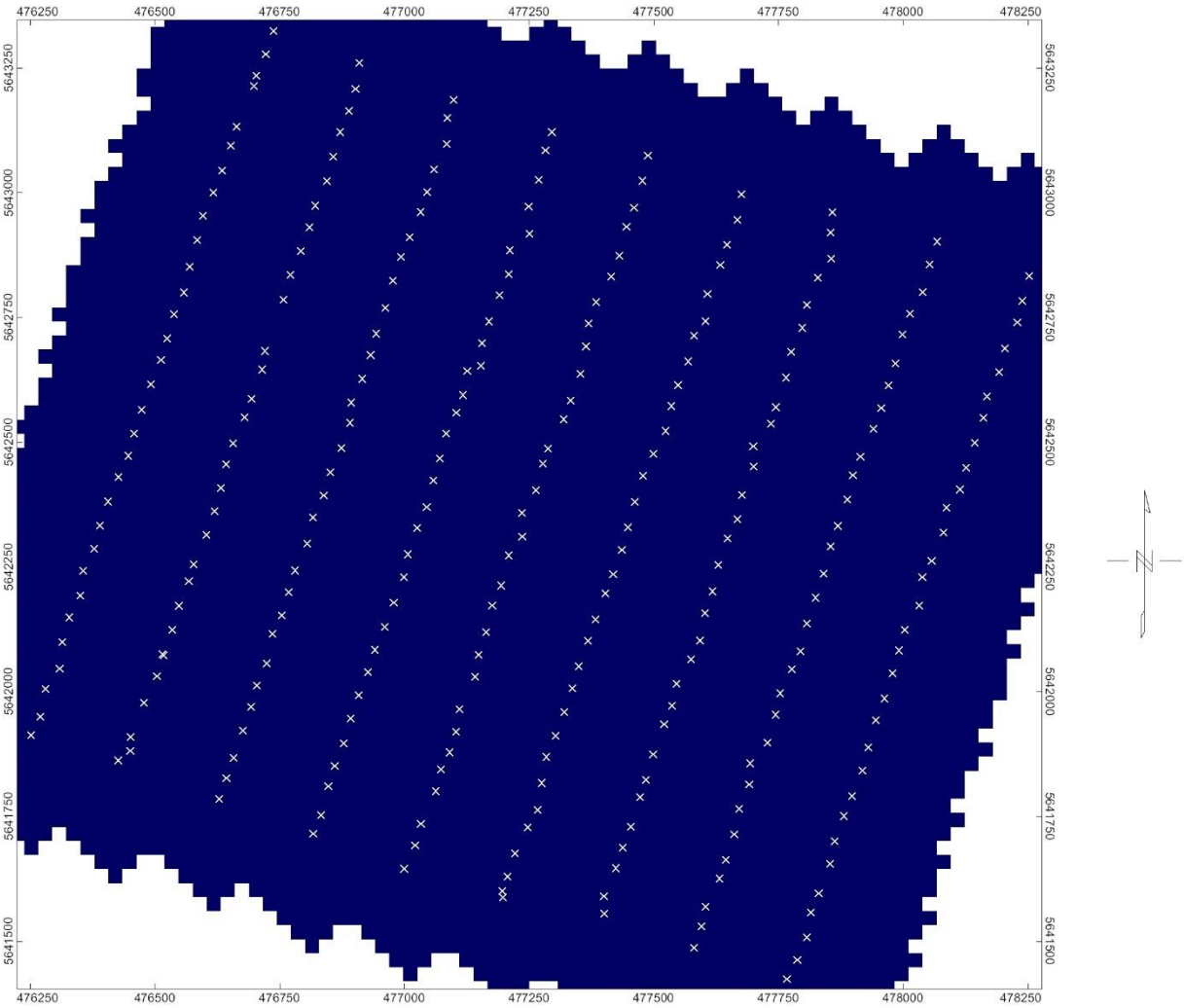
INTERPRETATION OF SGH RESULTS - A22-09236
TRILLIUM GOLD MINES – CONFEDERATION BELT SURVEY

This report is based on the SGH results from the analysis of a total of 281 soil samples from the CONFEDERATION BELT survey. The survey can be described as a grid with sample spacing of approximately 50m and approximately 200m line spacing. The samples were shipped to Actlabs Global Headquarters, then prepared for analysis. Sample coordinates were provided for mapping of the SGH results for these samples in UTM format. A sample location map is shown below.



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SGH INTERPRETATION - TRILLIUM GOLD MINES
QUALITY ASSURANCE – CONFEDERATION BELT SOIL SURVEY

Note that the associated SGH results are presented in a separate Excel spreadsheet. This data is semi-quantitative and is presented in units of pg/g or *parts-per-trillion* (ppt) as the concentration of specific hydrocarbons in the sample. The number of samples submitted for this survey is more than adequate to use SGH as an exploration tool. SGH has been proven to discriminate between false mobilized soil anomalies and is able to actually locate the source target deposition. SGH is a deep-penetrating geochemistry and has been proven to locate Copper, Gold, VMS, and other types of mineralization as well as for petroleum targets at several hundred metres below the surface irrespective of the type of overburden. Note that the SGH data is only reviewed for the particular target deposit type requested, in this case for the presence of gold. It is assumed that there is only one potential target. If known, in surveys with several complex geophysical targets, to obtain the best interpretation the client should indicate that there are possibly multiple targets. The possibility of multiple geophysical targets should be known due to potential overlap and increased complexity of the resulting geochromatographic anomalies, which could alter the interpretation as to which targets are mineralized or not.

The overall precision of the SGH analysis for the samples at the CONFEDERATION BELT Soil Survey was excellent as demonstrated by 19 samples taken from this survey which were used for laboratory replicate analysis and were randomized within the analytical run list. The average Coefficient of Variation (%CV) of the replicate results for the samples in this survey was **9.0%** which represents an excellent level of analytical performance especially at such low parts-per-trillion concentrations.

The location of **Field Duplicate samples was not identified from the CONFEDERATION BELT Soil Survey**. It is typically observed that the variability of field duplicates are 5% to 8% CV higher than for laboratory duplicates of random samples taken from the survey. Note that the SGH geochemistry does not detect all organic hydrocarbons present in the samples.

No other statistics were used on the data for this report for mapping or interpretation purposes aside from the use of a Kriging trending algorithm in the GeoSoft Oasis Montaj mapping software. **This interpretation is based only on the analytical results provided by the SGH Nano-Geochemistry from this submission of samples for the CONFEDERATION BELT survey samples.** A template or group of SGH Pathfinder Classes that have been found to be associated with buried Gold targets was used as the basis for the interpretation of this area. The final interpretation is customized and conducted by the author. Although the term "template" or "signature" appears in this SGH Report, a computerized interpretation is not used.

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SGH INTERPRETATION - SGH TARGET PATHFINDER CLASS MAPS

The map shown in plan and in 3D views in this report are SGH "Pathfinder Class maps" for targeting various chemical classes of hydrocarbon flux signatures related to gold type targets. This report may have been expanded by the author to include additional SGH information that may help understand the structure of the findings if present at the CONFEDERATION BELT survey area. The map shown represents the simple summation of several individual hydrocarbon compound concentrations that are grouped from within the same organic chemical class. SGH Pathfinder Class maps have been shown to be robust as they are each described using from 4 to 14 chemically related SGH compounds (unless otherwise stated) which are simply summed to create each chemical class map. Thus, each map has a higher level of confidence as it is not illustrating just one compound measurement.

The Gold template of SGH Pathfinder Classes uses primarily low and medium molecular weight classes of hydrocarbon compounds. At least three Pathfinder Class maps, associated with the SGH signature developed must be present to begin to be considered for assignment of a good rating relative to the SGH performance in case studies over known gold types of mineralization (some of these maps might not be shown in this report). These SGH classes must also concur and support a consistent interpretation in relation to the expected geochromatographic characteristics of the Pathfinder Class. The *overall* SGH interpretation Rating has even a higher level of confidence as it further implies the consensus between at least three SGH pathfinder classes. A combination of these SGH Pathfinder Classes potentially defines the signature of a target at depth if present. Each of the SGH Pathfinder Class maps shown in this report is a specific *portion* of the SGH signature relative to the presence of Gold as described. Each pathfinder class map is still just one of the Pathfinder Class maps used in the interpretation template for Gold. Additional interpretation information which may contain additional SGH Pathfinder Class maps is available as a Supplementary Report at an additional price (see Appendix H).

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A22-09236 – TRILLIUM GOLD MINES
CONFEDERATION BELT SOIL SURVEY - SGH INTERPRETATION
SGH TARGET PATHFINDER CLASS MAPS

Note that any concentration value in the accompanying Excel spreadsheet greater than the "Reporting Limit" of 1 ppt is important data and has been able to depict mineralization or petroleum plays at depth under cover in other projects. The majority of the variability or noise has already been eliminated; additional filtering will adversely affect any interpretation. Note again that a Kriging trending algorithm has been applied to the mapping routine in the Geosoft Oasis Montaj software in the development of the SGH Class maps. SGH concentrations are in some way probably related to the amount of mineralization or petroleum resource present, which probably defines the characteristics or quantity of the biofilm(s) in contact with the target, as well as being related to the depth to the target. SGH results have also been shown to correlate well with geophysical measurements such as magnetic anomalies and those of CSAMT.

The SGH Class maps are the plot of the sums of the particular hydrocarbon class in parts-per-trillion concentration. The dark blue areas of these maps represent very low or non-detect values or areas where no samples were taken. For plotting purposes the values at the Reporting Limit are plotted as one-half of this filtering, or one-half of 1.0 ppt. The hotter colours represent higher concentrations of the sum of the class with the highest values being purple in colour. The lowest concentrations that may be at 0.5 ppt, are shown in blue.

SGH is a "deep penetrating" geochemistry but also works well for deep targets as well as relatively shallow targets. Targets shallower than about 3 to 5 metres (or potentially outcrop) will have a reduced SGH signal due to interaction with atmospheric conditions and samples taken right at surface outcrops will have even weaker signals due to a higher degree of weathering from various environmental processes on these volatile and semi-volatile organic hydrocarbons.

In the interpretation of SGH data there are several goals. In order of importance they are:

- Review for the presence of Redox Cells
- Vector to the location of a mineral target
- Delineate the mineral target
- Identify the type of mineral target
- Describe the features of the possible mineral target
- See if there is information on the basement structure
- Predict a drill target
- Predict the possible depth to the mineral target

Not every goal is expected to be able to be achieved with each SGH data set or survey.

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A22-09236 – TRILLIUM GOLD MINES
CONFEDERATION BELT SOIL SURVEY
SGH INTERPRETATION RATING AND CLARIFICATION

Often a geochemistry such as SGH is used as an economical exploration investigation tool to provide more information on an exploration target as some geological body or help prioritize some geophysical target. Such occurrences are in general expected to change the chemistry of the immediate overburden which in turn is expected to result in a chemical anomaly as detected in surficial samples. The author believes that it is important to convey to the client the presence of an anomaly even if there is only part of the SGH signature present that may be related to the mineral signature or template requested. In other words, the anomaly illustrated in the report may not be representative of the mineralization sought as only a part of the SGH signature is present, but the anomaly may confirm the presence of some geological or geophysical target which may be valuable to the client for comparison with other data. In addition, it would confirm the ability and sensitivity of SGH to show geological or geophysical occurrences. Example: A well-defined rabbit-ear anomaly on an SGH Pathfinder Class map in a report, even though it may have a lower rating of 2.0 or 3.0, may illustrate to the exploration geologist that SGH does agree that there is some geological body at depth that is changing the chemistry and forming a Redox cell in the overburden. However, the SGH forensic signature Rating indicates that there is a lower confidence that the "identification" of that body is likely to be say Gold (if the SGH Gold template is requested). This information would provide a confirmation that a target does exist, however if the SGH Rating indicates that the target has a lower level of confidence then the target does not have the forensic signature of the mineralization sought. SGH would thus provide a savings to the exploration program and divert focus to potentially other targets having a higher confidence in the SGH identification Rating for Gold in this example.

Thus, the SGH rating must always be considered in conjunction with the SGH Pathfinder Class map(s) shown in the report. It is this rating that provides an insight into the authors' complete interpretation and is a measure of the confidence and to what degree the complete SGH signature compares with the SGH results from over case studies of similar known deposits. Unfortunately, the interpretation of a visual, as the SGH map provided, is so ingrained in humans that the reader may erroneously disregard the author's subjective rating to a large degree. As of November 25, 2011, the author now highlights the rating directly on the page having the plan view of the SGH Pathfinder Class map chosen to be illustrated. Thus to the reader of the report, the authors Rating is actually **MORE IMPORTANT** than the readers instinctive interpretation of just the one map provided. Again, SGH should not be used in isolation from other site information, and that a Rating of 4.0 is when, in the authors' estimation, a signature only starts to have a good identification relative to that type of mineralization, and that the survey may warrant further study although it is not a specific recommendation to drill test the anomaly. As the SGH interpretation is represented by a signature, the SGH Pathfinder Class map(s) illustrated in reports is always only "PART" of the specific SGH signature or template that the client requests (i.e. for Gold, etc.). No one SGH map can represent the complete signature due to the different amounts of spatial dispersion of the anomalies that are expected for the variety of SGH chemical classes within each signature. Thus the author selects the one SGH Class Map relative to the mineralization requested that best represents an anomaly that estimates the overall signature found in the survey.

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A22-09236 – TRILLIUM GOLD MINES – CONFEDERATION BELT SGH "REDOX" INTERPRETATION

As a general comment in regard to the SGH results at the CONFEDERATION BELT Soil Survey, the SGH data in general had good signal strength and the SGH Class map in this report is fairly good in contrast. It's important to not think of contrast with SGH as Signal:Noise as by using a "Reporting Limit" the noise has already been completely or nearly completely removed.

One of the first steps in the interpretation of the spatial aspect of SGH data is to locate potential Redox conditions in the overburden. Redox conditions have been well known to be related to blind mineral or petroleum targets; however, Redox conditions can also be attributed to other geological bodies that are of no particular interest. SGH signatures have been shown to be able to differentiate between these targets. SGH has been described by the Ontario Geological Survey of Canada (OGS) as a "Redox Cell locator". Redox Cells can be related to the presence of bacteriological activity related to mineralization but also may be related to the presence of geological bodies such as Granite Gneiss, Dunite, etc. Recently SGH has been shown to be far more sensitive to depicting Redox conditions than even measurements using pH or ORP tests. It is important to understand that; not only is SGH a Redox cell locator, but due to the forensic signature of mineralization used in the interpretation process, SGH can discriminate mineral targets and other target types from geological bodies, other magnetically detected targets, mineralized versus non-mineralized conductors, cultural effects, etc. even in surveys over highly difficult or exotic terrain that often requires the collection of multiple sample types. In the interpretation it is not necessary to detect a Redox cell if mineralization is within approximately 30 metres of the surface as this would be insufficient depth to develop a dispersion halo anomaly. Many SGH surveys for Gold, Petroleum, and other mineral and petroleum based targets can result in multiple types of anomalies, depending on the class of SGH compounds, even over the same target and in the same set of samples. Thus "Apical", "Segmented-Nested-Halo", and "Rabbit-Ear" or "Segmented Halo" type anomalies are all typically observed within the SGH data set from the effect of Redox cells that have developed over mineralization and their interaction with Redox conditions and the electromotive forces produced by the subsequent Electrochemical Cell. Different types of anomalies have also been associated with the depth to the target. The types of anomalies developed have been recently explained by the use of the 3D-SGH model of interpretation. The highly symmetrical anomalies illustrated by SGH data closely follow the expected self-organizing patterns of neutral species within an electrochemical cell in recent experiments in physics laboratories. The highly symmetrical anomalies are also able to be observed as the Nano-sized dimensions of these organic hydrocarbons are much smaller than inorganic oxides and sulphides. Thus the SGH hydrocarbons can migrate through the Nano-sized fissures of even clay, basalt, and permafrost caps by means of Nano-capillary action. The simple fact that the SGH anomalies are geometrically symmetrical and not random further improves the confidence of SGH interpretations.

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A22-09236 – TRILLIUM GOLD MINES - CONFEDERATION BELT
SGH "GOLD" INTERPRETATION

Remember that signals near the edges of the survey or at the ends of transects can appear to be higher due to the Kriging trending algorithm applied for mapping. For this reason, these anomalies may not be interpreted.

The SGH Class maps are only a portion of the SGH Gold signature used in each interpretation. There is not any one SGH Class map that can, as a single map, be reliably used to interpret the presence of Copper, Gold or any other type of mineralization. Again, as signals or anomalies due to any analytical, sample preparation, or sampling procedure "noise" have been removed through the use of the Reporting Limit filter, any SGH anomaly on this Pathfinder Class Map has a high probability of being real data. The SGH Pathfinder Class maps shown are highly sensitive in illustrating strong results for Gold based on previous research and case studies. Other SGH Classes at the CONFEDERATION BELT survey agree with the interpretation shown in the following pages.

This portion of the SGH hydrocarbon signatures is predicted to be associated with Gold targets as the detection of those hydrocarbon residues produced by the decomposition of microbes and bacteria from the life cycle death phase that have been feeding on Gold. These residues have subsequently migrated to the surface as a flux of different classes of hydrocarbons or decomposition products. During migration to the surface, dispersion away from the mineralization is expected. The distance of dispersion is dependent on the principle of geochromatography that is in generally related to the average molecular weight of the class. It has been found that the complexity of the overburden does not affect the geochromatographic dispersion of the SGH classes of this Nano-Geochemistry, unless a situation is encountered such as that of a "major" fault that may result in a very slight deflection of this path. This is the basis of the 3D-SGH interpretation as the relatively neutral hydrocarbons that SGH detects are spatially observed as very symmetrical anomalies (as presented by the creator at the IAGS conference in Finland in 2011 and further at the IAGS conference in New Zealand in November of 2013 and Tucson Arizona in 2015).

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A22-09236 – TRILLIUM GOLD MINES – CONFEDERATION BELT SGH GOLD INTREPRETATION

Page 23 of this report, and in 3D-view on page 24, shows the anomalies from one of the most reliable SGH Pathfinder Classes in predicting the presence of Gold Mineralization. This map illustrates northeast trending apical anomalies through what appears to be a potential Redox Zone. We believe that mineralization might exist at these locations as a vertical projection beneath these anomalies. Other SGH Pathfinder Class Maps associated with the presence of gold mineralization (not shown in this report) support this interpretation of these anomalies at the CONFEDERATION BELT Project.

Again, the prediction of these anomalies for gold mineralization is based only on SGH.

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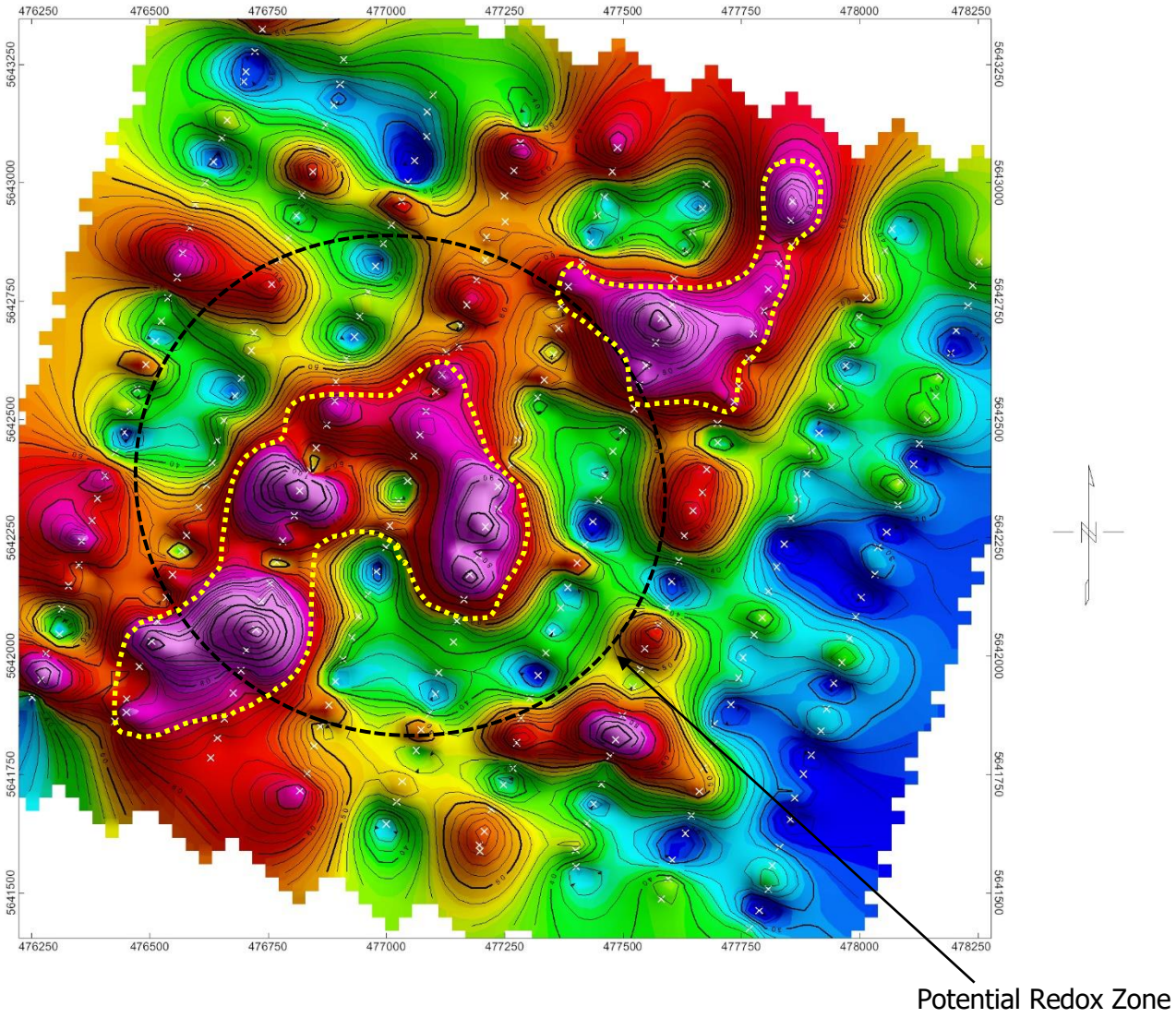
A22-09236 – TRILLIUM GOLD MINES – CONFEDERATION BELT
SGH "GOLD" PATHFINDER CLASS MAP



PREDICTED GOLD MINERALIZATION – YELLOW OUTLINES

SGH SIGNATURE RATING RELATIVE TO "GOLD" = 5.0 OF 6.0

GEOSOFT

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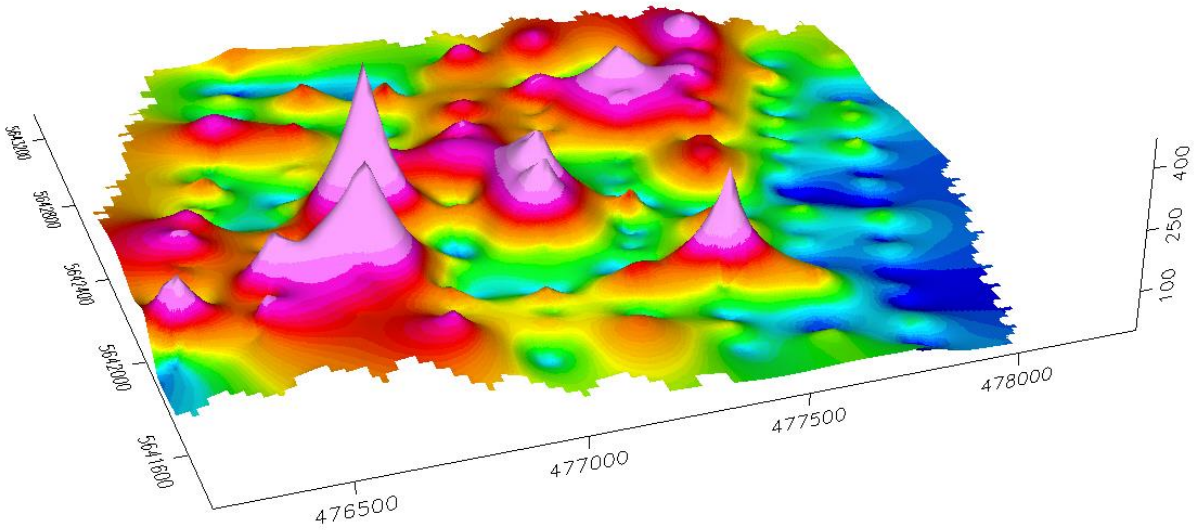
SGH "GOLD" PATHFINDER CLASS MAP



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A22-09236 – TRILLIUM GOLD MINES
CONFEDERATION BELT SOIL SURVEY - SGH INTERPRETATION FOR THE PRESENCE OF MINERALIZATION

The interpretation of the SGH data on page 23 relative to the presence of gold mineralization at the Trillium Gold Mines CONFEDERATION BELT survey may be based on the makeup of SGH signatures with the possible presence of mineralization.

In general, SGH is not a perfect confirmatory technique for inorganic chemistry's. Inorganic methods will show the highest anomalies for outcrops at surface whereas the SGH sensitivity is reduced at this point due to further degradation by environmental exposure to sun, rain, UV, etc. This reduction may not be seen on the maps provided due to normalization to the highest response in the map overall. SGH predicts whether the mineralization is present at subcrop or deeper portions relative to the mineralized structure.

The subjective SGH confidence rating for the CONFEDERATION BELT survey assigned to the anomalies in general on these maps where the anomalies coincide on their location is on average 5.0 on a scale of 6.0. The Rating for the CONFEDERATION BELT survey means that, based only on SGH, that there is a high probability that mineralization may be present. Note, as the SGH Rating is one of confidence, in our judgment an assignment of a Rating of 0.0 cannot be given out. From client feedback in recent years, a few grass roots exploration surveys that have been interpreted with an SGH Confidence Rating of 4.0 (±0.5) have been drill tested and have had successful mineralization intersections. However, the frequency of success is much more prevalent for those targets that have associated SGH Rating Scores of ≥5.0.

The SGH Ratings shown on page 23 in this and all SGH reports are based on a scale of 6.0, in 0.5 increments, with a value of 6.0 being the best. The SGH Ratings discussed in relation to mineralization represents the similarity of these SGH results with other SGH case studies and orientation studies over known mineralization. Theses SGH signatures or templates have been constantly refined and enhanced since inception and has been proven to be effective and reliable. The SGH templates are based on the interpretation from over 1,100 interpretations of surveys in many different geographical regions and from a wide variety of lithologies. The degree of confidence in the SGH Rating only starts to be "good" at a level of 4.0. A Rating of 4.0 or more is an indication that this SGH Nano-Geochemistry predicts that the zone(s) described may warrant more work or more consideration.

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Any identification of a drill target is not an explicit recommendation by Activation Laboratories Ltd. to drill test the associated location or SGH anomaly. A drill target is implied to ensure that the reader is aware of the location having the highest confidence of being the location of the vertical projection of mineralization, based only on SGH data. This is also not a recommendation for vertical drilling. Vertical drilling may not be the best approach to test the SGH anomaly in this area although SGH anomalies are very much a vertical projection of the target at depth regardless of the makeup of the overburden. Activation Laboratories Ltd. has no experience in actual exploration drilling techniques. Other geological, geochemical and/or geophysical information should also be considered.

It must be remembered that other SGH Class maps not shown in this report have also been reviewed to support the interpretation shown. To deduce the most scientifically sound interpretation of the SGH surveys, the client should use a combination of the SGH results shown in this report with additional geochemical, geophysical, and geological information to possibly obtain a more confident and precise target location. This is not a statement to convey some lower level of confidence in SGH results. This statement is made to recognize the proper use and interpretation of any scientific data. Whenever possible, multiple methods should always be employed so that any decisions do not rely on any one technique.

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A22-09236 – TRILLIUM GOLD MINES
CONFEDERATION BELT SOIL SURVEY - SGH SURVEY RECOMMENDATIONS

In general, the number of samples was more than adequate to show what the author believes to be valuable information at the CONFEDERATION BELT survey. Our recommendation states to use a minimum of 50 sample locations to be taken with at least 2 or 3 samples taken within 1 metre of a location as field duplicates. Survey designs that use a regular grid are very powerful tools although a 4:1 ratio as spacing between transects: spacing of samples along transects has also had excellent results with SGH. There is no recommendation for immediate infill sampling on this survey. Additional in-fill samples should be able to be easily added to the current data set without data leveling 90+% of the time. As the interpretation is difficult for surveys having less than 50 sample locations and the corresponding confidence is significantly lower, surveys with less than 50 sample locations may not be accepted and may be returned to the client at their expensive. We believe a survey with less than 50 sample locations is not beneficial or cost effective to the client.

GENERAL RECOMMENDATIONS FOR ADDITIONAL OR IN-FILL SAMPLING FOR SGH ANALYSIS

In general, if the client decides that in-fill sampling may be warranted, to obtain the best results from additional sampling for SGH it is usually recommended that sample locations from the original survey within, or bordering, the area of interest be re-sampled rather than just combining new sample results with the sample data from the initial survey. Although several SGH surveys have previously been easily and directly, combined without data leveling, it cannot be guaranteed that data leveling will not be required. It has been found that data leveling is more apt to be required should the new samples be collected under significantly different environmental conditions than during the initial sample survey, i.e. summer collection versus winter collection

The process of data leveling adds a minimum of 3 to 5 days of work to conduct the additional data evaluation, develop additional plots of the results, conduct new interpretations, and additional report descriptions. Results from data leveling is also always considered "an approximation", thus the confidence in a combined interpretation will be lower than the interpretation from samples collected during one excursion to the field and submitted as one survey. An additional cost will be invoiced should data leveling operations be required if the client requests that two SGH data sets be interpreted and reported together. Thus re-sampling a few of the original sample locations will provide a faster turnaround time for results and provide more accurate and confident surveys for evaluation and aid in deciding specific drill targets.

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Date Received at Actlabs (Ancaster): June 29, 2022

Date Analysis Complete: July 26, 2022

Interpretation Report: August 22, 2022

TRILLIUM GOLD MINES INC.

1055 West Hastings Street

Suite 2250

Vancouver, BC

V6E 2E9

Attention: William Paterson

RE: Your Reference: CONFEDERATION BELT Survey

Activation Laboratories Workorder: A22-09236

CERTIFICATE OF ANALYSIS

This Certificate applies to the associated Excel Spreadsheet of Hydrocarbon results combined with the discussion and SGH Pathfinder Class maps of the data shown in this report.

281 Samples were analyzed for this submission.

Sample preparation–Actlabs Ancaster – SGH-1: Drying at 40°C and Sieving with -80 mesh collected

Interpretation relative to Gold targets was requested.

The following analytical package was requested and analyzed at Actlabs Ancaster Canada:

Analysis Code SGH – Soil Gas Hydrocarbon Geochemistry using High Resolution Gas Chromatography/Mass Spectrometry (HRGC/MS)

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REPORT/WORKORDER: A22-09236

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Notes: The SGH – Soil Gas Hydrocarbon Geochemistry is a semi-quantitative analytical procedure to detect and measure 162 hydrocarbon compounds as the organic signature in the sample material collected from a survey area. It is not an assay of Mineralization but is a predictive geochemical tool used for exploration. This certificate pertains only to the SGH data presented in the associated Microsoft Excel spreadsheet of results.

Mr. Dale Sutherland, is the creator of the SGH and OSG organic geochemical methods. He is a Chartered Chemist (C.Chem.) and Forensic Scientist specializing in organic chemistry. He is a member of the Association of the Chemical Profession of Ontario, the Association of Applied Geochemists, the International Association of GeoChemistry, the Ontario Prospectors Association, the Association for Mineral Exploration British Columbia, the Geochemical Society Association, the Ontario Petroleum institute, the Chemical Institute of Canada, and the Canadian Society for Chemistry, as well as having memberships in several national and international Forensic associations. He is not a professional geologist.

CERTIFIED BY:

Jeff Brown
Organics Supervisor
Activation Laboratories Ltd.

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APPENDIX "A"

List of terms

1. **SGH** – "SOIL GAS HYDROCARBON" GEOCHEMISTRY – a Predictive Geochemistry, used for delineate buried inorganic mineral deposits and organic petroleum plays. This is the original name used to describe this geochemistry since inception in 1996. Code SGH is still used when submitting samples.
2. **3D-SGH**- "3D- SPATIAL TEMPORAL GEOCHEMICAL HYDROCARBONS - the method of interpreting SGH and OSG results based on the Redox/Electrochemical Cell model developed by Activation Laboratories Ltd. in 2011.
3. **Redox cell**- an area of oxidation-reduction reactions or exchange of electrons that is produced over geological bodies, mineralization and petroleum based plays.
4. **Electrochemical cell**- the effect of adjacent chemically reduced areas and chemically oxidized areas as a Redox cell produces a electrical gradient that obeys the physics of a typical Electrochemical cell.
5. **Anthropogenic contamination-** the introduction of impurities/compounds of the same type as those that are being analyzed by human actions that could lead to erroneous results.
6. **Background areas**- the area around a mineral deposit that is beyond the effect of the Redox cell formed over geological bodies or exploration targets. Sampling is required into background areas to produce data that has sufficient contrast to illustrate and differentiate anomalies associated with exploration targets.
7. **Background subtracted**- A sample taken some distances away as to not contain any elements of the target being analyzed.
8. **Biofilm**- a layer of microorganisms and microbe and their related secretions and decomposition products, in this case found to inhabit mineral deposits .
9. **Biomarker**- a compound used as an indicator of a biological state. In this case a biological substance used to indicate the presence of a mineral deposit.
10. **Blind mineralization** – buried mineralization that shows no physical indication of its existence at the surface
11. **Compound** – used synonymously with the term hydrocarbon in this report
12. **Compound chemical class** – a group of hydrocarbons that are similar in size, structure, and molecular weight such that their chemical characteristics, such as water solubility, partition coefficients, vapour pressures, etc. are similar
13. **Cultural activities** – human initiated processes that may affect the physical and chemical characteristics at the earth's surface
14. **Delineating targets**- indicate the position or outlines of an exploration target as a vertical projection of the target at depth.
15. **Geochemical anomalies** – inorganic element or organic hydrocarbon measurements that are significantly different than the average low level measurements or background in a survey i.e. the needle in a haystack is an anomaly
16. **Dispersion patterns** – the movement/ spreading of something. In this context the spatial arrangements of hydrocarbons caused by their movements to the surface from some depth.

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17. **Exploration tool** – a geological, geophysical or geochemical method that attempts to illustrate data in exploration activities that may indicate the presence of mineralization or petroleum plays.
18. **Fit for purpose**- this method is ideal for its intended use.
19. **Forensic signature**- a grouping or pattern found to identify a substance having multiple characteristics with a high degree of specificity.
20. **High specificity**- as in being very specific to the mineralization.
21. **Anomalies**- this is the spatial representation of data that illustrates a high or low response as well as the combined spatial shape of anomalous data from several neighbouring samples in a survey that can form anomalies described as Rabbit-Ear, Halo, Segmented-halo, nested-halo, etc.
22. **Inorganic geochemistry** – the measurement of inorganic elements in a survey of near surface samples as a tool for exploration
23. **Data leveling** – a technique that attempts to normalize the data sets obtained between two or more sampling programs. The results of data leveling is always considered as an approximation.
24. **Lithologies-** the characteristics and classifications of rock.
25. **Locations-** the physical/ geographical position or coordinates of samples in a survey.
26. **Noise-** interference in a measurement which is independent of the data signal.
27. **Nugget effect-** Anomalously high precious metal assays resulting from the analysis of samples that may not adequately represent the composition of the bulk material tested due to non-uniform distribution of high-grade nuggets in the material to be sampled. (Webster's online dictionary)
28. **Organic geochemistry-** the Soil Gas Hydrocarbon geochemistry (SGH), or now more accurately named as Spatiotemporal Geochemical Hydrocarbons, is the analysis to detect specific organic, or carbon based, hydrocarbon compounds in a sample. The Organo-Sulphur Geochemistry (OSG) is the analysis to detect specific organic compounds that have sulphur joined to carbon in its molecular structure.
29. **Percent Coefficient of Variation (%CV)** – a measure of data variability
30. **Project maintenance** – an activity where the associated cost is applied to the exploration, advancement, and/or operation of activities associated with a particular claim
31. **Rating-** a value given to the overall confidence in the SGH results
32. **Real (in relation to data)-** any rational or irrational number
33. **Reporting Limit –** minimum concentration of an analyte that can be accurately measured for a given analytical method.
34. **Sample matrix-** the components of a sample other than the analyte.
35. **Sample type** – soil, till, humus, lake bottom sediment, sand, snow, etc.
36. **Semi-quantitative-** yielding an approximation of the quantity or amount of a substance
37. **SGH anomalies** ("Apical", "Nested-Halo", and "Rabbit-Ear" or "Halo")
38. **SGH Pathfinder** (class map/compounds)
39. **SGH template** – a set of hydrocarbon classes that together form a geochemical signature that has been associated with the presence of a particular type of mineralization the majority of the time
40. **Surficial bound hydrocarbons** –
41. **Surficial samples-** a sample from near the earth's surface.
42. **Survey-** the area, position, or boundaries of a region to be analyzed, as set out by the client.

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43. **Project-** a planned undertaking
44. **Transect-** A straight line or narrow section through an object or across a section of land.
45. **Target-** Target refers to the ore body of interest

    Target signature: the unique characteristics that identify the target.

    Target type:

    i.e. Gold, Nickel, Copper, Uranium, SEDEX, VMS, Lithium Pegmatites, IOCG, Silver, Ni-Cu-PGE, Tungsten, Polymetallic, Kimberlite as well as Coal, Oil and Gas.
46. **Threshold-** level or point at which data is accepted as significant or true.
47. **Total measurement error-** An estimate of the error in a measurement. Based on either limitation of the measuring instruments or from statistical fluctuations in the quantity being measured.
48. **Visible (in terms of signature**)- the portion shown in a chart or map

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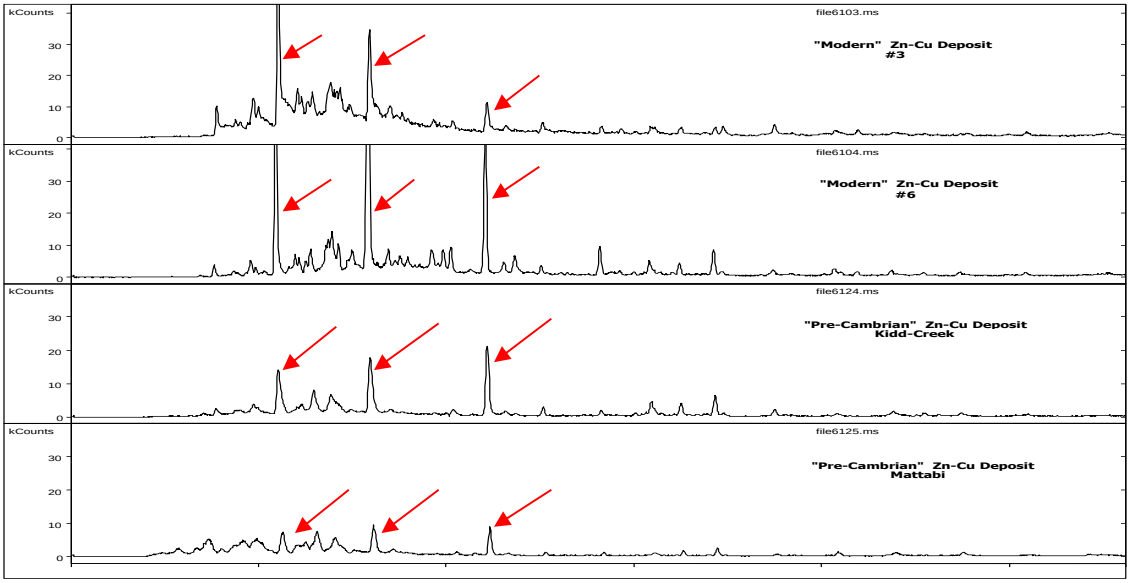
APPENDIX "B"
EXAMPLE OF AN SGH FORENSIC GEOCHEMICAL SIGNATURE
EXAMPLE SHOWN FOR A VMS TARGET

The following analyses examine the Volcanic Massive Sulphide (VMS) deposit in various known locations. These analyses show how the gas chromatography indicates the reality of deposits. For all the profiles in this section, the red arrows indicate the signature of the VMS, which have all been found by organic geochemistry. These forensic geochemical signatures are shown to be consistent for similar target areas; therefore, the analyses are reliable indicators for the presence of VMS.

One of the first experiments in 1996 in the development of the SGH analysis was to observe if an SGH response could be obtained directly from an ore sample. From office shelf specimens, small rock chips were obtained which were then crushed and milled. The fine pulp obtained was then subjected to the SGH analysis. These shelf specimen samples were from well known VMS deposits of the Mattabi deposit from the Archean Sturgeon Lake Camp in Northwestern Ontario and from the Kidd Creek Archean volcanic-hosted copper-zinc deposit. Even these specimen samples contain a geochemical record of the hydrocarbons produced by the bacteria that had been feeding on these deposits at depth. As a comparison, SGH analysis were similarly conducted on modern-day VMS ore samples taken from a "black smoker" hydrothermal volcanic vent from the deep sea bed of the Juan de Fuca Ridge where high concentrations of microbial growth was also known to exist. The raw data profiles as GC/MS Total Ion Chromatograms are shown below to illustrate the *"visible"* portion of the VMS signature obtained from the SGH analysis.



The above profiles are:

- First profile: Samples from modern day "black smokers"
- Second profile: Samples from modern day "black smokers"
- Third profile: Samples from Pre-Cambrian Zn-Cu Kidd Creek deposit
- Fourth profile: Samples from Mattabi deposit

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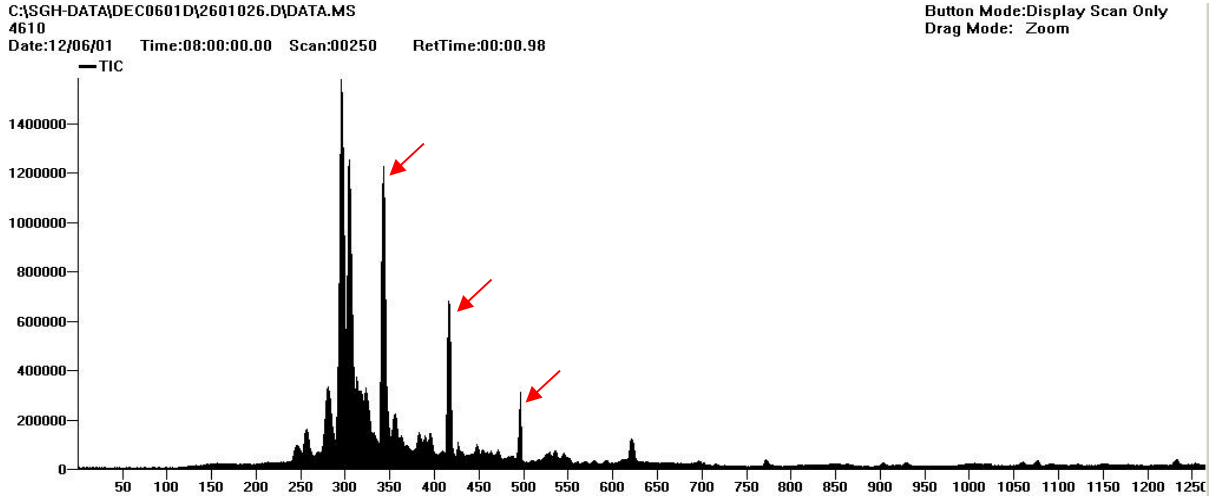
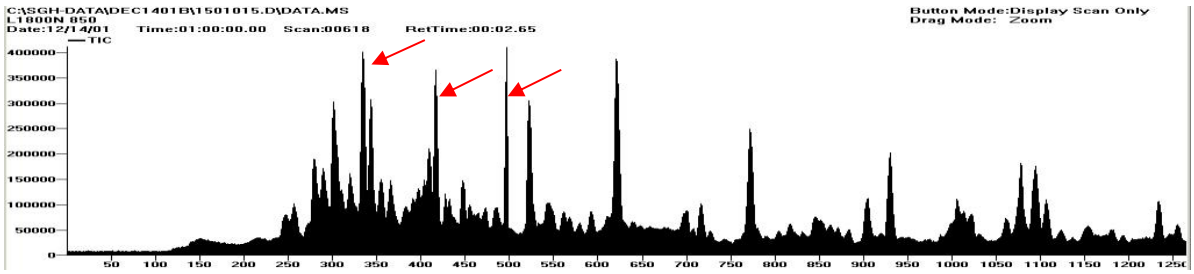
The red arrows point to three compounds that are a *portion* of the SGH signature for VMS type deposits. This visible portion of the VMS signature of hydrocarbons can easily be seen in the analysis of each of these four samples.

The next question in our early objectives was to see if this SGH signature could also be observed in *surficial soil samples* that had been taken over VMS deposits. Through our research projects, soil samples were obtained from over the Ruttan Cu-Zn VMS deposit near Leaf Rapids, Manitoba and located in the Paleoproterozoic Rusty Lake greenstone belt. The profile obtained, as observed in the raw GC/MS chromatogram, is shown in this next image below:



The three compounds indicated by the red arrows represent the same *visible portion* of the VMS signature observed from the modern day black smoker samples and the ore samples taken from the Mattabi and Kidd Creek, even though this soil was taken from over a different VMS deposit in a geographically different area. Is this coincidence?

Another soil sample was obtained from Noranda's Gilmour South base-metal occurrence in the Bathurst Mining camp in northern New Brunswick. As shown below, this sample contained a very complex SGH signature, however the visible portion of the VMS signature as indicated by the red arrows is still observed as in the black smoker, Mattabi and Kidd Creek ore samples.



In research conducted by the Ontario Geological Survey, this same portion of the SGH signature was also observed over the VMS deposit at Cross Lake in Ontario. **Note that the visible signature shown as the three compounds indicated by the red arrows is only a small portion of the**

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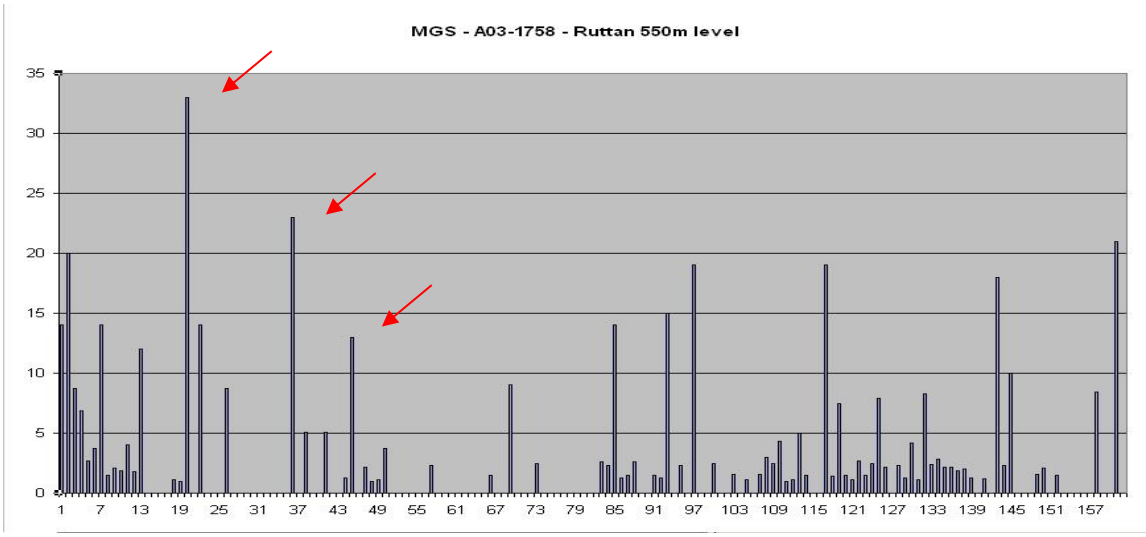
complete SGH VMS signature. The full VMS signature is made up of at least three groups, as three organic chemical classes, that together contain at least 35 of the individual SGH hydrocarbons.

The chromatograms shown on the preceding page from the GC/MS analysis are not used directly in the interpretation of SGH data. As we are only interested in a specific list of 162 hydrocarbons, the mass spectrometer and associated software programs specifically identifies the hydrocarbons of interest, runs calculations using relative responses to a short list of hydrocarbons used as standards, and develops an Excel spreadsheet of semi-quantitative concentration data to represent the sample. Thus the SGH results for a sample, like that observed in ore from the Ruttan, are filtered to obtain the concentrations for the specific 162 hydrocarbons. A simple bar graph drawn from the Excel spreadsheet of the hydrocarbons and their concentrations results in a DNA like *forensic SGH signature* as shown below. The portion discussed hear as the "visible" SGH VMS signature in the GC/MS chromatograms, is again shown by the red arrows.



Through the work done in the SGH CAMIRO research projects, it was observed that the hydrocarbon signature produced by the SGH technique appeared to also be able to be used to differentiate barren from ore-bearing conductors. This was explored further through the submission and analysis of specific specimen samples that represented a barren pyritic conductor and a barren graphitic conductor.

The GC/MS chromatograms from these two specimens are compared to that obtained from the Kidd-Creek ore as shown below. This diagram conclusively shows that the SGH signatures obtained from the two types of barren conductors are completely different than that obtained by SGH over VMS type ore. SGH is thus able to differentiate between ore-bearing conductors and barren conductors as **the Forensic SGH Geochemical signature is different**.

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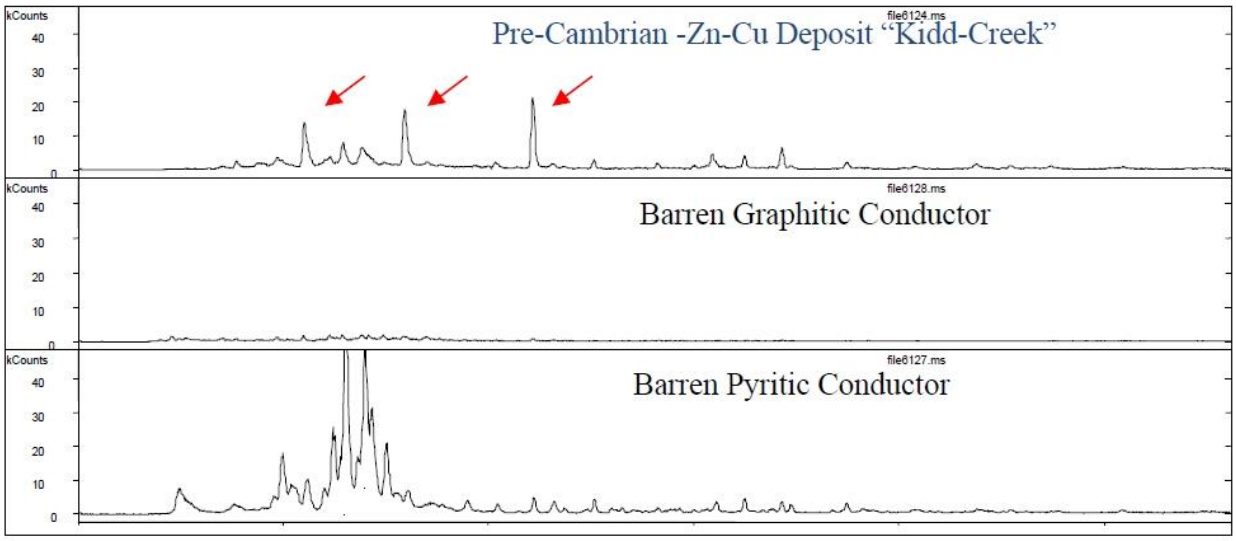

SGH has been described by the Ontario Geological Survey of Canada (OGS) as a "REDOX cell locator". Many SGH surveys for Gold and other mineral targets can result in multiple types of anomalies, depending on the class of SGH compounds, even over the same target and in the same set of samples. Thus "Apical", "Nested-Halo", and "Rabbit-Ear" or "Halo" type SGH anomalies are all typically observed from the effect of REDOX cells that have developed over deposits. REDOX cells are also related to the presence of bacteriological activity.

The VMS template of SGH Pathfinder Classes uses low and medium weight classes of hydrocarbon compounds. Again, at least three Pathfinder Class group maps, associated with the SGH signature for VMS, must be present to begin to be considered for assignment of a good rating. The Pathfinder Class anomalies in these maps must logically concur and support a consistent interpretation in relation to the expected geochromatographic characteristics of the Pathfinder Class, for a specific area.

The interpretation development history for VMS SGH Pathfinder Class map(s) shown in this report is similar to the development history for other target types. The reader should not draw a conclusion that SGH is used only for sulphide based mineralization as some of the most intense SGH anomaly has been associated with Kimberlites where sulphides are essentially not present.

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APPENDIX "C"
SOIL GAS HYDROCARBON SURVEY DESIGN AND SAMPLING

Sample Type and Survey Design: It is highly recommended that a ***minimum*** of 50 sample "locations" is preferred to obtain enough samples into background areas on both sides of *small* suspected targets (wet gas plays, Kimberlite pipes, Uranium Breccia pipes, veins, etc.). SGH is not interpreted in the same way as inorganic based geochemical method. SGH must have enough samples over both the target and background areas in order to fully study the dispersion patterns or geochromatography of the SGH classes of compounds. Based on our minimum recommendation of at least 50 sample locations we further suggest that all samples be *evenly spaced* with about one-third of the samples over the target and one-third on each side of the target in order for SGH to be used for exploration. Targets other than gas plays, pipes, dykes or veins usually require additional samples to represent both the target and background areas.

SGH has been shown to be very robust to the use of different sample types even "within" the same survey or transect. Research has illustrated that it is far more important to the ultimate interpretation of the results to take a complete sample transect or grid than to skip samples due to different sample media. The most ideal natural sample is still believed to be soil from the "Upper B-Horizon", however excellent results can also be obtained from other soil horizons, humus, peat, lake-bottom sediments, and even snow. The sampling design is suggested to use evenly spaced samples from 15 metres to 200 metres and line spacing from 50 metres to 500 metres depending on the size and type of target. A 4:1 ratio is suggested, however, larger orientation surveys have also been successful. Ideally even large grids should have one-third of the samples over the target and two-thirds of the samples into anticipated background areas. This will allow the proper assessment of the SGH geochromatographic vectoring and background site signature levels with minimal bias. Individual samples taken at significant distances from the main survey area to represent background are not of value in the SGH interpretation as SGH results are not background subtracted. Samples can be drip dried in the field and do not need special preservation for shipping and has been specifically designed to avoid common contaminants from sample handling and shipping. SGH has also been shown to be robust to cultural activities even to the point that successful results and interpretation has been obtained from roadside right-of-ways. In conclusion, the conditions for the sample type and survey design include:

- Fist sized samples are retrieved from a shallow dug hole in the 15-40 cm range of depth.
- Different sample types can be taken even "within" the same survey or transect, data leveling is rarely ever required. SGH is highly effective is areas of very difficult terrain. The Golden Rule is to always take a sample.
- Samples should be evenly spaced in a grid or a series of transects with sample lines spaced at a ratio of up to 4:1 (line spacing: sample spacing).
- A minimum of 50 sample "locations" is recommended with one-third over the target and one-third on each side of the target into background if this can be predicted. This provides the opportunity of optimal data contrast.
- If very wet, samples can be drip dried in the field.
- No special preservation is required for shipping.

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APPENDIX "D"
SAMPLE PREPARATION AND ANALYSIS

Upon receipt at Activation Laboratories the samples are air-dried in isolated and dedicated environmentally controlled rooms set to 40°C. The dried samples are then sieved. In the sieving process, it is important that compressed air is not used to clean the sieves between samples as trace amounts of compressor oils "may" poison the samples and significantly affect some target signatures. Solvents such as Acetone, Methanol, and Hexane cannot be used at any time for cleaning sample containers or sampling apparatus ie. Cleaning sieves between samples. The use of solvents at this time severely reduces the response of the hydrocarbons measured. At Activation Laboratories a vacuum is used to clean the sieve between each sample. The -80 mesh sieve fraction (<177 microns, although different mesh sizes can be used at the preference of the exploration geologist) is collected and packaged in a Kraft paper envelope and transferred from our sample preparation department to our Organics Geochemical department also in our World Headquarters in Ancaster, Ontario, Canada. Each sample is then extracted, separated by gas chromatography and analyzed by mass spectrometry using customized parameters enabling the highly specific detection of the 162 targeted hydrocarbons at a *reporting limit* of one part-per-trillion (ppt). This trace level limit of reporting is critical to the detection of these hydrocarbons that, through research, have been found to be related at least in part to the breakdown and release of hydrocarbons from the death phase of microbes directly interacting with a deposit at depth. The hydrocarbon signatures are directly linked to the deposit type, which is used as a food source. The hydrocarbons that are mobilized and metabolized by the microbes are released in the death phase of each successive generation. Very few of the hydrocarbons measured are actually due to microbe cell structure, or hydrocarbons present or formed in the genesis of the deposit or from anthropogenic contamination. The results of the SGH analysis is reported in raw data form in an Excel spreadsheet as "semi-quantitative" concentrations without any additional statistical modification.

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APPENDIX "E"
SGH DATA QUALITY
Reporting Limit

The SGH Excel spreadsheet of results contains the raw unaltered concentrations of the individual SGH compounds in units of "part-per-trillion" (ppt). The reporting of these ultra low levels is vital to the measurement of the small amounts of hydrocarbons now known to be leached/metabolized and subsequently released by dead bacteria that have been interacting with the ore at depth. To ensure that the data has a high level of confidence, a "reporting limit" is used. The reporting limit of 1 ppt actually represents a level of confidence of approximately 5 standard deviations where SGH data is assured to be "real" and non-zero. Thus in SGH the use of a reporting limit automatically removes site variability, and there is no need to further background subtract any data as the reporting limit has already filtered out any site background effects. Thus we recommend that all data that is equal to or greater than 2 ppt should be used in any data review. It is important to review all SGH data as low values that may be the centre of halo anomalies and higher values as apical anomalies or as halo ridges are all important.

Laboratory Replicate Analysis

A laboratory replicate is a sample taken randomly from the submitted survey being analyzed and are not unrelated samples taken from some large stockpile of bulk material. In the Organics laboratory an equal portion of this sieved sample, or pulp, is taken and analyzed in the same manner using the Gas Chromatography/Mass Spectrometer. The comparison of laboratory replicate and field duplicate results for chemical tests in the parts-per-million or even parts-per-billion range has typically been done using an absolute "relative percent difference (RPD)" statistic which is an easy proxy for error estimation rather than a more complete analysis of precision as specified by Thompson and Howarth. An RPD statistic is not appropriate for SGH results as the reporting limit for SGH is *1 part-per-trillion*. Further, *SGH is a semi-quantitative technique* and was not designed to have the same level of precision as other less sensitive geochemistry's as it is only used as an exploration tool and not for any assay work. SGH is also designed to cover a wide range of organic compounds with an unprecedented 162 compounds being measured for each sample. In order to analyze such a wide molecular weight range of compounds, sacrifices were made to the variability especially in the low molecular weight range of the SGH analysis. The result is that the first fifteen SGH compounds in the Excel spreadsheet is expected to exhibit more imprecision than the other 147 compounds. An SGH laboratory replicate is a large set of data for comparison even for just a few pairs of analyses. Precision calculations using a Thompson and Howarth approach should only be used for estimating error in individual measurements, and not for describing the average error in a larger data set. In geochemical exploration geochemists seek concentration patterns to interpret and thus rigorous precision in individual samples is not required because the concentrations of many samples are interpreted collectively. For these reasons recent and independent research at Acadia University in Canada promote that a percent Coefficient of Variation (%CV) should be used as a universal measurement of relative error in all geochemical applications. As SGH results are a relatively large data set for nearly all submissions, %CV is a better statistic for use with SGH. By using %CV, the concentration of duplicate pairs is irrelevant because the units of concentration cancel out in the formation of the coefficient of variation ratio. For SGH, the %CV is calculated on all values ≥ 2 ppt. These values are averaged and represent a value for each pair of replicate analysis of the sample. All of the %CV values for the replicates are then averaged to

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report one %CV value to represent the overall estimate of the relative error in the laboratory sub-sampling from the prepared samples, and any instrumental variability, in the SGH data set for the survey. Actlabs' has successfully addressed the analytical challenge to minimize analytical variability for such a large list of compounds. Thus as SGH is also interpreted as a signature and is solely used for exploration and not assay measurement, the data from SGH is *"fit for purpose"* as a geochemical exploration tool.

Historical SGH Precision

In the general history of geochemistry, studies indicate that a large component of total measurement error is introduced during the collection of the initial sample and in sub-sampling, and that only a subordinate amount of error in the result is introduced during preparation and analysis. A historical record encompassing many projects for SGH, including a wide variety of sample types, geology and geography, shows that the consistency and precision for the analysis of SGH *is excellent* with an overall precision of 6.8% Coefficient of Variation (%CV). When last calculated, this number had a range of a maximum of 12.4% CV, a minimum of 3.0% CV, with a standard deviation of 1.6%, in a population made up of over 400 targets (over 45,000 samples) interpreted since June of 2004. Again the precision of 6.8% CV included all of the sample types as soil from different horizons, peat, till, humus, lake-bottom sediments, ocean-bottom sediments, and even snow. When field duplicates have been revealed to us, we have found that the precision of the field duplicates are in the range of about 9 to 12 %CV. As SGH is interpreted using a combination of compounds as a chemical "class" or signature, the affect of a few concentrations that may be imprecise in a direct comparison of duplicates is not significant. Further, projects that have been re-sampled at different times or seasons are expected to have different SGH concentrations. The SGH anomalies may not be in exactly the same position or of the same intensity due to variable conditions that may have affected the dispersion of different pathfinder classes. However, the SGH "signature" as to the presence of the specific mix of SGH pathfinder classes will definitely still exist, and will retain the ability to identify the deposit type and vector to the same target location.

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APPENDIX "F"
SGH DATA INTERPRETATION

SGH Interpretation Report

All SGH submissions must be accompanied by relative or UTM coordinates so that we may ensure that the sample survey design is appropriate for use with SGH, and to provide an SGH interpretation with the results. In our interpretation procedure, we separate the results into 19 SGH sub-classes. These classes include specific alkanes, alkenes, thiophenes, aromatic, and polyaromatic compounds. Note that none of the SGH hydrocarbons are "gaseous" at room temperature and pressure. The classes are then evaluated in terms of their geochromatography and for coincident compound class anomalies that are unique to different types of mineralization. Actlabs uses a six point scale in assigning a subjective rating of similarity of the SGH signatures found in the submitted survey to signatures previously reviewed and researched from known case studies over the same commodity type. Also factored into this rating is the appropriateness of the survey and amount of data/sample locations that is available for interpretation. This rating scale is described in detail in the following section.

SGH PATHFINDER CLASS MAGNITUDE

The magnitude of any individual concentration or that of a hydrocarbon class *does not imply* that the data is of more importance or that mineralization is of higher quantity or grade. SGH interpretation must use the review of the combination of specific hydrocarbon classes to make any interpretation.

GEOCHEMICAL ANOMALY THRESHOLD VALUE

In the interpretation of "inorganic" geochemical data one of the determinations to be made is to calculate a "Threshold" value above which data is considered anomalous. This is done on an element by element basis. In the interpretation of this "organic" geochemical data this determination is done differently. The determination of a threshold value is not calculated for each hydrocarbon compound. The determination of a threshold value is also a concentration below which geochemical data is considered as "noise" for the purposes of geochemical interpretation. As discussed, SGH uses a "Reporting Limit" instead of some type of Detection Limit. The amount of noise that is already eliminated in the data, as below the Reporting Limit of 1 part-per-trillion (shown in the data spreadsheet as "-1" as "not-detected at a Reporting Limit of 1 ppt") is equivalent to approximately 5 standard deviations of variability. *To thus calculate an additional Threshold Value is a loss of real and valuable data.* Further, in the interpretation of SGH data, individual compounds are not considered (unless explicitly mentioned in the report). The interpretation of SGH data is exclusively conducted by "compound chemical class" which is the sum of four to fourteen individual hydrocarbons in the same organic chemical class as these compounds naturally have the same chemical properties that ultimately define their spatial dispersion characteristics in their rise from a mineral target through the overburden. This combined class is more reliable than the measurement of any one compound. SGH also eliminates the need for a Threshold value determination above the Reporting Limit due to the "high specificity" of the specific hydrocarbons and the classes they form. Each of the hydrocarbons has been hand selected due to their lower probability of being found in general surface soils. Further, only those classes where the majority of the compounds are detected above the Reporting Limit are considered in the interpretation. This defines the SGH geochemistry as having less geochemical noise due to the use of a reporting limit and as having higher confidence in the use of groups (classes) of data instead of

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individual compounds. However the most important aspect of interpretation is the use of a forensic signature. At least three specific "Pathfinder" classes, based on the combinations or template of classes we have developed, must be present to define the hydrocarbon signature to confidently predict the presence of a specific type of mineral target. *Do not calculate another Threshold value*. **Fact:** It has been proven many times that important SGH anomalies that depict mineralization at depth can exist even with data at 3 ppt.

Mobilized Inorganic Geochemical Anomalies

It is important to note that SGH is essentially "blind" to any inorganic content in samples as only *organic* compounds as hydrocarbons are measured. Thus inorganic geochemical surface anomalies that have migrated away from the mineral source, and thus may be interpreted and found to be a false target location, is not detected and does not affect SGH results. This fact is of great advantage when comparing the SGH results to inorganic geochemical results. If there is agreement in the location of the anomalies between the organic and inorganic technique, such as Actlabs' Enzyme Leach, a significant increase in confidence in the target location can be realized. If there is no agreement or a shift in the location of the anomalies between the techniques, the inorganic anomaly may have been mobilized in the surficial environment.

The Nugget Effect

As SGH is "blind" to the inorganic content in the survey samples, any concern of a "nugget effect" will not be encountered with SGH data. A "nugget effect" may be of a concern for other inorganic geochemical methods from surveys over copper, gold, lead, nickel, etc. type targets.

SGH DATA LEVELING

The combination of SGH data from different field sampling events has rarely required leveling in order to combine survey grids. The only circumstances that have occasionally required leveling has been the combination of samples that are very fine in texture, thus having a combined large surface area to samples of peat that may be in nearby areas. Even after maceration of the peat and in using the maximum size of sample amenable to this test method, peat samples have a significantly lower surface area. Peat samples have only required leveling in one survey in the last 500 SGH interpretations.

In only the last year it has been observed that SGH data *may* require leveling when different field sampling events have significantly different soil temperature. It has been documented that only when "soil" samples are taken from "frozen" ground that data leveling may be required as frozen sample act as a frozen cap to the hydrocarbon flux and may collect a higher concentration of hydrocarbon compounds compared to sampling during seasons where the samples are not frozen. Only two surveys have required leveling in the last 500 SGH interpretations.

The author has taken introductory training in the leveling of geochemical data. If leveling is required, both data sets are reviewed in terms of maximum, minimum and average values for each SGH Pathfinder Class intended for use in the interpretation. Data is sectioned into quartiles and each section is assigned specific leveling factors that are then applied to one data set. It should be noted that any type of data leveling is an approximation.

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APPENDIX "G"
SGH RATING SYSTEM DESCRIPTION

To date SGH has been found to be successful in the depiction of buried mineralization for Gold, Nickel, VMS, SEDEX, Uranium, Cu-Ni-PGE, IOCG, Base Metal, Tungsten, Lithium, Polymetallic, and Copper, as well as for Kimberlites, Coal Seam, Wet Gas and Oil Plays. SGH data has developed into a dual exploration tool. From the interpretation, a vertical projection of the predicted location of the target can be made as well as a statement on the rating of the comparability of the identification of the anticipated target type to that from known case studies, as an example: if the client anticipates the target to be a Gold deposit, what is the rating or comparability that the target is similar to the SGH results over a Gold deposit in Nunavut, shear hosted and sediment hosted deposits in Nevada, or Paleochannel Gold mineralization in Western Australia.

- **A rating of "6"** is the highest or best rating, and means that the SGH classes most important to describing a Gold related hydrocarbon signature are all present and consistently vector to the same location with well defined anomalies. To obtain this rating there also needs to be other SGH classes that when mapped lend support to the predicted location.
- **A rating of "5"** means that the SGH classes most important to describing a Gold signature are all present and consistently describe the same location with well defined anomalies. The SGH signatures may not be strong enough to also develop additional supporting classes.
- **A rating of "4"** means that the SGH classes most important to describing a Gold signature are mostly present describing the location with well defined anomalies. Supporting classes may also be present.
- **A rating of "3"** means that the SGH classes most important to describing a Gold signature are mostly present and describe the same location with fairly well defined anomalies. Some supporting classes may or may not be present.
- **A rating of "2"** means that some of the SGH classes most important to describing a Gold signature are present but a predicted location is difficult to determine. Some supporting classes may be present
- **A rating of "1"** is the lowest rating, and means that one of the SGH classes most important to describing a Gold signature is present but a predicted location is difficult to determine. Supporting classes are also not helpful.

The SGH rating is directly and significantly affected by the survey design. Small data sets, especially if significantly <50 sample locations, or transects/surveys that are geographically too short *will automatically receive a lower rating no matter how impressive an SGH anomaly might be*. When there is not enough sample locations to adequately review the SGH class geochromatography, or when the sample spacing is inadequate, or if the spacing is highly variable such that it biases the interpretation of the results, then the confidence in the interpretation of any geochemistry is adversely affected. The SGH rating is not just a rating of the agreement between the SGH pathfinder classes for a particular target type; it is a rating of the overall confidence in the SGH results from this particular survey. The interpretation is only based on the SGH results without any information from other geochemical, geological or geophysical information unless otherwise specified.

HISTORY & UNDERSTANDING

The subjective SGH rating system has been used since 2004 when Activation Laboratories started providing an SGH Interpretation Report with every submission for SGH analysis to aid our clients in understanding this organic geochemistry and ensuring that they obtain the best results for their

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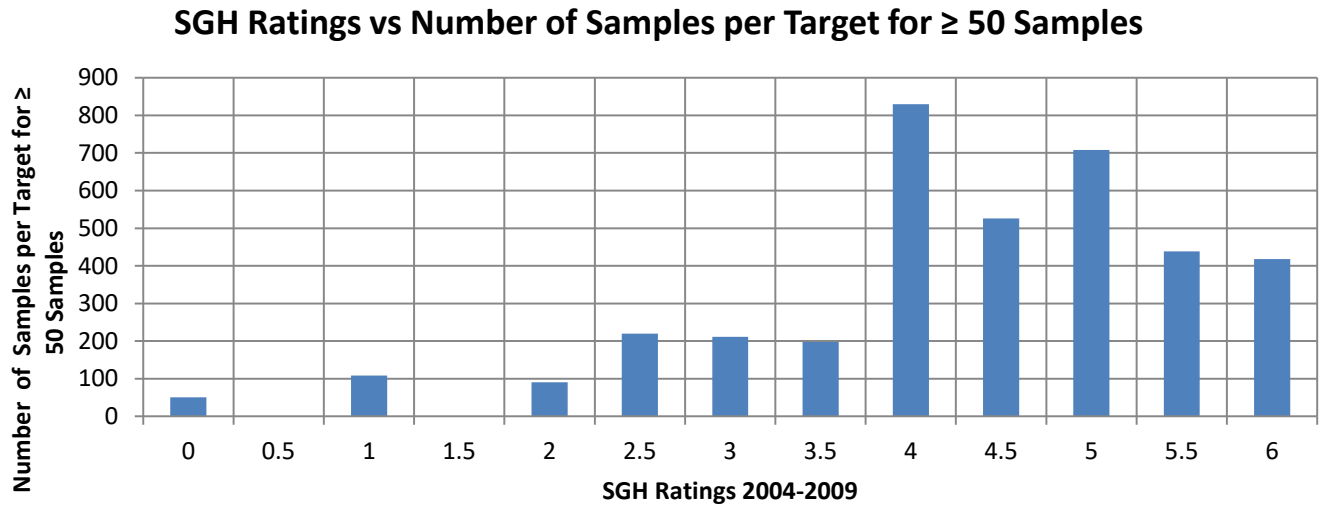
surveys. As explained in the previous section, the SGH rating is not just a rating of how definitive an SGH anomaly is, and it is not based just on the map(s) provided in this report. It is a rating of "confidence in the interpreted anomaly" from the combination of:

- (i) are the expected SGH Pathfinder Classes of compounds present from the template for this target type (one Pathfinder Class map is shown in the report, at least three must be present to adequately describe the correct signature for a particular target),
- (ii) how well do these SGH Pathfinder Classes agree in describing a particular area,
- (iii) how well does this agreement compare to SGH case studies over known targets of that type,
- (iv) how well is the interpreted anomaly defined by the survey (i.e. a single transect does not provide the same confidence as a complete grid of samples), and
- (v) is there at least a minimum of 50 sample locations in the survey so that there may be an adequate amount of data to observe the geochromatography of the different SGH Pathfinder Class of compounds.

The question often arises by clients as to the frequency of a rating, e.g. "how often is a rating of 5.0 given in an interpretation". To better understand this we present this review of the history of the SGH rating program since 2004 and some of the underlying situations that can affect the historical rating charts. Originally it was recommended that a minimum of 35 sample location be used for small target exploration, however it was quite quickly realized that this is often insufficient and at least 50 sample locations were required. In 2007 the rating scale was refined to include increments of 0.5 units rather than just integer values from 0 to 6.

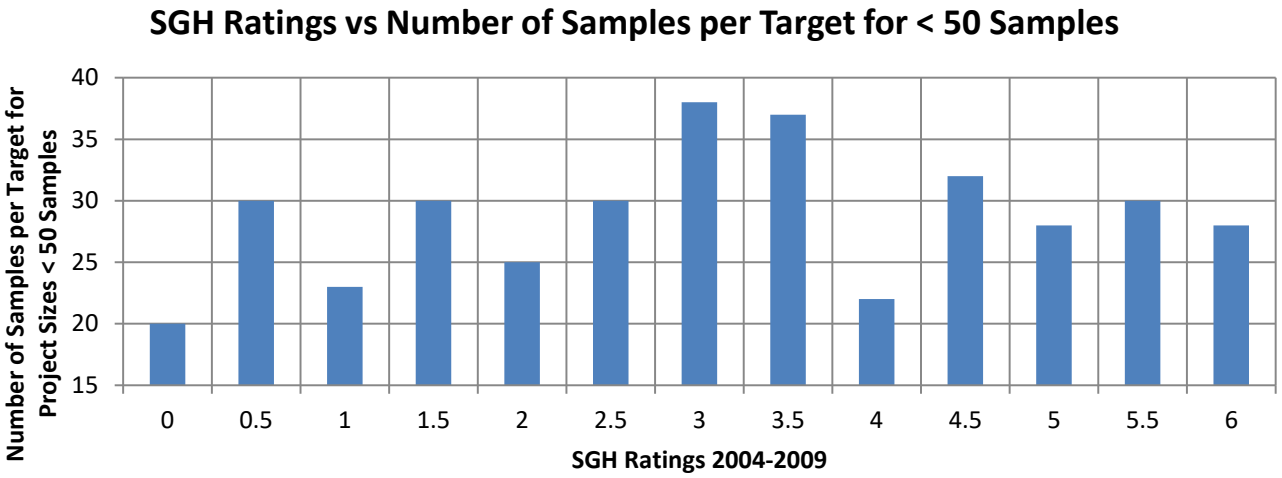
A rating frequency may be biased high as most clients conduct an orientation study over a known target, thus several of these projects result in high ratings. Note that, at this time, the rating is not said to be linked to grade of a deposit or depth to the target. Even in exploration surveys clients tend to submit samples over more promising targets due to knowledge of the geology and prior geochemical or geophysical results. As shown in the following chart, projects with SGH data from 200 or more sample locations have a higher level of confidence in the interpretation as the geochromatography of the SGH Pathfinder Classes of compounds can be more completely observed and reviewed.



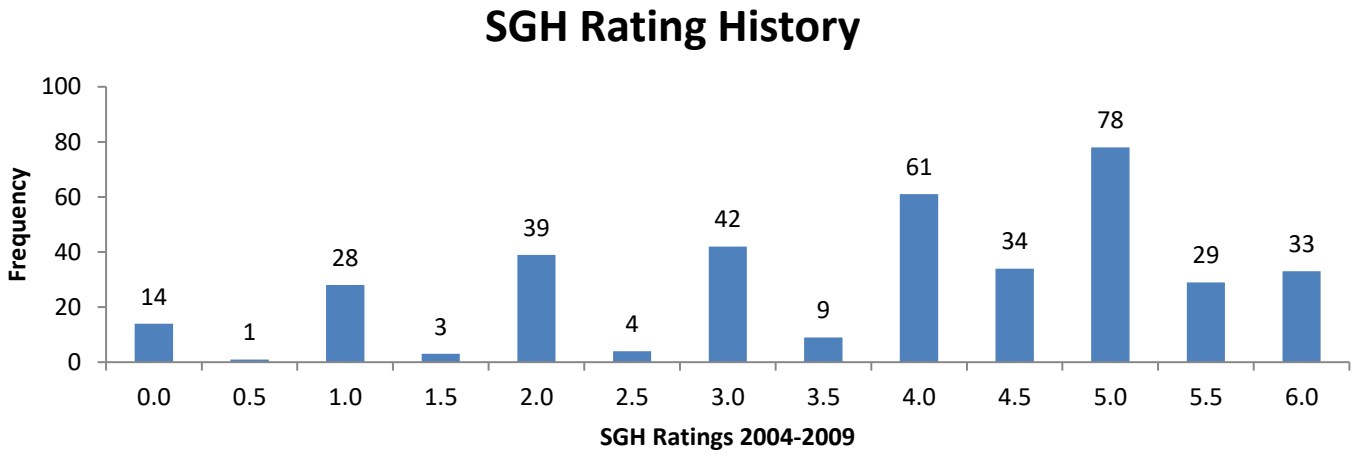
41 Bittern St. ● Ancaster, ON ● L9G 4V5 ● CANADA ● Tel: (905) 648-9611 ● Fax: (905) 648-9613 ● Toll Free: 1-888-ACTLABS

E-mail: SGH@actlabs.com ● Web Site: www.actlabs.com

The rating frequency may be biased low as research projects often include a bare minimum of samples to reduce costs. Research projects may also be over targets known to be difficult to depict with geochemistry. Multiple targets in close vicinity in a survey may result in a low bias as the Pathfinder Class geochromatography is more difficult to deconvelute. Ratings may also be biased low if less than the recommended 50 sample locations are submitted as indicated by the following chart. This chart also illustrates that there is no interpretation bias to a particular rating value.



The overall rating frequency for over 400 targets from January 2004 to December 2009 is shown in the chart below illustrating that surveys over more promising targets are most often submitted for best use of research or exploration dollars. It also indicates that the 0.5 increments were less frequent as they started in 2007.



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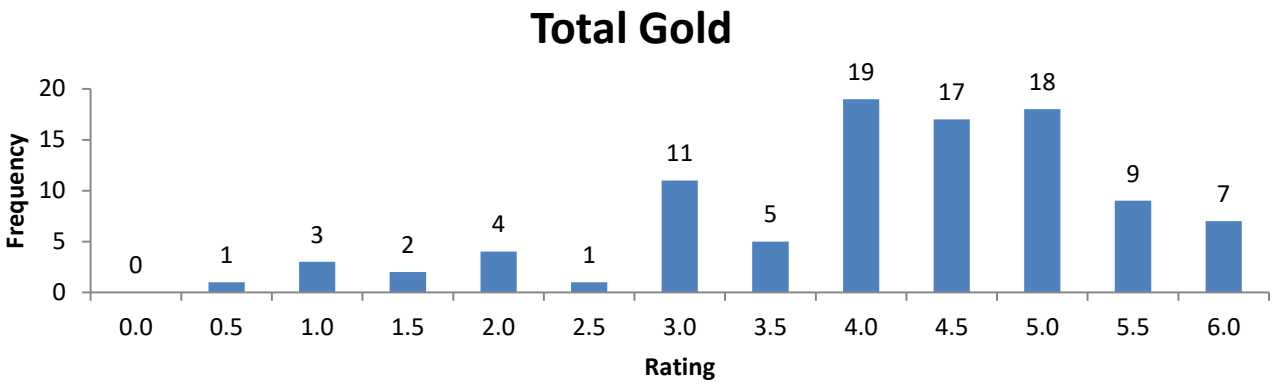
More specific for SGH interpretation for Gold targets, the overall rating frequency for 97 targets from January 2004 to December 2009 is shown in the chart below that also illustrates that surveys over more promising Gold targets are most often submitted for best use of research or exploration dollars.



41 Bittern St. ● Ancaster, ON ● L9G 4V5 ● CANADA ● Tel: (905) 648-9611 ● Fax: (905) 648-9613 ● Toll Free: 1-888-ACTLABS

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APPENDIX "H"

NOTE: THERE IS NEW PRICING FOR THE SGH GEOCHEMISTRY

SAMPLE PREPARATION: CODE SGH-1 - $4.50 per sample

INTERPRETATION FOR ONE COMMODITY TARGETS: Included in the price of analysis of $50.40 per sample

INTERPRETATION FOR MULTI-COMMODITY TARGETS: i.e. VMS, SEDEX, Polymetallic, IOCG, IOCGU, Cu-Au-Porphyry, etc. – add additional price of $500 is applied to cover the additional time in interpretation.

"ADDITIONAL INTERPRETATIONS": ($ 525.00) - if within 60 days after delivery of the report.

The SGH data can be interpreted multiple times in comparison to a variety of SGH templates developed for exploration for different mineral targets or petroleum plays. The samples do not have to be reanalyzed. This can be addressed as a separate section of a report or as a separate report based on the client's wishes. The price is per survey area, e.g. if there are two projects in a submission, perhaps a North area and South area, and both survey areas are to be interpreted for say Gold and Copper, the first interpretation is included in the SGH analysis price, the second interpretation for each area would be priced at $525 per area, thus a total of $1050.

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476000 476500 477000 477500 478000 478500 479000

5643000 5642500 5642000 5641500 5641000

222634 262199 101527 160811 234693 166079 225470 202827

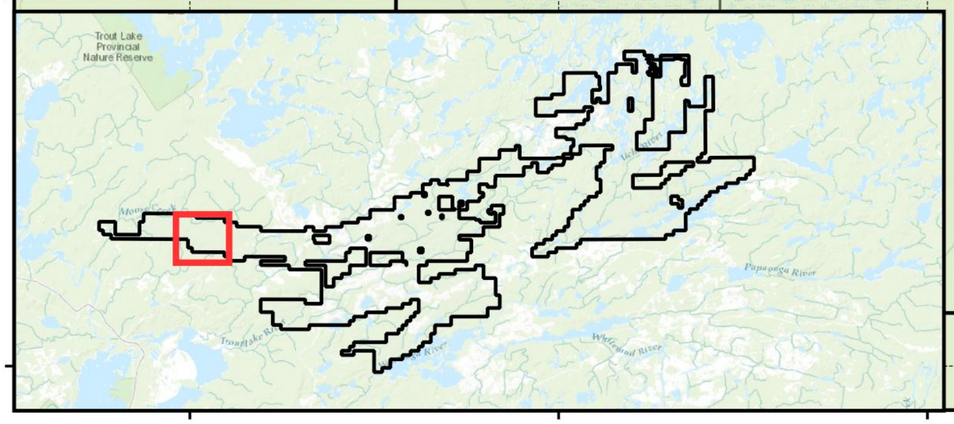
263366 116854 101528 166306 212778 297599 320969 143420

283468 177692 116074 177691 129592 177690 272347 117805

300675 129593 260287 297600 260216 260215 152346 101313

204153 158866

1305501 1305502 1305503 1305504 1305505 1305506 1305507 1305508 1305509 1305510 1305511 1305512 1305524 1305525 1305526 1305527 1305528 1305529 1305530 1305531 1305532 1305533 1305534 1305545 1305546 1305547 1305548 1305558 1305550 1305557 1305551 1305552 1305556 1305555 1305554 1305553 1305562 1305561 1305560 1305563 1305564 1305565 1305566 1305567 1305568 1305569 1305570 1305571 1305572 1305661 1305662 1305663 1305664 1305665 1305666 1305523 1305522 1305521 1305520 1305519 1305518 1305517 1305516 1305515 1305514 1305513 1305544 1305543 1305542 1305587 1305588 1305589 1305590 1305591 1305592 1305652 1305651 1305653 1305655 1305601 1305603 1305593 1305594 1305595 1309005 1305600 1305599 1309004 1305596 1305598 1305657 1309003 1305597 1305656 1309002 1305658 1309001 1305659 1305691 1305692 1305660 1305693 1305694 1305695 1305696 1305697 1305698 1305700 1305678 1305679 1305680 1305681 1305682 1305683 1305684 1305685 1305535 1305536 1305537 1305538 1305539 1305540 1305535 1305536 1305537 1305538 1305539 1305540 1305612 1305611 1305613 1305610 1305614 1305609 1305615 1305616 1305607 1305606 1305605 1305604 1305617 1305618 1305619 1305620 1305630 1305629 1305621 1305625 1305622 1305627 1305623 1305626 1305624 1305625 1305667 1305744 1305668 1305745 1305669 1305746 1305670 1305747 1305671 1309039 1305672 1309038 1305673 1309037 1305674 1309036 1305715 1305675 1309035 1305714 1309034 1305713 1309033 1305712 1309032 1305711 1309031 1305710 1309030 1305709 1309029 1305708 1309028 1305690 1305707 1305689 1305706 1305688 1305705 1305687 1305704 1305686 1305703 1305701 1305702 1305635 1305634 1305636 1305637 1305633 1305632 1305631 1305641 1305642 1305643 1305644 1305645 1305646 1305721 1309027 1309026 1305720 1309025 1305719 1309024 1305718 1309023 1309022 1305717 1305716 1309021 1309020 1309019 1309018 1309017 1309016 1309015 1309014 1309013 1309012 1309011 1309010 1309009 1309008 1305722 1305723 1305724 1305725 1305726 1305727 1305728 1305729 1305730 1305731 1305732 1305733 1305734 1305735 1305736 1305737 1305738 1305739 1305740 1305741 1305742 1305743 1305744 1305745 1305746 1305747 1305577 1305576 1305575 1305574 1305573 1305578 1305579 1305580 1305581 1305582 1305583 1305584 1305585 1305586 1309028 1305650 1305649 1305648 1305647 1305640 1305639 1305638



TRILLIUM GOLD™

Confederation Belt Properties
Confederation North Property
Sample ID and Tenure Map

0 150 300 450 600 750 900 m

Red Lake, ON Datum: NAD83 15U 30 Jan 2022

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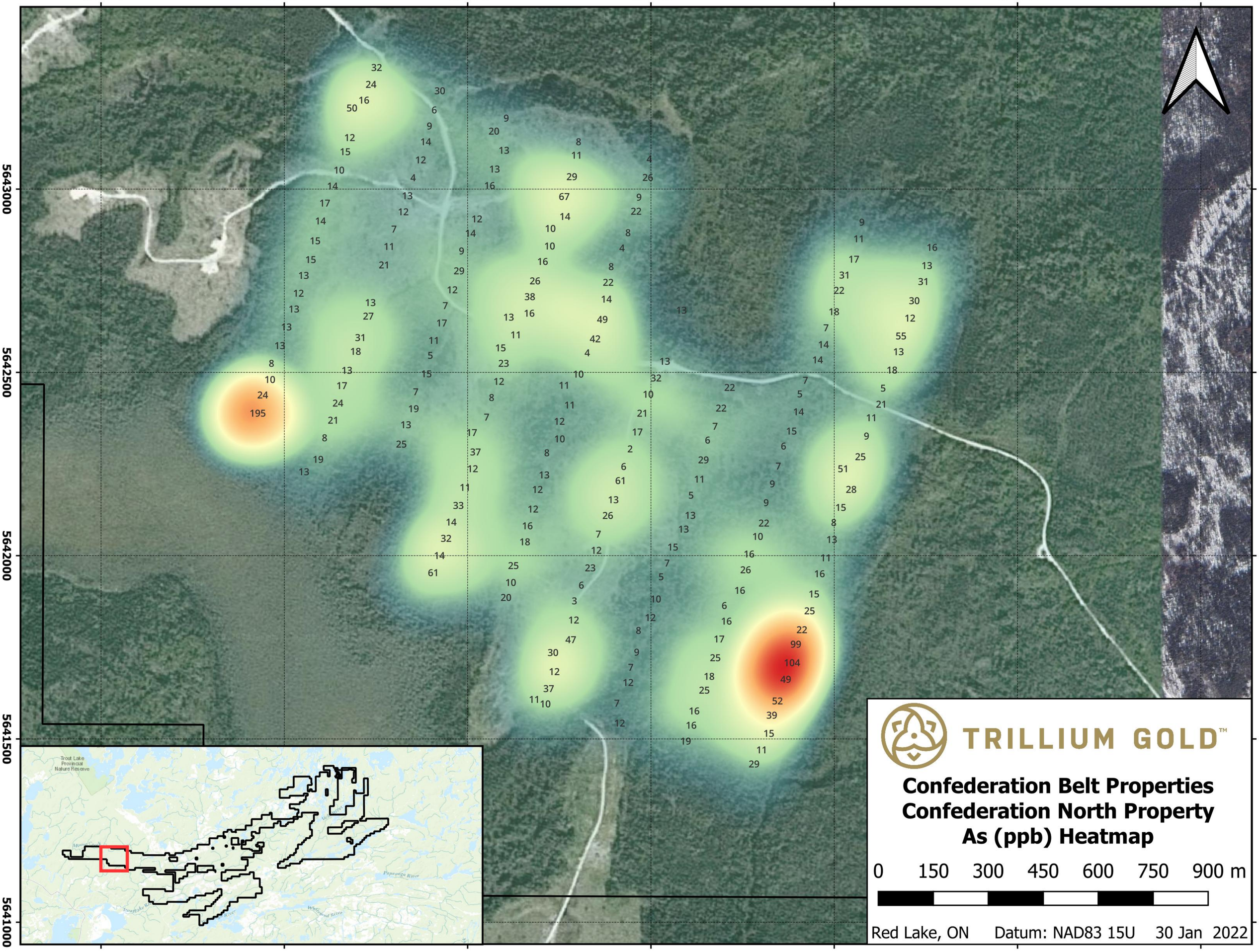
5643000 5642500 5642000 5641500 5641000



TRILLIUM GOLD™

Confederation Belt Properties
Confederation North Property
As (ppb) Heatmap

0 150 300 450 600 750 900 m

Red Lake, ON Datum: NAD83 15U 30 Jan 2022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TRILLIUM GOLD™
Confederation Belt Properties
Confederation North Property
Cr (ppb) Heatmap
0 150 300 450 600 750 900 m
Red Lake, ON
Datum: NAD83 15U
30 Jan 2022

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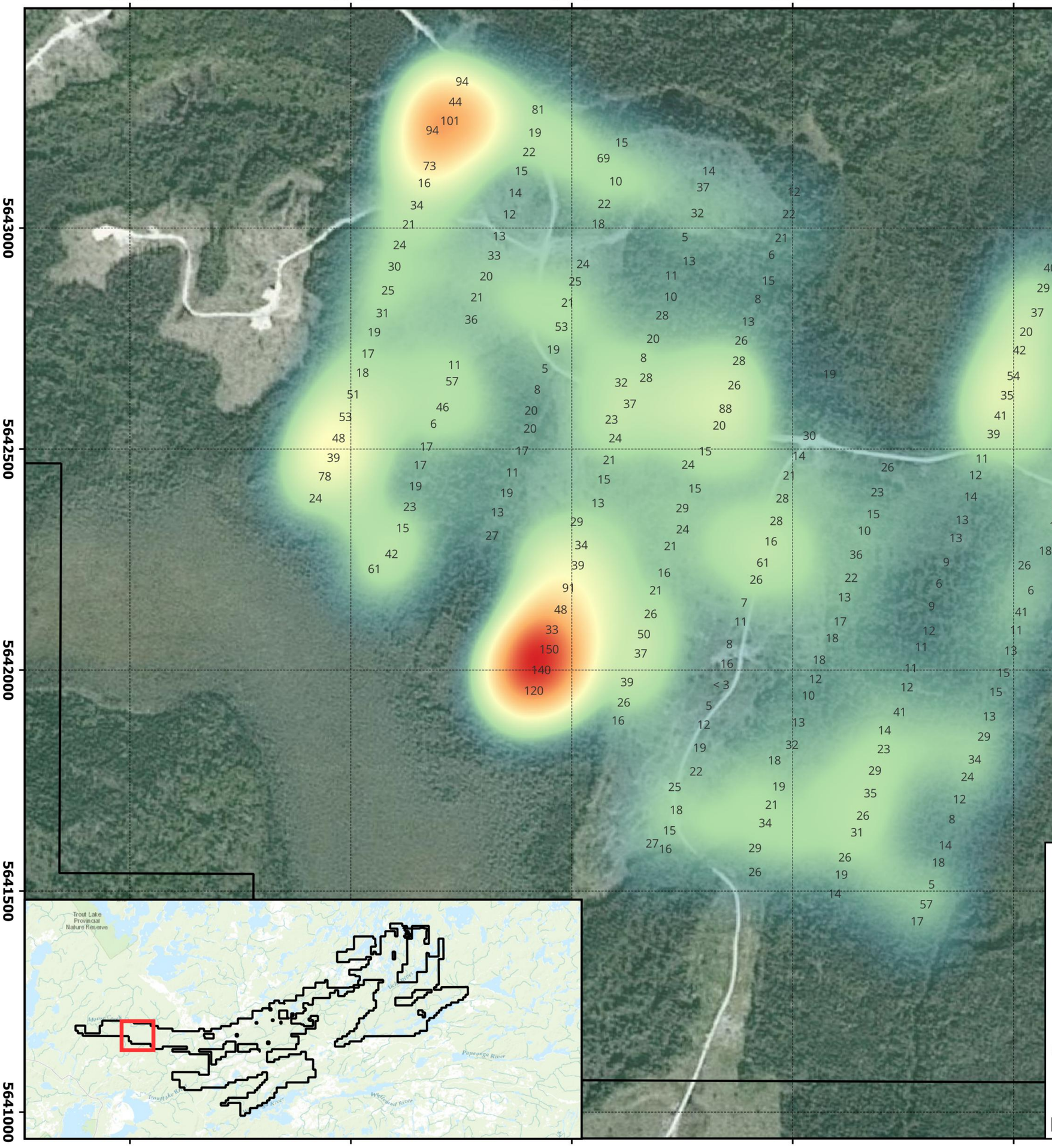

TRILLIUM GOLD™

Confederation Belt Properties
Confederation North Property
Cu (ppb) Heatmap

0 150 300 450 600 750 900 m

Red Lake, ON Datum: NAD83 15U 30 Jan 2022

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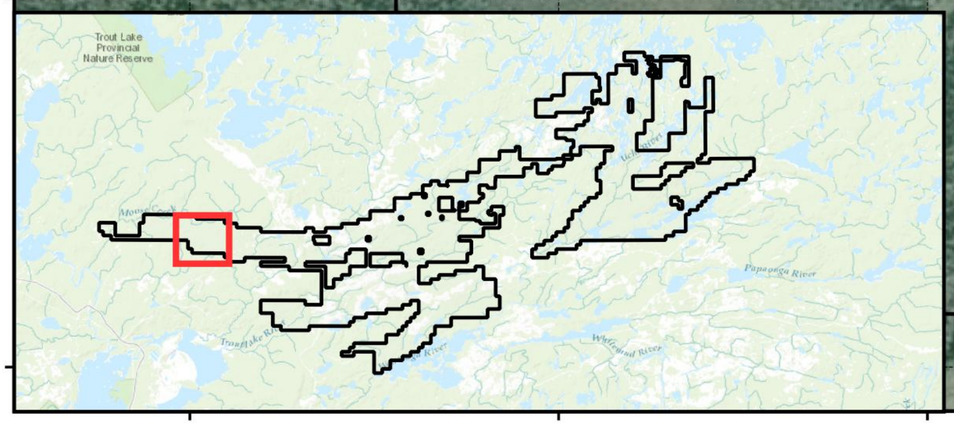


TRILLIUM GOLD™

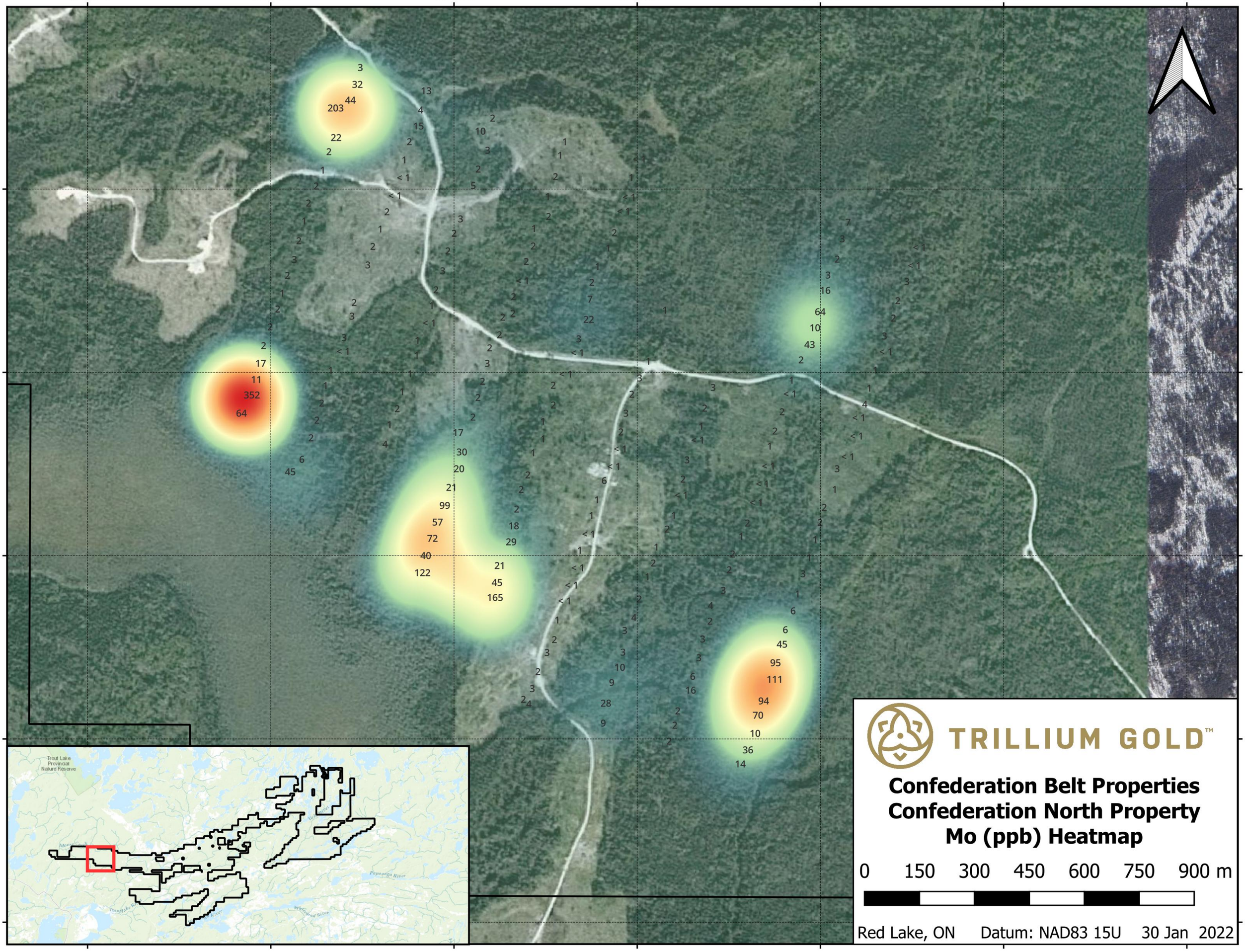
Confederation Belt Properties
Confederation North Property
Fe (ppm) Heatmap

0 150 300 450 600 750 900 m

Red Lake, ON Datum: NAD83 15U 30 Jan 2022

476000 476500 477000 477500 478000 478500 479000

5643000 5642500 5642000 5641500 5641000



TRILLIUM GOLD™

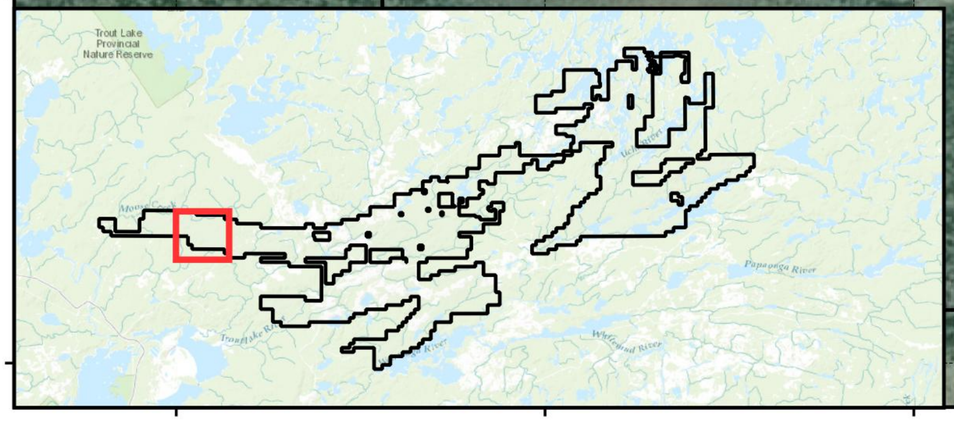
Confederation Belt Properties
Confederation North Property
Mo (ppb) Heatmap

0 150 300 450 600 750 900 m

Red Lake, ON Datum: NAD83 15U 30 Jan 2022

476000 476500 477000 477500 478000 478500 479000

5643000 5642500 5642000 5641500 5641000



TRILLIUM GOLD™

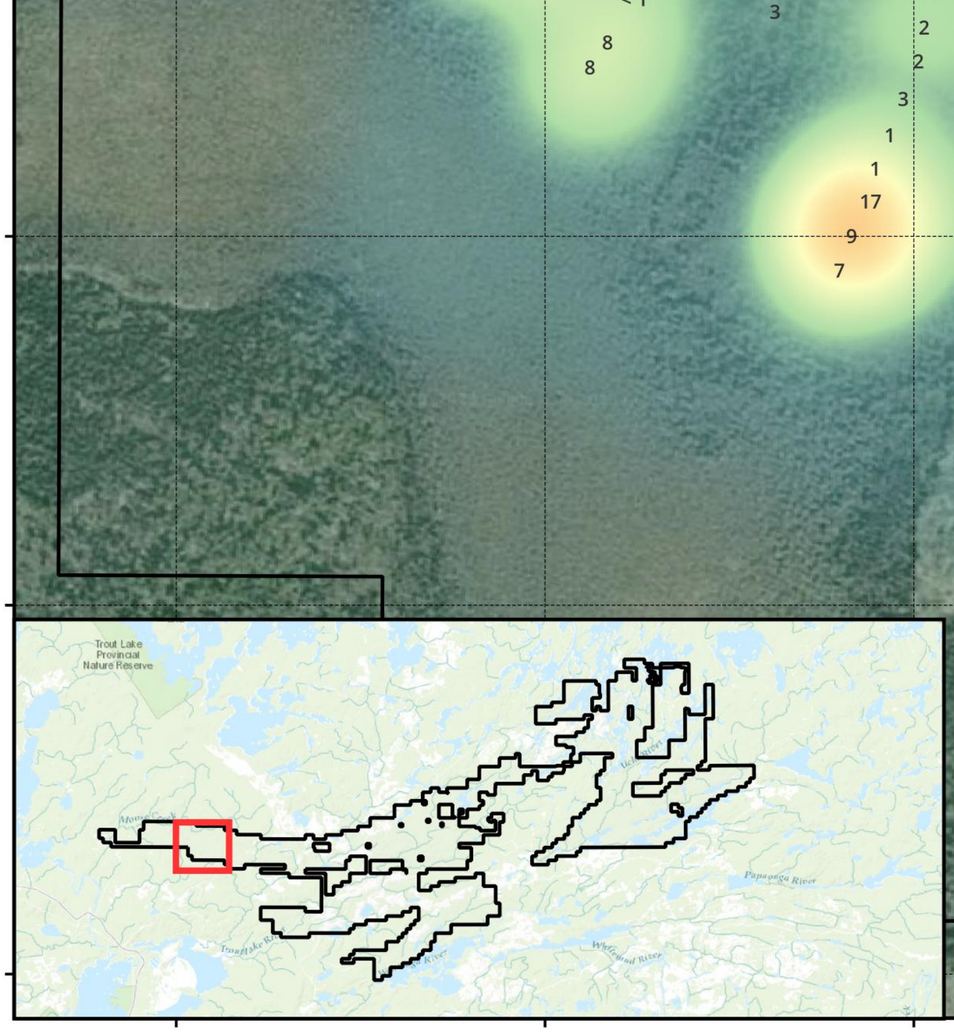
Confederation Belt Properties
Confederation North Property
Ni (ppb) Heatmap

0 150 300 450 600 750 900 m

Red Lake, ON Datum: NAD83 15U 30 Jan 2022

476000 476500 477000 477500 478000 478500 479000

5643000 5642500 5642000 5641500 5641000



TRILLIUM GOLD™

Confederation Belt Properties
Confederation North Property
Pb (ppb) Heatmap

0 150 300 450 600 750 900 m

Red Lake, ON Datum: NAD83 15U 30 Jan 2022

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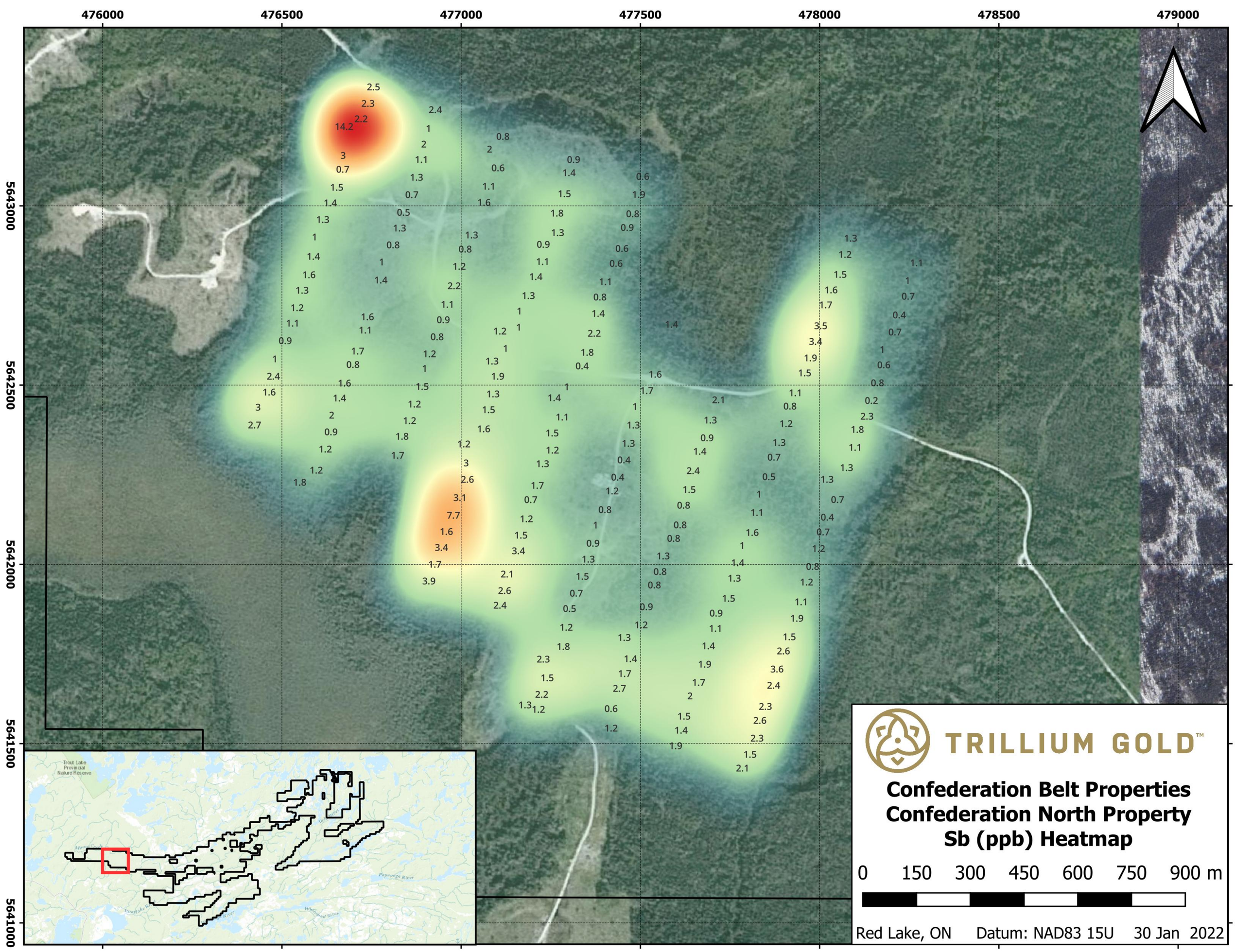
5643000 5642500 5642000 5641500 5641000



TRILLIUM GOLD™

Confederation Belt Properties
Confederation North Property
Sb (ppb) Heatmap

0 150 300 450 600 750 900 m

Red Lake, ON Datum: NAD83 15U 30 Jan 2022

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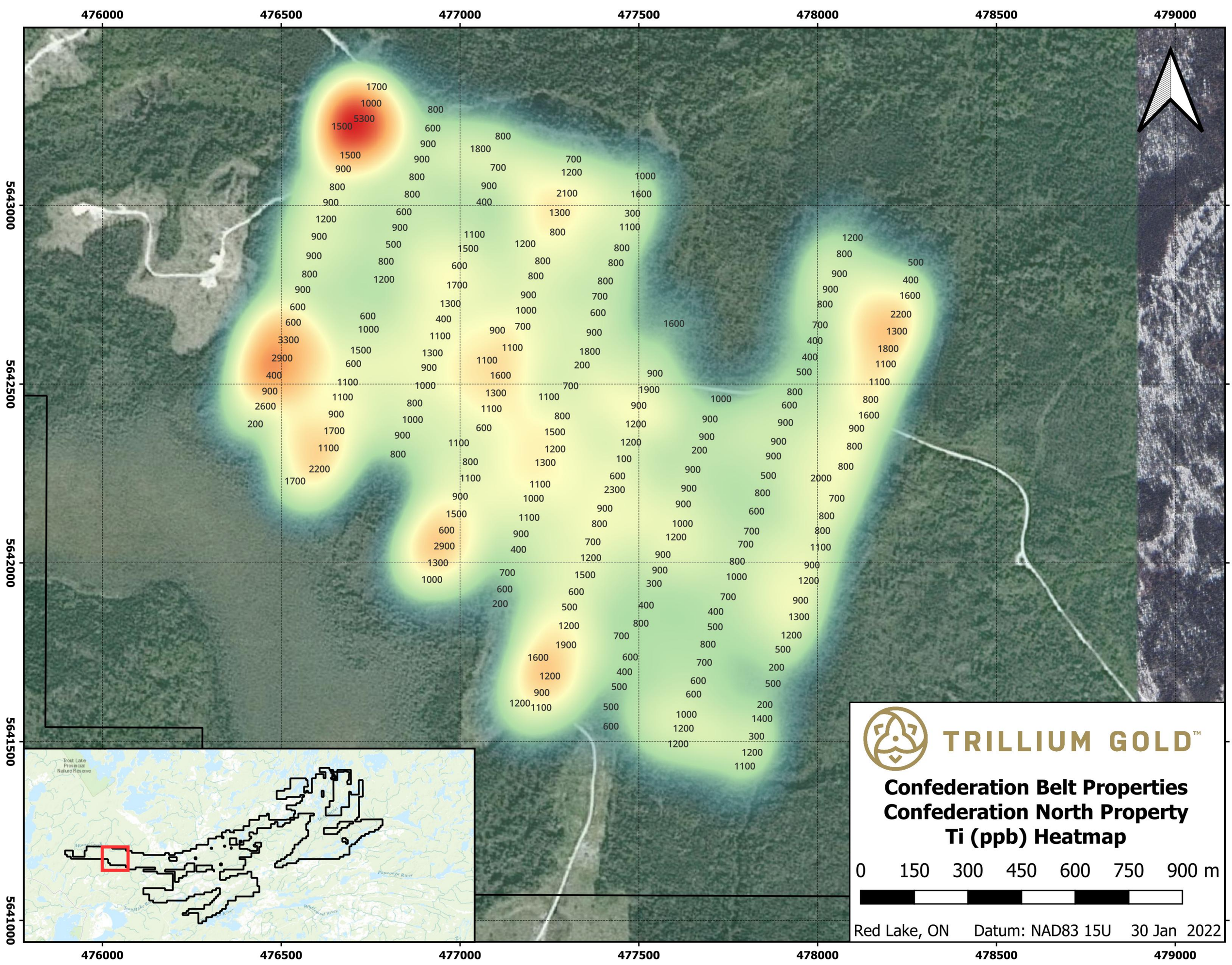

Confederation Belt Properties
Confederation North Property
Ti (ppb) Heatmap

0 150 300 450 600 750 900 m

Red Lake, ON Datum: NAD83 15U 30 Jan 2022

TRILLIUM GOLD™

476000 476500 477000 477500 478000 478500 479000

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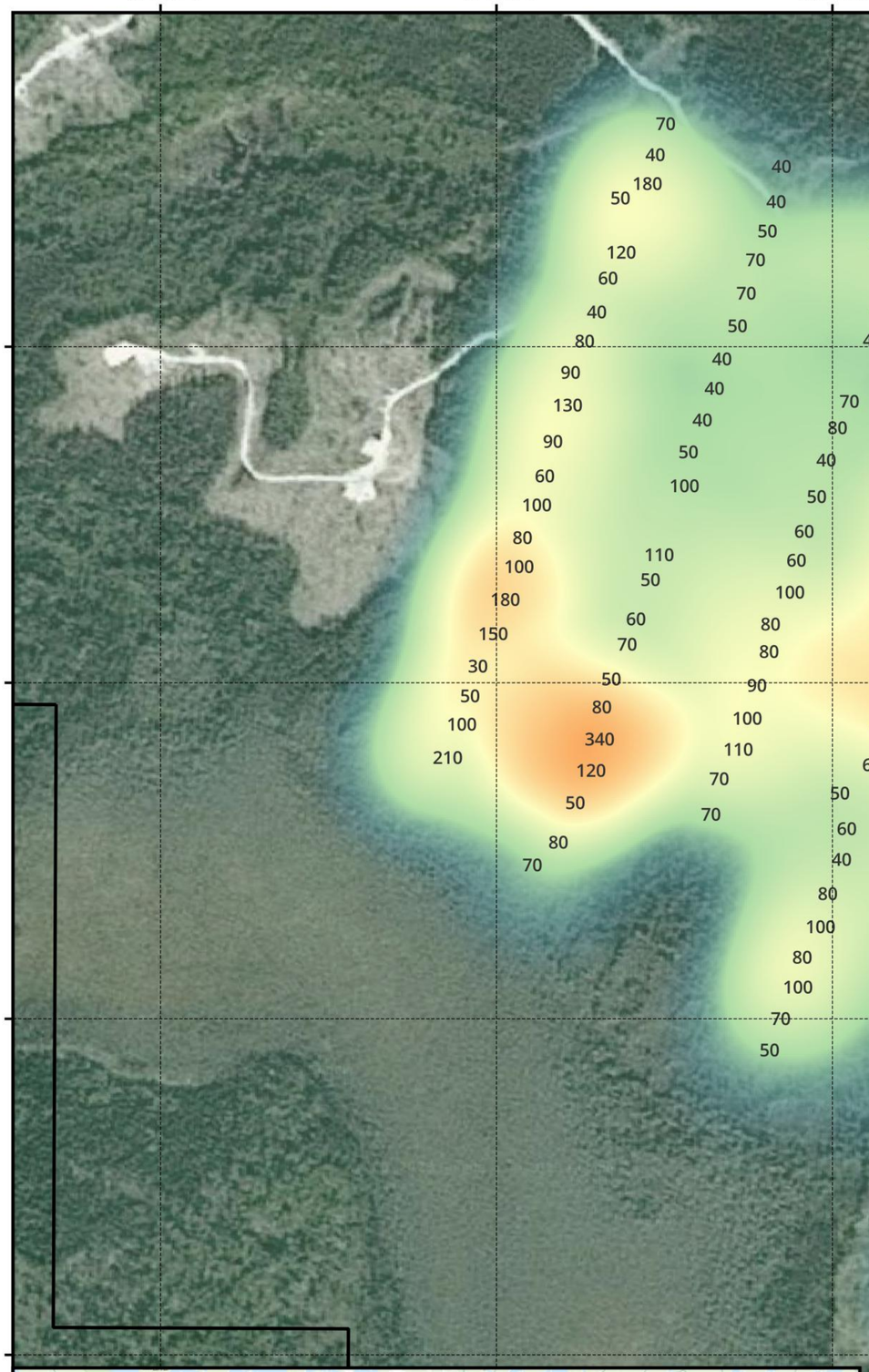

TRILLIUM GOLD™

Confederation Belt Properties
Confederation North Property
Zn (ppb) Heatmap

0 150 300 450 600 750 900 m

Red Lake, ON Datum: NAD83 15U 30 Jan 2022

Sample_ID	Easting	Northing	Al_ppm	Ca_ppm	Fe_ppm	K_ppm	Mg_ppm	Na_ppm	Cl_ppb
1305501	476737.3	5643324	16.3	168	17	34	44	10	5000
1305502	476721.9	5643278	13.2	212	15	20	44	16	6000
1305503	476702.7	5643235	86.7	202	81	42	59	19	6000
1305504	476698.6	5643214	18.6	253	15	22	62	19	6000
1305505	476663.7	5643133	22.6	222	18	26	51	18	6000
1305506	476651.6	5643094	4.4	113	4	41	29	8	4000
1305507	476634.8	5643044	2.3	105	4	24	33	16	4000
1305508	476616.8	5643001	6.7	90	6	35	22	7	< 2000
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1305510	476584.1	5642906	5.4	72	11	26	21	10	< 2000
1305511	476569.5	5642851	4.1	111	5	32	27	8	< 2000
1305512	476557.4	5642800	6.5	131	9	47	34	10	4000
1305513	476757.8	5642785	6	133	8	46	37	10	4000
1305514	476771.2	5642836	7.5	112	9	40	31	10	4000
1305515	476792	5642883	2.5	105	4	27	32	10	< 2000
1305516	476810	5642930	5	116	6	28	38	13	< 2000
1305517	476821.1	5642974	4.4	91	5	21	29	7	3000
1305518	476844.2	5643023	2.1	72	5	20	19	6	2000
1305519	476857.4	5643072	3.8	108	4	35	25	6	3000
1305520	476871.2	5643122	5.8	143	5	34	40	9	3000
1305521	476888.8	5643165	14.8	168	12	16	34	11	< 2000
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1305525	476524.2	5642708	4.3	78	4	34	22	8	3000
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1305527	476491.2	5642616	58.5	56	55	33	26	8	2000
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1305535	477098.3	5643186	4.9	94	4	43	24	9	< 2000
1305536	477085.9	5643151	18.9	241	16	37	47	18	11000
1305537	477084.7	5643098	5.5	155	4	27	37	7	3000
1305538	477059	5643047	7.5	125	8	41	36	7	3000
1305539	477045.5	5643002	6.1	193	4	43	55	8	3000
1305540	477032.4	5642962							
1305541	477010.8	5642911	3.9	112	6	34	28	12	< 2000
1305542	476993.1	5642872	4.3	116	6	37	28	11	< 2000
1305543	476976.4	5642824	4.8	143	5	24	39	11	2000
1305544	476962.1	5642769	6.1	143	10	27	39	17	5000
1305545	476355.4	5642242							
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1305547	476327.8	5642149							
1305548	476313.7	5642099							
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1305550	476280.3	5642006							
1305551	476269.7	5641950							
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1305553	476426	5641862							
1305554	476450.4	5641881							
1305555	476450.9	5641909							
1305556	476477.6	5641978							
1305557	476503.8	5642031							
1305558	476515.1	5642075							
1305559	476516.7	5642073							
1305560	476534.4	5642124							
1305561	476548	5642172							
1305562	476567.6	5642221	27	231	24	26	57	25	< 2000
1305563	476577.6	5642255	39.1	175	34	32	51	12	< 2000
1305564	476602.8	5642314	3.6	100	4	31	28	13	< 2000
1305565	476618.8	5642362	5.1	108	6	44	32	11	< 2000
1305566	476631.7	5642409	6	133	6	40	34	11	5000
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1305568	476656.4	5642498	3.7	79	5	39	27	10	3000
1305569	476693.2	5642587	7	94	12	26	41	13	3000
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1305572	476714.7	5642646	3.3	81	12	17	25	11	4000
1305573	477998.6	5642716	11.2	263	10	24	53	17	< 2000
1305574	478013.6	5642758	8.6	134	7	29	33	9	4000
1305575	478039	5642801	7.5	134	6	42	38	10	3000
1305576	478052.6	5642857	8.6	151	7	44	40	13	4000
1305577	478068.2	5642902	19.1	181	14	24	39	17	5000
1305578	478252.3	5642833	27.7	48	10	30	19	8	7000
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1305580	478228.7	5642740	15.9	38	11	16	18	10	4000
1305581	478203.8	5642688	11.8	57	7	14	15	< 5	4000
1305582	478192	5642640	11.9	70	14	19	22	8	5000
1305583	478167.7	5642592	7.7	89	12	32	22	7	4000
1305584	478160.8	5642549	8.4	78	7	29	18	5	2000
1305585	478143.1	5642499	6.4	96	5	41	27	7	5000
1305586	478126.2	5642449	4.3	60	5	14	16	6	4000
1305587	476943.6	5642718	6.7	111	5	50	28	10	3000
1305588	476932	5642675	24.6	85	6	14	14	5	3000
1305589	476914.8	5642627	16.4	55	6	24	14	5	10000
1305590	476893.4	5642580	9.3	98	5	52	27	8	8000
1305591	476891.2	5642539	3.3	88	3	59	24	10	4000
1305592	476873.1	5642489	5.2	104	4	45	27	10	7000
1305593	476851.3	5642440	4.6	99	4	60	25	10	6000

1305594	476838	5642393	6.5	112	5	53	30	8	6000
1305595	476817	5642350	7.1	123	5	30	34	14	5000
1305596	476804.7	5642297	12	197	9	27	47	12	8000
1305597	476999.2	5642230	10.2	340	5	18	64	21	7000
1305598	477006.9	5642275	7.1	306	5	31	72	19	3000
1305599	477025.3	5642328	18.5	212	13	33	50	15	9000
1305600	477044.7	5642370	5	117	4	29	27	9	3000
1305601	477125.9	5642643	7.1	155	6	37	43	11	4000
1305602	477153.7	5642654	9.4	163	7	16	45	16	3000
1305603	477155.3	5642699	22.6	53	12	10	8	8	3000
1305604	477169.4	5642742	28.4	70	14	31	19	11	3000
1305605	477190.1	5642795	10.7	171	8	35	46	12	2000
1305606	477209.2	5642837	5.1	101	3	37	27	6	3000
1305607	477211	5642885	6.9	117	5	41	25	7	2000
1305608	477250.9	5642918	6.4	190	5	23	29	6	10000
1305609	477249	5642972	7.1	46	6	17	12	8	7000
1305610	477269.8	5643026	15.5	103	17	46	25	9	8000
1305611	477282.6	5643085	4.3	106	5	46	28	16	4000
1305612	477295.5	5643122	2.5	97	4	36	30	10	3000
1305613	477488.2	5643074	5.6	94	5	35	24	12	< 2000
1305614	477477	5643024	18	91	16	21	20	7	3000
1305615	477460.3	5642970	12.5	60	7	10	8	< 5	4000
1305616	477445.1	5642932	8.9	43	4	13	13	6	7000
1305617	477430.4	5642874	6.1	47	12	11	15	11	7000
1305618	477414	5642832	5.1	52	4	15	18	7	< 2000
1305619	477384.5	5642781	7.2	74	5	36	26	8	5000
1305620	477369	5642738	4.6	110	9	13	29	7	2000
1305621	477364	5642692	8.7	164	7	22	53	13	4000
1305622	477353.1	5642637	9	256	6	20	72	19	8000
1305623	477333.3	5642584	10.1	108	24	25	48	15	3000
1305624	477319.2	5642546	18.2	28	5	6	4	< 5	< 2000
1305625	477568.7	5642662	4.1	72	10	12	27	13	4000
1305625	477523.2	5642523	2.9	100	4	31	39	14	< 2000
1305626	477534.8	5642573							
1305627	477548.6	5642614							
1305629	477580.7	5642713							
1305630	477603.4	5642743							
1305631	477607.7	5642797							
1305632	477633.4	5642855							
1305633	477646.3	5642896							
1305634	477668	5642946							
1305635	477675.7	5642997							
1305636	477858.3	5642961							
1305637	477854.1	5642921							
1305638	477855.2	5642868							
1305639	477829	5642830							
1305640	477806.6	5642775							

1305641	477797.7	5642729							
1305642	477775.1	5642682							
1305643	477764.8	5642630							
1305644	477744.8	5642570							
1305645	477735.1	5642537							
1305646	477699.5	5642492							
1305647	477940	5642527	4.7	149	4	19	43	17	2000
1305648	477956.1	5642568	5.3	152	4	31	36	9	2000
1305649	477970.4	5642614	4.4	226	3	9	42	12	2000
1305650	477984.8	5642658	7.2	241	6	18	51	16	5000
1305651	477058.3	5642424	5	110	4	29	29	16	6000
1305652	477070.7	5642468	6.3	109	6	50	33	13	< 2000
1305653	477083.9	5642517	6.1	118	8	55	36	9	7000
1305654	477104	5642559	4.1	85	7	34	30	10	4000
1305655	477116.9	5642595	7.5	130	11	47	43	14	5000
1305656	476768.2	5642199							
1305657	476780.5	5642243							
1305658	476754.2	5642153							
1305659	476735.6	5642116							
1305660	476723.3	5642057							
1305661	476704	5642012							
1305662	476692.4	5641970							
1305663	476676.3	5641922							
1305664	476657.5	5641867							
1305665	476643	5641827							
1305666	476628.2	5641785							
1305667	477287.5	5642488	4.4	87	3	31	25	10	4000
1305668	477277.3	5642457	5.3	115	5	40	33	9	< 2000
1305669	477264	5642403	3.4	117	6	19	35	8	< 2000
1305670	477235.7	5642359	7.1	79	8	47	26	11	5000
1305671	477236.4	5642311	3.8	71	5	43	25	13	6000
1305672	477209	5642273	5.8	76	6	33	29	16	6000
1305673	477194.3	5642213	6.2	91	5	48	29	12	6000
1305674	477176	5642173	5.5	89	7	38	28	10	7000
1305675	477163.8	5642120	4	97	4	39	29	11	3000
1305676	477148.6	5642074	13.7	249	11	21	63	18	7000
1305677	477141.5	5642030	5.9	286	5	19	64	18	7000
1305678	477110.4	5641965	10.6	239	8	23	59	17	6000
1305679	477103.1	5641919	8.8	305	6	14	62	27	5000
1305680	477090.2	5641878	2.7	330	3	15	74	33	10000
1305681	477073.2	5641844							
1305682	477062.6	5641801							
1305683	477033.2	5641735							
1305684	477021.5	5641692							
1305685	476999.3	5641645							
1305686	477197.3	5641588	3.2	93	6	31	28	16	< 2000
1305687	477206.6	5641630	7.8	157	4	43	45	15	19000

1305688	477221.9	5641676	5	112	5	32	32	15	3000
1305689	477247	5641728	6.1	128	8	43	33	10	4000
1305690	477266.8	5641763	8.7	101	14	40	35	12	4000
1305691	476960.4	5642129	9.3	418	6	21	96	32	14000
1305692	476940.6	5642084	6.5	364	5	24	73	32	16000
1305693	476926.8	5642040	41.5	206	35	36	55	18	2000
1305694	476908.5	5641993	12.8	232	10	24	52	18	4000
1305695	476891.9	5641946	6.7	207	10	23	52	21	4000
1305696	476878.6	5641896							
1305697	476860.1	5641852							
1305698	476847.4	5641811							
1305699	476833.1	5641753							
1305700	476817	5641715							
1305701	477196.1	5641600	3.2	90	6	28	27	17	4000
1305702	477400.2	5641555	7.9	184	7	24	63	22	5000
1305703	477400	5641590	8	218	6	17	62	25	< 2000
1305704	477423.3	5641646	7	180	5	26	50	17	7000
1305705	477437.9	5641688	5.4	171	4	26	59	23	5000
1305706	477454	5641729	5.2	119	4	32	33	10	5000
1305707	477472.7	5641788	5.5	135	6	27	36	13	4000
1305708	477483.9	5641824	6	142	6	36	40	17	7000
1305709	477498.5	5641874	4.7	125	4	23	35	9	4000
1305710	477520.7	5641935	3.8	118	2	19	32	9	5000
1305711	477536.8	5641972	4.4	109	4	34	29	7	4000
1305712	477545.3	5642016	3.7	97	4	33	24	9	6000
1305713	477574.6	5642065	7	71	6	34	24	13	7000
1305714	477592.7	5642103	5.2	97	5	36	25	9	5000
1305715	477602.4	5642157	2.9	77	3	31	21	10	5000
1305716	477617.8	5642201	4.6	125	4	33	35	12	7000
1305717	477628.9	5642254	5.9	160	7	27	46	16	7000
1305718	477647.4	5642308	1.9	72	4	9	18	< 5	5000
1305719	477667.8	5642345	3.7	85	4	22	23	11	8000
1305720	477677	5642395	10.6	67	8	25	18	7	5000
1305721	477700.1	5642451	7.6	146	7	40	36	11	3000
1305722	477766.8	5641424	8.3	198	9	22	54	15	6000
1305723	477787.6	5641463	8.6	214	18	10	41	14	4000
1305724	477807.2	5641508	2.1	207	1	11	47	10	3000
1305725	477815.1	5641557	6.8	442	4	14	93	25	12000
1305726	477830.5	5641596	3.6	365	2	15	86	22	8000
1305727	477853.3	5641655	3.3	358	4	8	67	19	9000
1305728	477862.9	5641700	2.9	369	3	21	71	28	10000
1305729	477880.8	5641751	7	335	5	22	79	35	11000
1305730	477897.2	5641790	10.9	233	11	30	55	17	6000
1305731	477918.3	5641842	6.3	133	7	41	50	11	5000
1305732	477930.3	5641888	4.8	56	6	19	20	5	4000
1305733	477945.3	5641943	5.5	136	5	42	41	10	5000
1305734	477962.2	5641987	6	89	5	23	25	8	7000

1305735	477978.7	5642036	6.9	101	6	28	30	8	5000
1305736	477991.6	5642083	3.9	93	4	17	23	7	< 2000
1305737	478003.2	5642124	3.9	64	13	9	20	7	3000
1305738	478031.8	5642173	13.5	26	10	9	9	8	3000
1305739	478038.5	5642230	24.9	40	20	11	16	9	2000
1305740	478056.9	5642262	11.7	35	13	10	12	5	2000
1305741	478080.9	5642319	5	55	6	18	16	8	7000
1305742	478086.9	5642369	10.6	64	6	34	15	6	5000
1305743	478113.9	5642406	5.2	169	6	47	33	9	7000
1305744	477499.5	5642477	7.3	96	6	34	25	7	3000
1305745	477477.9	5642433	4.3	130	5	37	37	14	10000
1305746	477462.1	5642381	8.3	117	11	35	24	9	4000
1305747	477448.4	5642330	17.9	90	6	37	20	8	7000
1309001	476978.6	5642179	9.4	258	8	20	51	24	8000
1309002	476989.8	5642231							
1309003	477003.6	5642273							
1309004	477027.1	5642326							
1309005	477036.6	5642374							
1309006	477036.1	5642375							
1309007	477580.2	5641487	4.1	52	8	25	15	< 5	< 2000
1309008	477595.3	5641530	7.2	99	7	41	26	9	4000
1309009	477603.5	5641569	4.2	110	6	45	30	14	9000
1309010	477631.2	5641626	7.2	222	7	21	58	16	5000
1309011	477644.3	5641663	7.9	194	7	19	58	18	6000
1309012	477661.1	5641714	7.4	165	6	29	50	12	9000
1309013	477671.4	5641765	10.7	166	9	20	48	13	8000
1309014	477691.4	5641814	7.7	148	6	20	41	8	6000
1309015	477693.1	5641856	5.1	154	3	13	38	8	3000
1309016	477727.9	5641898	9	162	8	31	45	17	8000
1309017	477743.7	5641954	4.7	113	4	25	28	7	5000
1309018	477753.2	5641997	4.6	103	4	27	27	8	6000
1309019	477776.8	5642045	4.9	89	4	27	23	7	< 2000
1309020	477793.6	5642081	4.9	132	4	24	28	5	3000
1309021	477807.1	5642137	2.8	83	3	20	23	< 5	4000
1309022	477823.9	5642188	3.6	76	8	21	18	5	4000
1309023	477840.3	5642237	17.1	31	13	5	8	5	7000
1309024	477854.5	5642291	4.4	70	4	15	15	5	3000
1309025	477868.8	5642332	7	150	4	32	30	8	9000
1309026	477888.1	5642385	6.2	136	5	30	29	7	5000
1309027	477899.1	5642434	2.8	78	3	21	19	< 5	4000
1309028	477914.1	5642471	2.9	81	3	38	22	6	4000
1309029	477274.9	5641817	4	82	5	39	28	13	3000
1309030	477284.2	5641869	8	34	7	12	11	< 5	< 2000
1309031	477303.1	5641912	13.1	24	9	< 5	7	< 5	4000
1309032	477320	5641959	4.3	87	5	13	14	< 5	5000
1309033	477336.4	5642007	4.1	92	5	28	23	12	8000
1309034	477349.6	5642051	22.7	33	10	18	12	8	9000

1309035	477367.9	5642102	14.2	48	15	9	15	6	6000
1309036	477383	5642145	20.5	32	9	13	10 < 5		5000
1309037	477402.8	5642197	14.7	77	25	50	25 < 5		9000
1309038	477418.5	5642236	5.7	38	11	19	10 < 5		5000
1309039	477436	5642284	26.7	19	4	11	5 < 5		5000

Br_ppb	I_ppb	V_ppb	As_ppb	Se_ppb	Mo_ppb	Sb_ppb	Te_ppb	W_ppb	Re_ppb
67	16	422	32	< 5	3	2.5	2	2	< 0.01
62	45	254	24	< 5	32	2.3	< 1	1	< 0.01
52	50	599	16	< 5	44	2.2	< 1	4	0.02
27	5	4760	50	74	203	14.2	< 1	6	0.04
89	29	394	12	< 5	22	3	< 1	2	0.03
64	22	103	15	< 5	2	0.7	< 1	< 1	< 0.01
61	57	305	10	< 5	1	1.5	< 1	< 1	< 0.01
79	25	82	14	< 5	2	1.4	< 1	< 1	< 0.01
87	32	126	17	< 5	2	1.3	< 1	< 1	< 0.01
92	28	124	14	< 5	1	1	< 1	< 1	< 0.01
79	29	112	15	< 5	2	1.4	< 1	< 1	< 0.01
115	33	129	15	< 5	3	1.6	< 1	< 1	< 0.01
103	26	131	21	< 5	3	1.4	< 1	< 1	< 0.01
76	30	117	11	< 5	2	1	< 1	< 1	< 0.01
62	26	156	7	< 5	1	0.8	< 1	< 1	< 0.01
90	36	144	12	< 5	2	1.3	< 1	< 1	< 0.01
59	16	72	13	< 5	< 1	0.5	< 1	< 1	< 0.01
43	18	115	4	< 5	< 1	0.7	< 1	< 1	< 0.01
63	17	82	12	< 5	1	1.3	< 1	< 1	< 0.01
72	28	61	14	< 5	2	1.1	< 1	< 1	< 0.01
60	42	323	9	< 5	15	2	< 1	< 1	< 0.01
60	50	166	6	< 5	4	1	< 1	< 1	< 0.01
59	11	566	30	< 5	13	2.4	< 1	1	< 0.01
85	27	57	13	< 5	2	1.3	< 1	< 1	< 0.01
69	18	68	12	< 5	1	1.2	< 1	< 1	< 0.01
88	30	68	13	< 5	2	1.1	< 1	< 1	< 0.01
95	31	174	13	< 5	2	0.9	< 1	1	0.01
117	43	173	13	< 5	2	1	< 1	< 1	< 0.01
191	105	327	8	11	17	2.4	< 1	< 1	0.06
172	98	285	10	8	11	1.6	< 1	< 1	0.07
183	20	1700	24	13	352	3	< 1	3	0.05
294	18	1140	195	< 5	64	2.7	< 1	< 1	0.05
64	24	86	9	< 5	2	0.8	< 1	< 1	0.01
128	41	525	20	< 5	10	2	< 1	1	0.02
63	22	104	13	< 5	3	0.6	< 1	< 1	< 0.01
84	24	105	13	< 5	2	1.1	< 1	< 1	< 0.01
97	30	73	16	< 5	5	1.6	< 1	< 1	< 0.01
55	15	219	12	< 5	3	1.3	< 1	< 1	< 0.01
40	17	189	14	< 5	2	0.8	< 1	< 1	< 0.01
59	26	256	9	< 5	2	1.2	< 1	< 1	< 0.01
135	48	316	29	< 5	3	2.2	< 1	< 1	< 0.01

86	44	794	13 < 5		45	1.8 < 1		1 < 0.01
151	89	233	19 < 5		6	1.2 < 1		1 0.02
74	26	158	8 < 5		2	1.2 < 1	< 1	< 0.01
120	37	192	21 < 5		2	0.9 < 1	< 1	< 0.01
84	25	95	24 < 5		2	2 < 1	< 1	< 0.01
103	26	92	17 < 5		1	1.4 < 1	< 1	< 0.01
68	22	81	13 < 5		1	1.6 < 1	< 1	< 0.01
71	26	200	31	6	3	1.7 < 1	< 1	< 0.01
33	8	23	18 < 5	< 1		0.8 < 1	< 1	< 0.01
84	16	53	13 < 5		2	1.6 < 1	< 1	< 0.01
90	20	189	27 < 5		3	1.1 < 1	< 1	< 0.01
173	113	739	22	10	16	1.7 < 1		1 0.01
81	34	138	31 < 5		3	1.6 < 1	< 1	< 0.01
143	58	190	17 < 5		2	1.5 < 1	< 1	< 0.01
117	45	202	11 < 5		3	1.2 < 1	< 1	< 0.01
129	68	292	9 < 5		7	1.3 < 1	< 1	< 0.01
139	21	23	16 < 5	< 1		1.1 < 1	< 1	< 0.01
76	13	8	13 < 5	< 1		1 < 1	< 1	< 0.01
72	16	70	31 < 5		3	0.7 < 1	< 1	< 0.01
55	11	45	30 < 5		2	0.4 < 1	< 1	< 0.01
120	34	90	12 < 5		2	0.7 < 1	< 1	< 0.01
85	26	138	55	9	3	1 < 1	< 1	< 0.01
83	20	61	13 < 5	< 1		0.6 < 1	< 1	< 0.01
107	28	96	18 < 5		1	0.8 < 1	< 1	< 0.01
73	20	57	5 < 5		1	0.2 < 1	< 1	< 0.01
101	28	123	12 < 5		2	1.1 < 1	< 1	< 0.01
75	11	35	7 < 5		1	0.9 < 1	< 1	< 0.01
92	11	16	17 < 5	< 1		0.8 < 1	< 1	< 0.01
97	31	69	11 < 5		1	1.2 < 1	< 1	< 0.01
82	24	114	5 < 5		1	1 < 1	< 1	< 0.01
91	15	111	15 < 5		1	1.5 < 1	< 1	< 0.01
79	18	133	7 < 5		1	1.2 < 1	< 1	< 0.01

101	27	108	19 < 5		2	1.2 < 1	< 1	< 0.01
101	32	217	13 < 5		1	1.8 < 1	< 1	< 0.01
203	45	195	25 < 5		4	1.7 < 1	< 1	< 0.01
119	29	1080	12	7	20	2.6 < 1	< 1	0.07
164	43	303	37	8	30	3	2 < 1	0.03
165	64	263	17	8	17	1.2 < 1	< 1	< 0.01
92	30	80	7 < 5		2	1.6 < 1	< 1	< 0.01
110	47	93	13 < 5		2	1.2 < 1	< 1	< 0.01
122	55	125	16 < 5		2	1 < 1	< 1	< 0.01
72	16	47	38 < 5		2	1 < 1	< 1	< 0.01
130	22	22	26 < 5	< 1		1.3 < 1	< 1	< 0.01
120	38	122	16 < 5		2	1.4 < 1	< 1	< 0.01
81	17	56	10 < 5		2	1.1 < 1	< 1	< 0.01
74	23	72	10 < 5		1	0.9 < 1	< 1	< 0.01
45	13	79	14 < 5		2	1.3 < 1	< 1	< 0.01
48	7	28	67 < 5		1	1.8 < 1	< 1	< 0.01
132	38	130	29 < 5		2	1.5 < 1	< 1	< 0.01
68	20	255	11 < 5		1	1.4 < 1	< 1	< 0.01
50	25	117	8 < 5		1	0.9 < 1	< 1	< 0.01
79	30	97	4 < 5	< 1		0.6 < 1	< 1	< 0.01
94	26	114	26	6	1	1.9 < 1	< 1	< 0.01
74	8	4	9 < 5	< 1		0.8 < 1	< 1	< 0.01
30	5	28	22 < 5	< 1		0.9 < 1	< 1	< 0.01
70	12	116	8 < 5		2	0.6 < 1	< 1	< 0.01
61	12	61	4 < 5		1	0.6 < 1	< 1	< 0.01
135	32	75	8 < 5		1	1.1 < 1	< 1	< 0.01
73	21	234	22 < 5		2	0.8 < 1	< 1	< 0.01
98	54	211	14 < 5		7	1.4 < 1	< 1	< 0.01
97	31	893	49	6	22	2.2 < 1	< 1	0.02
180	74	251	42 < 5		3	1.8 < 1	< 1	0.01
78	7	5	4 < 5	< 1		0.4 < 1	< 1	< 0.01
54	14	185	13 < 5		1	1.4 < 1	< 1	< 0.01
107	35	172	13 < 5		1	1.6 < 1	< 1	< 0.01

128	54	249	14	< 5	2	1.5	< 1	< 1	0.01
85	14	694	14	8	43	1.9	< 1	< 1	0.01
75	20	914	7	13	10	3.4	< 1	< 1	0.03
140	27	1230	18	19	64	3.5	< 1	1	0.04
117	34	119	8	< 5	2	1.5	< 1	< 1	0.01
122	35	137	12	< 5	2	1.3	< 1	< 1	0.01
77	19	209	23	< 5	3	1.9	< 1	< 1	0.01
78	21	126	15	< 5	2	1.3	< 1	< 1	0.01
180	61	205	11	< 5	2	1	< 1	< 1	0.01

87	23	49	10	< 5	< 1		1	< 1	< 0.01
87	33	135	11	< 5		2	1.4	< 1	< 0.01
63	26	118	11	< 5		2	1.1	< 1	< 0.01
128	43	114	12	< 5		1	1.5	< 1	< 0.01
88	33	119	10	5		1	1.2	< 1	< 0.01
105	29	126	8	< 5		1	1.3	< 1	< 0.01
111	31	95	13	< 5		2	1.7	< 1	< 0.01
117	33	75	12	< 5		2	0.7	< 1	< 0.01
97	30	161	12	< 5		2	1.2	< 1	< 0.01
350	169	549	16	10		18	1.5	1	0.02
217	60	727	18	10		29	3.4	< 1	0.08
182	98	368	25	< 5		21	2.1	< 1	0.01
136	48	690	10	9		45	2.6	1	0.06
103	23	2200	20	8		165	2.4	1	0.03

60	26	187	10	< 5		4	1.2	< 1	< 0.01
77	14	61	37	< 5		3	2.2	< 1	< 0.01

88	24	100	12	< 5	2	1.5	< 1	< 1	< 0.01
94	18	170	30	< 5	3	2.3	< 1	< 1	< 0.01
84	20	152	47	< 5	2	1.8	< 1	< 1	< 0.01
109	17	3260	33	9	99	7.7	< 1	1	0.12
117	18	1700	14	< 5	57	1.6	< 1	< 1	0.1
85	5	2430	32	10	72	3.4	< 1	4	0.03
57	12	1550	14	10	40	1.7	< 1	2	0.05
79	8	1980	61	8	122	3.9	< 1	2	0.03

93	27	210	11	< 5	2	1.3	< 1	< 1	< 0.01
126	36	372	12	8	9	1.2	< 1	< 1	0.03
97	30	302	7	8	28	0.6	< 1	< 1	0.02
143	41	344	12	< 5	9	2.7	< 1	< 1	< 0.01
96	28	305	7	< 5	10	1.7	< 1	< 1	0.05
110	38	94	9	< 5	3	1.4	< 1	< 1	< 0.01
95	39	124	8	6	3	1.3	< 1	< 1	0.01
146	69	175	12	< 5	4	1.2	< 1	< 1	< 0.01
100	32	77	10	< 5	2	0.9	< 1	< 1	< 0.01
67	24	57	5	< 5	1	0.8	< 1	< 1	0.01
102	24	81	7	< 5	2	0.8	< 1	< 1	< 0.01
94	23	98	15	< 5	1	1.3	< 1	< 1	< 0.01
103	27	63	13	< 5	2	0.8	< 1	< 1	< 0.01
113	30	70	13	< 5	1	0.8	< 1	< 1	< 0.01
64	18	95	5	< 5	< 1	0.8	< 1	< 1	< 0.01
141	46	127	11	5	2	1.5	< 1	< 1	< 0.01
152	41	210	29	< 5	3	2.4	< 1	< 1	< 0.01
29	9	25	6	< 5	< 1	1.4	< 1	< 1	< 0.01
98	26	96	7	< 5	1	0.9	< 1	< 1	< 0.01
86	22	60	22	5	2	1.3	< 1	< 1	< 0.01
123	31	90	22	7	3	2.1	< 1	< 1	< 0.01
81	35	117	29	< 5	14	2.1	< 1	< 1	< 0.01
54	11	690	11	< 5	36	1.5	< 1	< 1	0.01
20	5	149	15	< 5	10	2.3	< 1	< 1	< 0.01
101	18	1490	39	5	70	2.6	< 1	< 1	0.04
97	13	1760	52	7	94	2.3	< 1	< 1	0.04
113	34	582	49	9	111	2.4	< 1	< 1	0.02
211	69	903	104	7	95	3.6	< 1	< 1	0.02
334	105	543	99	8	45	2.6	< 1	< 1	0.04
166	39	193	22	< 5	6	1.5	< 1	< 1	0.01
132	37	175	25	< 5	6	1.9	< 1	< 1	< 0.01
52	16	48	15	< 5	1	1.1	< 1	< 1	< 0.01
126	27	81	16	6	3	1.2	< 1	< 1	< 0.01
93	16	52	11	< 5	1	0.8	< 1	< 1	< 0.01

82	23	71	13 < 5		1	1.2 < 1	< 1	< 0.01
68	18	52	8 < 5		2	0.7 < 1	< 1	< 0.01
40	10	136	15 < 5		2	0.4 < 1	< 1	< 0.01
46	9	48	28 < 5		1	0.7 < 1	< 1	< 0.01
130	28	97	51 < 5		3	1.3 < 1	< 1	< 0.01
57	15	39	25 < 5	< 1		1.3 < 1	< 1	< 0.01
82	16	56	9 < 5	< 1		1.1 < 1	< 1	< 0.01
51	9	28	11 < 5	< 1		1.8 < 1	< 1	< 0.01
83	23	325	21	6	4	2.3 < 1	< 1	< 0.01
64	14	61	32 < 5		3	1.7 < 1	< 1	< 0.01
152	36	169	10 < 5		2	1 < 1	< 1	< 0.01
135	29	124	21	5	3	1.3 < 1	< 1	< 0.01
118	22	45	17	7	2	1.3 < 1	< 1	< 0.01
91	25	748	11	11	21	3.1 < 1	< 1	0.06

49	9	68	19 < 5		2	1.9 < 1	< 1	< 0.01
126	34	92	16 < 5		2	1.4 < 1	< 1	< 0.01
142	46	129	16	8	2	1.5 < 1	< 1	< 0.01
120	37	175	25 < 5		16	2 < 1	< 1	< 0.01
130	36	189	18	9	6	1.7 < 1	< 1	< 0.01
175	52	188	25	7	3	1.9 < 1	< 1	< 0.01
177	46	154	17 < 5		3	1.4 < 1	< 1	< 0.01
124	38	86	16 < 5		2	1.1 < 1	< 1	< 0.01
55	19	153	6 < 5		4	0.9 < 1	< 1	< 0.01
135	40	160	16	7	3	1.5 < 1	< 1	< 0.01
97	26	83	26 < 5		2	1.3 < 1	< 1	< 0.01
88	19	51	16 < 5		2	1.4 < 1	< 1	< 0.01
97	22	68	10 < 5		1	1 < 1	< 1	< 0.01
84	18	91	22 < 5		2	1.6 < 1	< 1	< 0.01
54	13	63	9 < 5	< 1		1.1 < 1	< 1	< 0.01
55	11	57	9 < 5	< 1		1 < 1	< 1	< 0.01
48	5	38	7 < 5	< 1		0.5 < 1	< 1	< 0.01
55	14	57	6 < 5		1	0.7 < 1	< 1	< 0.01
111	27	63	15 < 5		2	1.3 < 1	< 1	< 0.01
93	25	55	14 < 5		2	1.2 < 1	< 1	< 0.01
38	11	54	5	5 < 1		0.8 < 1	< 1	< 0.01
68	14	71	7 < 5		1	1.1 < 1	< 1	< 0.01
99	23	117	12 < 5		1	1.2 < 1	< 1	< 0.01
45	13	29	3 < 5	< 1		0.5 < 1	< 1	< 0.01
18	3	23	6 < 5	< 1		0.7 < 1	< 1	< 0.01
35 < 2		44	23 < 5	< 1		1.5 < 1	< 1	< 0.01
59	19	97	12	6	1	1.3 < 1	< 1	< 0.01
79	14	38	7 < 5	< 1		0.9 < 1	< 1	< 0.01

107	14	90	26 < 5		1	1 < 1	< 1	< 0.01
43	8	21	13 < 5		1	0.8 < 1	< 1	< 0.01
112	20	225	61 < 5		6	1.2 < 1	< 1	< 0.01
66	7	61	6 < 5	< 1		0.4 < 1	< 1	< 0.01
74	5	4	2 < 5	< 1		0.4 < 1	< 1	< 0.01

Au_ppb	Hg_ppb	Th_ppb	U_ppb	Co_ppb	Ni_ppb	Cu_ppb	Zn_ppb	Pb_ppb	Ga_ppb
< 0.05	< 1	28.9	3.5	86	55	94	70	7	5
< 0.05	< 1	18.1	13.1	10	25	44	40	6	4
0.08	< 1	53.2	14.3	58	111	101	180	28	29
< 0.05	< 1	17.8	50	8	42	94	50	9	6
< 0.05	< 1	17.6	4.9	15	80	73	120	7	6
< 0.05	< 1	11.4	1.3	16	22	16	60	1	< 1
< 0.05	< 1	5.6	0.8	23	31	34	40	< 1	< 1
< 0.05	< 1	13.9	1.5	23	19	21	80	2	< 1
< 0.05	< 1	19.2	2.1	17	38	24	90	4	< 1
< 0.05	< 1	17.3	1.7	25	43	30	130	1	< 1
< 0.05	< 1	9	1.1	14	30	25	90	4	< 1
< 0.05	< 1	18.5	2.7	19	57	31	60	1	1
< 0.05	< 1	22.4	2.3	22	28	36	100	2	1
< 0.05	< 1	14.2	3.5	19	42	21	50	2	1
< 0.05	< 1	8.2	1.3	28	49	20	40	< 1	< 1
< 0.05	< 1	21.5	2.5	33	30	33	40	1	< 1
< 0.05	< 1	9.4	1.5	19	16	13	40	1	< 1
< 0.05	< 1	5.5	0.9	7	17	12	50	< 1	< 1
< 0.05	< 1	8.5	1	15	14	14	70	< 1	< 1
< 0.05	< 1	7.9	1.8	15	24	15	70	< 1		1
< 0.05	< 1	10.9	1.5	10	36	22	50	4	4
< 0.05	< 1	7.2	2.8	10	31	19	40	2	3
< 0.05	< 1	11.3	2.2	28	44	81	40	4	1
< 0.05	< 1	9.4	1.3	12	31	19	100	1	< 1
< 0.05	< 1	8.9	1.1	11	21	17	80	< 1	< 1
< 0.05	< 1	8.9	1.8	22	26	18	100	< 1	< 1
< 0.05	< 1	27.1	3.6	21	70	51	180	19	21
< 0.05	< 1	22.4	4.2	20	65	53	150	16	19
< 0.05	< 1	12.3	5.9	9	61	48	30	3	< 1
< 0.05	< 1	20.9	4.8	10	61	39	50	5	4
< 0.05	< 1	16	9.3	20	39	78	100	14	13
< 0.05	< 1	2	1	5	25	24	210	2	< 1
< 0.05	< 1	9.9	1.2	11	21	15	70	1	< 1
< 0.05	< 1	25.4	2.6	46	56	69	80	5	5
< 0.05	< 1	8.7	1.8	31	28	10	80	1	< 1
< 0.05	< 1	25	2.2	16	16	22	40	2	2
< 0.05	< 1	10.9	3.4	15	22	18	40	1	< 1
< 0.05	< 1	7.6	1.2	40	24	24	70	1	< 1
< 0.05	< 1	12	1.1	66	22	25	80	1	< 1
< 0.05	< 1	4.7	1.1	23	34	21	40	1	1
< 0.05	< 1	18	2	44	42	53	50	1	< 1

< 0.05	< 1	22	7.2	33	51	61	70	8	7
< 0.05	< 1	30.7	11.4	17	61	42	80	8	11
< 0.05	< 1	7.8	1	11	21	15	50 < 1	< 1	
< 0.05	< 1	10.8	1.6	68	30	23	120	1 < 1	
< 0.05	< 1	8.8	1.2	24	31	19	340	6 < 1	
< 0.05	< 1	10	1.2	17	29	17	80	1 < 1	
< 0.05	< 1	10.4	1.3	13	19	17	50	2 < 1	
< 0.05	< 1	19.1	3.1	49	25	46	60	2	1
< 0.05	< 1	3.1	0.8	13	14	6	70	3	1
< 0.05	< 1	6	0.8	27	16	11	110	2 < 1	
< 0.05	< 1	20.8	4	33	24	57	50	1 < 1	
< 0.05	< 1	20.5	9	5	48	42	30	2	2
< 0.05	< 1	14.4	4	37	26	20	70	2 < 1	
< 0.05	< 1	23.2	3.9	19	29	37	30	1	1
< 0.05	< 1	12.4	2.6	16	44	29	50	1	1
< 0.05	< 1	18.8	5.3	10	41	40	50	5	4
< 0.05	< 1	1.3	1.1	22	33	9	130	4	2
< 0.05	< 1	0.3	0.6	15	27	6	80	3	1
< 0.05	< 1	1.5	1	16	31	6	90	2	3
< 0.05	< 1	0.6	0.4	12	16	4	90	2	4
< 0.05	< 1	11.6	1.8	29	33	21	80	2	1
< 0.05	< 1	6	1.4	92	21	20	110	3	1
< 0.05	< 1	9.5	1.2	7	16	13	70	2 < 1	
< 0.05	< 1	10	1.4	16	15	18	60	1 < 1	
< 0.05	< 1	3.5	1	36	16	12	50	1 < 1	
< 0.05	< 1	14.2	1.6	86	26	19	60	1 < 1	
< 0.05	< 1	1.7	1.2	18	25	5	60	1 < 1	
< 0.05	< 1	0.4	0.6	13	19	8	100	3	3
< 0.05	< 1	14.7	1.7	12	18	20	80	2 < 1	
< 0.05	< 1	7	0.8	7	19	20	80 < 1	< 1	
< 0.05	< 1	9.2	0.8	11	20	17	90	1 < 1	
< 0.05	< 1	5	0.7	11	16	11	100	1 < 1	

< 0.05	< 1	11.9	1.4	14	24	19	110	1 < 1	
< 0.05	< 1	5.8	1.4	45	34	13	70	2	2
< 0.05	< 1	14.8	5.4	27	31	27	70	3	2
< 0.05	< 1	5.6	6.3	9	54	39	40	2 < 1	
< 0.05	< 1	5.4	5.9	11	38	34	60	2 < 1	
< 0.05	< 1	21.3	9.1	15	47	29	50	4	4
< 0.05	< 1	10.8	2.9	15	19	13	60 < 1		1
< 0.05	< 1	18.6	4	25	26	32	30	1 < 1	
< 0.05	< 1	17	4.6	16	27	28	30	2 < 1	
< 0.05	< 1	1.9	1.2	21	26	8	200	3	5
< 0.05	< 1	9.5	1.9	17	31	20	110	7 < 1	
< 0.05	< 1	14.6	2.6	11	28	28	50	3	2
< 0.05	< 1	5.1	1	21	17	10	70	7 < 1	
< 0.05	< 1	8.5	1.2	6	14	11	70	2 < 1	
< 0.05	< 1	2.9	0.7	10	16	13	160	6	1
< 0.05	< 1	0.3	0.4	12	17	5	220	10	2
< 0.05	< 1	14.6	2.1	13	30	32	60	3	1
< 0.05	< 1	14.2	1.3	31	32	37	70	1 < 1	
< 0.05	< 1	3.9	1.2	26	33	14	50 < 1	< 1	
< 0.05	< 1	7.4	1.4	6	30	12	40 < 1	< 1	
< 0.05	< 1	6	2.7	29	33	22	90	3	2
< 0.05	< 1	< 0.1	0.5	11	14	21	560	4 < 1	
< 0.05	< 1	0.4	0.4	19	20	6	80	4	2
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< 0.05	< 1	6.1	0.9	21	20	8	80 < 1	< 1	
< 0.05	< 1	10.7	1.3	12	22	13	50	1 < 1	
< 0.05	< 1	10.7	1.6	17	15	26	40	2 < 1	
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< 0.05	< 1	0.4	0.8	9	12	20	70	6 < 1	
< 0.05	< 1	7.7	1	100	38	19	70	5 < 1	
< 0.05	< 1	9.4	1.8	21	25	30	50 < 1	< 1	

< 0.05	< 1	14.9	1.4	12	31	39	20	< 1	< 1
< 0.05	< 1	6.1	2.5	9	24	41	40	2	< 1
< 0.05	< 1	4.5	3.8	6	23	35	20	< 1	< 1
< 0.05	< 1	10.5	9.6	6	45	54	50	2	< 1
< 0.05	< 1	7.8	1.3	26	26	15	90	< 1	< 1
< 0.05	< 1	17.3	1.7	12	23	21	100	< 1	< 1
< 0.05	< 1	9.4	1.3	81	25	24	170	4	< 1
< 0.05	< 1	11.6	1.5	27	23	23	100	2	< 1
< 0.05	< 1	20.9	4.9	12	47	37	50	2	< 1

< 0.05	< 1	5.9	0.9	11	23	15	70	2	< 1
< 0.05	< 1	16.5	1.6	9	15	24	60	2	< 1
< 0.05	< 1	17.8	2.9	47	22	15	80	1	< 1
< 0.05	< 1	19	2	18	22	29	90	2	< 1
< 0.05	< 1	10.1	1	8	20	24	50	2	< 1
< 0.05	< 1	9.1	1.1	20	25	21	60	3	< 1
< 0.05	< 1	9.7	1.3	28	29	16	80	1	< 1
< 0.05	< 1	8.3	1.7	11	23	21	70	1	< 1
< 0.05	< 1	9.5	1.1	12	18	26	70	2	< 1
< 0.05	< 1	17.1	1.9	12	50	50	40	4	3
< 0.05	< 1	4.2	3.5	6	38	37	30	2	< 1
< 0.05	< 1	14.4	7.3	10	38	39	40	3	2
< 0.05	< 1	6.1	4.7	7	34	26	30	2	1
< 0.05	< 1	1.1	4.1	5	24	16	30	1	< 1

< 0.05	< 1	6.5	1	23	30	16	90	< 1	< 1
< 0.05	< 1	3.1	0.9	28	37	15	100	4	1

< 0.05	< 1	7.1	1.1	11	38	18	100	< 1	< 1	
< 0.05	< 1	7.2	0.8	41	28	25	120	2	< 1	
< 0.05	< 1	10	1	20	41	22	210	3		1
< 0.05	< 1	3.8	2.9	11	45	48	100	1	< 1	
< 0.05	< 1	1.6	1	15	39	33	80	1	< 1	
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< 0.05	< 1	33.3	15.1	16	89	140	70	9		2
< 0.05	< 1	29.4	15.7	12	49	120	50	7	< 1	

< 0.05	< 1	10.7	1.4	8	27	27	40	1	< 1	
< 0.05	< 1	14.4	5.8	17	42	26	20	2		1
< 0.05	< 1	10.3	13.3	5	37	29	30	3		1
< 0.05	< 1	17.1	7.6	13	55	34	70	2	< 1	
< 0.05	< 1	9.6	7.1	12	41	21	20	< 1	< 1	
< 0.05	< 1	13.8	4.8	13	35	19	30	1	< 1	
< 0.05	< 1	13.5	3.3	8	46	18	30	< 1	< 1	
< 0.05	< 1	25.1	6.2	12	47	32	30	< 1	< 1	
< 0.05	< 1	10.9	3.4	9	33	13	20	< 1	< 1	
< 0.05	< 1	6.4	2.9	5	37	10	20	< 1	< 1	
< 0.05	< 1	8.7	1.2	11	29	12	70	< 1	< 1	
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< 0.05	< 1	9.6	1.4	31	25	17	60	1	< 1	
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< 0.05	< 1	9	1.3	25	37	22	60	< 1	< 1	
< 0.05	< 1	16.6	4.3	24	43	36	40	1	< 1	
< 0.05	< 1	3.4	2	7	25	10	90	< 1	< 1	
< 0.05	< 1	9.9	1.1	8	15	15	60	1	< 1	
< 0.05	< 1	11.8	1.2	18	21	23	150	3	< 1	
< 0.05	< 1	13.2	1.9	44	55	26	110	2	< 1	
< 0.05	< 1	9.6	1.2	17	25	17	70	2		1
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< 0.05	< 1	0.6	0.3	3	10	5	60	1	< 1	
< 0.05	< 1	1.9	0.8	12	23	18	100	1		1
< 0.05	< 1	1	0.4	6	22	14	90	< 1	< 1	
< 0.05	< 1	1.1	0.7	9	17	8	60	1	< 1	
< 0.05	< 1	1.5	1	6	20	12	60	2	< 1	
< 0.05	< 1	2.5	11.3	14	39	24	60	1	< 1	
< 0.05	< 1	14.3	10.4	4	49	34	40	2		1
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< 0.05	< 1	5.3	1.1	14	21	13	120	2	< 1	
< 0.05	< 1	8.4	1.2	18	33	15	50	1	< 1	
< 0.05	< 1	8.4	1.1	16	19	15	70	4	< 1	

< 0.05	< 1	10.1	1.2	12	20	13	80	2 < 1	
< 0.05	< 1	5.4	0.9	15	19	11	70 < 1	< 1	
< 0.05	< 1	4.5	1.6	20	41	41	60 < 1	< 1	
< 0.05	< 1	1.3	0.7	24	23	6	120	2	3
< 0.05	< 1	6.4	2.3	25	48	26	150	3	4
< 0.05	< 1	3.5	1.3	34	26	18	230	7	2
< 0.05	< 1	6.1	1	17	18	14	70	2 < 1	
< 0.05	< 1	3.2	0.5	9	19	9	90	7	1
< 0.05	< 1	10.6	1.1	75	28	43	80	3 < 1	
< 0.05	< 1	3.8	1	10	21	14	90	4	1
< 0.05	< 1	8.3	2.4	54	52	21	100 < 1	< 1	
< 0.05	< 1	10.1	2.7	12	29	28	70	3 < 1	
< 0.05	< 1	6.4	3.4	9	24	28	40	3	1
< 0.05	< 1	14.8	31.7	9	67	91	80	3 < 1	

< 0.05	< 1	6.8	1.2	66	24	14	90	1 < 1	
< 0.05	< 1	12	1.9	39	37	19	60	1 < 1	
< 0.05	< 1	19.6	3.1	18	25	26	80	2 < 1	
< 0.05	< 1	12.2	2.6	53	42	31	180	3	1
< 0.05	< 1	20	12.4	11	37	26	80	2	1
< 0.05	< 1	33.3	4.9	21	40	35	50	2	1
< 0.05	< 1	32.2	14.9	10	36	29	60	3	2
< 0.05	< 1	25.9	7.6	15	23	23	50	1 < 1	
< 0.05	< 1	10.1	4.6	9	18	14	20	1 < 1	
< 0.05	< 1	27.1	6.7	7	37	41	80	2	2
< 0.05	< 1	8.5	0.9	19	440	12	60	1 < 1	
< 0.05	< 1	7.4	1.1	24	20	11	50	2 < 1	
< 0.05	< 1	6.9	1.2	17	21	11	70	1 < 1	
< 0.05	< 1	9.1	1.2	27	19	12	100	2 < 1	
< 0.05	< 1	6.7	0.8	10	15	9	30 < 1	< 1	
< 0.05	< 1	4.4	0.7	11	21	6	50	2 < 1	
< 0.05	< 1	2.1	1.1	16	22	9	50	4 < 1	
< 0.05	< 1	7.7	1.1	7	12	13	50	2 < 1	
< 0.05	< 1	8.3	1.6	24	20	13	70	2 < 1	
< 0.05	< 1	8.2	1.6	17	28	14	60	1	1
< 0.05	< 1	5.1	0.6	10	14	12	80 < 1	< 1	
< 0.05	< 1	4	0.6	10	14	11	40 < 1	< 1	
< 0.05	< 1	8	0.9	14	21	19	70	1 < 1	
< 0.05	< 1	2.6	0.6	13	16	12	80	1 < 1	
< 0.05	< 1	< 0.1	0.7	14	11	5	60	1	1
< 0.05	< 1	< 0.1	0.3	12	16 < 3		100	1 < 1	
< 0.05	< 1	8.2	0.9	19	19	16	50	2 < 1	
< 0.05	< 1	1.3	0.9	63	37	8	120	2	2

< 0.05	< 1	2.3	1	21	25	11	90	2	2
< 0.05	< 1	0.5	0.8	24	34	7	90	2	3
< 0.05	< 1	3	0.8	21	34	26	360	3	4
< 0.05	< 1	2.2	4.2	33	21	61	70	1	1
< 0.05	< 1	< 0.1	0.7	18	14	16	80	7 < 1	

Ge_ppb	Ag_ppb	Cd_ppb	In_ppb	Sn_ppb	Tl_ppb	Bi_ppb	Ti_ppb	Cr_ppb	Y_ppb
3	0.3	1.2	< 0.1		0.9	0.3	< 0.8	1700	40	36.3
1.4	< 0.2	0.7	< 0.1	< 0.8		0.2	< 0.8	1000	30	16.1
6.1	0.4	2	0.1	3		0.9	0.9	5300	180	46.1
3.7	< 0.2	1.3	< 0.1		1	0.3	< 0.8	1500	40	17.7
2.6	0.3	1.5	< 0.1		0.9	0.3	< 0.8	1500	40	31.9
0.7	< 0.2	1.2	< 0.1	< 0.8	< 0.1	< 0.8		900	< 20	7.5
< 0.5	< 0.2	0.5	< 0.1	< 0.8		0.1	< 0.8	800	< 20	16
0.6	< 0.2	1.2	< 0.1	< 0.8		0.1	< 0.8	900	< 20	8.1
2.5	< 0.2	1	< 0.1	< 0.8		0.3	< 0.8	1200	30	11.5
0.7	< 0.2	1.6	< 0.1	< 0.8		0.2	< 0.8	900	20	15.1
0.9	< 0.2	1.2	< 0.1	< 0.8		0.1	< 0.8	900	< 20	13.3
1.5	< 0.2	0.9	< 0.1	< 0.8	< 0.1	< 0.8		800	20	18.8
< 0.5	< 0.2	1.5	< 0.1	< 0.8		0.1	< 0.8	1200	< 20	11
< 0.5	< 0.2	1	< 0.1	< 0.8		0.2	< 0.8	800	< 20	15.7
< 0.5	< 0.2	1	< 0.1	< 0.8		0.1	< 0.8	500	< 20	15
1.1	< 0.2	0.8	< 0.1	< 0.8		0.1	< 0.8	900	< 20	20.5
0.6	< 0.2	0.8	< 0.1	< 0.8	< 0.1	< 0.8		600	< 20	7.7
< 0.5	< 0.2	0.3	< 0.1	< 0.8	< 0.1	< 0.8		800	< 20	6.8
< 0.5	< 0.2	0.7	< 0.1	< 0.8	< 0.1	< 0.8		800	< 20	5.4
0.8	< 0.2	1.3	< 0.1	< 0.8	< 0.1	< 0.8		900	< 20	5.6
1.7	< 0.2	0.8	< 0.1	< 0.8		0.2	< 0.8	900	30	17.2
0.6	< 0.2	0.6	< 0.1	< 0.8		0.2	< 0.8	600	20	10.3
< 0.5	< 0.2	1.4	< 0.1	< 0.8		0.2	< 0.8	800	< 20	20.7
< 0.5	< 0.2	1.6	< 0.1	< 0.8	< 0.1	< 0.8		900	< 20	8
< 0.5	< 0.2	1.7	< 0.1	< 0.8		0.1	< 0.8	600	< 20	4.8
1.5	< 0.2	2.1	< 0.1	< 0.8	< 0.1	< 0.8		600	< 20	11.3
3.9	< 0.2	1	0.1	1.8		0.7	< 0.8	3300	130	23
4.9	< 0.2	0.7	< 0.1		1.8	0.6	< 0.8	2900	120	24.6
1.9	< 0.2	0.8	< 0.1	< 0.8		0.1	< 0.8	400	30	61.6
< 0.5	< 0.2	0.9	< 0.1	< 0.8		0.2	< 0.8	900	40	36.2
3.2	0.2	0.6	< 0.1		1.6	0.4	< 0.8	2600	80	15.6
< 0.5	1.8	0.4	< 0.1	< 0.8		0.4	< 0.8	200	< 20	1.9
< 0.5	< 0.2	0.6	< 0.1	< 0.8		0.1	< 0.8	800	< 20	7.3
1.3	< 0.2	1.4	< 0.1	< 0.8		0.2	< 0.8	1800	40	55.6
< 0.5	< 0.2	1.5	< 0.1	< 0.8	< 0.1	< 0.8		700	< 20	8.4
< 0.5	< 0.2	0.7	< 0.1	< 0.8	< 0.1	< 0.8		900	20	15.4
< 0.5	< 0.2	0.8	< 0.1	< 0.8	< 0.1	< 0.8		400	< 20	11.8
0.8	< 0.2	1	< 0.1	< 0.8		0.2	< 0.8	1100	< 20	7
< 0.5	< 0.2	1.4	< 0.1	< 0.8		0.1	< 0.8	1500	< 20	6.5
< 0.5	< 0.2	0.3	< 0.1	< 0.8	< 0.1	< 0.8		600	< 20	8.7
< 0.5	< 0.2	1	< 0.1	< 0.8		0.2	< 0.8	1700	20	20.3

	2.7	< 0.2	0.5	< 0.1	0.9	0.3	< 0.8	1700	50	22.5
	3.4	0.3	0.5	< 0.1	1.2	0.5	< 0.8	2200	70	37.8
< 0.5		< 0.2	0.8	< 0.1	< 0.8		0.1	< 0.8	1100 < 20	9
	0.7	< 0.2	1.9	< 0.1	< 0.8		0.3	< 0.8	1700 < 20	9.3
	1.2	< 0.2	3.4	< 0.1	< 0.8		0.2	< 0.8	900 < 20	7
	1.2	< 0.2	1.2	< 0.1	< 0.8		0.1	< 0.8	1100 < 20	7.8
	1.2	< 0.2	0.7	< 0.1	< 0.8		0.1	< 0.8	1100 < 20	4.6
< 0.5		< 0.2	1.1	< 0.1	< 0.8		0.2	< 0.8	1500	30	8.9
< 0.5		< 0.2	0.6	< 0.1	< 0.8	< 0.1		< 0.8	600 < 20	1.6
< 0.5		< 0.2	1.1	< 0.1	< 0.8		0.1	< 0.8	600 < 20	2.5
	1.6	< 0.2	0.5	< 0.1	< 0.8	< 0.1		< 0.8	1000	20	15.7
	2.1	< 0.2	0.5	< 0.1	< 0.8		0.2	< 0.8	800	30	26.6
< 0.5		< 0.2	1.1	< 0.1	< 0.8		0.1	< 0.8	900	20	14.6
< 0.5		< 0.2	0.7	< 0.1	< 0.8		0.1	< 0.8	900 < 20	30.9
	1.3	< 0.2	0.7	< 0.1	< 0.8	< 0.1		< 0.8	800 < 20	22.7
	2.6	< 0.2	0.7	< 0.1	< 0.8		0.2	< 0.8	1200	30	29.2
	0.8	< 0.2	1	< 0.1	< 0.8		0.9	< 0.8	500 < 20	2
	0.6	< 0.2	1.9	< 0.1	< 0.8		0.5	< 0.8	400 < 20	0.9
	0.7	< 0.2	0.7	< 0.1	< 0.8		0.3	< 0.8	1600 < 20	2.8
	0.7	< 0.2	1.2	< 0.1	< 0.8		0.1	< 0.8	2200 < 20	1
	1.5	< 0.2	0.6	< 0.1	< 0.8		0.5	< 0.8	1300	30	8.5
	1.9	< 0.2	1.3	< 0.1	< 0.8		0.1	< 0.8	1800	20	3
< 0.5		< 0.2	0.3	< 0.1	< 0.8		0.2	< 0.8	1100 < 20	4.2
< 0.5		< 0.2	1	< 0.1	< 0.8	< 0.1		< 0.8	1100 < 20	6.6
	0.6	< 0.2	0.5	< 0.1	< 0.8		0.2	< 0.8	800 < 20	6.4
	0.8	< 0.2	0.8	< 0.1	< 0.8		0.2	< 0.8	1300 < 20	10.3
	0.7	< 0.2	1.1	< 0.1	< 0.8		0.5	< 0.8	400 < 20	3.6
< 0.5		< 0.2	1.2	< 0.1	< 0.8		0.2	< 0.8	1100 < 20	1.4
	0.8	< 0.2	0.6	< 0.1	< 0.8		0.3	< 0.8	1300	20	8.5
	0.8	< 0.2	0.3	< 0.1	< 0.8		0.1	< 0.8	900 < 20	9
< 0.5		< 0.2	0.9	< 0.1	< 0.8		0.1	< 0.8	1000 < 20	8.9
	0.9	< 0.2	0.5	< 0.1	< 0.8	< 0.1		< 0.8	800 < 20	4.9

< 0.5		< 0.2		1.4	< 0.1	< 0.8		0.1	< 0.8	1000	< 20		10.7
	0.5	< 0.2		1	< 0.1	< 0.8		0.2	< 0.8	900	< 20		9.3
	1.6	< 0.2		1	< 0.1	< 0.8		0.2	< 0.8	800		20	21.6
	1.2	< 0.2		0.7	< 0.1	< 0.8		0.1	< 0.8	1100	< 20		13
	1	< 0.2		0.9	< 0.1	< 0.8		0.1	< 0.8	800	< 20		10.1
	1.9	< 0.2		0.6	< 0.1	< 0.8		0.2	< 0.8	1100		30	24.8
< 0.5		< 0.2		0.8	< 0.1	< 0.8	< 0.1		< 0.8	600	< 20		13.5
	1.8	< 0.2		0.6	< 0.1	< 0.8		0.1	< 0.8	900	< 20		18.8
	1.4	< 0.2		0.5	< 0.1	< 0.8		0.2	< 0.8	700		20	33
	1.1	< 0.2		2.1	< 0.1	< 0.8		0.3	< 0.8	1000	< 20		4
	0.8	< 0.2		1.2	< 0.1	< 0.8		0.4	< 0.8	900		20	8.9
< 0.5		< 0.2		0.6	< 0.1	< 0.8		0.1	< 0.8	800		20	17.9
< 0.5		< 0.2		0.7	< 0.1	< 0.8	< 0.1		< 0.8	800	< 20		4.2
< 0.5		< 0.2		0.9	< 0.1	< 0.8	< 0.1		< 0.8	1200	< 20		4.2
< 0.5		< 0.2		1.7	< 0.1	< 0.8	< 0.1		< 0.8	800	< 20		2
< 0.5		< 0.2		2.8	< 0.1	< 0.8	< 0.1		< 0.8	1300	< 20		1.3
	1.5	< 0.2		1.4	< 0.1	< 0.8		0.2	< 0.8	2100		30	7.8
< 0.5		< 0.2		0.8	< 0.1	< 0.8		0.2	< 0.8	1200	< 20		14.6
< 0.5		< 0.2		0.6	< 0.1	< 0.8		0.2	< 0.8	700	< 20		10.1
< 0.5		< 0.2		0.3	< 0.1	< 0.8		0.2	< 0.8	1000	< 20		10.7
	0.6	< 0.2		1.5	< 0.1	< 0.8		0.5	< 0.8	1600	< 20		10.6
	1	< 0.2		4.2	< 0.1	< 0.8		0.3	< 0.8	300	< 20		1.9
< 0.5		< 0.2		2.1	< 0.1	< 0.8	< 0.1		< 0.8	1100	< 20		2.1
	2.3	< 0.2		0.6	< 0.1	< 0.8		0.2	< 0.8	800	< 20		9.9
	0.9	< 0.2		0.6	< 0.1	< 0.8		0.3	< 0.8	800	< 20		6.8
< 0.5		< 0.2		0.9	< 0.1	< 0.8		0.3	< 0.8	800	< 20		5.3
	0.8	< 0.2		0.5	< 0.1	< 0.8		0.1	< 0.8	700	< 20		13.4
	1.4	< 0.2		0.4	< 0.1	< 0.8		0.1	< 0.8	600		20	21.3
	1.5	< 0.2		0.6	< 0.1	< 0.8		0.2	< 0.8	900	< 20		6.9
	1.5		0.2	1.3	< 0.1	< 0.8		0.2	< 0.8	1800		50	50.7
< 0.5		< 0.2		1	< 0.1	< 0.8		0.4	< 0.8	200	< 20		2.7
	0.9	< 0.2		0.7	< 0.1	< 0.8		0.4	< 0.8	1600	< 20		6.6
< 0.5		< 0.2		0.5	< 0.1	< 0.8	< 0.1		< 0.8	900	< 20		14.5

< 0.5		< 0.2		0.5	< 0.1	< 0.8		0.1	< 0.8	500 < 20	36.5
	0.9	< 0.2		0.8	< 0.1	< 0.8		0.1	< 0.8	400 < 20	12.2
< 0.5		< 0.2		0.5	< 0.1	< 0.8		0.1	< 0.8	400 < 20	5.4
	1.2	< 0.2		0.6	< 0.1	< 0.8		0.1	< 0.8	700	20	12.8
< 0.5		< 0.2		1.3	< 0.1	< 0.8		0.2	< 0.8	1100 < 20	10.6
	0.7	< 0.2		1.1	< 0.1	< 0.8		0.2	< 0.8	1300 < 20	10
	1.2	< 0.2		1.6	< 0.1	< 0.8		0.1	< 0.8	1600 < 20	7.4
	0.7	< 0.2		1	< 0.1	< 0.8		0.1	< 0.8	1100 < 20	9.9
	1.4	< 0.2		0.7	< 0.1	< 0.8	< 0.1		< 0.8	1100	30	28.6

< 0.5		< 0.2		0.8	< 0.1	< 0.8		0.2	< 0.8	700 < 20	8.1
< 0.5		< 0.2		0.7	< 0.1	< 0.8	< 0.1		< 0.8	1100 < 20	13.4
< 0.5		< 0.2		1.1	< 0.1	< 0.8		0.1	< 0.8	800 < 20	12.6
< 0.5		< 0.2		1.5	< 0.1	< 0.8		0.2	< 0.8	1500	20	9.9
	0.7	< 0.2		0.5	< 0.1	< 0.8		0.2	< 0.8	1200 < 20	10.3
	0.5	< 0.2		0.5	< 0.1	< 0.8		0.2	< 0.8	1300 < 20	10.8
	1.6	< 0.2		1.1	< 0.1	< 0.8		0.1	< 0.8	1100 < 20	7.6
	0.6	< 0.2		0.9	< 0.1	< 0.8		0.1	< 0.8	1000 < 20	8
< 0.5		< 0.2		1.1	< 0.1	< 0.8		0.1	< 0.8	1100 < 20	11.7
< 0.5			0.3	0.8	< 0.1	< 0.8		0.2	< 0.8	900	30	33.9
< 0.5			0.4	0.8	< 0.1	< 0.8		0.2	< 0.8	400 < 20	8.7
	2.6	< 0.2		0.5	< 0.1	< 0.8		0.1	< 0.8	700	20	16.8
< 0.5		< 0.2		0.6	< 0.1	< 0.8		0.2	< 0.8	600 < 20	6.2
	1.4	< 0.2		0.8	< 0.1	< 0.8		0.2	< 0.8	200 < 20	1.7

< 0.5		< 0.2		0.8	< 0.1	< 0.8		0.2	< 0.8	1100 < 20	7.8
	0.6	< 0.2		1.8	< 0.1	< 0.8		0.1	< 0.8	900 < 20	7.8

	0.6	< 0.2		1	< 0.1	< 0.8		0.1	< 0.8		1200	< 20		8.4
	1.6	< 0.2		2.3	< 0.1	< 0.8	< 0.1		< 0.8		1600	< 20		4.9
	1.4	< 0.2		3.1	< 0.1	< 0.8		0.1	< 0.8		1900		20	4
	2.9	< 0.2		1	< 0.1	< 0.8		0.6	< 0.8		1500	< 20		8.7
	2.6	< 0.2		0.6	< 0.1	< 0.8		0.5	< 0.8		600	< 20		4.8
	1.7		0.3	1.6	< 0.1		1.5	0.5		1.1	2900		110	48
	0.8	< 0.2		1.2	< 0.1	< 0.8		0.2	< 0.8		1300		50	34.9
	2.3	< 0.2		1.1	< 0.1	< 0.8		0.2	< 0.8		1000		40	36.2

< 0.5		< 0.2		0.7	< 0.1	< 0.8		0.2	< 0.8		1200	< 20		10.5
	1.1	< 0.2		0.5	< 0.1	< 0.8		0.1	< 0.8		600		20	22.9
	1.3	< 0.2		0.6	< 0.1	< 0.8	< 0.1		< 0.8		500		20	15.4
< 0.5		< 0.2		1	< 0.1	< 0.8	< 0.1		< 0.8		500		20	34.3
	0.7	< 0.2		1	< 0.1	< 0.8		0.1	< 0.8		400	< 20		31.1
< 0.5		< 0.2		0.8	< 0.1	< 0.8	< 0.1		< 0.8		600	< 20		19.8
	1.1	< 0.2		1	< 0.1	< 0.8		0.1	< 0.8		700	< 20		22.7
	0.7	< 0.2		0.5	< 0.1	< 0.8	< 0.1		< 0.8		800	< 20		36.3
< 0.5		< 0.2		0.5	< 0.1	< 0.8	< 0.1		< 0.8		400	< 20		13.8
< 0.5		< 0.2		0.7	< 0.1	< 0.8	< 0.1		< 0.8		300	< 20		13.7
< 0.5		< 0.2		0.7	< 0.1	< 0.8		0.1	< 0.8		900	< 20		7.4
< 0.5		< 0.2		0.9	< 0.1	< 0.8	< 0.1		< 0.8		900	< 20		8.3
	1	< 0.2		1.8	< 0.1	< 0.8		0.2	< 0.8		1200	< 20		7.3
< 0.5		< 0.2		1.1	< 0.1	< 0.8		0.2	< 0.8		1000	< 20		7.8
< 0.5		< 0.2		0.5	< 0.1	< 0.8		0.1	< 0.8		900	< 20		6.5
	1.1	< 0.2		1.2	< 0.1	< 0.8		0.1	< 0.8		900	< 20		16.9
	0.8	< 0.2		0.8	< 0.1	< 0.8		0.1	< 0.8		900	< 20		26.3
< 0.5		< 0.2		0.7	< 0.1	< 0.8	< 0.1		< 0.8		200	< 20		6.7
< 0.5		< 0.2		0.6	< 0.1	< 0.8		0.2	< 0.8		900	< 20		7.7
	1.1	< 0.2		2.1	< 0.1	< 0.8		0.2	< 0.8		900	< 20		6.8
< 0.5		< 0.2		1.5	< 0.1	< 0.8		0.1	< 0.8		1000	< 20		16.8
< 0.5		< 0.2		0.6	< 0.1	< 0.8		0.2	< 0.8		1100		30	5.7
	1.8	< 0.2		0.8	< 0.1	< 0.8		0.2	< 0.8		1200		30	11.2
< 0.5		< 0.2		0.6	< 0.1	< 0.8		0.2	< 0.8		300	< 20		0.6
	0.9	< 0.2		0.9	< 0.1	< 0.8		0.3	< 0.8		1400	< 20		3
	1.4	< 0.2		0.5	< 0.1	< 0.8		0.2	< 0.8		200	< 20		1.5
	1.5	< 0.2		0.3	< 0.1	< 0.8		0.3	< 0.8		500	< 20		1.1
	0.6	< 0.2		0.3	< 0.1	< 0.8		0.3	< 0.8		200	< 20		1.1
	1.2	< 0.2		0.9	< 0.1	< 0.8		0.4	< 0.8		500	< 20		5.6
	1.4	< 0.2		0.8	< 0.1	< 0.8	< 0.1		< 0.8		1200		20	22.7
< 0.5		< 0.2		1.3	< 0.1	< 0.8	< 0.1		< 0.8		1300		20	14.7
< 0.5		< 0.2		1.5	< 0.1	< 0.8		0.2	< 0.8		900	< 20		4.3
< 0.5		< 0.2		1	< 0.1	< 0.8	< 0.1		< 0.8		1200	< 20		5.8
< 0.5		< 0.2		0.8	< 0.1	< 0.8		0.1	< 0.8		900	< 20		4.2

< 0.5	< 0.2		1.3	< 0.1	< 0.8	< 0.1	< 0.8	1100	< 20		3.7
	0.8	< 0.2		1.2	< 0.1	< 0.8		0.1	< 0.8	800	< 20		3.9
	0.8	< 0.2		0.8	< 0.1	< 0.8		0.4	< 0.8	800	< 20		9.4
	0.7	< 0.2		1.8	< 0.1	< 0.8		0.3	< 0.8	700	< 20		2.5
	1.7	< 0.2		1.5	< 0.1	< 0.8		0.5	< 0.8	2000		30	8.8
< 0.5	< 0.2		2.4	< 0.1	< 0.8		0.3	< 0.8	800	< 20		7.5
	0.5	< 0.2		1	< 0.1	< 0.8		0.2	< 0.8	800	< 20		7.3
< 0.5	< 0.2		1.6	< 0.1	< 0.8		0.1	< 0.8	900	< 20		2.1
< 0.5	< 0.2		1.5	< 0.1	< 0.8	< 0.1	< 0.8	1600	< 20		12.8
< 0.5	< 0.2		1.1	< 0.1	< 0.8	< 0.1	< 0.8	1900	< 20		3.6
< 0.5	< 0.2		1.4	< 0.1	< 0.8		0.1	< 0.8	900	< 20		16.2
< 0.5	< 0.2		1.4	< 0.1	< 0.8	< 0.1	< 0.8	1200		20	9.8
	1	< 0.2		1.1	< 0.1	< 0.8		0.9	< 0.8	1200	< 20		14
	0.8	< 0.2		0.9	< 0.1	< 0.8		0.2	< 0.8	900		30	28.3

	0.5	< 0.2		1.3	< 0.1	< 0.8		0.1	< 0.8	1200	< 20		3.4
< 0.5	< 0.2		0.7	< 0.1	< 0.8		0.1	< 0.8	1200	< 20		10.2
< 0.5	< 0.2		0.8	< 0.1	< 0.8		0.1	< 0.8	1000	< 20		19.9
< 0.5	< 0.2		0.7	< 0.1	< 0.8		0.1	< 0.8	600	< 20		15.7
< 0.5	< 0.2		0.8	< 0.1	< 0.8		0.1	< 0.8	600		20	30.4
	0.8	< 0.2		0.9	< 0.1	< 0.8		0.1	< 0.8	700	< 20		28.5
< 0.5	< 0.2		0.4	< 0.1	< 0.8		0.1	< 0.8	800		20	24.6
< 0.5	< 0.2		1	< 0.1	< 0.8	< 0.1	< 0.8	500	< 20		25.6
	0.6	< 0.2		0.6	< 0.1	< 0.8		0.1	< 0.8	400	< 20		6.9
	1.7	< 0.2		0.5	< 0.1	< 0.8	< 0.1	< 0.8	700	< 20		30.8
	0.7	< 0.2		4.8	< 0.1	< 0.8	< 0.1	< 0.8	1000	< 20		6.8
< 0.5	< 0.2		1	< 0.1	< 0.8	< 0.1	< 0.8	800	< 20		4.7
< 0.5	< 0.2		0.9	< 0.1	< 0.8		0.1	< 0.8	700	< 20		6.2
< 0.5	< 0.2		1.2	< 0.1	< 0.8	< 0.1	< 0.8	700	< 20		6.7
< 0.5	< 0.2	< 0.2		< 0.1	< 0.8	< 0.1	< 0.8	600	< 20		5.1
	0.9	< 0.2		0.9	< 0.1	< 0.8	< 0.1	< 0.8	800	< 20		2.6
	0.6	< 0.2		0.7	< 0.1	< 0.8		0.3	< 0.8	500	< 20		4.4
< 0.5	< 0.2		0.7	< 0.1	< 0.8		0.1	< 0.8	900	< 20		11.6
< 0.5	< 0.2		1	< 0.1	< 0.8	< 0.1	< 0.8	900	< 20		6.6
	0.7	< 0.2		1.2	< 0.1	< 0.8	< 0.1	< 0.8	900	< 20		7.5
< 0.5	< 0.2		0.9	< 0.1	< 0.8	< 0.1	< 0.8	600	< 20		4.9
< 0.5	< 0.2		0.6	< 0.1	< 0.8	< 0.1	< 0.8	800	< 20		4.5
	0.9	< 0.2		0.5	< 0.1	< 0.8		0.1	< 0.8	1200	< 20		5.6
	0.6	< 0.2		0.4	< 0.1	< 0.8		0.5	< 0.8	500	< 20		3
	1	< 0.2		0.3	< 0.1	< 0.8		0.3	< 0.8	600	< 20		3
< 0.5	< 0.2		0.9	< 0.1	< 0.8	< 0.1	< 0.8	1500	< 20	< 0.5			
	0.6	< 0.2		0.6	< 0.1	< 0.8		0.3	< 0.8	1200	< 20		4.5
< 0.5	< 0.2		1.8	< 0.1	< 0.8		0.5	< 0.8	700	< 20			3.4

	1.4 < 0.2	1 < 0.1	< 0.8	0.2 < 0.8	800 < 20	3.1
	1 < 0.2	0.3 < 0.1	< 0.8	0.4 < 0.8	900 < 20	3.1
	2.7 < 0.2	1.9 < 0.1	< 0.8	0.2 < 0.8	2300 < 20	1.5
	0.7 < 0.2	0.4 < 0.1	< 0.8	1.2 < 0.8	600 < 20	28.2
< 0.5	< 0.2	1 < 0.1	< 0.8	0.5 < 0.8	100 < 20	3.4

Zr_ppb	Nb_ppb	Hf_ppb	Ta_ppb	La_ppb	Ce_ppb	Pr_ppb	Nd_ppb	Sm_ppb	Eu_ppb
202	9	4.6	0.4	52.8	149	16	62.7	12.4	2.4
99	5	2.4	0.4	33.3	58.5	8.3	29.9	5.4	1.1
268	21	7.1	1.5	120	239	28	99.4	16.6	3.2
108	8	2.6	0.5	44.2	85.5	9.5	35	5.5	1.2
151	7	3	0.5	61.8	84.2	15.1	61.2	10.3	2.1
70	5	2.2	0.1	13.4	31.7	4.1	16.4	3	0.6
71	5	1.5	< 0.1	17.6	38.1	7.7	34.6	7.1	1.4
72	4	2.2	0.1	17	49.2	5.2	19.9	3.5	0.8
82	4	2.6	0.1	22.1	61.7	7	27.1	5.1	1.1
89	3	2.5	< 0.1	30.6	86.3	10.6	42	7.9	1.5
68	4	2	0.1	22.9	45.4	7.9	31.7	5.8	1.3
91	4	2.4	0.1	35.2	79.6	11	43.6	8	1.6
119	7	3.1	0.2	24.2	71.3	7.8	30.2	5.6	1.2
73	4	2.2	0.1	29.5	71.2	9.4	36.8	6.3	1.2
74	3	1.8	< 0.1	21.5	55.5	8.2	33.9	6.7	1.2
116	5	3	0.2	32.6	78.2	11.2	46.9	8.4	1.7
41	3	1.4	0.1	12.3	34.6	4.3	17.4	3.2	0.7
32	3	1.1	< 0.1	11.6	33	4.2	16.9	3.3	0.7
56	4	1.7	0.1	10.2	25.6	3.3	13	2.4	0.6
39	4	1.3	0.1	10.4	25.7	3	12.7	2.3	0.5
68	4	1.7	0.3	35.6	50.6	9.1	35.5	5.8	1.2
58	3	1.5	0.2	20.3	29.9	5.2	20.4	3.5	0.7
59	5	1.5	0.2	42.4	92.8	10.6	42.4	7.1	1.5
43	4	1.4	< 0.1	16.2	45.4	5	19.1	3.8	0.8
45	3	1.5	< 0.1	9.9	25.6	3	12.5	2.4	0.5
38	3	1.2	< 0.1	20.4	44	6.3	24.7	5	1
132	13	4.5	0.9	49.9	125	13.5	53.1	9.1	1.9
109	11	4	0.7	54	117	14.9	56.1	10.1	1.8
81	3	2.1	0.2	123	131	33.8	134	22.7	4.1
103	4	2.8	0.3	66.2	95.4	19.5	73.3	13.4	2.5
109	11	3.1	0.8	35.8	62.9	7.8	29.3	5.5	1
10	1	0.4	< 0.1	3	5.3	0.7	2.8	0.4	0.2
64	4	2.1	0.1	12.9	30.3	3.9	15	3.1	0.7
162	9	4.1	0.5	86.5	182	26.3	106	18.8	3.8
44	4	1.4	0.2	16.3	37.9	4.6	17.9	3.2	0.6
103	5	3	0.2	25.2	66	8.3	33.7	6.2	1.3
50	2	1.5	0.1	23.8	47.4	6.5	25.3	4.5	0.9
55	4	1.5	0.1	14.9	46.3	4.5	17.4	2.9	0.7
69	7	2	0.1	12.2	62.3	4.6	17.5	3.2	0.7
46	3	1.1	0.1	13.2	28.5	4.4	17.2	3.3	0.7
100	6	2.8	0.2	34	85.9	11.7	47.7	8.9	1.6

120	7	2.9	0.5	47.5	110	12.1	45.4	7.7	1.5
176	9	4.9	0.6	79.9	96.8	20.4	77.8	13.6	2.5
71	4	2.1	< 0.1	15.6	36.5	4.9	19.6	3.4	0.9
91	6	2.6	0.1	16.1	40	5.2	20.9	3.6	0.8
51	4	1.6	0.1	14.3	37.6	4.2	16.2	3.1	0.7
58	5	2	0.1	16.1	42.3	4.9	19.7	3.4	0.7
73	5	2.2	0.1	9.5	29.6	3.1	13	2.4	0.5
74	6	2.1	0.2	18.8	62.5	6.5	28.2	4.5	0.9
5	1	0.2	< 0.1	3.3	8.1	0.9	3.6	0.7	0.2
26	2	0.8	< 0.1	4.1	14.9	1.2	5.2	1	0.2
70	5	2	0.2	30.6	106	11.6	50.2	8.8	1.7
94	4	2.5	0.3	53.2	58.8	13.7	56.9	8.9	1.6
47	3	1.4	0.1	23.5	54.1	7.3	30.5	5.5	1
137	5	3.3	0.2	37.5	69.2	14.4	62.9	11.4	2.2
86	4	1.8	0.2	37	74.7	11.7	50	8.1	1.7
123	5	2.8	0.4	51	67	13.7	55.7	9.2	1.8
5	< 1	0.2	< 0.1	3.5	7.5	0.9	4	0.7	0.2
3	< 1	0.1	< 0.1	1.4	2.9	0.3	1.5	0.3	0.1
8	2	0.2	0.1	4.2	8.8	1.1	4.3	0.7	0.3
4	3	0.2	0.1	1.1	2.7	0.3	1.6	0.2	0.1
46	3	1.4	0.1	16.7	48.6	5.2	20.6	4	0.8
29	5	1	0.2	5.2	15.7	1.6	6.5	1.3	0.3
38	4	1.3	0.1	8.7	24.3	2.4	10	1.6	0.4
51	4	1.6	< 0.1	11.1	34.1	3.8	16.6	3	0.6
24	3	0.8	< 0.1	8.9	28.5	3.3	14.8	3.1	0.6
83	5	2.5	< 0.1	16.8	50.8	5.5	23.8	4.3	0.9
9	< 1	0.3	< 0.1	4.8	11.2	1.5	5.8	1.2	0.4
3	1	0.1	< 0.1	2.6	5.6	0.6	2.6	0.4	0.2
79	5	2.6	0.1	15.2	48.1	4.9	22.1	3.9	0.8
63	4	1.7	0.1	14.3	49.7	5.4	24.2	4	0.9
73	4	2.1	< 0.1	15.4	33.2	4.6	19	3.2	0.7
56	3	1.6	0.1	7.1	20.7	2.4	9.9	2	0.4

78	4	2.4	0.1	17.2	43.2	5.7	24.4	4.3	1
58	4	1.5	0.1	11.2	34.3	3.9	16.5	2.9	0.7
90	4	2.5	0.2	30.1	55.3	9.5	41.4	7.1	1.4
35	4	0.8	0.2	21	42	5.3	21.7	3.4	0.7
33	3	0.8	0.2	17.7	37	4.7	18.8	3.4	0.7
139	5	3.4	0.4	35.3	69.2	9.4	40.5	7	1.4
78	3	2.1	0.1	15.5	44.9	5.7	25.7	4.9	1
113	5	3	0.3	27	73.3	9.6	43	7.4	1.5
84	3	2.2	0.2	43.6	84.2	15.5	68.3	12.1	2.5
9	2	0.3	0.1	6.6	14	1.8	7.4	1.2	0.4
24	2	0.8	< 0.1	14.4	38.2	4.5	18.6	3.5	0.9
76	4	2	0.3	28.3	61.8	9.3	40.3	6.8	1.3
27	4	1	0.1	7.1	20.3	2.3	9.7	1.5	0.4
40	5	1.4	0.1	7.1	20.3	2.3	10	1.8	0.4
14	2	0.4	0.1	4	10.5	1.1	4.4	0.7	0.2
4	2	0.1	< 0.1	1.4	3.6	0.4	2.1	0.3	0.1
47	6	1.7	0.2	16.1	42.6	4.6	19.1	3.1	0.8
115	7	2.7	0.2	24.7	102	9.7	40.6	7	1.4
50	4	1.2	0.1	13.4	47.9	5.4	24.5	4.3	1
56	4	1.8	< 0.1	18.9	56	6.5	27.9	4.8	1
19	3	0.7	0.1	21.4	48.1	6	26	4.6	0.9
2	< 1	< 0.1	< 0.1	2.9	6.6	0.8	3.6	0.8	0.2
3	2	< 0.1	< 0.1	3.1	7.6	0.9	3.9	0.7	0.2
20	2	0.7	< 0.1	17.4	48.5	5.6	22.8	4.1	0.9
25	3	0.9	< 0.1	11.8	36.2	4	16.4	2.8	0.8
49	3	1.5	< 0.1	8	23.5	2.8	10.7	2.3	0.6
35	3	1	0.2	20.8	65.2	7.7	30.8	5.6	1.3
102	4	2.5	0.3	36.9	68.3	11.3	46	7.9	1.5
44	4	1.2	0.2	11.8	22.7	3.1	12.8	2.5	0.5
246	8	5.9	0.2	95.1	164	31.3	127	22.5	4.4
3	< 1	0.1	< 0.1	6.9	11.9	1.5	5.6	0.9	0.3
50	5	1.3	0.2	12.3	41.7	4.6	18.4	3.3	0.7
86	5	2.3	0.2	20.4	41.6	8.2	34.7	6.6	1.3

88	3	1.8	0.2	64.3	83.8	20	81.6	14.2	2.7
50	3	0.9	0.2	24.4	47.8	7.5	28.4	4.9	0.9
25	3	0.6	0.1	9.5	17.5	2.5	10.3	1.8	0.4
70	4	1.6	0.2	19.3	34.5	5.3	21.6	3.6	0.8
70	5	2	0.1	14	39.8	5.4	22.9	3.8	0.9
122	5	3.3	0.1	17.7	52.2	6	23.9	4.2	0.9
68	6	1.9	0.2	13.1	56.1	4.5	18	3.5	0.7
75	5	2.2	0.1	16	54.4	5.9	24.8	4.8	1
132	5	3.4	0.2	47.1	104	16.1	65.8	11.7	2.4

38	3	1.1 < 0.1		13.7	35.6	4.7	19.6	3.7	0.8
106	5	2.8	0.2	19.7	48.5	7.3	30.6	6	1.2
105	5	2.8	0.2	16.5	55.5	6.2	27.5	5.2	1
121	6	3.4	0.1	20.3	54.8	6.7	27.8	4.9	1
97	5	2.5	0.1	16.6	48.2	6.6	28	5.1	1.1
91	5	2.6	0.1	17	49.4	6.6	27.1	5.2	1.1
76	4	2.2	0.1	12.4	34.3	4	16.5	3.1	0.6
45	4	1.4	0.1	12.6	36.5	4.4	18.4	3.6	0.7
98	5	2.5	0.1	17	39.1	6.2	27.2	4.8	1
97	5	2.1	0.4	58.8	68.6	16.5	66.5	11.9	2.2
22	2	0.6	0.2	13.5	22.4	3.4	13.2	2.3	0.5
81	4	2	0.3	26.4	51.8	7.8	30.6	5.1	1.1
34	3	0.9	0.2	9.9	18.9	2.7	9.8	1.9	0.4
7	1	0.2 < 0.1		2.6	4.4	0.6	2.4	0.4	0.1

83	5	2.2	0.1	9.5	32.7	3.6	15.8	3.1	0.7
17	2	0.5 < 0.1		13.4	30.1	4	16.1	2.9	0.6

62	5	1.7	0.1	13.1	35.7	4	18.1	3.1	0.8
42	5	1.2	0.2	8.5	31.8	2.6	9.9	1.7	0.4
43	6	1.4	0.2	8.8	30.4	2.6	9.6	1.8	0.4
28	5	0.7	0.3	14.4	25.2	3.5	13.9	2.4	0.5
15	3	0.4	0.1	7.2	12.2	1.8	6.6	1.3	0.3
262	16	6.2	0.8	86.7	218	25	98.1	16.9	3.2
171	8	3.8	0.4	61.8	145	16.9	69.1	12.2	2.2
166	7	3.4	0.3	53.5	138	16.6	66.5	12.6	2.5

98	5	2.6	0.1	16.5	49.4	6.1	25	4.9	1.1
121	3	2.8	0.3	37.2	71.9	11.6	47	8.9	1.6
62	3	1.5	0.3	25.9	52.1	7.3	28.3	5.3	1
141	4	2.6	0.3	55	94.2	16.7	67.7	12.2	2.3
88	3	2.2	0.2	52.2	95.4	16.7	66.5	11.6	2.1
122	3	2.9	0.1	26.2	68.2	9.3	40.7	7.9	1.5
103	4	2.6	0.1	32.5	80.9	11.5	48.1	9.5	1.8
190	5	3.6	0.2	54	106	18.9	80.8	15.6	2.8
66	3	1.9	0.1	20.7	51.2	6.9	29.2	5.9	1.1
55	2	1.4	0.2	22.5	49.6	7.2	30.6	5.4	0.9
69	4	1.9	0.1	11.6	42	4.1	17.8	3.5	0.7
82	4	2.5	0.1	13.8	39.4	4.5	18.7	3.4	0.8
72	4	2.1	0.1	13.7	45.8	4.4	18.4	3.6	0.7
72	4	2	0.1	12.9	43.9	4.4	18.6	3.6	0.8
58	4	1.8	0.1	10.8	37	4	17.6	3.6	0.7
88	4	1.9	0.1	20.5	55.3	7.7	33.2	7.3	1.3
132	5	3	0.2	36.8	88.6	13.6	57.9	11.4	2.1
31	< 1	0.7	< 0.1	9.4	22.7	3.3	13.9	2.9	0.6
76	4	2.2	< 0.1	12.9	39.5	4.7	20.8	4.1	0.8
61	3	1.8	< 0.1	13.5	39.9	4	17.4	3.3	0.7
81	4	2.2	0.1	26.9	77.7	8.8	37.6	7.4	1.4
73	4	2	0.2	7.3	25.1	2.4	10.4	2	0.4
74	4	2	0.2	17.7	44.8	5.4	22.3	4.6	0.9
4	1	0.1	< 0.1	1	2.4	0.2	1	0.2	< 0.1
16	4	0.4	0.4	4.6	8.1	1.1	4.6	0.7	0.2
6	2	0.2	< 0.1	2.3	4.1	0.5	2.2	0.3	0.1
8	2	0.3	0.1	1.4	3.3	0.4	1.4	0.3	0.1
9	1	0.3	0.1	1.4	2.9	0.3	1.4	0.3	0.1
20	2	0.5	0.2	7.7	15	2	8.2	1.4	0.3
68	5	1.9	0.3	39.6	99.6	12	50.8	9.3	1.7
87	6	2	0.2	20.8	61.6	7.4	31.2	6.3	1.2
29	3	0.9	< 0.1	7.5	22.5	2.4	10.3	2	0.4
62	5	1.8	0.2	9.7	32.5	3.1	13	2.7	0.6
46	3	1.7	0.1	8	28.4	2.6	11.5	1.9	0.5

46	5	1.4	0.1	6.2	20.9	1.8	7.9	1.7	0.4
34	3	0.9	< 0.1	6.9	27.5	2.2	9.4	2.2	0.4
21	3	0.8	0.1	21.6	63.7	7.8	31.8	5.7	1.2
5	2	0.3	< 0.1	4.6	11.5	1.3	5.7	1.1	0.2
16	5	0.6	0.2	18.1	45.5	4.9	20.5	3.9	0.8
11	2	0.4	0.1	10.1	26	2.9	12.6	2.5	0.4
39	3	1.2	< 0.1	11.2	42.3	4	17.4	3.5	0.6
15	2	0.5	< 0.1	2.9	9.2	0.8	3.6	0.7	0.2
98	7	2.1	0.3	22.8	88.4	7.2	31.2	5.6	1.1
17	5	0.5	0.2	7.1	19.9	2.1	8.9	1.5	0.4
94	5	2.4	0.1	21.9	68	8.1	35.2	6.9	1.3
51	4	1.6	0.2	18.8	52	5.7	23.4	4.3	0.9
21	3	0.6	0.1	34.7	82.3	9.1	36.1	6.6	1.4
107	5	2.4	0.3	51.6	89.3	13.8	55.4	9.9	1.8

38	3	1.1	0.1	6.6	22.5	2	8.2	1.3	0.3
81	4	2.3	0.1	18.4	59	5.6	23.8	4.6	0.9
157	5	3.5	0.1	23.6	67.6	10.3	46	9.8	1.9
94	3	2.1	0.2	22.3	53.8	7	28.8	5.8	1.1
156	3	3.5	0.2	47.5	80.7	13.9	59.3	10.5	2
130	4	2.9	0.1	42	75.5	14	53.9	9.9	1.9
125	4	3.1	0.2	42.4	69	12.7	47.7	8.3	1.8
107	3	2.6	0.2	36.1	78.4	12.5	47.1	8.6	1.9
33	3	0.8	0.2	12	27.4	3.5	13.1	2.5	0.5
133	4	3	0.2	51.1	71.4	15.5	58.4	10.7	2.1
43	4	1.3	0.1	11.6	26.4	3.8	15	3	0.8
33	3	1	0.1	8.8	23.2	2.7	9.8	1.8	0.5
35	3	1.1	0.1	10.6	29.5	3.6	13.2	2.3	0.6
36	3	1.1	0.1	11.3	31.3	3.7	14.4	2.8	0.6
39	3	1	< 0.1	7.8	22.3	2.7	10.2	2	0.5
18	3	0.6	0.1	5	15.7	1.5	5.9	1.2	0.3
8	1	0.3	< 0.1	9.7	27.5	2.3	9.1	1.6	0.5
39	3	1.3	< 0.1	31.5	52.2	11.6	45.9	7.3	1.6
30	3	1.1	0.1	12.1	29.1	3.8	14	2.9	0.6
35	4	1.2	0.1	13.8	37.6	4.3	15.8	2.9	0.7
34	2	0.8	< 0.1	8	24	2.8	10.6	2.1	0.6
38	3	1.1	< 0.1	6.7	17.5	2.3	9.5	1.6	0.5
74	5	2	0.1	10.2	34	3.6	14.7	2.6	0.7
21	2	0.7	< 0.1	7	20.8	1.9	8	1.5	0.4
4	< 1	0.1	< 0.1	4.5	10.6	1.2	5	1	0.2
4	< 1	< 0.1	< 0.1	2.4	5.5	0.6	2.3	0.5	< 0.1
63	5	2	0.1	9.2	27.2	2.9	11.1	2.2	0.6
8	1	0.4	< 0.1	5.3	16.5	1.6	5.7	1.2	0.4

7	2	0.2	0.1	5.5	11.9	1.4	5.7	1.1	0.3
3	1	0.1	< 0.1	6.8	13.3	1.7	6.5	1.3	0.4
10	2	0.3	0.1	3.3	6.9	0.8	3.1	0.5	0.2
15	2	0.7	< 0.1	59.5	141	27.7	112	17.6	3.1
2	< 1	< 0.1	< 0.1	7.8	14.3	1.9	6.6	1.2	0.3

Gd_ppb	Tb_ppb	Dy_ppb	Ho_ppb	Er_ppb	Tm_ppb	Yb_ppb	Lu_ppb	Li_ppb	Be_ppb
11.7	1.4	7.3	1.5	4.2	0.7	4.4	0.7	30	< 2
5.1	0.6	3.1	0.6	1.9	0.3	1.7	0.2	48	< 2
17.1	1.8	9.4	1.7	4.9	0.7	4.6	0.8	152	3
6	0.7	3.7	0.6	1.9	0.3	2	0.3	63	< 2
9.1	1	5.5	1.1	3.3	0.5	3.4	0.5	94	< 2
2.8	0.3	1.7	0.3	1	0.1	1	0.1	23	< 2
5.8	0.7	4	0.7	2.3	0.4	2.9	0.5	61	2
3.7	0.4	2	0.3	1.1	0.2	1	0.2	18	< 2
4.9	0.6	2.9	0.5	1.4	0.2	1.4	0.2	30	2
6.8	0.8	3.8	0.7	1.9	0.3	2.2	0.3	33	2
5.1	0.6	3	0.6	1.7	0.3	2	0.3	32	2
7.4	0.8	4	0.8	2.4	0.3	2.3	0.4	28	< 2
5.1	0.6	3.2	0.6	1.6	0.3	1.8	0.2	24	< 2
6.1	0.7	3.6	0.7	1.9	0.3	1.9	0.3	20	< 2
5.8	0.6	3.4	0.7	2	0.3	2.3	0.4	48	< 2
7.8	0.9	4.9	0.9	2.7	0.4	2.9	0.4	50	< 2
3.3	0.3	1.8	0.3	1	0.2	1.1	0.1	17	< 2
2.8	0.4	1.7	0.3	0.9	0.2	0.9	0.2	9	< 2
2.2	0.3	1.3	0.2	0.7	0.1	0.8	0.1	11	< 2
2.2	0.2	1.3	0.2	0.7	0.1	0.7	0.1	16	< 2
5.3	0.6	3.4	0.7	1.9	0.3	2	0.3	129	< 2
3.2	0.4	2	0.4	1.2	0.2	1.2	0.2	55	< 2
7	0.8	4.1	0.8	2.2	0.3	2.2	0.3	34	< 2
3.5	0.4	1.8	0.3	1	0.1	1	0.1	20	2
2.2	0.2	1.3	0.2	0.7	0.1	0.7	0.1	23	< 2
4.4	0.5	2.8	0.5	1.5	0.2	1.6	0.2	18	< 2
8.2	0.9	4.3	0.9	2.8	0.4	2.9	0.5	95	3
8.9	1	4.6	1	2.7	0.4	2.8	0.5	72	3
18	2.2	10.5	2.2	5.9	0.9	5.8	0.9	66	< 2
11	1.4	6.5	1.4	3.9	0.6	4.3	0.7	124	2
5.3	0.6	3.2	0.6	1.6	0.3	1.5	0.2	136	< 2
0.5	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	34	< 2
2.5	0.3	1.6	0.3	0.8	0.1	1	0.1	19	< 2
17.8	2.2	11.4	2.2	6.2	1	6.1	1	65	< 2
3	0.3	1.7	0.3	1	0.1	0.9	0.2	35	< 2
5.6	0.7	3.7	0.7	2.1	0.3	2.3	0.3	30	< 2
4.2	0.4	2.3	0.4	1.4	0.2	1.2	0.2	30	< 2
3.1	0.3	1.6	0.3	0.9	0.1	0.9	0.2	13	< 2
3.3	0.3	1.7	0.3	0.9	0.1	1.1	0.1	15	< 2
2.9	0.3	1.6	0.3	1	0.2	1.1	0.2	49	< 2
8	0.9	4.7	0.9	2.6	0.4	2.8	0.5	13	< 2

8.3	0.8	4.5	0.9	2.6	0.4	2.6	0.4	100	< 2
12.1	1.5	7.5	1.4	4.4	0.6	4.4	0.6	131	< 2
3.1	0.4	2	0.4	1.1	0.2	1.2	0.2	38	< 2
3.4	0.4	1.9	0.4	1.2	0.2	1.2	0.2	25	2
3	0.3	1.7	0.3	0.8	0.1	0.9	0.1	21	< 2
3	0.4	1.8	0.3	1	0.2	1	0.2	30	< 2
2.1	0.2	1.2	0.2	0.7	0.1	0.7	< 0.1	31	< 2
4.4	0.4	2.3	0.4	1.2	0.2	1.2	0.2	12	< 2
0.6	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	7	< 2
0.9	0.1	0.5	0.1	0.3	< 0.1	0.3	< 0.1	10	< 2
7.9	0.9	4.5	0.8	2.1	0.3	2.2	0.3	10	< 2
7.7	1	5	1.1	2.8	0.4	2.4	0.4	91	< 2
5.1	0.6	3.2	0.6	1.7	0.3	1.8	0.3	45	< 2
9.7	1.2	6.7	1.3	4	0.6	4.3	0.6	52	< 2
7.4	0.9	4.7	0.9	2.6	0.4	2.7	0.5	71	< 2
8.3	1	5.3	1	3	0.4	3.1	0.6	118	< 2
0.6	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	20	< 2
0.3	< 0.1	0.2	< 0.1	0.1	< 0.1	< 0.1	< 0.1	10	< 2
0.8	0.1	0.5	0.1	0.3	< 0.1	0.3	< 0.1	11	< 2
0.3	< 0.1	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	6	< 2
3.6	0.4	2.1	0.4	1.2	0.2	1.1	0.2	16	3
1.2	0.1	0.7	0.1	0.3	< 0.1	0.3	< 0.1	10	< 2
1.7	0.2	1	0.2	0.5	< 0.1	0.5	< 0.1	14	< 2
2.7	0.3	1.7	0.3	0.9	0.1	0.9	0.2	21	< 2
2.4	0.3	1.5	0.3	0.8	0.1	1	0.1	9	2
4	0.4	2.3	0.4	1.3	0.2	1.2	0.2	22	< 2
1.1	0.2	0.9	0.2	0.4	< 0.1	0.4	< 0.1	9	2
0.4	< 0.1	0.3	< 0.1	0.2	< 0.1	< 0.1	< 0.1	6	< 2
3.5	0.4	1.9	0.4	1.1	0.2	1.1	0.2	26	< 2
3.8	0.4	2.4	0.4	1.3	0.2	1.5	0.2	33	2
3	0.4	1.8	0.4	1.2	0.2	1.1	0.2	31	< 2
1.6	0.2	1.2	0.2	0.6	0.1	0.7	< 0.1	23	< 2

4	0.5	2.5	0.5	1.4	0.2	1.5	0.2	26	< 2
3	0.4	2	0.4	1.1	0.2	1.3	0.2	29	< 2
6.7	0.9	4.6	0.9	2.6	0.4	2.5	0.4	68	< 2
3.6	0.4	2.1	0.4	1.3	0.2	1.2	0.2	20	< 2
3	0.3	1.8	0.4	1	0.1	1.1	0.2	17	< 2
7.2	0.9	4.8	0.9	2.7	0.4	2.9	0.5	101	< 2
4.6	0.6	3.3	0.6	1.8	0.3	1.9	0.3	38	< 2
7.1	0.9	4.3	0.8	2.4	0.3	2.4	0.4	32	< 2
10.2	1.2	6.9	1.4	3.9	0.6	3.9	0.7	47	< 2
1.2	0.2	0.8	0.2	0.5	< 0.1	0.4	< 0.1	6	< 2
3.3	0.4	2.1	0.4	1.1	0.2	1.2	0.2	49	3
6	0.7	3.9	0.8	2.1	0.3	2.2	0.4	31	< 2
1.5	0.2	0.8	0.2	0.5	< 0.1	0.5	0.1	14	< 2
1.7	0.2	1.1	0.2	0.5	< 0.1	0.5	< 0.1	13	< 2
0.7	< 0.1	0.5	< 0.1	0.2	< 0.1	0.2	< 0.1	5	< 2
0.3	< 0.1	0.2	< 0.1	0.2	< 0.1	0.1	< 0.1	10	< 2
3.1	0.4	1.7	0.3	0.9	0.1	0.8	0.1	22	< 2
6.3	0.7	3.7	0.7	2	0.3	2.1	0.4	46	< 2
4.1	0.5	2.3	0.5	1.4	0.2	1.6	0.3	30	< 2
4.4	0.5	2.5	0.5	1.3	0.2	1.4	0.2	24	2
4.1	0.5	2.4	0.4	1.2	0.2	1	0.2	12	2
0.7	< 0.1	0.4	< 0.1	0.2	< 0.1	0.1	< 0.1	3	< 2
0.7	< 0.1	0.4	< 0.1	0.1	< 0.1	0.1	< 0.1	6	< 2
3.8	0.5	2.4	0.4	1.3	0.2	1.1	0.1	6	2
2.7	0.3	1.6	0.3	0.8	0.1	0.7	0.1	12	2
1.9	0.2	1.3	0.2	0.7	0.1	0.8	0.1	31	2
5.3	0.6	3.1	0.6	1.7	0.3	1.6	0.3	13	< 2
6.8	0.9	4.4	0.8	2.3	0.4	2.5	0.5	74	< 2
2.2	0.3	1.4	0.3	0.9	0.1	0.7	0.1	28	< 2
18.9	2.3	11.2	2.2	6.4	1	6.1	1.1	64	3
0.9	0.1	0.5	< 0.1	0.2	< 0.1	0.3	< 0.1	5	< 2
3.1	0.4	1.7	0.3	0.9	0.1	1	0.1	15	3
5.3	0.7	3.6	0.7	2	0.3	2.3	0.4	42	2

11.8	1.4	7.5	1.4	3.9	0.6	4.1	0.7	112 < 2	
4.2	0.5	2.6	0.5	1.4	0.2	1.3	0.3	56 < 2	
1.6	0.2	1	0.2	0.6 < 0.1		0.6 < 0.1		35 < 2	
3.6	0.4	2.4	0.5	1.4	0.2	1.5	0.3	44 < 2	
3.8	0.4	2.5	0.5	1.5	0.3	1.7	0.3	45	2
4.4	0.5	2.8	0.4	1.3	0.2	1.5	0.2	37 < 2	
3.4	0.4	1.9	0.3	0.9	0.1	1	0.2	18 < 2	
4.3	0.5	2.6	0.5	1.4	0.2	1.6	0.2	29 < 2	
10.4	1.3	6.8	1.2	3.5	0.6	3.7	0.6	52	2

3.4	0.4	1.8	0.4	1	0.2	1.1	0.2	16	2
5.2	0.6	3.4	0.6	1.9	0.3	2	0.3	27 < 2	
4.8	0.6	2.9	0.6	1.7	0.2	1.8	0.3	45 < 2	
4.3	0.5	2.2	0.4	1.3	0.2	1.3	0.2	45 < 2	
4.3	0.5	2.6	0.5	1.5	0.2	1.6	0.2	58	3
4.2	0.5	2.7	0.5	1.5	0.2	1.6	0.2	50	3
2.8	0.3	1.7	0.3	1	0.1	1	0.2	31 < 2	
3.3	0.4	1.8	0.3	1.1	0.2	1.1	0.2	22 < 2	
4.3	0.5	2.8	0.5	1.6	0.3	1.9	0.3	41 < 2	
9.7	1.3	6.7	1.3	3.7	0.5	3.6	0.6	166 < 2	
2.3	0.3	1.5	0.3	0.8	0.1	0.8	0.1	31 < 2	
5.3	0.6	3.4	0.7	2	0.3	1.8	0.3	51 < 2	
1.8	0.2	1.2	0.3	0.7	0.1	0.7	0.1	38 < 2	
0.4 < 0.1		0.3 < 0.1		0.2 < 0.1		0.2 < 0.1		65 < 2	

2.8	0.3	1.8	0.3	0.9	0.1	1.2	0.1	41	2
2.8	0.3	1.6	0.3	0.9	0.2	0.9	0.2	11 < 2	

3.1	0.4	1.8	0.3	1	0.2	1.1	0.2	23	2
1.9	0.2	1.1	0.2	0.5	< 0.1	0.6	< 0.1	7	< 2
1.8	0.2	1	0.2	0.5	< 0.1	0.5	< 0.1	14	2
2.4	0.3	1.4	0.3	0.9	0.1	0.8	0.1	33	< 2
1.2	0.1	0.7	0.2	0.5	< 0.1	0.6	< 0.1	22	< 2
16.6	1.9	10.1	1.9	5.5	0.8	5.5	0.9	115	3
12	1.4	7	1.4	3.7	0.6	3.7	0.6	74	2
11.7	1.3	7.1	1.3	3.9	0.6	4	0.6	88	2

4.2	0.5	2.4	0.4	1.3	0.2	1.5	0.2	46	3
7.8	0.9	4.8	1	2.8	0.4	2.8	0.5	159	< 2
4.9	0.6	3.1	0.6	1.7	0.3	1.7	0.3	92	< 2
10.7	1.2	6.7	1.3	3.8	0.5	3.8	0.6	71	< 2
10.1	1.2	6.4	1.3	3.4	0.6	3.5	0.6	76	< 2
6.5	0.8	4.2	0.8	2.5	0.4	2.6	0.4	44	< 2
8.1	1	4.6	0.9	2.8	0.4	2.9	0.5	51	< 2
12	1.5	7.2	1.4	4.1	0.6	4.6	0.7	67	< 2
4.7	0.5	3	0.6	1.7	0.2	1.7	0.3	27	< 2
4.5	0.5	2.6	0.5	1.5	0.3	1.6	0.3	23	< 2
2.9	0.4	1.8	0.3	1	0.1	0.9	0.2	18	< 2
3.3	0.4	1.8	0.4	1.1	0.2	1.1	0.2	27	< 2
3	0.3	1.5	0.3	0.9	0.1	0.9	0.1	31	2
3.1	0.4	1.9	0.3	1.1	0.1	1	0.2	20	2
2.5	0.3	1.5	0.3	0.9	0.1	0.9	0.2	21	< 2
5.5	0.7	3.6	0.7	2.2	0.3	2.2	0.4	34	< 2
8.9	1.1	5.2	1	3.1	0.5	3.4	0.5	60	< 2
2.2	0.3	1.2	0.2	0.8	0.1	0.8	0.1	21	< 2
3.2	0.4	1.8	0.4	1.2	0.2	1.2	0.2	28	2
2.6	0.3	1.6	0.3	0.7	0.1	0.7	0.1	38	2
6.2	0.7	3.4	0.6	2	0.3	2.1	0.3	25	< 2
1.9	0.2	1.3	0.2	0.7	0.1	0.7	< 0.1	41	< 2
3.8	0.5	2.4	0.5	1.4	0.2	1.2	0.2	31	< 2
0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	8	< 2
0.8	< 0.1	0.4	< 0.1	0.3	< 0.1	0.2	< 0.1	19	< 2
0.3	< 0.1	0.2	< 0.1	0.2	< 0.1	0.2	< 0.1	16	< 2
0.3	< 0.1	0.2	< 0.1	0.1	< 0.1	0.1	< 0.1	21	< 2
0.2	< 0.1	0.2	< 0.1	0.1	< 0.1	0.1	< 0.1	29	< 2
1.3	0.1	0.8	0.2	0.5	< 0.1	0.5	< 0.1	40	< 2
7.6	0.9	4.7	0.9	2.5	0.4	2.4	0.4	23	< 2
5.2	0.6	3	0.6	1.8	0.3	1.8	0.3	34	< 2
1.7	0.2	0.9	0.2	0.5	< 0.1	0.5	< 0.1	17	< 2
2.2	0.3	1.2	0.2	0.7	0.1	0.8	0.1	24	< 2
1.9	0.2	1	0.2	0.6	< 0.1	0.6	< 0.1	19	2

1.4		0.2		0.8		0.2		0.4	< 0.1		0.4	< 0.1		27	< 2				
1.6		0.2		0.9		0.2		0.4	< 0.1		0.5	< 0.1		11	< 2				
4.5		0.5		2		0.4		1		0.2	1.1		0.1	5		2			
0.8	< 0.1			0.5		0.1		0.3	< 0.1		0.2	< 0.1		12	< 2				
3.1		0.4		1.9		0.3		1		0.1	0.7	< 0.1		16		2			
2.2		0.3		1.3		0.3		0.7		0.1	0.6	< 0.1		10		2			
2.9		0.3		1.7		0.3		1		0.1	0.9		0.2	15		2			
0.7	< 0.1			0.4	< 0.1			0.3	< 0.1		0.2	< 0.1		16	< 2				
5.4		0.5		2.7		0.5		1.5		0.3	1.7		0.2	19	< 2				
1.5		0.2		0.8		0.1		0.4	< 0.1		0.4	< 0.1		16	< 2				
5.7		0.7		3.2		0.6		2.1		0.3	2.2		0.3	40		2			
3.9		0.5		2.2		0.4		1.1		0.2	0.9		0.1	6	< 2				
5.8		0.6		3		0.5		1.5		0.2	1.2		0.2	6		2			
8.3		1		5		1		2.8		0.4	2.8		0.4	48	< 2				

1.6		0.2		0.8		0.1		0.5	< 0.1		0.5	< 0.1		15	< 2				
4.2		0.5		2.3		0.4		1.3		0.2	1.4		0.2	23		2			
7.3		1		5.3		0.9		2.9		0.5	3.5		0.6	58		2			
4.8		0.6		3		0.6		2		0.3	1.9		0.3	72	< 2				
9.1		1		5.5		1.1		3.3		0.5	3.2		0.6	46	< 2				
8.8		1.1		5.6		1.1		3.5		0.5	3.4		0.5	47	< 2				
8.1		0.9		5		0.9		2.9		0.4	2.8		0.5	45	< 2				
8		1		5.2		1		2.7		0.4	3.2		0.5	43	< 2				
2.4		0.3		1.3		0.3		0.8	< 0.1		0.8		0.1	28	< 2				
9.6		1.2		6		1.2		3.4		0.5	3.7		0.5	57	< 2				
2.4		0.3		1.6		0.3		0.9		0.1	0.9		0.2	21	< 2				
1.9		0.2		1.1		0.2		0.6	< 0.1		0.6	< 0.1		17	< 2				
2.3		0.3		1.3		0.3		0.8		0.1	0.9		0.1	17		2			
2.5		0.3		1.6		0.3		0.9		0.1	0.8		0.1	11	< 2				
2		0.2		1.1		0.2		0.6	< 0.1		0.7	< 0.1		13	< 2				
1.1		0.1		0.6		0.1		0.3	< 0.1		0.4	< 0.1		7	< 2				
2		0.2		1		0.2		0.5	< 0.1		0.4	< 0.1		9		3			
5.5		0.6		2.9		0.5		1.4		0.2	1.2		0.2	9	< 2				
2.6		0.3		1.7		0.3		0.9		0.1	0.8		0.1	11	< 2				
2.8		0.3		1.6		0.3		0.8		0.1	0.9		0.1	12	< 2				
1.9		0.2		1		0.2		0.6	< 0.1		0.7	< 0.1		17	< 2				
1.5		0.2		1		0.2		0.6	< 0.1		0.6	< 0.1		20	< 2				
2.4		0.3		1.3		0.3		0.8		0.1	0.8		0.1	30		2			
1.4		0.2		0.7		0.2		0.4	< 0.1		0.3	< 0.1		12	< 2				
0.8		0.1		0.5	< 0.1			0.3	< 0.1		0.3	< 0.1		7	< 2				
0.4	< 0.1		< 0.1		< 0.1		< 0.1		< 0.1		< 0.1		< 2		< 2				
2.1		0.2		1		0.2		0.6	< 0.1		0.6	< 0.1		21		2			
1.3		0.1		0.8		0.1		0.4	< 0.1		0.3	< 0.1		12		3			

0.9	0.1	0.7	0.1	0.3 < 0.1		0.3 < 0.1		9 < 2	
1.2	0.1	0.5	0.1	0.3 < 0.1		0.3 < 0.1		3 < 2	
0.6 < 0.1		0.4 < 0.1		0.2 < 0.1		0.2 < 0.1		14 < 2	
13.4	1.2	5.3	0.9	2.2	0.2	1.7	0.3	4	3
1.2	0.1	0.5	0.1	0.3 < 0.1		0.2 < 0.1		4	2

Sc_ppb	Mn_ppb	Rb_ppb	Sr_ppb	Cs_ppb	Ba_ppb	Ru_ppb	Pd_ppb	Pt_ppb
< 100	7090	66	402	1	518	< 1	< 1	< 1
< 100	1270	38	410	0.8	355	< 1	< 1	< 1
< 100	3830	172	508	8	1150	< 1	< 1	< 1
< 100	1370	43	606	1.3	537	< 1	< 1	< 1
< 100	1210	42	467	1.6	697	< 1	< 1	< 1
< 100	1680	28	298	< 0.1	366	< 1	< 1	< 1
< 100	2410	29	326	< 0.1	408	< 1	< 1	< 1
< 100	1940	54	287	0.3	559	< 1	< 1	< 1
< 100	874	75	334	0.3	536	< 1	< 1	< 1
< 100	1440	62	234	0.1	507	< 1	< 1	< 1
< 100	2210	28	365	< 0.1	606	< 1	< 1	< 1
< 100	1980	21	345	< 0.1	471	< 1	< 1	< 1
< 100	2140	34	417	0.1	613	< 1	< 1	< 1
< 100	1950	37	343	0.2	453	< 1	< 1	< 1
< 100	2720	22	322	< 0.1	429	< 1	< 1	< 1
< 100	1630	36	348	0.1	489	< 1	< 1	< 1
< 100	1310	37	250	0.1	454	< 1	< 1	< 1
< 100	487	16	213	< 0.1	396	< 1	< 1	< 1
< 100	923	14	324	< 0.1	420	< 1	< 1	< 1
< 100	989	19	453	< 0.1	429	< 1	< 1	< 1
< 100	1300	27	353	0.9	662	< 1	< 1	< 1
< 100	1570	32	433	0.8	485	< 1	< 1	< 1
< 100	5860	35	339	0.4	492	< 1	< 1	< 1
< 100	823	31	313	< 0.1	635	< 1	< 1	< 1
< 100	763	53	253	0.1	549	< 1	< 1	< 1
< 100	1110	24	319	< 0.1	414	< 1	< 1	< 1
< 100	939	135	199	5.3	657	< 1	< 1	< 1
< 100	901	128	209	5	598	< 1	< 1	< 1
< 100	597	16	356	0.3	603	< 1	< 1	< 1
< 100	548	32	389	1.1	720	< 1	< 1	< 1
< 100	3940	74	490	3.4	603	< 1	< 1	< 1
< 100	1880	14	1230	0.2	400	< 1	< 1	< 1
< 100	1370	35	291	0.2	590	< 1	< 1	< 1
< 100	3650	44	422	1.2	623	< 1	< 1	< 1
< 100	5560	24	368	< 0.1	411	< 1	< 1	< 1
< 100	732	17	317	0.3	462	< 1	< 1	< 1
< 100	3420	17	432	0.1	707	< 1	< 1	< 1
< 100	4640	48	331	0.2	486	< 1	< 1	< 1
< 100	3810	58	365	< 0.1	546	< 1	< 1	< 1
< 100	1700	17	444	0.2	442	< 1	< 1	< 1
< 100	5010	54	417	0.2	496	< 1	< 1	< 1

< 100	3540	62	626	2.1	559 < 1	< 1	< 1
< 100	1480	70	410	3.2	666 < 1	< 1	< 1
< 100	735	61	336	0.1	492 < 1	< 1	< 1
< 100	7200	83	412	0.1	733 < 1	< 1	< 1
< 100	3630	56	461	0.1	562 < 1	< 1	< 1
< 100	1080	64	425 < 0.1		640 < 1	< 1	< 1
< 100	1050	80	311 < 0.1		528 < 1	< 1	< 1
< 100	3900	59	317	0.2	430 < 1	< 1	< 1
< 100	647	11	318 < 0.1		435 < 1	< 1	< 1
< 100	2310	45	329 < 0.1		489 < 1	< 1	< 1
< 100	3880	24	259 < 0.1		494 < 1	< 1	< 1
< 100	785	26	352	0.4	473 < 1	< 1	< 1
< 100	2540	45	309	0.1	494 < 1	< 1	< 1
< 100	2790	25	329	0.2	491 < 1	< 1	< 1
< 100	1640	23	366	0.3	581 < 1	< 1	< 1
< 100	744	45	402	0.9	481 < 1	< 1	< 1
< 100	828	114	322	1.5	430 < 1	< 1	< 1
< 100	714	83	262	1.3	591 < 1	< 1	< 1
< 100	474	25	305	0.1	490 < 1	< 1	< 1
< 100	1140	25	401 < 0.1		378 < 1	< 1	< 1
< 100	2310	154	395	0.6	846 < 1	< 1	< 1
< 100	9350	36	431 < 0.1		545 < 1	< 1	< 1
< 100	321	104	265	0.2	508 < 1	< 1	< 1
< 100	3020	55	232	0.1	396 < 1	< 1	< 1
< 100	2790	85	219	0.1	514 < 1	< 1	< 1
< 100	8910	68	299	0.1	437 < 1	< 1	< 1
< 100	3460	116	406	1	1160 < 1	< 1	< 1
< 100	493	29	344	0.2	449 < 1	< 1	< 1
< 100	820	163	349	0.2	598 < 1	< 1	< 1
< 100	570	46	289 < 0.1		520 < 1	< 1	< 1
< 100	487	49	287 < 0.1		474 < 1	< 1	< 1
< 100	878	39	269	0.2	481 < 1	< 1	< 1

< 100	865	47	314	< 0.1		552	< 1	< 1	< 1
< 100	6860	41	310		0.3	410	< 1	< 1	< 1
< 100	2660	31	470		0.5	439	< 1	< 1	< 1
< 100	747	11	780	< 0.1		524	< 1	< 1	< 1
< 100	3630	8	645	< 0.1		449	< 1	< 1	< 1
< 100	2160	33	450		0.8	455	< 1	< 1	< 1
< 100	1020	21	284		0.1	446	< 1	< 1	< 1
< 100	1530	41	406		0.1	478	< 1	< 1	< 1
< 100	1090	76	332		0.3	465	< 1	< 1	< 1
< 100	763	32	316		0.2	362	< 1	< 1	< 1
< 100	310	91	293		0.6	974	< 1	< 1	< 1
< 100	822	23	455		0.4	512	< 1	< 1	< 1
< 100	1720	54	328	< 0.1		473	< 1	< 1	< 1
< 100	727	61	343	< 0.1		503	< 1	< 1	< 1
< 100	2310	25	607	< 0.1		344	< 1	< 1	< 1
< 100	5660	8	232	< 0.1		363	< 1	< 1	< 1
< 100	780	63	434		0.2	503	< 1	< 1	< 1
< 100	2290	44	339	< 0.1		499	< 1	< 1	< 1
< 100	2340	33	276	< 0.1		475	< 1	< 1	< 1
< 100	513	115	325		0.1	420	< 1	< 1	< 1
< 100	927	81	395		0.5	588	< 1	< 1	< 1
< 100	1360	26	163		0.9	331	< 1	< 1	< 1
< 100	531	10	263	< 0.1		225	< 1	< 1	< 1
< 100	1900	94	428		0.1	464	< 1	< 1	< 1
< 100	1630	155	350		0.2	547	< 1	< 1	< 1
< 100	886	244	454		0.2	648	< 1	< 1	< 1
< 100	2290	23	268		0.1	485	< 1	< 1	< 1
< 100	1460	43	432		0.3	459	< 1	< 1	< 1
< 100	529	29	703		0.3	360	< 1	< 1	< 1
< 100	1920	50	362		0.1	596	< 1	< 1	< 1
< 100	319	45	174		0.8	409	< 1	< 1	< 1
< 100	6200	103	258		0.3	490	< 1	< 1	< 1
< 100	979	37	380	< 0.1		514	< 1	< 1	< 1

< 100	905	28	346	< 0.1	528	< 1	< 1
< 100	1060	13	320	0.1	555	< 1	< 1
< 100	1290	17	375	0.1	496	< 1	< 1
< 100	1220	17	345	0.1	485	< 1	< 1
< 100	2210	58	323	0.1	519	< 1	< 1
< 100	684	55	384	< 0.1	507	< 1	< 1
< 100	9010	29	428	0.1	549	< 1	< 1
< 100	2520	43	332	< 0.1	469	< 1	< 1
< 100	1150	23	437	< 0.1	535	< 1	< 1

< 100	911	59	337	< 0.1	442	< 1	< 1
< 100	338	31	327	< 0.1	473	< 1	< 1
< 100	3350	24	330	< 0.1	403	< 1	< 1
< 100	808	84	341	< 0.1	559	< 1	< 1
< 100	730	52	268	0.1	484	< 1	< 1
< 100	1450	70	336	0.2	522	< 1	< 1
< 100	1590	63	353	< 0.1	496	< 1	< 1
< 100	647	41	310	< 0.1	365	< 1	< 1
< 100	749	45	296	< 0.1	441	< 1	< 1
< 100	2110	32	423	0.6	602	< 1	< 1
< 100	852	13	555	0.1	421	< 1	< 1
< 100	1400	24	545	0.4	468	< 1	< 1
< 100	872	15	686	0.3	421	< 1	< 1
< 100	803	5	825	< 0.1	265	< 1	< 1

< 100	1070	56	321	< 0.1	548	< 1	< 1
< 100	3390	19	487	< 0.1	518	< 1	< 1

< 100	1260	57	418	0.1	498	< 1	< 1	< 1
< 100	3960	18	393	< 0.1	449	< 1	< 1	< 1
< 100	2270	55	387	< 0.1	618	< 1	< 1	< 1
< 100	3550	15	1090	< 0.1	602	< 1	< 1	< 1
< 100	3880	14	917	< 0.1	505	< 1	< 1	< 1
< 100	3430	79	580	2.8	956	< 1	< 1	< 1
< 100	4240	32	576	0.3	566	< 1	< 1	< 1
< 100	4440	26	491	< 0.1	525	< 1	< 1	< 1

< 100	465	57	294	< 0.1	513	< 1	< 1	< 1
< 100	1310	19	602	0.2	399	< 1	< 1	< 1
< 100	245	11	722	0.2	320	< 1	< 1	< 1
< 100	1480	16	508	< 0.1	469	< 1	< 1	< 1
< 100	1010	18	689	< 0.1	521	< 1	< 1	< 1
< 100	1040	20	344	< 0.1	425	< 1	< 1	< 1
< 100	601	32	392	< 0.1	441	< 1	< 1	< 1
< 100	1010	21	354	< 0.1	496	< 1	< 1	< 1
< 100	764	15	293	< 0.1	378	< 1	< 1	< 1
< 100	458	13	299	< 0.1	448	< 1	< 1	< 1
< 100	1680	62	399	< 0.1	588	< 1	< 1	< 1
< 100	522	47	331	< 0.1	519	< 1	< 1	< 1
< 100	744	152	374	0.2	708	< 1	< 1	< 1
< 100	3400	114	388	0.1	534	< 1	< 1	< 1
< 100	573	67	299	< 0.1	536	< 1	< 1	< 1
< 100	2270	41	406	< 0.1	581	< 1	< 1	< 1
< 100	2140	34	389	< 0.1	548	< 1	< 1	< 1
< 100	406	16	204	< 0.1	359	< 1	< 1	< 1
< 100	338	71	299	0.1	533	< 1	< 1	< 1
< 100	551	72	264	0.2	689	< 1	< 1	< 1
< 100	4770	30	424	< 0.1	571	< 1	< 1	< 1
< 100	2000	49	495	0.2	309	< 1	< 1	< 1
< 100	1440	20	538	0.2	440	< 1	< 1	< 1
< 100	981	11	578	< 0.1	225	< 1	< 1	< 1
< 100	2950	15	1070	< 0.1	457	< 1	< 1	< 1
< 100	2490	16	953	0.1	354	< 1	< 1	< 1
< 100	8020	8	857	< 0.1	368	< 1	< 1	< 1
< 100	3460	14	678	< 0.1	296	< 1	< 1	< 1
< 100	3430	12	718	0.1	358	< 1	< 1	< 1
< 100	353	14	578	0.2	384	< 1	< 1	< 1
< 100	8430	29	432	< 0.1	549	< 1	< 1	< 1
< 100	607	67	281	< 0.1	427	< 1	< 1	< 1
< 100	2180	31	477	< 0.1	539	< 1	< 1	< 1
< 100	1020	67	326	0.1	498	< 1	< 1	< 1

< 100	302	64	328	0.1	311 < 1	< 1	< 1
< 100	1610	60	333 < 0.1		439 < 1	< 1	< 1
< 100	520	50	372	0.2	589 < 1	< 1	< 1
< 100	314	54	274	0.2	312 < 1	< 1	< 1
< 100	740	67	320	0.4	460 < 1	< 1	< 1
< 100	195	67	234	0.1	315 < 1	< 1	< 1
< 100	981	82	289	0.2	538 < 1	< 1	< 1
< 100	845	58	251	0.1	449 < 1	< 1	< 1
< 100	6390	26	515	0.1	526 < 1	< 1	< 1
< 100	267	9	347 < 0.1		362 < 1	< 1	< 1
< 100	4330	36	384 < 0.1		599 < 1	< 1	< 1
< 100	1150	19	348 < 0.1		332 < 1	< 1	< 1
< 100	556	144	522	0.6	634 < 1	< 1	< 1
< 100	1250	27	646	0.2	508 < 1	< 1	< 1

< 100	3770	31	171 < 0.1		316 < 1	< 1	< 1
< 100	3370	41	328 < 0.1		436 < 1	< 1	< 1
< 100	1120	38	329 < 0.1		562 < 1	< 1	< 1
< 100	8350	30	577	0.2	498 < 1	< 1	< 1
< 100	795	23	502	0.2	381 < 1	< 1	< 1
< 100	2250	18	348	0.1	400 < 1	< 1	< 1
< 100	1120	23	383	0.4	393 < 1	< 1	< 1
< 100	806	34	365	0.1	502 < 1	< 1	< 1
< 100	760	20	273	0.1	356 < 1	< 1	< 1
< 100	624	15	389	0.2	478 < 1	< 1	< 1
< 100	1890	30	332 < 0.1		487 < 1	< 1	< 1
< 100	1340	15	305 < 0.1		428 < 1	< 1	< 1
< 100	833	36	303 < 0.1		469 < 1	< 1	< 1
< 100	3920	16	388 < 0.1		437 < 1	< 1	< 1
< 100	493	23	251 < 0.1		364 < 1	< 1	< 1
< 100	1670	50	347 < 0.1		580 < 1	< 1	< 1
< 100	312	65	228	0.6	612 < 1	< 1	< 1
< 100	341	52	264	0.1	407 < 1	< 1	< 1
< 100	1460	27	457 < 0.1		477 < 1	< 1	< 1
< 100	1630	23	398 < 0.1		412 < 1	< 1	< 1
< 100	482	27	219 < 0.1		370 < 1	< 1	< 1
< 100	861	25	253 < 0.1		488 < 1	< 1	< 1
< 100	707	86	361	0.1	667 < 1	< 1	< 1
< 100	676	117	254	0.4	607 < 1	< 1	< 1
< 100	307	29	167	0.5	421 < 1	< 1	< 1
< 100	947	8	451 < 0.1		382 < 1	< 1	< 1
< 100	1420	135	378	0.2	624 < 1	< 1	< 1
< 100	3040	109	292	0.8	944 < 1	< 1	< 1

< 100	537	42	283	0.2	360	< 1	< 1	< 1
< 100	858	26	241	0.2	628	< 1	< 1	< 1
< 100	1390	22	397	0.2	664	< 1	< 1	< 1
< 100	2740	63	295	0.9	821	< 1	< 1	< 1
< 100	250	41	79	1.5	238	< 1	< 1	< 1

Easting	Northing	Sample	weather	slope	slope aspect	horizon	colour
476737.3	5643324	1305501	Sun	Gentle	N	B	Brown
476721.9	5643278	1305502	Sun	Gentle	W	A/B	Dark brown
476702.7	5643235	1305503	Sun	Gentle	N	B/C	Light brown
476698.6	5643214	1305504	Sun	Flat	N	B/C	Dark brown|Light grey
476663.7	5643133	1305505	Sun	Flat	N	B	Brown
476651.6	5643094	1305506	Sun	Flat	N	B	Brown
476634.8	5643044	1305507	Sun	Flat	N	B	Light brown
476616.8	5643001	1305508	Sun	Flat	N	B	Brown
476595.8	5642954	1305509	Sun	Flat	N	B	Brown
476584.1	5642906	1305510	Sun	Flat	N	B	Brown
476569.5	5642851	1305511	Sun	Flat	N	B	Light brown|Brown
476557.4	5642800	1305512	Sun	Flat	N	B/C	Brown|Light grey
476757.8	5642785	1305513	Sun	Flat	N	B	Brown
476771.2	5642836	1305514	Sun	Flat	N	B	Brown
476792	5642883	1305515	Sun	Flat	W	B	Brown
476810	5642930	1305516	Sun	Flat	N	B	Brown
476821.1	5642974	1305517	Sun	Flat	N	B	Brown
476844.2	5643023	1305518	Sun	Flat	N	B	Brown
476857.4	5643072	1305519	Sun	Flat	N	B	Brown
476871.2	5643122	1305520	Sun	Flat	N	B	Brown
476888.8	5643165	1305521	Sun	Flat	N	B	Brown
476901.9	5643208	1305522	Sun	Flat	N	B	Dark brown
476909.7	5643261	1305523	Sun	Flat	N	B	Dark brown
476538.2	5642757	1305524	Sun	Flat	N	B	Brown
476524.2	5642708	1305525	Sun	Gentle	N	B	Light brown
476511.8	5642665	1305526	Sun	Flat	N	B	Light brown
476491.2	5642616	1305527	Sun	Flat	N	B	Brown
476473.2	5642565	1305528	Sun	Gentle	N	B	Light brown
476458	5642517	1305529	Sun	Flat	N	B/C	Light grey
476446.2	5642473	1305530	Sun	Flat	N	B/C	Black|Grey
476426.5	5642431	1305531	Sun	Flat	N	B/C	Black|Grey
476405.6	5642381	1305532	Sun	Flat	N	A	Black
476389.4	5642333	1305533	Clear|Sun	Flat	N	A	Black
476377.5	5642286	1305534	Sun	Flat	N	A	Black
477098.3	5643186	1305535	Clear|Sun	Gentle	N	C	Light grey|Grey
477085.9	5643151	1305536	Clear|Sun	Gentle	SW	C	Brown
477084.7	5643098	1305537	Clear|Sun	Gentle	N	B/C	Light brown|Brown|Dark
477059	5643047	1305538	Clear|Sun	Gentle	N	C	Light grey|Grey
477045.5	5643002	1305539	Clear|Sun	Gentle	NW	B	Dark grey
477032.4	5642962	1305540	Clear|Sun	Flat	N	A	Black
477010.8	5642911	1305541	Clear|Sun	Flat	N	B/C	Light brown|Brown
476993.1	5642872	1305542	Clear|Sun	Flat	N	B/C	Light brown|Light grey
476976.4	5642824	1305543	Clear|Sun	Flat	N	C	Light grey
476962.1	5642769	1305544	Clear|Sun	Pronoun	W	C	Light grey
476355.4	5642242	1305545	Overcast	Flat	N	A	Black

476349.5	5642193	1305546	Overcast	Flat	N	A	Black
476327.8	5642149	1305547	Overcast	Flat	N	A	Black|Dark brown
476313.7	5642099	1305548	Overcast	Flat	N	A	Black|Dark brown
476308.8	5642046	1305549	Overcast	Flat	N	A	Dark brown
476280.3	5642006	1305550	Overcast	Flat	N	A	Brown|Dark brown
476269.7	5641950	1305551	Overcast	Flat	N	A	Brown|Dark brown
476251.6	5641912	1305552	Overcast	Flat	N	B/C	Brown|Light grey|Grey
476426	5641862	1305553	Overcast	Flat	N	A	Dark brown
476450.4	5641881	1305554	Overcast	Flat	N	A	Dark brown
476450.9	5641909	1305555	Overcast	Flat	N	A	Dark brown
476477.6	5641978	1305556	Overcast	Flat	N	A	Dark brown
476503.8	5642031	1305557	Overcast	Flat	N	A	Black|Dark brown
476515.1	5642075	1305558	Overcast	Flat	N	A	Dark brown
476516.7	5642073	1305559	Overcast	Flat	N	A	Black|Dark brown
476534.4	5642124	1305560	Overcast	Flat	N	A	Black|Brown|Red
476548	5642172	1305561	Overcast	Flat	N	A	Black|Brown
476567.6	5642221	1305562	Overcast	Flat	N	B/C	Beige|Grey
476577.6	5642255	1305563	Overcast	Flat	N	B/C	Black|Grey
476602.8	5642314	1305564	Overcast	Flat	N	B/C	Beige|Light brown
476618.8	5642362	1305565	Overcast	Flat	N	B/C	Light brown
476631.7	5642409	1305566	Overcast	Flat	N	B/C	Light brown|Grey
476642.4	5642456	1305567	Overcast	Flat	N	B/C	Light brown|Brown
476656.4	5642498	1305568	Overcast	Flat	N	B/C	Light brown|Brown|Grey
476693.2	5642587	1305569	Overcast	Flat	N	B/C	Beige|Brown|Grey
476680	5642550	1305570	Overcast	Gentle	S	B/C	Light brown|Brown|Red
476720.3	5642683	1305571	Overcast	Gentle	S	B/C	Light brown|Brown|Grey
476714.7	5642646	1305572	Overcast	Flat	N	C	Beige|Grey
477998.6	5642716	1305573	Sun	Flat	N	A/B	Dark brown
478013.6	5642758	1305574	Sun	Flat	N	A/B	Light brown
478039	5642801	1305575	Sun	Flat	N	B	Light brown
478052.6	5642857	1305576	Sun	Flat	N	B	Light brown
478068.2	5642902	1305577	Sun	Flat	N	A/B	Dark brown
478252.3	5642833	1305578	Sun	Flat	N	B	Brown
478238.3	5642784	1305579	Sun	Flat	N	B	Brown
478228.7	5642740	1305580	Sun	Gentle	N	B	Brown
478203.8	5642688	1305581	Sun	Flat	N	B	Light brown
478192	5642640	1305582	Sun	Gentle	N	B	Brown
478167.7	5642592	1305583	Sun	Flat	N	B	Brown
478160.8	5642549	1305584	Sun	Gentle	N	B	Brown
478143.1	5642499	1305585	Sun	Flat	N	B	Light brown
478126.2	5642449	1305586	Sun	Gentle	N	B	Light brown
476943.6	5642718	1305587	Overcast	Flat	N	B	Light brown
476932	5642675	1305588	Overcast	Gentle	N	B	Light brown
476914.8	5642627	1305589	Overcast	Gentle	N	B	Brown
476893.4	5642580	1305590	Overcast	Flat	N	B	Brown
476891.2	5642539	1305591	Overcast	Flat	N	B	Light brown
476873.1	5642489	1305592	Overcast	Flat	N	B	Light brown

476851.3	5642440	1305593	Overcast	Gentle	N	B	Brown
476838	5642393	1305594	Overcast	Gentle	N	B	Light brown
476817	5642350	1305595	Overcast	Gentle	N	B	Brown
476804.7	5642297	1305596	Overcast	Gentle	N	B	Brown|Light grey
476999.2	5642230	1305597	Overcast	Flat	N	A	Dark brown
477006.9	5642275	1305598	Overcast	Flat	N	A	Dark brown
477025.3	5642328	1305599	Overcast	Flat	N	B	Brown|Light grey
477044.7	5642370	1305600	Overcast	Flat	N	B	Light brown
477125.9	5642643	1305601	Overcast|Clouds|R		N	B/C	Light brown
477153.7	5642654	1305602	Overcast|	Flat	N	B/C	Light brown|Brown
477155.3	5642699	1305603	Overcast|	Flat	N	B/C	Light brown|Brown
477169.4	5642742	1305604	Overcast|	Flat	N	B	Brown
477190.1	5642795	1305605	Overcast|	Flat	N	B/C	Light brown|Brown
477209.2	5642837	1305606	Overcast|	Flat	N	B/C	Light brown
477211	5642885	1305607	Overcast|	Flat	N	B/C	Light brown|Brown
477250.9	5642918	1305608	Overcast|	Flat	N	B/C	Light brown|Brown
477249	5642972	1305609	Overcast|	Gentle	W	B/C	Light brown|Brown
477269.8	5643026	1305610	Overcast|	Flat	N	B	Brown
477282.6	5643085	1305611	Overcast|	Flat	N	B/C	Light brown|Brown
477295.5	5643122	1305612	Overcast|	Flat	N	B/C	Light brown|Brown
477488.2	5643074	1305613	Overcast|	Flat	N	B/C	Light brown|Brown
477477	5643024	1305614	Overcast|	Gentle	N	B|B/C	Light brown|Brown
477460.3	5642970	1305615	Overcast|	Pronoun	N	A	Black|Brown
477445.1	5642932	1305616	Overcast|	Flat	N	B	Brown
477430.4	5642874	1305617	Overcast|	Flat	N	C	Light brown|Grey
477414	5642832	1305618	Overcast|	Flat	N	C	Light grey
477384.5	5642781	1305619	Overcast|	Flat	N	C	Light brown
477369	5642738	1305620	Overcast|	Flat	N	C	
477364	5642692	1305621	Overcast|	Flat	N	B/C	Light brown|Brown|Grey
477353.1	5642637	1305622	Overcast|	Flat	N	B/C	Light brown|Brown|Grey
477333.3	5642584	1305623	Overcast|	Flat	N	C	Light brown
477319.2	5642546	1305624	Overcast|	Flat	N	B/C	Light brown|Brown|Red
477568.7	5642662	1305628	Clouds	Flat	N	A	Dark brown
477523.2	5642523	1305625	Clouds	Gentle	W	C	Light brown
477534.8	5642573	1305626	Clouds	Gentle	NW	C	Light brown
477548.6	5642614	1305627	Clouds	Flat	N	A	Dark brown
477580.7	5642713	1305629	Clouds	Flat	N	A	Dark brown
477603.4	5642743	1305630	Clouds	Flat	N	A	Brown|Dark brown
477607.7	5642797	1305631	Clear|Sun	Flat	N	A	Dark brown
477633.4	5642855	1305632	Sun	Flat	N	A|C	Brown|Dark brown
477646.3	5642896	1305633	Clear	Flat	N	A	Dark brown
477668	5642946	1305634	Clear	Flat	N	A	Brown|Dark brown
477675.7	5642997	1305635	Clear	Flat	N	A|C	Dark brown |Light grey
477858.3	5642961	1305636	Clear	Flat	N	A	Dark brown
477854.1	5642921	1305637	Clear	Flat	N	A	Dark brown
477855.2	5642868	1305638	Clear|Sun	Flat	N	A	Dark brown
477829	5642830	1305639	Clear|Sun	Flat	N	A	Dark brown

477806.6	5642775	1305640	Clear|Sun	Flat	N	A	Dark brown
477797.7	5642729	1305641	Clear|Sun	Flat	N	A	Dark brown
477775.1	5642682	1305642	Clear|Clou	Flat	N	A	Dark brown
477764.8	5642630	1305643	Clear|Sun	Flat	N	A	Brown|Dark brown
477744.8	5642570	1305644	Clear|Sun	Flat	N	A	Dark brown
477735.1	5642537	1305645	Clear|Sun	Flat	N	A	Dark brown
477699.5	5642492	1305646	Clear|Sun	Flat	N	A|C	Brown|Dark brown |Grey
477940	5642527	1305647	Sun	Flat	N	B	Light brown
477956.1	5642568	1305648	Sun	Flat	N	B	Dark brown
477970.4	5642614	1305649	Sun	Flat	N	A/B	Dark brown
477984.8	5642658	1305650	Sun	Flat	N	A	Dark brown
477058.3	5642424	1305651	Overcast|	Flat	N	B	Light brown
477070.7	5642468	1305652	Overcast|	Flat	N	B	Brown
477083.9	5642517	1305653	Clouds|Su	Flat	N	B	Brown
477104	5642559	1305654	Sun	Flat	N	B	Light brown
477116.9	5642595	1305655	Sun	Gentle	N	B	Brown
476768.2	5642199	1305656	Clear	Flat	N	A	Dark brown
476780.5	5642243	1305657	Clear	Flat	N	A	Dark brown
476754.2	5642153	1305658	Clear	Gentle	N	A	Dark brown
476735.6	5642116	1305659	Clouds	Flat	N	A	Dark brown
476723.3	5642057	1305660	Sun	Flat	N	A	Dark brown
476704	5642012	1305661	Clouds|Su	Flat	N	A	Dark brown
476692.4	5641970	1305662	Sun	Gentle	N	A	Dark brown
476676.3	5641922	1305663	Sun	Gentle	N	A	Dark brown
476657.5	5641867	1305664	Sun	Flat	N	A	Dark brown
476643	5641827	1305665	Sun	Flat	N	A	Dark brown
476628.2	5641785	1305666	Sun	Gentle	N	A	Dark brown
477287.5	5642488	1305667	Overcast	Flat	N	B	Light brown
477277.3	5642457	1305668	Clouds|Su	Flat	N	B	Light brown
477264	5642403	1305669	Sun	Flat	N	B	Light brown
477235.7	5642359	1305670	Sun	Flat	N	B	Brown
477236.4	5642311	1305671	Overcast	Gentle	N	B	Brown
477209	5642273	1305672	Overcast	Gentle	N	B	Brown
477194.3	5642213	1305673	Overcast	Flat	N	B	Brown
477176	5642173	1305674	Overcast	Flat	N	B	Light brown
477163.8	5642120	1305675	Overcast	Flat	N	B	Brown
477148.6	5642074	1305676	Overcast	Flat	N	B	Light brown
477141.5	5642030	1305677	Overcast	Flat	N	B	Brown
477110.4	5641965	1305678	Overcast	Gentle	N	B	Brown
477103.1	5641919	1305679	Overcast	Gentle	N	B	Brown
477090.2	5641878	1305680	Overcast	Gentle	N	B	Brown
477073.2	5641844	1305681	Overcast	Gentle	N	A	Dark brown
477062.6	5641801	1305682	Overcast	Gentle	N	A	Dark brown
477033.2	5641735	1305683	Overcast	Flat	N	A	Dark brown
477021.5	5641692	1305684	Sun	Flat	N	A	Brown
476999.3	5641645	1305685	Overcast	Flat	N	A	Dark brown
477197.3	5641588	1305686	Overcast	Flat	N	B	Light brown

477206.6	5641630	1305687	Overcast	Flat	N	B	Light brown
477221.9	5641676	1305688	Overcast	Flat	N	B	Brown
477247	5641728	1305689	Overcast	Flat	N	B	Brown
477266.8	5641763	1305690	Clouds	Flat	N	B	Brown
476960.4	5642129	1305691	Sun	Flat	S	A	Black|Dark brown
476940.6	5642084	1305692	Sun	Flat	N	A	Black|Dark brown
476926.8	5642040	1305693	Sun	Flat	N	B/C	Light brown|Grey
476908.5	5641993	1305694	Sun	Flat	N	B/C	Light brown|Grey
476891.9	5641946	1305695	Sun	Flat	N	B	Grey
476878.6	5641896	1305696	Sun	Flat	N	A	Black|Dark brown
476860.1	5641852	1305697	Sun	Flat	N	A	Black
476847.4	5641811	1305698	Clouds|Su	Flat	N	A	Black
476833.1	5641753	1305699	Clouds|Su	Flat	N	A	Black
476817	5641715	1305700	Clouds|Su	Flat	S	A	Black
477196.1	5641600	1305701	Clouds|Su	Flat	N	B	Light brown|Brown
477400.2	5641555	1305702	Clouds|Su	Flat	E	B	Brown
477400	5641590	1305703	Clouds|Su	Flat	N	A/B	Brown|Dark brown
477423.3	5641646	1305704	Sun	Flat	N	B	Brown
477437.9	5641688	1305705	Sun	Flat	SE	B	Brown
477454	5641729	1305706	Clouds|Su	Flat	N	B	Brown
477472.7	5641788	1305707	Clouds|Su	Flat	N	B	Light brown
477483.9	5641824	1305708	Clouds|Su	Flat	N	B	Brown
477498.5	5641874	1305709	Clouds|Su	Flat	S	B	Brown
477520.7	5641935	1305710	Sun	Flat	S	B	Brown
477536.8	5641972	1305711	Clouds|Su	Flat	S	B	Brown
477545.3	5642016	1305712	Clouds|Su	Flat	S	B	Brown
477574.6	5642065	1305713	Sun	Flat	SE	B	Brown
477592.7	5642103	1305714	Sun	Gentle	S		Brown
477602.4	5642157	1305715	Sun	Gentle	NE	B	Brown
477617.8	5642201	1305716	Sun	Gentle	NW	B	Light brown
477628.9	5642254	1305717	Sun	Gentle	W	B	Brown
477647.4	5642308	1305718	Sun	Flat	N	B	Brown
477667.8	5642345	1305719	Sun	Flat	W	B	Brown
477677	5642395	1305720	Sun	Flat	SW	B	Brown
477700.1	5642451	1305721	Sun	Flat	N	A/B|B	Dark brown
477766.8	5641424	1305722	Overcast	Flat	N	B/C	Dark brown
477787.6	5641463	1305723	Overcast	Flat	N	B/C	Brown|Grey
477807.2	5641508	1305724	Overcast	Flat	N	B/C	Dark brown |Grey
477815.1	5641557	1305725	Overcast	Flat	N	A/B	Dark brown
477830.5	5641596	1305726	Overcast	Flat	N	B	Dark brown
477853.3	5641655	1305727	Overcast	Flat	N	B	Black|Dark brown
477862.9	5641700	1305728	Overcast	Flat	N	B	Black
477880.8	5641751	1305729	Overcast	Flat	N	B	Black
477897.2	5641790	1305730	Overcast	Flat	N	B/C	Dark brown
477918.3	5641842	1305731	Overcast	Flat	N	C	Grey
477930.3	5641888	1305732	Overcast	Flat	N	C	Grey
477945.3	5641943	1305733	Overcast	Flat	N	B/C	Grey|Dark grey

477962.2	5641987	1305734	Overcast	Flat	N	C	Grey
477978.7	5642036	1305735	Overcast	Flat	N	C	Grey
477991.6	5642083	1305736	Overcast	Flat	N	C	Grey
478003.2	5642124	1305737	Overcast	Flat	N	C	Light grey|Grey
478031.8	5642173	1305738	Clouds|Su	Flat	N	B/C	Brown|Red
478038.5	5642230	1305739	Clouds|Su	Flat	N	B	Light brown|Brown
478056.9	5642262	1305740	Clouds|Su	Flat	N	C	Brown|Red
478080.9	5642319	1305741	Clouds|Su	Flat	E	C	Grey
478086.9	5642369	1305742	Overcast|	Flat	N	C	Light brown|Grey
478113.9	5642406	1305743	Sun	Flat	N	C	Grey|Dark grey
477499.5	5642477	1305744	Overcast|	Flat	SW	B	Brown
477477.9	5642433	1305745	Clouds|Ra	Flat	SW	B	Brown
477462.1	5642381	1305746	Rain	Flat	S	B	Brown
477448.4	5642330	1305747	Clouds|Ra	Flat	NW	B	Brown
476978.6	5642179	1309001	Overcast|	Flat	SW	B	Dark brown
476989.8	5642231	1309002	Sun	Flat	N	B	Dark brown
477003.6	5642273	1309003	Overcast	Flat	N	B	Dark grey
477027.1	5642326	1309004	Clouds	Flat	N	B	Dark brown
477036.6	5642374	1309005	Clouds	Gentle	N	B	Light grey
477036.1	5642375	1309006	Overcast	Flat	N	B	Dark brown
477580.2	5641487	1309007	Sun	Flat	N	B	Light grey|Grey
477595.3	5641530	1309008	Sun	Flat	N	B	Light grey|Grey
477603.5	5641569	1309009	Sun	Flat	N	B	Light grey|Grey
477631.2	5641626	1309010	Sun	Flat	N	C	Dark brown |Grey
477644.3	5641663	1309011	Sun	Flat	N	B/C	Dark brown
477661.1	5641714	1309012	Sun	Flat	N	B	Dark brown
477671.4	5641765	1309013	Sun	Flat	N	B	Brown|Dark brown
477691.4	5641814	1309014	Sun	Flat	N	B	Grey
477693.1	5641856	1309015	Sun	Flat	N	B	Brown|Dark brown
477727.9	5641898	1309016	Sun	Flat	N	B	Brown|Dark brown
477743.7	5641954	1309017	Sun	Flat	N	B	Light grey
477753.2	5641997	1309018	Sun	Flat	N	B	Grey
477776.8	5642045	1309019	Sun	Flat	N	B	Grey
477793.6	5642081	1309020	Sun	Flat	N	B	Grey|Dark grey
477807.1	5642137	1309021	Sun	Flat	N	B	Light grey|Grey
477823.9	5642188	1309022	Sun	Flat	N	B	Light grey|Grey
477840.3	5642237	1309023	Sun	Flat	N	B	Grey
477854.5	5642291	1309024	Sun	Flat	N	B	Grey|Dark grey
477868.8	5642332	1309025	Sun	Flat	N	B	Light grey|Grey
477888.1	5642385	1309026	Sun	Flat	N	B	Grey|Dark grey
477899.1	5642434	1309027	Sun	Flat	N	B	Grey
477914.1	5642471	1309028	Sun	Flat	N	B	Grey
477274.9	5641817	1309029	Clouds|Su	Flat	N	C	Light grey|Grey
477284.2	5641869	1309030	Overcast|	Flat	N	C	Light grey|Grey
477303.1	5641912	1309031	Overcast|	Flat	N	C	Grey|Red
477320	5641959	1309032	Overcast|	Flat	N	B/C	Brown|Dark grey|Red
477336.4	5642007	1309033	Overcast|	Flat	N	C	Light grey|Grey

477349.6	5642051	1309034	Overcast	Gentle	SW	B/C	Brown
477367.9	5642102	1309035	Overcast	Flat	N	B/C	Dark brown |Grey
477383	5642145	1309036	Overcast	Gentle	SW	B/C	Brown
477402.8	5642197	1309037	Overcast|	Gentle	SW	A/B	Black|Dark brown
477418.5	5642236	1309038	Overcast|	Flat	N	B/C	
477436	5642284	1309039	Overcast	Pronoun	NE	B/C	Brown

ground cover	tree cover	texture
Grasses	Spruce	Clay
Grasses	Spruce	Clay/Organic
Grasses	Spruce	Clay/Organic
	Spruce	Clay/Organic
Grasses	Spruce	Clay
Grasses	Spruce	Clay/Coarse
Grasses	N/A	Clay
Grasses	Spruce	Clay
Grasses	Spruce	Clay
Grasses	Spruce	Clay
Grasses	Spruce	Clay
Grasses	Spruce	Clay
Grasses	N/A	
Grasses	N/A	Clay
Grasses	Spruce	Clay
Grasses	N/A	Clay
Grasses	N/A	Clay
Grasses	N/A	Clay
Grasses	Spruce|N/A	Clay
Grasses	N/A	Clay
Grasses	Willows	Clay
Grasses	N/A	Clay
Grasses	N/A	Clay
Grasses	Poplar|Spruce	Clay
Grasses	Poplar|Spruce	Clay|Sandy
Sphagnum moss <10cm	Poplar	
Grasses	Poplar	Clay
Sphagnum moss <10cm	Spruce	Clay
Grasses	Spruce	Clay
Grasses	Spruce	Clay
Grasses	Spruce	Clay
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Grasses	Poplar|Spruce	Clay
Grasses	N/A	Clay
Grasses	Poplar|Spruce	Clay
Grasses	Poplar	Clay
Grasses	Poplar|Spruce	Clay
Grasses	N/A	Organic
Grasses	N/A	Clay
Grasses	N/A	Clay|Clay/Coarse
Grasses	N/A	Clay
Grasses	N/A	Clay
Sphagnum moss >10cm	Spruce	Organic

Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Grasses|Sphagnum moss >10cm	Spruce	Clay
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Grasses	Spruce	Clay
Grasses	Spruce	Clay
Grasses	Poplar|Spruce	Clay
Grasses	Poplar|Spruce	Clay
Sphagnum moss <10cm	Poplar|Spruce	Clay
Grasses	Poplar|Spruce	Clay
Grasses	Poplar|Spruce	Clay
Grasses	Poplar|Spruce	Clay
Grasses	Spruce	Clay|Sandy
Grasses	Poplar|Spruce	Clay
Grasses	Spruce	Clay
Grasses	Spruce	Clay/Organic
Sphagnum moss <10cm	Spruce	Clay/Organic
Grasses	Spruce	Clay
Grasses	Spruce	Clay
Grasses	Spruce	Clay/Organic
Grasses	Spruce	Clay
Grasses	Spruce	Clay
Grasses	Spruce	Clay/Coarse
Grasses	Spruce	Clay/Coarse
Grasses	Spruce	Clay
Grasses	Spruce	Clay
Grasses	Spruce	Clay/Coarse
Grasses	Spruce	Clay
Grasses	Spruce	Clay
Grasses	Poplar	Clay
Grasses	Poplar	Clay/Coarse
Grasses	Spruce	Sandy/Coarse
Grasses	Spruce	Clay
Grasses	Spruce	Clay
Grasses	Poplar	Clay

Grasses	Poplar	Clay/Coarse
Grasses	Poplar	Clay
Grasses	Poplar	Clay
Grasses	Spruce	Clay
Grasses	Poplar	Clay/Organic
Sphagnum moss <10cm	Poplar	Organic
Grasses	Spruce	Clay
Grasses	Poplar	Clay/Coarse
Grasses	Spruce	Clay
Grasses	Poplar|Spruce	Clay
Sphagnum moss <10cm	Poplar|Spruce	Clay
Grasses	Poplar|Spruce	Clay
Grasses	Poplar|Spruce	Clay
Grasses	Poplar|Spruce	Clay
Grasses	Poplar|Spruce	Clay
Grasses	Poplar|Spruce	Clay|Clay/Coarse
Grasses	Poplar|Spruce	Clay
Grasses	Poplar|Spruce	Clay
Grasses	Poplar|Spruce	Clay
Grasses	N/A	Clay
Grasses	N/A	Clay
Grasses	N/A	Clay
Grasses	N/A	Organic
Grasses	Poplar|Spruce	Clay/Organic
Grasses	Poplar|Spruce	Clay|Clay/Coarse
Grasses	Poplar|Spruce	Clay
Grasses	N/A	Clay
Grasses	Poplar|Spruce	Clay
Grasses	Spruce|SubalPine fir	Clay|Clay/Organic
Grasses	Poplar|Spruce|SubalPine fir	Clay|Clay/Coarse
Grasses|Sphagnum moss >10cm	Spruce|SubalPine fir	Clay
Sphagnum moss >10cm|Talus	Poplar|Spruce|SubalPine fir	Clay|Clay/Organic
Grasses	N/A	Organic
Grasses	N/A	Clay/Coarse
Grasses	N/A	Clay
Grasses	N/A	Organic
Grasses	N/A	Organic
Grasses	Poplar|Spruce|SubalPine fir	Organic
Grasses	Poplar|Spruce|SubalPine fir	Organic
Grasses	Poplar|Spruce	Organic
Grasses	Spruce|SubalPine fir	Organic
Grasses	Spruce|SubalPine fir	Organic
Grasses	Spruce	Clay|Organic
Grasses	Spruce|SubalPine fir	Organic
Grasses|Sphagnum moss <10cm	Spruce|SubalPine fir	Organic
Sphagnum moss <10cm	Spruce|SubalPine fir	Organic
Sphagnum moss <10cm	Spruce|SubalPine fir	Organic

Sphagnum moss <10cm	Spruce|SubalPine fir	Organic
Sphagnum moss <10cm	Spruce|SubalPine fir	Organic
Sphagnum moss <10cm	SubalPine fir|Willows	Organic
Sphagnum moss <10cm	Spruce|SubalPine fir	Organic
Sphagnum moss <10cm	Spruce|SubalPine fir	Organic
Sphagnum moss <10cm	Spruce|SubalPine fir	Organic
Grasses	Spruce|SubalPine fir	Clay|Organic
Grasses	Spruce	Clay
Sphagnum moss <10cm	Spruce	Clay/Organic
Sphagnum moss <10cm	Spruce	Clay
Sphagnum moss <10cm	Spruce	Clay/Organic
Grasses	N/A	Clay
Grasses	N/A	Clay/Coarse
Grasses	N/A	Clay/Coarse
Grasses	N/A	Clay/Coarse
Grasses	Poplar	Clay
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Grasses	Spruce	Clay/Coarse
Grasses	Spruce	Clay
Grasses	Poplar	Clay
Grasses	Spruce	Clay
Grasses	Spruce	Clay
Grasses	Poplar	Clay
Grasses	Spruce	Clay
Grasses	Spruce	Clay
Grasses	Spruce	Clay
Grasses	Poplar	
Grasses	Poplar	Clay
Grasses	Spruce	Clay
Grasses	Spruce	Clay
Grasses	Spruce	Clay
Grasses	Spruce	Organic
Sphagnum moss <10cm	Spruce	Clay/Organic
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Grasses	Spruce	Clay

Grasses	Spruce	Clay/Coarse
Grasses	Spruce	Clay/Coarse
Grasses	Spruce	Clay/Coarse
Grasses	Poplar	Sandy
Sphagnum moss >10cm	Buck brush |Poplar	Clay/Organic
Grasses|Sphagnum moss >10cm	Spruce	Clay|Organic
Sphagnum moss >10cm	Spruce	Clay
Sphagnum moss >10cm	Spruce	Clay
Sphagnum moss >10cm	Spruce	Clay
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Spruce	Organic
Sphagnum moss >10cm	Poplar	Organic
Grasses|Sphagnum moss <10cm	Poplar|Spruce	Clay
Grasses|Sphagnum moss <10cm	Spruce	Clay
Sphagnum moss >10cm	Spruce	Clay|Organic
Grasses|Sphagnum moss >10cm	Spruce	Clay
Grasses	Spruce	Clay
Grasses|Sphagnum moss <10cm	Spruce	Clay
Grasses	Spruce	Clay
Grasses	Poplar|Spruce	Clay
Sphagnum moss <10cm	Spruce	Clay
Grasses	Poplar|Spruce	Clay
Grasses	Poplar|Spruce	Clay
Grasses	Spruce	Clay
Grasses	Spruce	Clay
Grasses	Spruce	Clay
Grasses	Poplar|Spruce	Clay
Grasses	Spruce|Willows	Clay
Grasses	Poplar|Spruce	Clay
Grasses	Poplar|Spruce	Clay
Grasses	Spruce	Clay
Grasses	Spruce	Clay
Grasses	Spruce	Clay
Grasses|Sphagnum moss >10cm	Poplar|Spruce	Clay/Organic
Grasses|Sphagnum moss >10cm	Poplar|Spruce	Clay/Organic
Sphagnum moss >10cm	Spruce	Clay/Organic
Sphagnum moss >10cm	Spruce	Clay/Organic
Sphagnum moss >10cm	Spruce	Clay/Organic
Sphagnum moss >10cm	Spruce	Clay/Organic
Sphagnum moss >10cm	Spruce	Clay/Organic
Grasses|Sphagnum moss >10cm	Spruce	Clay/Organic
Grasses|Sphagnum moss >10cm	Spruce	Clay/Organic
Sphagnum moss >10cm	Spruce	Clay
	Spruce	Clay
Sphagnum moss <10cm	Poplar|Spruce	Clay

Grasses|Sphagnum moss <10cm	Poplar|Spruce	Clay
Sphagnum moss >10cm	Spruce	Clay
Grasses|Sphagnum moss <10cm	Spruce	Clay
Grasses	Poplar|Spruce	Clay
Grasses	Poplar|Spruce	Sandy
Grasses	Spruce	Clay/Coarse
Grasses|Sphagnum moss <10cm	Poplar|Spruce	Sandy
Grasses	Spruce	Clay
Grasses	Poplar	Sandy
Grasses	Poplar|Spruce	Clay
Grasses	Willows	Sandy
Grasses	Poplar	Clay/Coarse
Grasses	Poplar|Willows	Sandy
Grasses	Poplar|Spruce|Willows	Sandy
Grasses	Poplar	Clay
Grasses	Poplar|Spruce	Clay
Grasses	Poplar	Clay
Grasses	Spruce	Clay
Grasses	Poplar	Clay
Grasses	N/A	Clay
Grasses	Poplar	Clay
Grasses	Poplar	Clay
Grasses	Poplar	Clay
Grasses|Sphagnum moss <10cm	Poplar|Spruce	Clay
Sphagnum moss >10cm	Spruce	Clay
Grasses|Sphagnum moss >10cm	Spruce	Clay
Grasses	Spruce	Clay
Grasses|Sphagnum moss >10cm	Spruce	Clay
Sphagnum moss >10cm	Spruce	Clay
Sphagnum moss >10cm	Spruce	Clay
Grasses	Poplar|Spruce	Clay/Coarse
Grasses	Spruce	Clay
Grasses	Poplar|Spruce	Clay
Sphagnum moss >10cm	Spruce	Clay
Grasses|Sphagnum moss <10cm	Spruce	Clay
Grasses|Sphagnum moss <10cm	Poplar|Spruce	Clay
Grasses|Sphagnum moss <10cm	Buck brush	Clay
Grasses|Sphagnum moss <10cm	Buck brush |Poplar	Clay
Grasses|Sphagnum moss <10cm	Buck brush |Poplar	Clay
Grasses|Sphagnum moss <10cm	Poplar	
Grasses	Poplar	Clay
Grasses	Poplar	Clay
Sphagnum moss >10cm	Pine|Tamarack	Clay
Grasses|Sphagnum moss <10cm	Pine|Tamarack	Clay
Grasses|Sphagnum moss <10cm	Pine|Tamarack	Clay
Grasses	Spruce|Pine|Tamarack	Clay
Grasses	Poplar|Spruce|Pine|Tamarack	Clay

Grasses	Poplar|Spruce|Pine	Sandy
Grasses|Sphagnum moss <10cm	Spruce|Tamarack	Clay/Organic
Grasses|Sphagnum moss <10cm	Spruce	Sandy
Grasses	Pine	Organic|Sandy
Grasses	Pine|Tamarack	Clay
Caribou lichen	Poplar|Tamarack	Sandy

Quality Analysis ... *Innovative Technologies*

Report No.: **A22-09236**
Report Date: **18-Oct-22**
Date Submitted: **29-Jun-22**
Your Reference: **CONFEDERATION BELT**

Trillium Gold Mines Inc.
1055 West Hastings Street, Suite 2250
Vancouver BC V6E 2E9
Canada

ATTN: William Paterson

CERTIFICATE OF ANALYSIS

281 Soil samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
7-ESE-Enzyme Selective Extraction	QOP Enzyme (Enzyme Selective Extraction ICPMS)	2022-10-06 12:46:02
SGH	Soil Gas Hydrocarbons	

REPORT **A22-09236**

Notes:

SCC Accredited LAB LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Al	Ca	Fe	K	Mg	Na	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.5	5	1	5	2	5	2000	5	2	1	1	5	1	0.1	1	1	0.01	0.05	1	0.1	0.1	1	3
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1305501	16.3	168	17	34	44	10	5000	67	16	422	32	< 5	3	2.5	2	2	< 0.01	< 0.05	< 1	28.9	3.5	86	55
1305502	13.2	212	15	20	44	16	6000	62	45	254	24	< 5	32	2.3	< 1	1	< 0.01	< 0.05	< 1	18.1	13.1	10	25
1305503	86.7	202	81	42	59	19	6000	52	50	599	16	< 5	44	2.2	< 1	4	0.02	0.08	< 1	53.2	14.3	58	111
1305504	18.6	253	15	22	62	19	6000	27	5	4760	50	74	203	14.2	< 1	6	0.04	< 0.05	< 1	17.8	50.0	8	42
1305505	22.6	222	18	26	51	18	6000	89	29	394	12	< 5	22	3.0	< 1	2	0.03	< 0.05	< 1	17.6	4.9	15	80
1305506	4.4	113	4	41	29	8	4000	64	22	103	15	< 5	2	0.7	< 1	< 1	< 0.01	< 0.05	< 1	11.4	1.3	16	22
1305507	2.3	105	4	24	33	16	4000	61	57	305	10	< 5	1	1.5	< 1	< 1	< 0.01	< 0.05	< 1	5.6	0.8	23	31
1305508	6.7	90	6	35	22	7	< 2000	79	25	82	14	< 5	2	1.4	< 1	< 1	< 0.01	< 0.05	< 1	13.9	1.5	23	19
1305509	6.9	102	13	30	27	10	4000	87	32	126	17	< 5	2	1.3	< 1	< 1	< 0.01	< 0.05	< 1	19.2	2.1	17	38
1305510	5.4	72	11	26	21	10	< 2000	92	28	124	14	< 5	1	1.0	< 1	< 1	< 0.01	< 0.05	< 1	17.3	1.7	25	43
1305511	4.1	111	5	32	27	8	< 2000	79	29	112	15	< 5	2	1.4	< 1	< 1	< 0.01	< 0.05	< 1	9.0	1.1	14	30
1305512	6.5	131	9	47	34	10	4000	115	33	129	15	< 5	3	1.6	< 1	< 1	< 0.01	< 0.05	< 1	18.5	2.7	19	57
1305513	6.0	133	8	46	37	10	4000	103	26	131	21	< 5	3	1.4	< 1	< 1	< 0.01	< 0.05	< 1	22.4	2.3	22	28
1305514	7.5	112	9	40	31	10	4000	76	30	117	11	< 5	2	1.0	< 1	< 1	< 0.01	< 0.05	< 1	14.2	3.5	19	42
1305515	2.5	105	4	27	32	10	< 2000	62	26	156	7	< 5	1	0.8	< 1	< 1	< 0.01	< 0.05	< 1	8.2	1.3	28	49
1305516	5.0	116	6	28	38	13	< 2000	90	36	144	12	< 5	2	1.3	< 1	< 1	< 0.01	< 0.05	< 1	21.5	2.5	33	30
1305517	4.4	91	5	21	29	7	3000	59	16	72	13	< 5	< 1	0.5	< 1	< 1	< 0.01	< 0.05	< 1	9.4	1.5	19	16
1305518	2.1	72	5	20	19	6	2000	43	18	115	4	< 5	< 1	0.7	< 1	< 1	< 0.01	< 0.05	< 1	5.5	0.9	7	17
1305519	3.8	108	4	35	25	6	3000	63	17	82	12	< 5	1	1.3	< 1	< 1	< 0.01	< 0.05	< 1	8.5	1.0	15	14
1305520	5.8	143	5	34	40	9	3000	72	28	61	14	< 5	2	1.1	< 1	< 1	< 0.01	< 0.05	< 1	7.9	1.8	15	24
1305521	14.8	168	12	16	34	11	< 2000	60	42	323	9	< 5	15	2.0	< 1	< 1	< 0.01	< 0.05	< 1	10.9	1.5	10	36
1305522	10.4	154	9	11	34	8	< 2000	60	50	166	6	< 5	4	1.0	< 1	< 1	< 0.01	< 0.05	< 1	7.2	2.8	10	31
1305523	7.2	200	7	15	50	10	< 2000	59	11	566	30	< 5	13	2.4	< 1	1	< 0.01	< 0.05	< 1	11.3	2.2	28	44
1305524	5.6	86	6	41	20	7	2000	85	27	57	13	< 5	2	1.3	< 1	< 1	< 0.01	< 0.05	< 1	9.4	1.3	12	31
1305525	4.3	78	4	34	22	8	3000	69	18	68	12	< 5	1	1.2	< 1	< 1	< 0.01	< 0.05	< 1	8.9	1.1	11	21
1305526	5.2	117	4	32	26	7	3000	88	30	68	13	< 5	2	1.1	< 1	< 1	< 0.01	< 0.05	< 1	8.9	1.8	22	26
1305527	58.5	56	55	33	26	8	2000	95	31	174	13	< 5	2	0.9	< 1	1	0.01	< 0.05	< 1	27.1	3.6	21	70
1305528	55.1	72	53	36	28	9	< 2000	117	43	173	13	< 5	2	1.0	< 1	< 1	< 0.01	< 0.05	< 1	22.4	4.2	20	65
1305529	7.8	165	8	18	32	17	< 2000	191	105	327	8	11	17	2.4	< 1	< 1	0.06	< 0.05	< 1	12.3	5.9	9	61
1305530	16.4	168	15	21	35	12	< 2000	172	98	285	10	8	11	1.6	< 1	< 1	0.07	< 0.05	< 1	20.9	4.8	10	61
1305531	38.5	244	35	29	61	25	3000	183	20	1700	24	13	352	3.0	< 1	3	0.05	< 0.05	< 1	16.0	9.3	20	39
1305532	2.5	566	4	25	120	38	12000	294	18	1140	195	< 5	64	2.7	< 1	< 1	0.05	< 0.05	< 1	2.0	1.0	5	25
1305535	4.9	94	4	43	24	9	< 2000	64	24	86	9	< 5	2	0.8	< 1	< 1	0.01	< 0.05	< 1	9.9	1.2	11	21
1305536	18.9	241	16	37	47	18	11000	128	41	525	20	< 5	10	2.0	< 1	1	0.02	< 0.05	< 1	25.4	2.6	46	56
1305537	5.5	155	4	27	37	7	3000	63	22	104	13	< 5	3	0.6	< 1	< 1	< 0.01	< 0.05	< 1	8.7	1.8	31	28
1305538	7.5	125	8	41	36	7	3000	84	24	105	13	< 5	2	1.1	< 1	< 1	< 0.01	< 0.05	< 1	25.0	2.2	16	16
1305539	6.1	193	4	43	55	8	3000	97	30	73	16	< 5	5	1.6	< 1	< 1	< 0.01	< 0.05	< 1	10.9	3.4	15	22
1305541	3.9	112	6	34	28	12	< 2000	55	15	219	12	< 5	3	1.3	< 1	< 1	< 0.01	< 0.05	< 1	7.6	1.2	40	24
1305542	4.3	116	6	37	28	11	< 2000	40	17	189	14	< 5	2	0.8	< 1	< 1	< 0.01	< 0.05	< 1	12.0	1.1	66	22
1305543	4.8	143	5	24	39	11	2000	59	26	256	9	< 5	2	1.2	< 1	< 1	< 0.01	< 0.05	< 1	4.7	1.1	23	34
1305544	6.1	143	10	27	39	17	5000	135	48	316	29	< 5	3	2.2	< 1	< 1	< 0.01	< 0.05	< 1	18.0	2.0	44	42
1305562	27.0	231	24	26	57	25	< 2000	86	44	794	13	< 5	45	1.8	< 1	1	< 0.01	< 0.05	< 1	22.0	7.2	33	51
1305563	39.1	175	34	32	51	12	< 2000	151	89	233	19	< 5	6	1.2	< 1	1	0.02	< 0.05	< 1	30.7	11.4	17	61
1305564	3.6	100	4	31	28	13	< 2000	74	26	158	8	< 5	2	1.2	< 1	< 1	< 0.01	< 0.05	< 1	7.8	1.0	11	21
1305565	5.1	108	6	44	32	11	< 2000	120	37	192	21	< 5	2	0.9	< 1	< 1	< 0.01	< 0.05	< 1	10.8	1.6	68	30
1305566	6.0	133	6	40	34	11	5000	84	25	95	24	< 5	2	2.0	< 1	< 1	< 0.01	< 0.05	< 1	8.8	1.2	24	31
1305567	5.6	97	6	44	32	8	< 2000	103	26	92	17	< 5	1	1.4	< 1	< 1	< 0.01	< 0.05	< 1	10.0	1.2	17	29
1305568	3.7	79	5	39	27	10	3000	68	22	81	13	< 5	1	1.6	< 1	< 1	< 0.01	< 0.05	< 1	10.4	1.3	13	19
1305569	7.0	94	12	26	41	13	3000	71	26	200	31	6	3	1.7	< 1	< 1	< 0.01	< 0.05	< 1	19.1	3.1	49	25
1305570	7.6	71	3	23	17	< 5	6000	33	8	23	18	< 5	< 1	0.8	< 1	< 1	< 0.01	< 0.05	< 1	3.1	0.8	13	14

Analyte Symbol	Al	Ca	Fe	K	Mg	Na	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.5	5	1	5	2	5	2000	5	2	1	1	5	1	0.1	1	1	0.01	0.05	1	0.1	0.1	1	3
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1305571	5.1	106	3	48	25	6	4000	84	16	53	13	< 5	2	1.6	< 1	< 1	< 0.01	< 0.05	< 1	6.0	0.8	27	16
1305572	3.3	81	12	17	25	11	4000	90	20	189	27	< 5	3	1.1	< 1	< 1	< 0.01	< 0.05	< 1	20.8	4.0	33	24
1305573	11.2	263	10	24	53	17	< 2000	173	113	739	22	10	16	1.7	< 1	1	0.01	< 0.05	< 1	20.5	9.0	5	48
1305574	8.6	134	7	29	33	9	4000	81	34	138	31	< 5	3	1.6	< 1	< 1	< 0.01	< 0.05	< 1	14.4	4.0	37	26
1305575	7.5	134	6	42	38	10	3000	143	58	190	17	< 5	2	1.5	< 1	< 1	< 0.01	< 0.05	< 1	23.2	3.9	19	29
1305576	8.6	151	7	44	40	13	4000	117	45	202	11	< 5	3	1.2	< 1	< 1	< 0.01	< 0.05	< 1	12.4	2.6	16	44
1305577	19.1	181	14	24	39	17	5000	129	68	292	9	< 5	7	1.3	< 1	< 1	< 0.01	< 0.05	< 1	18.8	5.3	10	41
1305578	27.7	48	10	30	19	8	7000	139	21	23	16	< 5	< 1	1.1	< 1	< 1	< 0.01	< 0.05	< 1	1.3	1.1	22	33
1305579	37.3	24	8	21	12	< 5	4000	76	13	8	13	< 5	< 1	1.0	< 1	< 1	< 0.01	< 0.05	< 1	0.3	0.6	15	27
1305580	15.9	38	11	16	18	10	4000	72	16	70	31	< 5	3	0.7	< 1	< 1	< 0.01	< 0.05	< 1	1.5	1.0	16	31
1305581	11.8	57	7	14	15	< 5	4000	55	11	45	30	< 5	2	0.4	< 1	< 1	< 0.01	< 0.05	< 1	0.6	0.4	12	16
1305582	11.9	70	14	19	22	8	5000	120	34	90	12	< 5	2	0.7	< 1	< 1	< 0.01	< 0.05	< 1	11.6	1.8	29	33
1305583	7.7	89	12	32	22	7	4000	85	26	138	55	9	3	1.0	< 1	< 1	< 0.01	< 0.05	< 1	6.0	1.4	92	21
1305584	8.4	78	7	29	18	5	2000	83	20	61	13	< 5	< 1	0.6	< 1	< 1	< 0.01	< 0.05	< 1	9.5	1.2	7	16
1305585	6.4	96	5	41	27	7	5000	107	28	96	18	< 5	1	0.8	< 1	< 1	< 0.01	< 0.05	< 1	10.0	1.4	16	15
1305586	4.3	60	5	14	16	6	4000	73	20	57	5	< 5	1	0.2	< 1	< 1	< 0.01	< 0.05	< 1	3.5	1.0	36	16
1305587	6.7	111	5	50	28	10	3000	101	28	123	12	< 5	2	1.1	< 1	< 1	< 0.01	< 0.05	< 1	14.2	1.6	86	26
1305588	24.6	85	6	14	14	5	3000	75	11	35	7	< 5	1	0.9	< 1	< 1	< 0.01	< 0.05	< 1	1.7	1.2	18	25
1305589	16.4	55	6	24	14	5	10000	92	11	16	17	< 5	< 1	0.8	< 1	< 1	< 0.01	< 0.05	< 1	0.4	0.6	13	19
1305590	9.3	98	5	52	27	8	8000	97	31	69	11	< 5	1	1.2	< 1	< 1	< 0.01	< 0.05	< 1	14.7	1.7	12	18
1305591	3.3	88	3	59	24	10	4000	82	24	114	5	< 5	1	1.0	< 1	< 1	< 0.01	< 0.05	< 1	7.0	0.8	7	19
1305592	5.2	104	4	45	27	10	7000	91	15	111	15	< 5	1	1.5	< 1	< 1	< 0.01	< 0.05	< 1	9.2	0.8	11	20
1305593	4.6	99	4	60	25	10	6000	79	18	133	7	< 5	1	1.2	< 1	< 1	< 0.01	< 0.05	< 1	5.0	0.7	11	16
1305594	6.5	112	5	53	30	8	6000	101	27	108	19	< 5	2	1.2	< 1	< 1	< 0.01	< 0.05	< 1	11.9	1.4	14	24
1305595	7.1	123	5	30	34	14	5000	101	32	217	13	< 5	1	1.8	< 1	< 1	< 0.01	< 0.05	< 1	5.8	1.4	45	34
1305596	12.0	197	9	27	47	12	8000	203	45	195	25	< 5	4	1.7	< 1	< 1	< 0.01	< 0.05	< 1	14.8	5.4	27	31
1305597	10.2	340	5	18	64	21	7000	119	29	1080	12	7	20	2.6	< 1	< 1	0.07	< 0.05	< 1	5.6	6.3	9	54
1305598	7.1	306	5	31	72	19	3000	164	43	303	37	8	30	3.0	2	< 1	0.03	< 0.05	< 1	5.4	5.9	11	38
1305599	18.5	212	13	33	50	15	9000	165	64	263	17	8	17	1.2	< 1	< 1	< 0.01	< 0.05	< 1	21.3	9.1	15	47
1305600	5.0	117	4	29	27	9	3000	92	30	80	7	< 5	2	1.6	< 1	< 1	< 0.01	< 0.05	< 1	10.8	2.9	15	19
1305601	7.1	155	6	37	43	11	4000	110	47	93	13	< 5	2	1.2	< 1	< 1	< 0.01	< 0.05	< 1	18.6	4.0	25	26
1305602	9.4	163	7	16	45	16	3000	122	55	125	16	< 5	2	1.0	< 1	< 1	< 0.01	< 0.05	< 1	17.0	4.6	16	27
1305603	22.6	53	12	10	8	8	3000	72	16	47	38	< 5	2	1.0	< 1	< 1	< 0.01	< 0.05	< 1	1.9	1.2	21	26
1305604	28.4	70	14	31	19	11	3000	130	22	22	26	< 5	< 1	1.3	< 1	< 1	< 0.01	< 0.05	< 1	9.5	1.9	17	31
1305605	10.7	171	8	35	46	12	2000	120	38	122	16	< 5	2	1.4	< 1	< 1	< 0.01	< 0.05	< 1	14.6	2.6	11	28
1305606	5.1	101	3	37	27	6	3000	81	17	56	10	< 5	2	1.1	< 1	< 1	< 0.01	< 0.05	< 1	5.1	1.0	21	17
1305607	6.9	117	5	41	25	7	2000	74	23	72	10	< 5	1	0.9	< 1	< 1	< 0.01	< 0.05	< 1	8.5	1.2	6	14
1305608	6.4	190	5	23	29	6	10000	45	13	79	14	< 5	2	1.3	< 1	< 1	< 0.01	< 0.05	< 1	2.9	0.7	10	16
1305609	7.1	46	6	17	12	8	7000	48	7	28	67	< 5	1	1.8	< 1	< 1	< 0.01	< 0.05	< 1	0.3	0.4	12	17
1305610	15.5	103	17	46	25	9	8000	132	38	130	29	< 5	2	1.5	< 1	< 1	< 0.01	< 0.05	< 1	14.6	2.1	13	30
1305611	4.3	106	5	46	28	16	4000	68	20	255	11	< 5	1	1.4	< 1	< 1	< 0.01	< 0.05	< 1	14.2	1.3	31	32
1305612	2.5	97	4	36	30	10	3000	50	25	117	8	< 5	1	0.9	< 1	< 1	< 0.01	< 0.05	< 1	3.9	1.2	26	33
1305613	5.6	94	5	35	24	12	< 2000	79	30	97	4	< 5	< 1	0.6	< 1	< 1	< 0.01	< 0.05	< 1	7.4	1.4	6	30
1305614	18.0	91	16	21	20	7	3000	94	26	114	26	6	1	1.9	< 1	< 1	< 0.01	< 0.05	< 1	6.0	2.7	29	33
1305615	12.5	60	7	10	8	< 5	4000	74	8	4	9	< 5	< 1	0.8	< 1	< 1	< 0.01	< 0.05	< 1	< 0.1	0.5	11	14
1305616	8.9	43	4	13	13	6	7000	30	5	28	22	< 5	< 1	0.9	< 1	< 1	< 0.01	< 0.05	< 1	0.4	0.4	19	20
1305617	6.1	47	12	11	15	11	7000	70	12	116	8	< 5	2	0.6	< 1	< 1	< 0.01	< 0.05	< 1	7.5	1.3	21	20
1305618	5.1	52	4	15	18	7	< 2000	61	12	61	4	< 5	1	0.6	< 1	< 1	< 0.01	< 0.05	< 1	6.1	0.9	21	20
1305619	7.2	74	5	36	26	8	5000	135	32	75	8	< 5	1	1.1	< 1	< 1	< 0.01	< 0.05	< 1	10.7	1.3	12	22
1305620	4.6	110	9	13	29	7	2000	73	21	234	22	< 5	2	0.8	< 1	< 1	< 0.01	< 0.05	< 1	10.7	1.6	17	15

Analyte Symbol	Al	Ca	Fe	K	Mg	Na	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.5	5	1	5	2	5	2000	5	2	1	1	5	1	0.1	1	1	0.01	0.05	1	0.1	0.1	1	3
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1305621	8.7	164	7	22	53	13	4000	98	54	211	14	< 5	7	1.4	< 1	< 1	< 0.01	< 0.05	< 1	19.5	5.5	14	35
1305622	9.0	256	6	20	72	19	8000	97	31	893	49	6	22	2.2	< 1	< 1	0.02	< 0.05	< 1	12.4	5.0	7	28
1305623	10.1	108	24	25	48	15	3000	180	74	251	42	< 5	3	1.8	< 1	< 1	0.01	< 0.05	< 1	63.0	5.3	33	54
1305624	18.2	28	5	6	4	< 5	< 2000	78	7	5	4	< 5	< 1	0.4	< 1	< 1	< 0.01	< 0.05	< 1	0.4	0.8	9	12
1305625	4.1	72	10	12	27	13	4000	54	14	185	13	< 5	1	1.4	< 1	< 1	< 0.01	< 0.05	< 1	7.7	1.0	100	38
1305626	2.9	100	4	31	39	14	< 2000	107	35	172	13	< 5	1	1.6	< 1	< 1	< 0.01	< 0.05	< 1	9.4	1.8	21	25
1305647	4.7	149	4	19	43	17	2000	128	54	249	14	< 5	2	1.5	< 1	< 1	0.01	< 0.05	< 1	14.9	1.4	12	31
1305648	5.3	152	4	31	36	9	2000	85	14	694	14	8	43	1.9	< 1	< 1	0.01	< 0.05	< 1	6.1	2.5	9	24
1305649	4.4	226	3	9	42	12	2000	75	20	914	7	13	10	3.4	< 1	< 1	0.03	< 0.05	< 1	4.5	3.8	6	23
1305650	7.2	241	6	18	51	16	5000	140	27	1230	18	19	64	3.5	< 1	1	0.04	< 0.05	< 1	10.5	9.6	6	45
1305651	5.0	110	4	29	29	16	6000	117	34	119	8	< 5	2	1.5	< 1	< 1	< 0.01	< 0.05	< 1	7.8	1.3	26	26
1305652	6.3	109	6	50	33	13	< 2000	122	35	137	12	< 5	2	1.3	< 1	< 1	< 0.01	< 0.05	< 1	17.3	1.7	12	23
1305653	6.1	118	8	55	36	9	7000	77	19	209	23	< 5	3	1.9	< 1	< 1	< 0.01	< 0.05	< 1	9.4	1.3	81	25
1305654	4.1	85	7	34	30	10	4000	78	21	126	15	< 5	2	1.3	< 1	< 1	< 0.01	< 0.05	< 1	11.6	1.5	27	23
1305655	7.5	130	11	47	43	14	5000	180	61	205	11	< 5	2	1.0	< 1	< 1	< 0.01	< 0.05	< 1	20.9	4.9	12	47
1305667	4.4	87	3	31	25	10	4000	87	23	49	10	< 5	< 1	1.0	< 1	< 1	< 0.01	< 0.05	< 1	5.9	0.9	11	23
1305668	5.3	115	5	40	33	9	< 2000	87	33	135	11	< 5	2	1.4	< 1	< 1	< 0.01	< 0.05	< 1	16.5	1.6	9	15
1305669	3.4	117	6	19	35	8	< 2000	63	26	118	11	< 5	2	1.1	< 1	< 1	< 0.01	< 0.05	< 1	17.8	2.9	47	22
1305670	7.1	79	8	47	26	11	5000	128	43	114	12	< 5	1	1.5	< 1	< 1	< 0.01	< 0.05	< 1	19.0	2.0	18	22
1305671	3.8	71	5	43	25	13	6000	88	33	119	10	5	1	1.2	< 1	< 1	< 0.01	< 0.05	< 1	10.1	1.0	8	20
1305672	5.8	76	6	33	29	16	6000	105	29	126	8	< 5	1	1.3	< 1	< 1	< 0.01	< 0.05	< 1	9.1	1.1	20	25
1305673	6.2	91	5	48	29	12	6000	111	31	95	13	< 5	2	1.7	< 1	< 1	< 0.01	< 0.05	< 1	9.7	1.3	28	29
1305674	5.5	89	7	38	28	10	7000	117	33	75	12	< 5	2	0.7	< 1	< 1	< 0.01	< 0.05	< 1	8.3	1.7	11	23
1305675	4.0	97	4	39	29	11	3000	97	30	161	12	< 5	2	1.2	< 1	< 1	< 0.01	< 0.05	< 1	9.5	1.1	12	18
1305676	13.7	249	11	21	63	18	7000	350	169	549	16	10	18	1.5	< 1	1	0.02	< 0.05	< 1	17.1	1.9	12	50
1305677	5.9	286	5	19	64	18	7000	217	60	727	18	10	29	3.4	< 1	< 1	0.08	< 0.05	< 1	4.2	3.5	6	38
1305678	10.6	239	8	23	59	17	6000	182	98	368	25	< 5	21	2.1	< 1	< 1	0.01	< 0.05	< 1	14.4	7.3	10	38
1305679	8.8	305	6	14	62	27	5000	136	48	690	10	9	45	2.6	< 1	1	0.06	< 0.05	< 1	6.1	4.7	7	34
1305680	2.7	330	3	15	74	33	10000	103	23	2200	20	8	165	2.4	< 1	1	0.03	< 0.05	< 1	1.1	4.1	5	24
1305686	3.2	93	6	31	28	16	< 2000	60	26	187	10	< 5	4	1.2	< 1	< 1	< 0.01	< 0.05	< 1	6.5	1.0	23	30
1305687	7.8	157	4	43	45	15	19000	77	14	61	37	< 5	3	2.2	< 1	< 1	< 0.01	< 0.05	< 1	3.1	0.9	28	37
1305688	5.0	112	5	32	32	15	3000	88	24	100	12	< 5	2	1.5	< 1	< 1	< 0.01	< 0.05	< 1	7.1	1.1	11	38
1305689	6.1	128	8	43	33	10	4000	94	18	170	30	< 5	3	2.3	< 1	< 1	< 0.01	< 0.05	< 1	7.2	0.8	41	28
1305690	8.7	101	14	40	35	12	4000	84	20	152	47	< 5	2	1.8	< 1	< 1	< 0.01	< 0.05	< 1	10.0	1.0	20	41
1305691	9.3	418	6	21	96	32	14000	109	17	3260	33	9	99	7.7	< 1	1	0.12	< 0.05	< 1	3.8	2.9	11	45
1305692	6.5	364	5	24	73	32	16000	117	18	1700	14	< 5	57	1.6	< 1	< 1	0.10	< 0.05	< 1	1.6	1.0	15	39
1305693	41.5	206	35	36	55	18	2000	85	5	2430	32	10	72	3.4	< 1	4	0.03	< 0.05	< 1	44.8	14.5	19	62
1305694	12.8	232	10	24	52	18	4000	57	12	1550	14	10	40	1.7	< 1	2	0.05	< 0.05	< 1	33.3	15.1	16	89
1305695	6.7	207	10	23	52	21	4000	79	8	1980	61	8	122	3.9	< 1	2	0.03	< 0.05	< 1	29.4	15.7	12	49
1305701	3.2	90	6	28	27	17	4000	93	27	210	11	< 5	2	1.3	< 1	< 1	< 0.01	< 0.05	< 1	10.7	1.4	8	27
1305702	7.9	184	7	24	63	22	5000	126	36	372	12	8	9	1.2	< 1	< 1	0.03	< 0.05	< 1	14.4	5.8	17	42
1305703	8.0	218	6	17	62	25	< 2000	97	30	302	7	8	28	0.6	< 1	< 1	0.02	< 0.05	< 1	10.3	13.3	5	37
1305704	7.0	180	5	26	50	17	7000	143	41	344	12	< 5	9	2.7	< 1	< 1	< 0.01	< 0.05	< 1	17.1	7.6	13	55
1305705	5.4	171	4	26	59	23	5000	96	28	305	7	< 5	10	1.7	< 1	< 1	0.05	< 0.05	< 1	9.6	7.1	12	41
1305706	5.2	119	4	32	33	10	5000	110	38	94	9	< 5	3	1.4	< 1	< 1	< 0.01	< 0.05	< 1	13.8	4.8	13	35
1305707	5.5	135	6	27	36	13	4000	95	39	124	8	6	3	1.3	< 1	< 1	0.01	< 0.05	< 1	13.5	3.3	8	46
1305708	6.0	142	6	36	40	17	7000	146	69	175	12	< 5	4	1.2	< 1	< 1	< 0.01	< 0.05	< 1	25.1	6.2	12	47
1305709	4.7	125	4	23	35	9	4000	100	32	77	10	< 5	2	0.9	< 1	< 1	< 0.01	< 0.05	< 1	10.9	3.4	9	33
1305710	3.8	118	2	19	32	9	5000	67	24	57	5	< 5	1	0.8	< 1	< 1	0.01	< 0.05	< 1	6.4	2.9	5	37
1305711	4.4	109	4	34	29	7	4000	102	24	81	7	< 5	2	0.8	< 1	< 1	< 0.01	< 0.05	< 1	8.7	1.2	11	29

Analyte Symbol	Al	Ca	Fe	K	Mg	Na	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.5	5	1	5	2	5	2000	5	2	1	1	5	1	0.1	1	1	0.01	0.05	1	0.1	0.1	1	3
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1305712	3.7	97	4	33	24	9	6000	94	23	98	15	< 5	1	1.3	< 1	< 1	< 0.01	< 0.05	< 1	10.7	0.9	11	21
1305713	7.0	71	6	34	24	13	7000	103	27	63	13	< 5	2	0.8	< 1	< 1	< 0.01	< 0.05	< 1	10.2	1.3	16	29
1305714	5.2	97	5	36	25	9	5000	113	30	70	13	< 5	1	0.8	< 1	< 1	< 0.01	< 0.05	< 1	9.6	1.4	31	25
1305715	2.9	77	3	31	21	10	5000	64	18	95	5	< 5	< 1	0.8	< 1	< 1	< 0.01	< 0.05	< 1	6.3	0.8	4	15
1305716	4.6	125	4	33	35	12	7000	141	46	127	11	5	2	1.5	< 1	< 1	< 0.01	< 0.05	< 1	9.0	1.3	25	37
1305717	5.9	160	7	27	46	16	7000	152	41	210	29	< 5	3	2.4	< 1	< 1	< 0.01	< 0.05	< 1	16.6	4.3	24	43
1305718	1.9	72	4	9	18	< 5	5000	29	9	25	6	< 5	< 1	1.4	< 1	< 1	< 0.01	< 0.05	< 1	3.4	2.0	7	25
1305719	3.7	85	4	22	23	11	8000	98	26	96	7	< 5	1	0.9	< 1	< 1	< 0.01	< 0.05	< 1	9.9	1.1	8	15
1305720	10.6	67	8	25	18	7	5000	86	22	60	22	5	2	1.3	< 1	< 1	< 0.01	< 0.05	< 1	11.8	1.2	18	21
1305721	7.6	146	7	40	36	11	3000	123	31	90	22	7	3	2.1	< 1	< 1	< 0.01	< 0.05	< 1	13.2	1.9	44	55
1305722	8.3	198	9	22	54	15	6000	81	35	117	29	< 5	14	2.1	< 1	< 1	< 0.01	< 0.05	< 1	9.6	1.2	17	25
1305723	8.6	214	18	10	41	14	4000	54	11	690	11	< 5	36	1.5	< 1	< 1	0.01	< 0.05	< 1	14.2	5.0	14	52
1305724	2.1	207	1	11	47	10	3000	20	5	149	15	< 5	10	2.3	< 1	< 1	< 0.01	< 0.05	< 1	0.6	0.3	3	10
1305725	6.8	442	4	14	93	25	12000	101	18	1490	39	5	70	2.6	< 1	< 1	0.04	< 0.05	< 1	1.9	0.8	12	23
1305726	3.6	365	2	15	86	22	8000	97	13	1760	52	7	94	2.3	< 1	< 1	0.04	< 0.05	< 1	1.0	0.4	6	22
1305727	3.3	358	4	8	67	19	9000	113	34	582	49	9	111	2.4	< 1	< 1	0.02	< 0.05	< 1	1.1	0.7	9	17
1305728	2.9	369	3	21	71	28	10000	211	69	903	104	7	95	3.6	< 1	< 1	0.02	< 0.05	< 1	1.5	1.0	6	20
1305729	7.0	335	5	22	79	35	11000	334	105	543	99	8	45	2.6	< 1	< 1	0.04	< 0.05	< 1	2.5	11.3	14	39
1305730	10.9	233	11	30	55	17	6000	166	39	193	22	< 5	6	1.5	< 1	< 1	0.01	< 0.05	< 1	14.3	10.4	4	49
1305731	6.3	133	7	41	50	11	5000	132	37	175	25	< 5	6	1.9	< 1	< 1	< 0.01	< 0.05	< 1	11.0	1.4	57	48
1305732	4.8	56	6	19	20	5	4000	52	16	48	15	< 5	1	1.1	< 1	< 1	< 0.01	< 0.05	< 1	5.3	1.1	14	21
1305733	5.5	136	5	42	41	10	5000	126	27	81	16	6	3	1.2	< 1	< 1	< 0.01	< 0.05	< 1	8.4	1.2	18	33
1305734	6.0	89	5	23	25	8	7000	93	16	52	11	< 5	1	0.8	< 1	< 1	< 0.01	< 0.05	< 1	8.4	1.1	16	19
1305735	6.9	101	6	28	30	8	5000	82	23	71	13	< 5	1	1.2	< 1	< 1	< 0.01	< 0.05	< 1	10.1	1.2	12	20
1305736	3.9	93	4	17	23	7	< 2000	68	18	52	8	< 5	2	0.7	< 1	< 1	< 0.01	< 0.05	< 1	5.4	0.9	15	19
1305737	3.9	64	13	9	20	7	3000	40	10	136	15	< 5	2	0.4	< 1	< 1	< 0.01	< 0.05	< 1	4.5	1.6	20	41
1305738	13.5	26	10	9	9	8	3000	46	9	48	28	< 5	1	0.7	< 1	< 1	< 0.01	< 0.05	< 1	1.3	0.7	24	23
1305739	24.9	40	20	11	16	9	2000	130	28	97	51	< 5	3	1.3	< 1	< 1	< 0.01	< 0.05	< 1	6.4	2.3	25	48
1305740	11.7	35	13	10	12	5	2000	57	15	39	25	< 5	< 1	1.3	< 1	< 1	< 0.01	< 0.05	< 1	3.5	1.3	34	26
1305741	5.0	55	6	18	16	8	7000	82	16	56	9	< 5	< 1	1.1	< 1	< 1	< 0.01	< 0.05	< 1	6.1	1.0	17	18
1305742	10.6	64	6	34	15	6	5000	51	9	28	11	< 5	< 1	1.8	< 1	< 1	< 0.01	< 0.05	< 1	3.2	0.5	9	19
1305743	5.2	169	6	47	33	9	7000	83	23	325	21	6	4	2.3	< 1	< 1	< 0.01	< 0.05	< 1	10.6	1.1	75	28
1305744	7.3	96	6	34	25	7	3000	64	14	61	32	< 5	3	1.7	< 1	< 1	< 0.01	< 0.05	< 1	3.8	1.0	10	21
1305745	4.3	130	5	37	37	14	10000	152	36	169	10	< 5	2	1.0	< 1	< 1	< 0.01	< 0.05	< 1	8.3	2.4	54	52
1305746	8.3	117	11	35	24	9	4000	135	29	124	21	5	3	1.3	< 1	< 1	< 0.01	< 0.05	< 1	10.1	2.7	12	29
1305747	17.9	90	6	37	20	8	7000	118	22	45	17	7	2	1.3	< 1	< 1	< 0.01	< 0.05	< 1	6.4	3.4	9	24
1309001	9.4	258	8	20	51	24	8000	91	25	748	11	11	21	3.1	< 1	< 1	0.06	< 0.05	< 1	14.8	31.7	9	67
1309007	4.1	52	8	25	15	< 5	< 2000	49	9	68	19	< 5	2	1.9	< 1	< 1	< 0.01	< 0.05	< 1	6.8	1.2	66	24
1309008	7.2	99	7	41	26	9	4000	126	34	92	16	< 5	2	1.4	< 1	< 1	< 0.01	< 0.05	< 1	12.0	1.9	39	37
1309009	4.2	110	6	45	30	14	9000	142	46	129	16	8	2	1.5	< 1	< 1	< 0.01	< 0.05	< 1	19.6	3.1	18	25
1309010	7.2	222	7	21	58	16	5000	120	37	175	25	< 5	16	2.0	< 1	< 1	< 0.01	< 0.05	< 1	12.2	2.6	53	42
1309011	7.9	194	7	19	58	18	6000	130	36	189	18	9	6	1.7	< 1	< 1	< 0.01	< 0.05	< 1	20.0	12.4	11	37
1309012	7.4	165	6	29	50	12	9000	175	52	188	25	7	3	1.9	< 1	< 1	< 0.01	< 0.05	< 1	33.3	4.9	21	40
1309013	10.7	166	9	20	48	13	8000	177	46	154	17	< 5	3	1.4	< 1	< 1	< 0.01	< 0.05	< 1	32.2	14.9	10	36
1309014	7.7	148	6	20	41	8	6000	124	38	86	16	< 5	2	1.1	< 1	< 1	< 0.01	< 0.05	< 1	25.9	7.6	15	23
1309015	5.1	154	3	13	38	8	3000	55	19	153	6	< 5	4	0.9	< 1	< 1	< 0.01	< 0.05	< 1	10.1	4.6	9	18
1309016	9.0	162	8	31	45	17	8000	135	40	160	16	7	3	1.5	< 1	< 1	< 0.01	< 0.05	< 1	27.1	6.7	7	37
1309017	4.7	113	4	25	28	7	5000	97	26	83	26	< 5	2	1.3	< 1	< 1	< 0.01	< 0.05	< 1	8.5	0.9	19	440
1309018	4.6	103	4	27	27	8	6000	88	19	51	16	< 5	2	1.4	< 1	< 1	< 0.01	< 0.05	< 1	7.4	1.1	24	20
1309019	4.9	89	4	27	23	7	< 2000	97	22	68	10	< 5	1	1.0	< 1	< 1	< 0.01	< 0.05	< 1	6.9	1.2	17	21

Analyte Symbol	Al	Ca	Fe	K	Mg	Na	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.5	5	1	5	2	5	2000	5	2	1	1	5	1	0.1	1	1	0.01	0.05	1	0.1	0.1	1	3
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1309020	4.9	132	4	24	28	5	3000	84	18	91	22	< 5	2	1.6	< 1	< 1	< 0.01	< 0.05	< 1	9.1	1.2	27	19
1309021	2.8	83	3	20	23	< 5	4000	54	13	63	9	< 5	< 1	1.1	< 1	< 1	< 0.01	< 0.05	< 1	6.7	0.8	10	15
1309022	3.6	76	8	21	18	5	4000	55	11	57	9	< 5	< 1	1.0	< 1	< 1	< 0.01	< 0.05	< 1	4.4	0.7	11	21
1309023	17.1	31	13	5	8	5	7000	48	5	38	7	< 5	< 1	0.5	< 1	< 1	< 0.01	< 0.05	< 1	2.1	1.1	16	22
1309024	4.4	70	4	15	15	5	3000	55	14	57	6	< 5	1	0.7	< 1	< 1	< 0.01	< 0.05	< 1	7.7	1.1	7	12
1309025	7.0	150	4	32	30	8	9000	111	27	63	15	< 5	2	1.3	< 1	< 1	< 0.01	< 0.05	< 1	8.3	1.6	24	20
1309026	6.2	136	5	30	29	7	5000	93	25	55	14	< 5	2	1.2	< 1	< 1	< 0.01	< 0.05	< 1	8.2	1.6	17	28
1309027	2.8	78	3	21	19	< 5	4000	38	11	54	5	5	< 1	0.8	< 1	< 1	< 0.01	< 0.05	< 1	5.1	0.6	10	14
1309028	2.9	81	3	38	22	6	4000	68	14	71	7	< 5	1	1.1	< 1	< 1	< 0.01	< 0.05	< 1	4.0	0.6	10	14
1309029	4.0	82	5	39	28	13	3000	99	23	117	12	< 5	1	1.2	< 1	< 1	< 0.01	< 0.05	< 1	8.0	0.9	14	21
1309030	8.0	34	7	12	11	< 5	< 2000	45	13	29	3	< 5	< 1	0.5	< 1	< 1	< 0.01	< 0.05	< 1	2.6	0.6	13	16
1309031	13.1	24	9	< 5	7	< 5	4000	18	3	23	6	< 5	< 1	0.7	< 1	< 1	< 0.01	< 0.05	< 1	< 0.1	0.7	14	11
1309032	4.3	87	5	13	14	< 5	5000	35	< 2	44	23	< 5	< 1	1.5	< 1	< 1	< 0.01	< 0.05	< 1	< 0.1	0.3	12	16
1309033	4.1	92	5	28	23	12	8000	59	19	97	12	6	1	1.3	< 1	< 1	< 0.01	< 0.05	< 1	8.2	0.9	19	19
1309034	22.7	33	10	18	12	8	9000	79	14	38	7	< 5	< 1	0.9	< 1	< 1	< 0.01	< 0.05	< 1	1.3	0.9	63	37
1309035	14.2	48	15	9	15	6	6000	107	14	90	26	< 5	1	1.0	< 1	< 1	< 0.01	< 0.05	< 1	2.3	1.0	21	25
1309036	20.5	32	9	13	10	< 5	5000	43	8	21	13	< 5	1	0.8	< 1	< 1	< 0.01	< 0.05	< 1	0.5	0.8	24	34
1309037	14.7	77	25	50	25	< 5	9000	112	20	225	61	< 5	6	1.2	< 1	< 1	< 0.01	< 0.05	< 1	3.0	0.8	21	34
1309038	5.7	38	11	19	10	< 5	5000	66	7	61	6	< 5	< 1	0.4	< 1	< 1	< 0.01	< 0.05	< 1	2.2	4.2	33	21
1309039	26.7	19	4	11	5	< 5	5000	74	5	4	2	< 5	< 1	0.4	< 1	< 1	< 0.01	< 0.05	< 1	< 0.1	0.7	18	14

Analyte Symbol	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	Ti	Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd	Sm
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	3	10	1	1	0.5	0.2	0.2	0.1	0.8	0.1	0.8	100	20	0.5	1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1305501	94	70	7	5	3.0	0.3	1.2	< 0.1	0.9	0.3	< 0.8	1700	40	36.3	202	9	4.6	0.4	52.8	149	16.0	62.7	12.4
1305502	44	40	6	4	1.4	< 0.2	0.7	< 0.1	< 0.8	0.2	< 0.8	1000	30	16.1	99	5	2.4	0.4	33.3	58.5	8.3	29.9	5.4
1305503	101	180	28	29	6.1	0.4	2.0	0.1	3.0	0.9	0.9	5300	180	46.1	268	21	7.1	1.5	120	239	28.0	99.4	16.6
1305504	94	50	9	6	3.7	< 0.2	1.3	< 0.1	1.0	0.3	< 0.8	1500	40	17.7	108	8	2.6	0.5	44.2	85.5	9.5	35.0	5.5
1305505	73	120	7	6	2.6	0.3	1.5	< 0.1	0.9	0.3	< 0.8	1500	40	31.9	151	7	3.0	0.5	61.8	84.2	15.1	61.2	10.3
1305506	16	60	1	< 1	0.7	< 0.2	1.2	< 0.1	< 0.8	< 0.1	< 0.8	900	< 20	7.5	70	5	2.2	0.1	13.4	31.7	4.1	16.4	3.0
1305507	34	40	< 1	< 1	< 0.5	< 0.2	0.5	< 0.1	< 0.8	0.1	< 0.8	800	< 20	16.0	71	5	1.5	< 0.1	17.6	38.1	7.7	34.6	7.1
1305508	21	80	2	< 1	0.6	< 0.2	1.2	< 0.1	< 0.8	0.1	< 0.8	900	< 20	8.1	72	4	2.2	0.1	17.0	49.2	5.2	19.9	3.5
1305509	24	90	4	< 1	2.5	< 0.2	1.0	< 0.1	< 0.8	0.3	< 0.8	1200	30	11.5	82	4	2.6	0.1	22.1	61.7	7.0	27.1	5.1
1305510	30	130	1	< 1	0.7	< 0.2	1.6	< 0.1	< 0.8	0.2	< 0.8	900	20	15.1	89	3	2.5	< 0.1	30.6	86.3	10.6	42.0	7.9
1305511	25	90	4	< 1	0.9	< 0.2	1.2	< 0.1	< 0.8	0.1	< 0.8	900	< 20	13.3	68	4	2.0	0.1	22.9	45.4	7.9	31.7	5.8
1305512	31	60	1	1	1.5	< 0.2	0.9	< 0.1	< 0.8	< 0.1	< 0.8	800	20	18.8	91	4	2.4	0.1	35.2	79.6	11.0	43.6	8.0
1305513	36	100	2	1	< 0.5	< 0.2	1.5	< 0.1	< 0.8	0.1	< 0.8	1200	< 20	11.0	119	7	3.1	0.2	24.2	71.3	7.8	30.2	5.6
1305514	21	50	2	1	< 0.5	< 0.2	1.0	< 0.1	< 0.8	0.2	< 0.8	800	< 20	15.7	73	4	2.2	0.1	29.5	71.2	9.4	36.8	6.3
1305515	20	40	< 1	< 1	< 0.5	< 0.2	1.0	< 0.1	< 0.8	0.1	< 0.8	500	< 20	15.0	74	3	1.8	< 0.1	21.5	55.5	8.2	33.9	6.7
1305516	33	40	1	< 1	1.1	< 0.2	0.8	< 0.1	< 0.8	0.1	< 0.8	900	< 20	20.5	116	5	3.0	0.2	32.6	78.2	11.2	46.9	8.4
1305517	13	40	1	< 1	0.6	< 0.2	0.8	< 0.1	< 0.8	< 0.1	< 0.8	600	< 20	7.7	41	3	1.4	0.1	12.3	34.6	4.3	17.4	3.2
1305518	12	50	< 1	< 1	< 0.5	< 0.2	0.3	< 0.1	< 0.8	< 0.1	< 0.8	800	< 20	6.8	32	3	1.1	< 0.1	11.6	33.0	4.2	16.9	3.3
1305519	14	70	< 1	< 1	< 0.5	< 0.2	0.7	< 0.1	< 0.8	< 0.1	< 0.8	800	< 20	5.4	56	4	1.7	0.1	10.2	25.6	3.3	13.0	2.4
1305520	15	70	< 1	1	0.8	< 0.2	1.3	< 0.1	< 0.8	< 0.1	< 0.8	900	< 20	5.6	39	4	1.3	0.1	10.4	25.7	3.0	12.7	2.3
1305521	22	50	4	4	1.7	< 0.2	0.8	< 0.1	< 0.8	0.2	< 0.8	900	30	17.2	68	4	1.7	0.3	35.6	50.6	9.1	35.5	5.8
1305522	19	40	2	3	0.6	< 0.2	0.6	< 0.1	< 0.8	0.2	< 0.8	600	20	10.3	58	3	1.5	0.2	20.3	29.9	5.2	20.4	3.5
1305523	81	40	4	1	< 0.5	< 0.2	1.4	< 0.1	< 0.8	0.2	< 0.8	800	< 20	20.7	59	5	1.5	0.2	42.4	92.8	10.6	42.4	7.1
1305524	19	100	1	< 1	< 0.5	< 0.2	1.6	< 0.1	< 0.8	< 0.1	< 0.8	900	< 20	8.0	43	4	1.4	< 0.1	16.2	45.4	5.0	19.1	3.8
1305525	17	80	< 1	< 1	< 0.5	< 0.2	1.7	< 0.1	< 0.8	0.1	< 0.8	600	< 20	4.8	45	3	1.5	< 0.1	9.9	25.6	3.0	12.5	2.4
1305526	18	100	< 1	< 1	1.5	< 0.2	2.1	< 0.1	< 0.8	< 0.1	< 0.8	600	< 20	11.3	38	3	1.2	< 0.1	20.4	44.0	6.3	24.7	5.0
1305527	51	180	19	21	3.9	< 0.2	1.0	0.1	1.8	0.7	< 0.8	3300	130	23.0	132	13	4.5	0.9	49.9	125	13.5	53.1	9.1
1305528	53	150	16	19	4.9	< 0.2	0.7	< 0.1	1.8	0.6	< 0.8	2900	120	24.6	109	11	4.0	0.7	54.0	117	14.9	56.1	10.1
1305529	48	30	3	< 1	1.9	< 0.2	0.8	< 0.1	< 0.8	0.1	< 0.8	400	30	61.6	81	3	2.1	0.2	123	131	33.8	134	22.7
1305530	39	50	5	4	< 0.5	< 0.2	0.9	< 0.1	< 0.8	0.2	< 0.8	900	40	36.2	103	4	2.8	0.3	66.2	95.4	19.5	73.3	13.4
1305531	78	100	14	13	3.2	0.2	0.6	< 0.1	1.6	0.4	< 0.8	2600	80	15.6	109	11	3.1	0.8	35.8	62.9	7.8	29.3	5.5
1305532	24	210	2	< 1	< 0.5	1.8	0.4	< 0.1	< 0.8	0.4	< 0.8	200	< 20	1.9	10	1	0.4	< 0.1	3.0	5.3	0.7	2.8	0.4
1305535	15	70	1	< 1	< 0.5	< 0.2	0.6	< 0.1	< 0.8	0.1	< 0.8	800	< 20	7.3	64	4	2.1	0.1	12.9	30.3	3.9	15.0	3.1
1305536	69	80	5	5	1.3	< 0.2	1.4	< 0.1	< 0.8	0.2	< 0.8	1800	40	55.6	162	9	4.1	0.5	86.5	182	26.3	106	18.8
1305537	10	80	1	< 1	< 0.5	< 0.2	1.5	< 0.1	< 0.8	< 0.1	< 0.8	700	< 20	8.4	44	4	1.4	0.2	16.3	37.9	4.6	17.9	3.2
1305538	22	40	2	2	< 0.5	< 0.2	0.7	< 0.1	< 0.8	< 0.1	< 0.8	900	20	15.4	103	5	3.0	0.2	25.2	66.0	8.3	33.7	6.2
1305539	18	40	1	< 1	< 0.5	< 0.2	0.8	< 0.1	< 0.8	< 0.1	< 0.8	400	< 20	11.8	50	2	1.5	0.1	23.8	47.4	6.5	25.3	4.5
1305541	24	70	1	< 1	0.8	< 0.2	1.0	< 0.1	< 0.8	0.2	< 0.8	1100	< 20	7.0	55	4	1.5	0.1	14.9	46.3	4.5	17.4	2.9
1305542	25	80	1	< 1	< 0.5	< 0.2	1.4	< 0.1	< 0.8	0.1	< 0.8	1500	< 20	6.5	69	7	2.0	0.1	12.2	62.3	4.6	17.5	3.2
1305543	21	40	1	1	< 0.5	< 0.2	0.3	< 0.1	< 0.8	< 0.1	< 0.8	600	< 20	8.7	46	3	1.1	0.1	13.2	28.5	4.4	17.2	3.3
1305544	53	50	1	< 1	< 0.5	< 0.2	1.0	< 0.1	< 0.8	0.2	< 0.8	1700	20	20.3	100	6	2.8	0.2	34.0	85.9	11.7	47.7	8.9
1305562	61	70	8	7	2.7	< 0.2	0.5	< 0.1	0.9	0.3	< 0.8	1700	50	22.5	120	7	2.9	0.5	47.5	110	12.1	45.4	7.7
1305563	42	80	8	11	3.4	0.3	0.5	< 0.1	1.2	0.5	< 0.8	2200	70	37.8	176	9	4.9	0.6	79.9	96.8	20.4	77.8	13.6
1305564	15	50	< 1	< 1	< 0.5	< 0.2	0.8	< 0.1	< 0.8	0.1	< 0.8	1100	< 20	9.0	71	4	2.1	< 0.1	15.6	36.5	4.9	19.6	3.4
1305565	23	120	1	< 1	0.7	< 0.2	1.9	< 0.1	< 0.8	0.3	< 0.8	1700	< 20	9.3	91	6	2.6	0.1	16.1	40.0	5.2	20.9	3.6
1305566	19	340	6	< 1	1.2	< 0.2	3.4	< 0.1	< 0.8	0.2	< 0.8	900	< 20	7.0	51	4	1.6	0.1	14.3	37.6	4.2	16.2	3.1
1305567	17	80	1	< 1	1.2	< 0.2	1.2	< 0.1	< 0.8	0.1	< 0.8	1100	< 20	7.8	58	5	2.0	0.1	16.1	42.3	4.9	19.7	3.4
1305568	17	50	2	< 1	1.2	< 0.2	0.7	< 0.1	< 0.8	0.1	< 0.8	1100	< 20	4.6	73	5	2.2	0.1	9.5	29.6	3.1	13.0	2.4
1305569	46	60	2	1	< 0.5	< 0.2	1.1	< 0.1	< 0.8	0.2	< 0.8	1500	30	8.9	74	6	2.1	0.2	18.8	62.5	6.5	28.2	4.5
1305570	6	70	3	1	< 0.5	< 0.2	0.6	< 0.1	< 0.8	< 0.1	< 0.8	600	< 20	1.6	5	1	0.2	< 0.1	3.3	8.1	0.9	3.6	0.7

Analyte Symbol	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	Ti	Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd	Sm
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	3	10	1	1	0.5	0.2	0.2	0.1	0.8	0.1	0.8	100	20	0.5	1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1305571	11	110	2	< 1	< 0.5	< 0.2	1.1	< 0.1	< 0.8	0.1	< 0.8	600	< 20	2.5	26	2	0.8	< 0.1	4.1	14.9	1.2	5.2	1.0
1305572	57	50	1	< 1	1.6	< 0.2	0.5	< 0.1	< 0.8	< 0.1	< 0.8	1000	20	15.7	70	5	2.0	0.2	30.6	106	11.6	50.2	8.8
1305573	42	30	2	2	2.1	< 0.2	0.5	< 0.1	< 0.8	0.2	< 0.8	800	30	26.6	94	4	2.5	0.3	53.2	58.8	13.7	56.9	8.9
1305574	20	70	2	< 1	< 0.5	< 0.2	1.1	< 0.1	< 0.8	0.1	< 0.8	900	20	14.6	47	3	1.4	0.1	23.5	54.1	7.3	30.5	5.5
1305575	37	30	1	1	< 0.5	< 0.2	0.7	< 0.1	< 0.8	0.1	< 0.8	900	< 20	30.9	137	5	3.3	0.2	37.5	69.2	14.4	62.9	11.4
1305576	29	50	1	1	1.3	< 0.2	0.7	< 0.1	< 0.8	< 0.1	< 0.8	800	< 20	22.7	86	4	1.8	0.2	37.0	74.7	11.7	50.0	8.1
1305577	40	50	5	4	2.6	< 0.2	0.7	< 0.1	< 0.8	0.2	< 0.8	1200	30	29.2	123	5	2.8	0.4	51.0	67.0	13.7	55.7	9.2
1305578	9	130	4	2	0.8	< 0.2	1.0	< 0.1	< 0.8	0.9	< 0.8	500	< 20	2.0	5	< 1	0.2	< 0.1	3.5	7.5	0.9	4.0	0.7
1305579	6	80	3	1	0.6	< 0.2	1.9	< 0.1	< 0.8	0.5	< 0.8	400	< 20	0.9	3	< 1	0.1	< 0.1	1.4	2.9	0.3	1.5	0.3
1305580	6	90	2	3	0.7	< 0.2	0.7	< 0.1	< 0.8	0.3	< 0.8	1600	< 20	2.8	8	2	0.2	0.1	4.2	8.8	1.1	4.3	0.7
1305581	4	90	2	4	0.7	< 0.2	1.2	< 0.1	< 0.8	0.1	< 0.8	2200	< 20	1.0	4	3	0.2	0.1	1.1	2.7	0.3	1.6	0.2
1305582	21	80	2	1	1.5	< 0.2	0.6	< 0.1	< 0.8	0.5	< 0.8	1300	30	8.5	46	3	1.4	0.1	16.7	48.6	5.2	20.6	4.0
1305583	20	110	3	1	1.9	< 0.2	1.3	< 0.1	< 0.8	0.1	< 0.8	1800	20	3.0	29	5	1.0	0.2	5.2	15.7	1.6	6.5	1.3
1305584	13	70	2	< 1	< 0.5	< 0.2	0.3	< 0.1	< 0.8	0.2	< 0.8	1100	< 20	4.2	38	4	1.3	0.1	8.7	24.3	2.4	10.0	1.6
1305585	18	60	1	< 1	< 0.5	< 0.2	1.0	< 0.1	< 0.8	< 0.1	< 0.8	1100	< 20	6.6	51	4	1.6	< 0.1	11.1	34.1	3.8	16.6	3.0
1305586	12	50	1	< 1	0.6	< 0.2	0.5	< 0.1	< 0.8	0.2	< 0.8	800	< 20	6.4	24	3	0.8	< 0.1	8.9	28.5	3.3	14.8	3.1
1305587	19	60	1	< 1	0.8	< 0.2	0.8	< 0.1	< 0.8	0.2	< 0.8	1300	< 20	10.3	83	5	2.5	< 0.1	16.8	50.8	5.5	23.8	4.3
1305588	5	60	1	< 1	0.7	< 0.2	1.1	< 0.1	< 0.8	0.5	< 0.8	400	< 20	3.6	9	< 1	0.3	< 0.1	4.8	11.2	1.5	5.8	1.2
1305589	8	100	3	3	< 0.5	< 0.2	1.2	< 0.1	< 0.8	0.2	< 0.8	1100	< 20	1.4	3	1	0.1	< 0.1	2.6	5.6	0.6	2.6	0.4
1305590	20	80	2	< 1	0.8	< 0.2	0.6	< 0.1	< 0.8	0.3	< 0.8	1300	20	8.5	79	5	2.6	0.1	15.2	48.1	4.9	22.1	3.9
1305591	20	80	< 1	< 1	0.8	< 0.2	0.3	< 0.1	< 0.8	0.1	< 0.8	900	< 20	9.0	63	4	1.7	0.1	14.3	49.7	5.4	24.2	4.0
1305592	17	90	1	< 1	< 0.5	< 0.2	0.9	< 0.1	< 0.8	0.1	< 0.8	1000	< 20	8.9	73	4	2.1	< 0.1	15.4	33.2	4.6	19.0	3.2
1305593	11	100	1	< 1	0.9	< 0.2	0.5	< 0.1	< 0.8	< 0.1	< 0.8	800	< 20	4.9	56	3	1.6	0.1	7.1	20.7	2.4	9.9	2.0
1305594	19	110	1	< 1	< 0.5	< 0.2	1.4	< 0.1	< 0.8	0.1	< 0.8	1000	< 20	10.7	78	4	2.4	0.1	17.2	43.2	5.7	24.4	4.3
1305595	13	70	2	2	0.5	< 0.2	1.0	< 0.1	< 0.8	0.2	< 0.8	900	< 20	9.3	58	4	1.5	0.1	11.2	34.3	3.9	16.5	2.9
1305596	27	70	3	2	1.6	< 0.2	1.0	< 0.1	< 0.8	0.2	< 0.8	800	20	21.6	90	4	2.5	0.2	30.1	55.3	9.5	41.4	7.1
1305597	39	40	2	< 1	1.2	< 0.2	0.7	< 0.1	< 0.8	0.1	< 0.8	1100	< 20	13.0	35	4	0.8	0.2	21.0	42.0	5.3	21.7	3.4
1305598	34	60	2	< 1	1.0	< 0.2	0.9	< 0.1	< 0.8	0.1	< 0.8	800	< 20	10.1	33	3	0.8	0.2	17.7	37.0	4.7	18.8	3.4
1305599	29	50	4	4	1.9	< 0.2	0.6	< 0.1	< 0.8	0.2	< 0.8	1100	30	24.8	139	5	3.4	0.4	35.3	69.2	9.4	40.5	7.0
1305600	13	60	< 1	1	< 0.5	< 0.2	0.8	< 0.1	< 0.8	< 0.1	< 0.8	600	< 20	13.5	78	3	2.1	0.1	15.5	44.9	5.7	25.7	4.9
1305601	32	30	1	< 1	1.8	< 0.2	0.6	< 0.1	< 0.8	0.1	< 0.8	900	< 20	18.8	113	5	3.0	0.3	27.0	73.3	9.6	43.0	7.4
1305602	28	30	2	< 1	1.4	< 0.2	0.5	< 0.1	< 0.8	0.2	< 0.8	700	20	33.0	84	3	2.2	0.2	43.6	84.2	15.5	68.3	12.1
1305603	8	200	3	5	1.1	< 0.2	2.1	< 0.1	< 0.8	0.3	< 0.8	1000	< 20	4.0	9	2	0.3	0.1	6.6	14.0	1.8	7.4	1.2
1305604	20	110	7	< 1	0.8	< 0.2	1.2	< 0.1	< 0.8	0.4	< 0.8	900	20	8.9	24	2	0.8	< 0.1	14.4	38.2	4.5	18.6	3.5
1305605	28	50	3	2	< 0.5	< 0.2	0.6	< 0.1	< 0.8	0.1	< 0.8	800	20	17.9	76	4	2.0	0.3	28.3	61.8	9.3	40.3	6.8
1305606	10	70	7	< 1	< 0.5	< 0.2	0.7	< 0.1	< 0.8	< 0.1	< 0.8	800	< 20	4.2	27	4	1.0	0.1	7.1	20.3	2.3	9.7	1.5
1305607	11	70	2	< 1	< 0.5	< 0.2	0.9	< 0.1	< 0.8	< 0.1	< 0.8	1200	< 20	4.2	40	5	1.4	0.1	7.1	20.3	2.3	10.0	1.8
1305608	13	160	6	1	< 0.5	< 0.2	1.7	< 0.1	< 0.8	< 0.1	< 0.8	800	< 20	2.0	14	2	0.4	0.1	4.0	10.5	1.1	4.4	0.7
1305609	5	220	10	2	< 0.5	< 0.2	2.8	< 0.1	< 0.8	< 0.1	< 0.8	1300	< 20	1.3	4	2	0.1	< 0.1	1.4	3.6	0.4	2.1	0.3
1305610	32	60	3	1	1.5	< 0.2	1.4	< 0.1	< 0.8	0.2	< 0.8	2100	30	7.8	47	6	1.7	0.2	16.1	42.6	4.6	19.1	3.1
1305611	37	70	1	< 1	< 0.5	< 0.2	0.8	< 0.1	< 0.8	0.2	< 0.8	1200	< 20	14.6	115	7	2.7	0.2	24.7	102	9.7	40.6	7.0
1305612	14	50	< 1	< 1	< 0.5	< 0.2	0.6	< 0.1	< 0.8	0.2	< 0.8	700	< 20	10.1	50	4	1.2	0.1	13.4	47.9	5.4	24.5	4.3
1305613	12	40	< 1	< 1	< 0.5	< 0.2	0.3	< 0.1	< 0.8	0.2	< 0.8	1000	< 20	10.7	56	4	1.8	< 0.1	18.9	56.0	6.5	27.9	4.8
1305614	22	90	3	2	0.6	< 0.2	1.5	< 0.1	< 0.8	0.5	< 0.8	1600	< 20	10.6	19	3	0.7	0.1	21.4	48.1	6.0	26.0	4.6
1305615	21	560	4	< 1	1.0	< 0.2	4.2	< 0.1	< 0.8	0.3	< 0.8	300	< 20	1.9	2	< 1	< 0.1	< 0.1	2.9	6.6	0.8	3.6	0.8
1305616	6	80	4	2	< 0.5	< 0.2	2.1	< 0.1	< 0.8	< 0.1	< 0.8	1100	< 20	2.1	3	2	< 0.1	< 0.1	3.1	7.6	0.9	3.9	0.7
1305617	15	80	2	< 1	2.3	< 0.2	0.6	< 0.1	< 0.8	0.2	< 0.8	800	< 20	9.9	20	2	0.7	< 0.1	17.4	48.5	5.6	22.8	4.1
1305618	8	80	< 1	< 1	0.9	< 0.2	0.6	< 0.1	< 0.8	0.3	< 0.8	800	< 20	6.8	25	3	0.9	< 0.1	11.8	36.2	4.0	16.4	2.8
1305619	13	50	1	< 1	< 0.5	< 0.2	0.9	< 0.1	< 0.8	0.3	< 0.8	800	< 20	5.3	49	3	1.5	< 0.1	8.0	23.5	2.8	10.7	2.3
1305620	26	40	2	< 1	0.8	< 0.2	0.5	< 0.1	< 0.8	0.1	< 0.8	700	< 20	13.4	35	3	1.0	0.2	20.8	65.2	7.7	30.8	5.6

Analyte Symbol	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	Ti	Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd	Sm
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	3	10	1	1	0.5	0.2	0.2	0.1	0.8	0.1	0.8	100	20	0.5	1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1305621	28	40	2	1	1.4	< 0.2	0.4	< 0.1	< 0.8	0.1	< 0.8	600	20	21.3	102	4	2.5	0.3	36.9	68.3	11.3	46.0	7.9
1305622	26	50	6	1	1.5	< 0.2	0.6	< 0.1	< 0.8	0.2	< 0.8	900	< 20	6.9	44	4	1.2	0.2	11.8	22.7	3.1	12.8	2.5
1305623	88	60	4	< 1	1.5	0.2	1.3	< 0.1	< 0.8	0.2	< 0.8	1800	50	50.7	246	8	5.9	0.2	95.1	164	31.3	127	22.5
1305624	20	70	6	< 1	< 0.5	< 0.2	1.0	< 0.1	< 0.8	0.4	< 0.8	200	< 20	2.7	3	< 1	0.1	< 0.1	6.9	11.9	1.5	5.6	0.9
1305625	19	70	5	< 1	0.9	< 0.2	0.7	< 0.1	< 0.8	0.4	< 0.8	1600	< 20	6.6	50	5	1.3	0.2	12.3	41.7	4.6	18.4	3.3
1305626	30	50	< 1	< 1	< 0.5	< 0.2	0.5	< 0.1	< 0.8	< 0.1	< 0.8	900	< 20	14.5	86	5	2.3	0.2	20.4	41.6	8.2	34.7	6.6
1305647	39	20	< 1	< 1	< 0.5	< 0.2	0.5	< 0.1	< 0.8	0.1	< 0.8	500	< 20	36.5	88	3	1.8	0.2	64.3	83.8	20.0	81.6	14.2
1305648	41	40	2	< 1	0.9	< 0.2	0.8	< 0.1	< 0.8	0.1	< 0.8	400	< 20	12.2	50	3	0.9	0.2	24.4	47.8	7.5	28.4	4.9
1305649	35	20	< 1	< 1	< 0.5	< 0.2	0.5	< 0.1	< 0.8	0.1	< 0.8	400	< 20	5.4	25	3	0.6	0.1	9.5	17.5	2.5	10.3	1.8
1305650	54	50	2	< 1	1.2	< 0.2	0.6	< 0.1	< 0.8	0.1	< 0.8	700	20	12.8	70	4	1.6	0.2	19.3	34.5	5.3	21.6	3.6
1305651	15	90	< 1	< 1	< 0.5	< 0.2	1.3	< 0.1	< 0.8	0.2	< 0.8	1100	< 20	10.6	70	5	2.0	0.1	14.0	39.8	5.4	22.9	3.8
1305652	21	100	< 1	< 1	0.7	< 0.2	1.1	< 0.1	< 0.8	0.2	< 0.8	1300	< 20	10.0	122	5	3.3	0.1	17.7	52.2	6.0	23.9	4.2
1305653	24	170	4	< 1	1.2	< 0.2	1.6	< 0.1	< 0.8	0.1	< 0.8	1600	< 20	7.4	68	6	1.9	0.2	13.1	56.1	4.5	18.0	3.5
1305654	23	100	2	< 1	0.7	< 0.2	1.0	< 0.1	< 0.8	0.1	< 0.8	1100	< 20	9.9	75	5	2.2	0.1	16.0	54.4	5.9	24.8	4.8
1305655	37	50	2	< 1	1.4	< 0.2	0.7	< 0.1	< 0.8	< 0.1	< 0.8	1100	30	28.6	132	5	3.4	0.2	47.1	104	16.1	65.8	11.7
1305667	15	70	2	< 1	< 0.5	< 0.2	0.8	< 0.1	< 0.8	0.2	< 0.8	700	< 20	8.1	38	3	1.1	< 0.1	13.7	35.6	4.7	19.6	3.7
1305668	24	60	2	< 1	< 0.5	< 0.2	0.7	< 0.1	< 0.8	< 0.1	< 0.8	1100	< 20	13.4	106	5	2.8	0.2	19.7	48.5	7.3	30.6	6.0
1305669	15	80	1	< 1	< 0.5	< 0.2	1.1	< 0.1	< 0.8	0.1	< 0.8	800	< 20	12.6	105	5	2.8	0.2	16.5	55.5	6.2	27.5	5.2
1305670	29	90	2	< 1	< 0.5	< 0.2	1.5	< 0.1	< 0.8	0.2	< 0.8	1500	20	9.9	121	6	3.4	0.1	20.3	54.8	6.7	27.8	4.9
1305671	24	50	2	< 1	0.7	< 0.2	0.5	< 0.1	< 0.8	0.2	< 0.8	1200	< 20	10.3	97	5	2.5	0.1	16.6	48.2	6.6	28.0	5.1
1305672	21	60	3	< 1	0.5	< 0.2	0.5	< 0.1	< 0.8	0.2	< 0.8	1300	< 20	10.8	91	5	2.6	0.1	17.0	49.4	6.6	27.1	5.2
1305673	16	80	1	< 1	1.6	< 0.2	1.1	< 0.1	< 0.8	0.1	< 0.8	1100	< 20	7.6	76	4	2.2	0.1	12.4	34.3	4.0	16.5	3.1
1305674	21	70	1	< 1	0.6	< 0.2	0.9	< 0.1	< 0.8	0.1	< 0.8	1000	< 20	8.0	45	4	1.4	0.1	12.6	36.5	4.4	18.4	3.6
1305675	26	70	2	< 1	< 0.5	< 0.2	1.1	< 0.1	< 0.8	0.1	< 0.8	1100	< 20	11.7	98	5	2.5	0.1	17.0	39.1	6.2	27.2	4.8
1305676	50	40	4	3	< 0.5	0.3	0.8	< 0.1	< 0.8	0.2	< 0.8	900	30	33.9	97	5	2.1	0.4	58.8	68.6	16.5	66.5	11.9
1305677	37	30	2	< 1	< 0.5	0.4	0.8	< 0.1	< 0.8	0.2	< 0.8	400	< 20	8.7	22	2	0.6	0.2	13.5	22.4	3.4	13.2	2.3
1305678	39	40	3	2	2.6	< 0.2	0.5	< 0.1	< 0.8	0.1	< 0.8	700	20	16.8	81	4	2.0	0.3	26.4	51.8	7.8	30.6	5.1
1305679	26	30	2	1	< 0.5	< 0.2	0.6	< 0.1	< 0.8	0.2	< 0.8	600	< 20	6.2	34	3	0.9	0.2	9.9	18.9	2.7	9.8	1.9
1305680	16	30	1	< 1	1.4	< 0.2	0.8	< 0.1	< 0.8	0.2	< 0.8	200	< 20	1.7	7	1	0.2	< 0.1	2.6	4.4	0.6	2.4	0.4
1305686	16	90	< 1	< 1	< 0.5	< 0.2	0.8	< 0.1	< 0.8	0.2	< 0.8	1100	< 20	7.8	83	5	2.2	0.1	9.5	32.7	3.6	15.8	3.1
1305687	15	100	4	1	0.6	< 0.2	1.8	< 0.1	< 0.8	0.1	< 0.8	900	< 20	7.8	17	2	0.5	< 0.1	13.4	30.1	4.0	16.1	2.9
1305688	18	100	< 1	< 1	0.6	< 0.2	1.0	< 0.1	< 0.8	0.1	< 0.8	1200	< 20	8.4	62	5	1.7	0.1	13.1	35.7	4.0	18.1	3.1
1305689	25	120	2	< 1	1.6	< 0.2	2.3	< 0.1	< 0.8	< 0.1	< 0.8	1600	< 20	4.9	42	5	1.2	0.2	8.5	31.8	2.6	9.9	1.7
1305690	22	210	3	1	1.4	< 0.2	3.1	< 0.1	< 0.8	0.1	< 0.8	1900	20	4.0	43	6	1.4	0.2	8.8	30.4	2.6	9.6	1.8
1305691	48	100	1	< 1	2.9	< 0.2	1.0	< 0.1	< 0.8	0.6	< 0.8	1500	< 20	8.7	28	5	0.7	0.3	14.4	25.2	3.5	13.9	2.4
1305692	33	80	1	< 1	2.6	< 0.2	0.6	< 0.1	< 0.8	0.5	< 0.8	600	< 20	4.8	15	3	0.4	0.1	7.2	12.2	1.8	6.6	1.3
1305693	150	100	17	11	1.7	0.3	1.6	< 0.1	1.5	0.5	1.1	2900	110	48.0	262	16	6.2	0.8	86.7	218	25.0	98.1	16.9
1305694	140	70	9	2	0.8	< 0.2	1.2	< 0.1	< 0.8	0.2	< 0.8	1300	50	34.9	171	8	3.8	0.4	61.8	145	16.9	69.1	12.2
1305695	120	50	7	< 1	2.3	< 0.2	1.1	< 0.1	< 0.8	0.2	< 0.8	1000	40	36.2	166	7	3.4	0.3	53.5	138	16.6	66.5	12.6
1305701	27	40	1	< 1	< 0.5	< 0.2	0.7	< 0.1	< 0.8	0.2	< 0.8	1200	< 20	10.5	98	5	2.6	0.1	16.5	49.4	6.1	25.0	4.9
1305702	26	20	2	1	1.1	< 0.2	0.5	< 0.1	< 0.8	0.1	< 0.8	600	20	22.9	121	3	2.8	0.3	37.2	71.9	11.6	47.0	8.9
1305703	29	30	3	1	1.3	< 0.2	0.6	< 0.1	< 0.8	< 0.1	< 0.8	500	20	15.4	62	3	1.5	0.3	25.9	52.1	7.3	28.3	5.3
1305704	34	70	2	< 1	< 0.5	< 0.2	1.0	< 0.1	< 0.8	< 0.1	< 0.8	500	20	34.3	141	4	2.6	0.3	55.0	94.2	16.7	67.7	12.2
1305705	21	20	< 1	< 1	0.7	< 0.2	1.0	< 0.1	< 0.8	0.1	< 0.8	400	< 20	31.1	88	3	2.2	0.2	52.2	95.4	16.7	66.5	11.6
1305706	19	30	1	< 1	< 0.5	< 0.2	0.8	< 0.1	< 0.8	< 0.1	< 0.8	600	< 20	19.8	122	3	2.9	0.1	26.2	68.2	9.3	40.7	7.9
1305707	18	30	< 1	< 1	1.1	< 0.2	1.0	< 0.1	< 0.8	0.1	< 0.8	700	< 20	22.7	103	4	2.6	0.1	32.5	80.9	11.5	48.1	9.5
1305708	32	30	< 1	< 1	0.7	< 0.2	0.5	< 0.1	< 0.8	< 0.1	< 0.8	800	< 20	36.3	190	5	3.6	0.2	54.0	106	18.9	80.8	15.6
1305709	13	20	< 1	< 1	< 0.5	< 0.2	0.5	< 0.1	< 0.8	< 0.1	< 0.8	400	< 20	13.8	66	3	1.9	0.1	20.7	51.2	6.9	29.2	5.9
1305710	10	20	< 1	< 1	< 0.5	< 0.2	0.7	< 0.1	< 0.8	< 0.1	< 0.8	300	< 20	13.7	55	2	1.4	0.2	22.5	49.6	7.2	30.6	5.4
1305711	12	70	< 1	< 1	< 0.5	< 0.2	0.7	< 0.1	< 0.8	0.1	< 0.8	900	< 20	7.4	69	4	1.9	0.1	11.6	42.0	4.1	17.8	3.5

Analyte Symbol	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	Ti	Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd	Sm
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	3	10	1	1	0.5	0.2	0.2	0.1	0.8	0.1	0.8	100	20	0.5	1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1305712	18	50	< 1	< 1	< 0.5	< 0.2	0.9	< 0.1	< 0.8	< 0.1	< 0.8	900	< 20	8.3	82	4	2.5	0.1	13.8	39.4	4.5	18.7	3.4
1305713	18	110	1	< 1	1.0	< 0.2	1.8	< 0.1	< 0.8	0.2	< 0.8	1200	< 20	7.3	72	4	2.1	0.1	13.7	45.8	4.4	18.4	3.6
1305714	17	60	1	< 1	< 0.5	< 0.2	1.1	< 0.1	< 0.8	0.2	< 0.8	1000	< 20	7.8	72	4	2.0	0.1	12.9	43.9	4.4	18.6	3.6
1305715	13	50	< 1	< 1	< 0.5	< 0.2	0.5	< 0.1	< 0.8	0.1	< 0.8	900	< 20	6.5	58	4	1.8	0.1	10.8	37.0	4.0	17.6	3.6
1305716	22	60	< 1	< 1	1.1	< 0.2	1.2	< 0.1	< 0.8	0.1	< 0.8	900	< 20	16.9	88	4	1.9	0.1	20.5	55.3	7.7	33.2	7.3
1305717	36	40	1	< 1	0.8	< 0.2	0.8	< 0.1	< 0.8	0.1	< 0.8	900	< 20	26.3	132	5	3.0	0.2	36.8	88.6	13.6	57.9	11.4
1305718	10	90	< 1	< 1	< 0.5	< 0.2	0.7	< 0.1	< 0.8	< 0.1	< 0.8	200	< 20	6.7	31	< 1	0.7	< 0.1	9.4	22.7	3.3	13.9	2.9
1305719	15	60	1	< 1	< 0.5	< 0.2	0.6	< 0.1	< 0.8	0.2	< 0.8	900	< 20	7.7	76	4	2.2	< 0.1	12.9	39.5	4.7	20.8	4.1
1305720	23	150	3	< 1	1.1	< 0.2	2.1	< 0.1	< 0.8	0.2	< 0.8	900	< 20	6.8	61	3	1.8	< 0.1	13.5	39.9	4.0	17.4	3.3
1305721	26	110	2	< 1	< 0.5	< 0.2	1.5	< 0.1	< 0.8	0.1	< 0.8	1000	< 20	16.8	81	4	2.2	0.1	26.9	77.7	8.8	37.6	7.4
1305722	17	70	2	1	< 0.5	< 0.2	0.6	< 0.1	< 0.8	0.2	< 0.8	1100	30	5.7	73	4	2.0	0.2	7.3	25.1	2.4	10.4	2.0
1305723	57	70	3	1	1.8	< 0.2	0.8	< 0.1	< 0.8	0.2	< 0.8	1200	30	11.2	74	4	2.0	0.2	17.7	44.8	5.4	22.3	4.6
1305724	5	60	1	< 1	< 0.5	< 0.2	0.6	< 0.1	< 0.8	0.2	< 0.8	300	< 20	0.6	4	1	0.1	< 0.1	1.0	2.4	0.2	1.0	0.2
1305725	18	100	1	1	0.9	< 0.2	0.9	< 0.1	< 0.8	0.3	< 0.8	1400	< 20	3.0	16	4	0.4	0.4	4.6	8.1	1.1	4.6	0.7
1305726	14	90	< 1	< 1	1.4	< 0.2	0.5	< 0.1	< 0.8	0.2	< 0.8	200	< 20	1.5	6	2	0.2	< 0.1	2.3	4.1	0.5	2.2	0.3
1305727	8	60	1	< 1	1.5	< 0.2	0.3	< 0.1	< 0.8	0.3	< 0.8	500	< 20	1.1	8	2	0.3	0.1	1.4	3.3	0.4	1.4	0.3
1305728	12	60	2	< 1	0.6	< 0.2	0.3	< 0.1	< 0.8	0.3	< 0.8	200	< 20	1.1	9	1	0.3	0.1	1.4	2.9	0.3	1.4	0.3
1305729	24	60	1	< 1	1.2	< 0.2	0.9	< 0.1	< 0.8	0.4	< 0.8	500	< 20	5.6	20	2	0.5	0.2	7.7	15.0	2.0	8.2	1.4
1305730	34	40	2	1	1.4	< 0.2	0.8	< 0.1	< 0.8	< 0.1	< 0.8	1200	20	22.7	68	5	1.9	0.3	39.6	99.6	12.0	50.8	9.3
1305731	29	70	< 1	< 1	< 0.5	< 0.2	1.3	< 0.1	< 0.8	< 0.1	< 0.8	1300	20	14.7	87	6	2.0	0.2	20.8	61.6	7.4	31.2	6.3
1305732	13	120	2	< 1	< 0.5	< 0.2	1.5	< 0.1	< 0.8	0.2	< 0.8	900	< 20	4.3	29	3	0.9	< 0.1	7.5	22.5	2.4	10.3	2.0
1305733	15	50	1	< 1	< 0.5	< 0.2	1.0	< 0.1	< 0.8	< 0.1	< 0.8	1200	< 20	5.8	62	5	1.8	0.2	9.7	32.5	3.1	13.0	2.7
1305734	15	70	4	< 1	< 0.5	< 0.2	0.8	< 0.1	< 0.8	0.1	< 0.8	900	< 20	4.2	46	3	1.7	0.1	8.0	28.4	2.6	11.5	1.9
1305735	13	80	2	< 1	< 0.5	< 0.2	1.3	< 0.1	< 0.8	< 0.1	< 0.8	1100	< 20	3.7	46	5	1.4	0.1	6.2	20.9	1.8	7.9	1.7
1305736	11	70	< 1	< 1	0.8	< 0.2	1.2	< 0.1	< 0.8	0.1	< 0.8	800	< 20	3.9	34	3	0.9	< 0.1	6.9	27.5	2.2	9.4	2.2
1305737	41	60	< 1	< 1	0.8	< 0.2	0.8	< 0.1	< 0.8	0.4	< 0.8	800	< 20	9.4	21	3	0.8	0.1	21.6	63.7	7.8	31.8	5.7
1305738	6	120	2	3	0.7	< 0.2	1.8	< 0.1	< 0.8	0.3	< 0.8	700	< 20	2.5	5	2	0.3	< 0.1	4.6	11.5	1.3	5.7	1.1
1305739	26	150	3	4	1.7	< 0.2	1.5	< 0.1	< 0.8	0.5	< 0.8	2000	30	8.8	16	5	0.6	0.2	18.1	45.5	4.9	20.5	3.9
1305740	18	230	7	2	< 0.5	< 0.2	2.4	< 0.1	< 0.8	0.3	< 0.8	800	< 20	7.5	11	2	0.4	0.1	10.1	26.0	2.9	12.6	2.5
1305741	14	70	2	< 1	0.5	< 0.2	1.0	< 0.1	< 0.8	0.2	< 0.8	800	< 20	7.3	39	3	1.2	< 0.1	11.2	42.3	4.0	17.4	3.5
1305742	9	90	7	1	< 0.5	< 0.2	1.6	< 0.1	< 0.8	0.1	< 0.8	900	< 20	2.1	15	2	0.5	< 0.1	2.9	9.2	0.8	3.6	0.7
1305743	43	80	3	< 1	< 0.5	< 0.2	1.5	< 0.1	< 0.8	< 0.1	< 0.8	1600	< 20	12.8	98	7	2.1	0.3	22.8	88.4	7.2	31.2	5.6
1305744	14	90	4	1	< 0.5	< 0.2	1.1	< 0.1	< 0.8	< 0.1	< 0.8	1900	< 20	3.6	17	5	0.5	0.2	7.1	19.9	2.1	8.9	1.5
1305745	21	100	< 1	< 1	< 0.5	< 0.2	1.4	< 0.1	< 0.8	0.1	< 0.8	900	< 20	16.2	94	5	2.4	0.1	21.9	68.0	8.1	35.2	6.9
1305746	28	70	3	< 1	< 0.5	< 0.2	1.4	< 0.1	< 0.8	< 0.1	< 0.8	1200	20	9.8	51	4	1.6	0.2	18.8	52.0	5.7	23.4	4.3
1305747	28	40	3	1	1.0	< 0.2	1.1	< 0.1	< 0.8	0.9	< 0.8	1200	< 20	14.0	21	3	0.6	0.1	34.7	82.3	9.1	36.1	6.6
1309001	91	80	3	< 1	0.8	< 0.2	0.9	< 0.1	< 0.8	0.2	< 0.8	900	30	28.3	107	5	2.4	0.3	51.6	89.3	13.8	55.4	9.9
1309007	14	90	1	< 1	0.5	< 0.2	1.3	< 0.1	< 0.8	0.1	< 0.8	1200	< 20	3.4	38	3	1.1	0.1	6.6	22.5	2.0	8.2	1.3
1309008	19	60	1	< 1	< 0.5	< 0.2	0.7	< 0.1	< 0.8	0.1	< 0.8	1200	< 20	10.2	81	4	2.3	0.1	18.4	59.0	5.6	23.8	4.6
1309009	26	80	2	< 1	< 0.5	< 0.2	0.8	< 0.1	< 0.8	0.1	< 0.8	1000	< 20	19.9	157	5	3.5	0.1	23.6	67.6	10.3	46.0	9.8
1309010	31	180	3	1	< 0.5	< 0.2	0.7	< 0.1	< 0.8	0.1	< 0.8	600	< 20	15.7	94	3	2.1	0.2	22.3	53.8	7.0	28.8	5.8
1309011	26	80	2	1	< 0.5	< 0.2	0.8	< 0.1	< 0.8	0.1	< 0.8	600	20	30.4	156	3	3.5	0.2	47.5	80.7	13.9	59.3	10.5
1309012	35	50	2	1	0.8	< 0.2	0.9	< 0.1	< 0.8	0.1	< 0.8	700	< 20	28.5	130	4	2.9	0.1	42.0	75.5	14.0	53.9	9.9
1309013	29	60	3	2	< 0.5	< 0.2	0.4	< 0.1	< 0.8	0.1	< 0.8	800	20	24.6	125	4	3.1	0.2	42.4	69.0	12.7	47.7	8.3
1309014	23	50	1	< 1	< 0.5	< 0.2	1.0	< 0.1	< 0.8	< 0.1	< 0.8	500	< 20	25.6	107	3	2.6	0.2	36.1	78.4	12.5	47.1	8.6
1309015	14	20	1	< 1	0.6	< 0.2	0.6	< 0.1	< 0.8	0.1	< 0.8	400	< 20	6.9	33	3	0.8	0.2	12.0	27.4	3.5	13.1	2.5
1309016	41	80	2	2	1.7	< 0.2	0.5	< 0.1	< 0.8	< 0.1	< 0.8	700	< 20	30.8	133	4	3.0	0.2	51.1	71.4	15.5	58.4	10.7
1309017	12	60	1	< 1	0.7	< 0.2	4.8	< 0.1	< 0.8	< 0.1	< 0.8	1000	< 20	6.8	43	4	1.3	0.1	11.6	26.4	3.8	15.0	3.0
1309018	11	50	2	< 1	< 0.5	< 0.2	1.0	< 0.1	< 0.8	< 0.1	< 0.8	800	< 20	4.7	33	3	1.0	0.1	8.8	23.2	2.7	9.8	1.8
1309019	11	70	1	< 1	< 0.5	< 0.2	0.9	< 0.1	< 0.8	0.1	< 0.8	700	< 20	6.2	35	3	1.1	0.1	10.6	29.5	3.6	13.2	2.3

Analyte Symbol	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	Ti	Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd	Sm
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	3	10	1	1	0.5	0.2	0.2	0.1	0.8	0.1	0.8	100	20	0.5	1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1309020	12	100	2	< 1	< 0.5	< 0.2	1.2	< 0.1	< 0.8	< 0.1	< 0.8	700	< 20	6.7	36	3	1.1	0.1	11.3	31.3	3.7	14.4	2.8
1309021	9	30	< 1	< 1	< 0.5	< 0.2	< 0.2	< 0.1	< 0.8	< 0.1	< 0.8	600	< 20	5.1	39	3	1.0	< 0.1	7.8	22.3	2.7	10.2	2.0
1309022	6	50	2	< 1	0.9	< 0.2	0.9	< 0.1	< 0.8	< 0.1	< 0.8	800	< 20	2.6	18	3	0.6	0.1	5.0	15.7	1.5	5.9	1.2
1309023	9	50	4	< 1	0.6	< 0.2	0.7	< 0.1	< 0.8	0.3	< 0.8	500	< 20	4.4	8	1	0.3	< 0.1	9.7	27.5	2.3	9.1	1.6
1309024	13	50	2	< 1	< 0.5	< 0.2	0.7	< 0.1	< 0.8	0.1	< 0.8	900	< 20	11.6	39	3	1.3	< 0.1	31.5	52.2	11.6	45.9	7.3
1309025	13	70	2	< 1	< 0.5	< 0.2	1.0	< 0.1	< 0.8	< 0.1	< 0.8	900	< 20	6.6	30	3	1.1	0.1	12.1	29.1	3.8	14.0	2.9
1309026	14	60	1	1	0.7	< 0.2	1.2	< 0.1	< 0.8	< 0.1	< 0.8	900	< 20	7.5	35	4	1.2	0.1	13.8	37.6	4.3	15.8	2.9
1309027	12	80	< 1	< 1	< 0.5	< 0.2	0.9	< 0.1	< 0.8	< 0.1	< 0.8	600	< 20	4.9	34	2	0.8	< 0.1	8.0	24.0	2.8	10.6	2.1
1309028	11	40	< 1	< 1	< 0.5	< 0.2	0.6	< 0.1	< 0.8	< 0.1	< 0.8	800	< 20	4.5	38	3	1.1	< 0.1	6.7	17.5	2.3	9.5	1.6
1309029	19	70	1	< 1	0.9	< 0.2	0.5	< 0.1	< 0.8	0.1	< 0.8	1200	< 20	5.6	74	5	2.0	0.1	10.2	34.0	3.6	14.7	2.6
1309030	12	80	1	< 1	0.6	< 0.2	0.4	< 0.1	< 0.8	0.5	< 0.8	500	< 20	3.0	21	2	0.7	< 0.1	7.0	20.8	1.9	8.0	1.5
1309031	5	60	1	1	1.0	< 0.2	0.3	< 0.1	< 0.8	0.3	< 0.8	600	< 20	3.0	4	< 1	0.1	< 0.1	4.5	10.6	1.2	5.0	1.0
1309032	< 3	100	1	< 1	< 0.5	< 0.2	0.9	< 0.1	< 0.8	< 0.1	< 0.8	1500	< 20	< 0.5	4	< 1	< 0.1	< 0.1	2.4	5.5	0.6	2.3	0.5
1309033	16	50	2	< 1	0.6	< 0.2	0.6	< 0.1	< 0.8	0.3	< 0.8	1200	< 20	4.5	63	5	2.0	0.1	9.2	27.2	2.9	11.1	2.2
1309034	8	120	2	2	< 0.5	< 0.2	1.8	< 0.1	< 0.8	0.5	< 0.8	700	< 20	3.4	8	1	0.4	< 0.1	5.3	16.5	1.6	5.7	1.2
1309035	11	90	2	2	1.4	< 0.2	1.0	< 0.1	< 0.8	0.2	< 0.8	800	< 20	3.1	7	2	0.2	0.1	5.5	11.9	1.4	5.7	1.1
1309036	7	90	2	3	1.0	< 0.2	0.3	< 0.1	< 0.8	0.4	< 0.8	900	< 20	3.1	3	1	0.1	< 0.1	6.8	13.3	1.7	6.5	1.3
1309037	26	360	3	4	2.7	< 0.2	1.9	< 0.1	< 0.8	0.2	< 0.8	2300	< 20	1.5	10	2	0.3	0.1	3.3	6.9	0.8	3.1	0.5
1309038	61	70	1	1	0.7	< 0.2	0.4	< 0.1	< 0.8	1.2	< 0.8	600	< 20	28.2	15	2	0.7	< 0.1	59.5	141	27.7	112	17.6
1309039	16	80	7	< 1	< 0.5	< 0.2	1.0	< 0.1	< 0.8	0.5	< 0.8	100	< 20	3.4	2	< 1	< 0.1	< 0.1	7.8	14.3	1.9	6.6	1.2

Analyte Symbol	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Li	Be	Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	100	1	1	1	0.1	1	1	1	1
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1305501	2.4	11.7	1.4	7.3	1.5	4.2	0.7	4.4	0.7	30	< 2	< 100	7090	66	402	1.0	518	< 1	< 1	< 1
1305502	1.1	5.1	0.6	3.1	0.6	1.9	0.3	1.7	0.2	48	< 2	< 100	1270	38	410	0.8	355	< 1	< 1	< 1
1305503	3.2	17.1	1.8	9.4	1.7	4.9	0.7	4.6	0.8	152	3	< 100	3830	172	508	8.0	1150	< 1	< 1	< 1
1305504	1.2	6.0	0.7	3.7	0.6	1.9	0.3	2.0	0.3	63	< 2	< 100	1370	43	606	1.3	537	< 1	< 1	< 1
1305505	2.1	9.1	1.0	5.5	1.1	3.3	0.5	3.4	0.5	94	< 2	< 100	1210	42	467	1.6	697	< 1	< 1	< 1
1305506	0.6	2.8	0.3	1.7	0.3	1.0	0.1	1.0	0.1	23	< 2	< 100	1680	28	298	< 0.1	366	< 1	< 1	< 1
1305507	1.4	5.8	0.7	4.0	0.7	2.3	0.4	2.9	0.5	61	2	< 100	2410	29	326	< 0.1	408	< 1	< 1	< 1
1305508	0.8	3.7	0.4	2.0	0.3	1.1	0.2	1.0	0.2	18	< 2	< 100	1940	54	287	0.3	559	< 1	< 1	< 1
1305509	1.1	4.9	0.6	2.9	0.5	1.4	0.2	1.4	0.2	30	2	< 100	874	75	334	0.3	536	< 1	< 1	< 1
1305510	1.5	6.8	0.8	3.8	0.7	1.9	0.3	2.2	0.3	33	2	< 100	1440	62	234	0.1	507	< 1	< 1	< 1
1305511	1.3	5.1	0.6	3.0	0.6	1.7	0.3	2.0	0.3	32	2	< 100	2210	28	365	< 0.1	606	< 1	< 1	< 1
1305512	1.6	7.4	0.8	4.0	0.8	2.4	0.3	2.3	0.4	28	< 2	< 100	1980	21	345	< 0.1	471	< 1	< 1	< 1
1305513	1.2	5.1	0.6	3.2	0.6	1.6	0.3	1.8	0.2	24	< 2	< 100	2140	34	417	0.1	613	< 1	< 1	< 1
1305514	1.2	6.1	0.7	3.6	0.7	1.9	0.3	1.9	0.3	20	< 2	< 100	1950	37	343	0.2	453	< 1	< 1	< 1
1305515	1.2	5.8	0.6	3.4	0.7	2.0	0.3	2.3	0.4	48	< 2	< 100	2720	22	322	< 0.1	429	< 1	< 1	< 1
1305516	1.7	7.8	0.9	4.9	0.9	2.7	0.4	2.9	0.4	50	< 2	< 100	1630	36	348	0.1	489	< 1	< 1	< 1
1305517	0.7	3.3	0.3	1.8	0.3	1.0	0.2	1.1	0.1	17	< 2	< 100	1310	37	250	0.1	454	< 1	< 1	< 1
1305518	0.7	2.8	0.4	1.7	0.3	0.9	0.2	0.9	0.2	9	< 2	< 100	487	16	213	< 0.1	396	< 1	< 1	< 1
1305519	0.6	2.2	0.3	1.3	0.2	0.7	0.1	0.8	0.1	11	< 2	< 100	923	14	324	< 0.1	420	< 1	< 1	< 1
1305520	0.5	2.2	0.2	1.3	0.2	0.7	0.1	0.7	0.1	16	< 2	< 100	989	19	453	< 0.1	429	< 1	< 1	< 1
1305521	1.2	5.3	0.6	3.4	0.7	1.9	0.3	2.0	0.3	129	< 2	< 100	1300	27	353	0.9	662	< 1	< 1	< 1
1305522	0.7	3.2	0.4	2.0	0.4	1.2	0.2	1.2	0.2	55	< 2	< 100	1570	32	433	0.8	485	< 1	< 1	< 1
1305523	1.5	7.0	0.8	4.1	0.8	2.2	0.3	2.2	0.3	34	< 2	< 100	5860	35	339	0.4	492	< 1	< 1	< 1
1305524	0.8	3.5	0.4	1.8	0.3	1.0	0.1	1.0	0.1	20	2	< 100	823	31	313	< 0.1	635	< 1	< 1	< 1
1305525	0.5	2.2	0.2	1.3	0.2	0.7	0.1	0.7	0.1	23	< 2	< 100	763	53	253	0.1	549	< 1	< 1	< 1
1305526	1.0	4.4	0.5	2.8	0.5	1.5	0.2	1.6	0.2	18	< 2	< 100	1110	24	319	< 0.1	414	< 1	< 1	< 1
1305527	1.9	8.2	0.9	4.3	0.9	2.8	0.4	2.9	0.5	95	3	< 100	939	135	199	5.3	657	< 1	< 1	< 1
1305528	1.8	8.9	1.0	4.6	1.0	2.7	0.4	2.8	0.5	72	3	< 100	901	128	209	5.0	598	< 1	< 1	< 1
1305529	4.1	18.0	2.2	10.5	2.2	5.9	0.9	5.8	0.9	66	< 2	< 100	597	16	356	0.3	603	< 1	< 1	< 1
1305530	2.5	11.0	1.4	6.5	1.4	3.9	0.6	4.3	0.7	124	2	< 100	548	32	389	1.1	720	< 1	< 1	< 1
1305531	1.0	5.3	0.6	3.2	0.6	1.6	0.3	1.5	0.2	136	< 2	< 100	3940	74	490	3.4	603	< 1	< 1	< 1
1305532	0.2	0.5	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	34	< 2	< 100	1880	14	1230	0.2	400	< 1	< 1	< 1
1305535	0.7	2.5	0.3	1.6	0.3	0.8	0.1	1.0	0.1	19	< 2	< 100	1370	35	291	0.2	590	< 1	< 1	< 1
1305536	3.8	17.8	2.2	11.4	2.2	6.2	1.0	6.1	1.0	65	< 2	< 100	3650	44	422	1.2	623	< 1	< 1	< 1
1305537	0.6	3.0	0.3	1.7	0.3	1.0	0.1	0.9	0.2	35	< 2	< 100	5560	24	368	< 0.1	411	< 1	< 1	< 1
1305538	1.3	5.6	0.7	3.7	0.7	2.1	0.3	2.3	0.3	30	< 2	< 100	732	17	317	0.3	462	< 1	< 1	< 1
1305539	0.9	4.2	0.4	2.3	0.4	1.4	0.2	1.2	0.2	30	< 2	< 100	3420	17	432	0.1	707	< 1	< 1	< 1
1305541	0.7	3.1	0.3	1.6	0.3	0.9	0.1	0.9	0.2	13	< 2	< 100	4640	48	331	0.2	486	< 1	< 1	< 1
1305542	0.7	3.3	0.3	1.7	0.3	0.9	0.1	1.1	0.1	15	< 2	< 100	3810	58	365	< 0.1	546	< 1	< 1	< 1
1305543	0.7	2.9	0.3	1.6	0.3	1.0	0.2	1.1	0.2	49	< 2	< 100	1700	17	444	0.2	442	< 1	< 1	< 1
1305544	1.6	8.0	0.9	4.7	0.9	2.6	0.4	2.8	0.5	13	< 2	< 100	5010	54	417	0.2	496	< 1	< 1	< 1
1305562	1.5	8.3	0.8	4.5	0.9	2.6	0.4	2.6	0.4	100	< 2	< 100	3540	62	626	2.1	559	< 1	< 1	< 1
1305563	2.5	12.1	1.5	7.5	1.4	4.4	0.6	4.4	0.6	131	< 2	< 100	1480	70	410	3.2	666	< 1	< 1	< 1
1305564	0.9	3.1	0.4	2.0	0.4	1.1	0.2	1.2	0.2	38	< 2	< 100	735	61	336	0.1	492	< 1	< 1	< 1
1305565	0.8	3.4	0.4	1.9	0.4	1.2	0.2	1.2	0.2	25	2	< 100	7200	83	412	0.1	733	< 1	< 1	< 1
1305566	0.7	3.0	0.3	1.7	0.3	0.8	0.1	0.9	0.1	21	< 2	< 100	3630	56	461	0.1	562	< 1	< 1	< 1
1305567	0.7	3.0	0.4	1.8	0.3	1.0	0.2	1.0	0.2	30	< 2	< 100	1080	64	425	< 0.1	640	< 1	< 1	< 1
1305568	0.5	2.1	0.2	1.2	0.2	0.7	0.1	0.7	< 0.1	31	< 2	< 100	1050	80	311	< 0.1	528	< 1	< 1	< 1
1305569	0.9	4.4	0.4	2.3	0.4	1.2	0.2	1.2	0.2	12	< 2	< 100	3900	59	317	0.2	430	< 1	< 1	< 1
1305570	0.2	0.6	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	7	< 2	< 100	647	11	318	< 0.1	435	< 1	< 1	< 1

Analyte Symbol	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Li	Be	Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	100	1	1	1	0.1	1	1	1	1
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1305571	0.2	0.9	0.1	0.5	0.1	0.3	< 0.1	0.3	< 0.1	10	< 2	< 100	2310	45	329	< 0.1	489	< 1	< 1	< 1
1305572	1.7	7.9	0.9	4.5	0.8	2.1	0.3	2.2	0.3	10	< 2	< 100	3880	24	259	< 0.1	494	< 1	< 1	< 1
1305573	1.6	7.7	1.0	5.0	1.1	2.8	0.4	2.4	0.4	91	< 2	< 100	785	26	352	0.4	473	< 1	< 1	< 1
1305574	1.0	5.1	0.6	3.2	0.6	1.7	0.3	1.8	0.3	45	< 2	< 100	2540	45	309	0.1	494	< 1	< 1	< 1
1305575	2.2	9.7	1.2	6.7	1.3	4.0	0.6	4.3	0.6	52	< 2	< 100	2790	25	329	0.2	491	< 1	< 1	< 1
1305576	1.7	7.4	0.9	4.7	0.9	2.6	0.4	2.7	0.5	71	< 2	< 100	1640	23	366	0.3	581	< 1	< 1	< 1
1305577	1.8	8.3	1.0	5.3	1.0	3.0	0.4	3.1	0.6	118	< 2	< 100	744	45	402	0.9	481	< 1	< 1	< 1
1305578	0.2	0.6	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	20	< 2	< 100	828	114	322	1.5	430	< 1	< 1	< 1
1305579	0.1	0.3	< 0.1	0.2	< 0.1	0.1	< 0.1	< 0.1	< 0.1	10	< 2	< 100	714	83	262	1.3	591	< 1	< 1	< 1
1305580	0.3	0.8	0.1	0.5	0.1	0.3	< 0.1	0.3	< 0.1	11	< 2	< 100	474	25	305	0.1	490	< 1	< 1	< 1
1305581	0.1	0.3	< 0.1	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	6	< 2	< 100	1140	25	401	< 0.1	378	< 1	< 1	< 1
1305582	0.8	3.6	0.4	2.1	0.4	1.2	0.2	1.1	0.2	16	3	< 100	2310	154	395	0.6	846	< 1	< 1	< 1
1305583	0.3	1.2	0.1	0.7	0.1	0.3	< 0.1	0.3	< 0.1	10	< 2	< 100	9350	36	431	< 0.1	545	< 1	< 1	< 1
1305584	0.4	1.7	0.2	1.0	0.2	0.5	< 0.1	0.5	< 0.1	14	< 2	< 100	321	104	265	0.2	508	< 1	< 1	< 1
1305585	0.6	2.7	0.3	1.7	0.3	0.9	0.1	0.9	0.2	21	< 2	< 100	3020	55	232	0.1	396	< 1	< 1	< 1
1305586	0.6	2.4	0.3	1.5	0.3	0.8	0.1	1.0	0.1	9	2	< 100	2790	85	219	0.1	514	< 1	< 1	< 1
1305587	0.9	4.0	0.4	2.3	0.4	1.3	0.2	1.2	0.2	22	< 2	< 100	8910	68	299	0.1	437	< 1	< 1	< 1
1305588	0.4	1.1	0.2	0.9	0.2	0.4	< 0.1	0.4	< 0.1	9	2	< 100	3460	116	406	1.0	1160	< 1	< 1	< 1
1305589	0.2	0.4	< 0.1	0.3	< 0.1	0.2	< 0.1	< 0.1	< 0.1	6	< 2	< 100	493	29	344	0.2	449	< 1	< 1	< 1
1305590	0.8	3.5	0.4	1.9	0.4	1.1	0.2	1.1	0.2	26	< 2	< 100	820	163	349	0.2	598	< 1	< 1	< 1
1305591	0.9	3.8	0.4	2.4	0.4	1.3	0.2	1.5	0.2	33	2	< 100	570	46	289	< 0.1	520	< 1	< 1	< 1
1305592	0.7	3.0	0.4	1.8	0.4	1.2	0.2	1.1	0.2	31	< 2	< 100	487	49	287	< 0.1	474	< 1	< 1	< 1
1305593	0.4	1.6	0.2	1.2	0.2	0.6	0.1	0.7	< 0.1	23	< 2	< 100	878	39	269	0.2	481	< 1	< 1	< 1
1305594	1.0	4.0	0.5	2.5	0.5	1.4	0.2	1.5	0.2	26	< 2	< 100	865	47	314	< 0.1	552	< 1	< 1	< 1
1305595	0.7	3.0	0.4	2.0	0.4	1.1	0.2	1.3	0.2	29	< 2	< 100	6860	41	310	0.3	410	< 1	< 1	< 1
1305596	1.4	6.7	0.9	4.6	0.9	2.6	0.4	2.5	0.4	68	< 2	< 100	2660	31	470	0.5	439	< 1	< 1	< 1
1305597	0.7	3.6	0.4	2.1	0.4	1.3	0.2	1.2	0.2	20	< 2	< 100	747	11	780	< 0.1	524	< 1	< 1	< 1
1305598	0.7	3.0	0.3	1.8	0.4	1.0	0.1	1.1	0.2	17	< 2	< 100	3630	8	645	< 0.1	449	< 1	< 1	< 1
1305599	1.4	7.2	0.9	4.8	0.9	2.7	0.4	2.9	0.5	101	< 2	< 100	2160	33	450	0.8	455	< 1	< 1	< 1
1305600	1.0	4.6	0.6	3.3	0.6	1.8	0.3	1.9	0.3	38	< 2	< 100	1020	21	284	0.1	446	< 1	< 1	< 1
1305601	1.5	7.1	0.9	4.3	0.8	2.4	0.3	2.4	0.4	32	< 2	< 100	1530	41	406	0.1	478	< 1	< 1	< 1
1305602	2.5	10.2	1.2	6.9	1.4	3.9	0.6	3.9	0.7	47	< 2	< 100	1090	76	332	0.3	465	< 1	< 1	< 1
1305603	0.4	1.2	0.2	0.8	0.2	0.5	< 0.1	0.4	< 0.1	6	< 2	< 100	763	32	316	0.2	362	< 1	< 1	< 1
1305604	0.9	3.3	0.4	2.1	0.4	1.1	0.2	1.2	0.2	49	3	< 100	310	91	293	0.6	974	< 1	< 1	< 1
1305605	1.3	6.0	0.7	3.9	0.8	2.1	0.3	2.2	0.4	31	< 2	< 100	822	23	455	0.4	512	< 1	< 1	< 1
1305606	0.4	1.5	0.2	0.8	0.2	0.5	< 0.1	0.5	0.1	14	< 2	< 100	1720	54	328	< 0.1	473	< 1	< 1	< 1
1305607	0.4	1.7	0.2	1.1	0.2	0.5	< 0.1	0.5	< 0.1	13	< 2	< 100	727	61	343	< 0.1	503	< 1	< 1	< 1
1305608	0.2	0.7	< 0.1	0.5	< 0.1	0.2	< 0.1	0.2	< 0.1	5	< 2	< 100	2310	25	607	< 0.1	344	< 1	< 1	< 1
1305609	0.1	0.3	< 0.1	0.2	< 0.1	0.2	< 0.1	0.1	< 0.1	10	< 2	< 100	5660	8	232	< 0.1	363	< 1	< 1	< 1
1305610	0.8	3.1	0.4	1.7	0.3	0.9	0.1	0.8	0.1	22	< 2	< 100	780	63	434	0.2	503	< 1	< 1	< 1
1305611	1.4	6.3	0.7	3.7	0.7	2.0	0.3	2.1	0.4	46	< 2	< 100	2290	44	339	< 0.1	499	< 1	< 1	< 1
1305612	1.0	4.1	0.5	2.3	0.5	1.4	0.2	1.6	0.3	30	< 2	< 100	2340	33	276	< 0.1	475	< 1	< 1	< 1
1305613	1.0	4.4	0.5	2.5	0.5	1.3	0.2	1.4	0.2	24	2	< 100	513	115	325	0.1	420	< 1	< 1	< 1
1305614	0.9	4.1	0.5	2.4	0.4	1.2	0.2	1.0	0.2	12	2	< 100	927	81	395	0.5	588	< 1	< 1	< 1
1305615	0.2	0.7	< 0.1	0.4	< 0.1	0.2	< 0.1	0.1	< 0.1	3	< 2	< 100	1360	26	163	0.9	331	< 1	< 1	< 1
1305616	0.2	0.7	< 0.1	0.4	< 0.1	0.1	< 0.1	0.1	< 0.1	6	< 2	< 100	531	10	263	< 0.1	225	< 1	< 1	< 1
1305617	0.9	3.8	0.5	2.4	0.4	1.3	0.2	1.1	0.1	6	2	< 100	1900	94	428	0.1	464	< 1	< 1	< 1
1305618	0.8	2.7	0.3	1.6	0.3	0.8	0.1	0.7	0.1	12	2	< 100	1630	155	350	0.2	547	< 1	< 1	< 1
1305619	0.6	1.9	0.2	1.3	0.2	0.7	0.1	0.8	0.1	31	2	< 100	886	244	454	0.2	648	< 1	< 1	< 1
1305620	1.3	5.3	0.6	3.1	0.6	1.7	0.3	1.6	0.3	13	< 2	< 100	2290	23	268	0.1	485	< 1	< 1	< 1

Analyte Symbol	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Li	Be	Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	100	1	1	1	0.1	1	1	1	1
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1305621	1.5	6.8	0.9	4.4	0.8	2.3	0.4	2.5	0.5	74	< 2	< 100	1460	43	432	0.3	459	< 1	< 1	< 1
1305622	0.5	2.2	0.3	1.4	0.3	0.9	0.1	0.7	0.1	28	< 2	< 100	529	29	703	0.3	360	< 1	< 1	< 1
1305623	4.4	18.9	2.3	11.2	2.2	6.4	1.0	6.1	1.1	64	3	< 100	1920	50	362	0.1	596	< 1	< 1	< 1
1305624	0.3	0.9	0.1	0.5	< 0.1	0.2	< 0.1	0.3	< 0.1	5	< 2	< 100	319	45	174	0.8	409	< 1	< 1	< 1
1305625	0.7	3.1	0.4	1.7	0.3	0.9	0.1	1.0	0.1	15	3	< 100	6200	103	258	0.3	490	< 1	< 1	< 1
1305626	1.3	5.3	0.7	3.6	0.7	2.0	0.3	2.3	0.4	42	2	< 100	979	37	380	< 0.1	514	< 1	< 1	< 1
1305647	2.7	11.8	1.4	7.5	1.4	3.9	0.6	4.1	0.7	112	< 2	< 100	905	28	346	< 0.1	528	< 1	< 1	< 1
1305648	0.9	4.2	0.5	2.6	0.5	1.4	0.2	1.3	0.3	56	< 2	< 100	1060	13	320	0.1	555	< 1	< 1	< 1
1305649	0.4	1.6	0.2	1.0	0.2	0.6	< 0.1	0.6	< 0.1	35	< 2	< 100	1290	17	375	0.1	496	< 1	< 1	< 1
1305650	0.8	3.6	0.4	2.4	0.5	1.4	0.2	1.5	0.3	44	< 2	< 100	1220	17	345	0.1	485	< 1	< 1	< 1
1305651	0.9	3.8	0.4	2.5	0.5	1.5	0.3	1.7	0.3	45	2	< 100	2210	58	323	0.1	519	< 1	< 1	< 1
1305652	0.9	4.4	0.5	2.8	0.4	1.3	0.2	1.5	0.2	37	< 2	< 100	684	55	384	< 0.1	507	< 1	< 1	< 1
1305653	0.7	3.4	0.4	1.9	0.3	0.9	0.1	1.0	0.2	18	< 2	< 100	9010	29	428	0.1	549	< 1	< 1	< 1
1305654	1.0	4.3	0.5	2.6	0.5	1.4	0.2	1.6	0.2	29	< 2	< 100	2520	43	332	< 0.1	469	< 1	< 1	< 1
1305655	2.4	10.4	1.3	6.8	1.2	3.5	0.6	3.7	0.6	52	2	< 100	1150	23	437	< 0.1	535	< 1	< 1	< 1
1305667	0.8	3.4	0.4	1.8	0.4	1.0	0.2	1.1	0.2	16	2	< 100	911	59	337	< 0.1	442	< 1	< 1	< 1
1305668	1.2	5.2	0.6	3.4	0.6	1.9	0.3	2.0	0.3	27	< 2	< 100	338	31	327	< 0.1	473	< 1	< 1	< 1
1305669	1.0	4.8	0.6	2.9	0.6	1.7	0.2	1.8	0.3	45	< 2	< 100	3350	24	330	< 0.1	403	< 1	< 1	< 1
1305670	1.0	4.3	0.5	2.2	0.4	1.3	0.2	1.3	0.2	45	< 2	< 100	808	84	341	< 0.1	559	< 1	< 1	< 1
1305671	1.1	4.3	0.5	2.6	0.5	1.5	0.2	1.6	0.2	58	3	< 100	730	52	268	0.1	484	< 1	< 1	< 1
1305672	1.1	4.2	0.5	2.7	0.5	1.5	0.2	1.6	0.2	50	3	< 100	1450	70	336	0.2	522	< 1	< 1	< 1
1305673	0.6	2.8	0.3	1.7	0.3	1.0	0.1	1.0	0.2	31	< 2	< 100	1590	63	353	< 0.1	496	< 1	< 1	< 1
1305674	0.7	3.3	0.4	1.8	0.3	1.1	0.2	1.1	0.2	22	< 2	< 100	647	41	310	< 0.1	365	< 1	< 1	< 1
1305675	1.0	4.3	0.5	2.8	0.5	1.6	0.3	1.9	0.3	41	< 2	< 100	749	45	296	< 0.1	441	< 1	< 1	< 1
1305676	2.2	9.7	1.3	6.7	1.3	3.7	0.5	3.6	0.6	166	< 2	< 100	2110	32	423	0.6	602	< 1	< 1	< 1
1305677	0.5	2.3	0.3	1.5	0.3	0.8	0.1	0.8	0.1	31	< 2	< 100	852	13	555	0.1	421	< 1	< 1	< 1
1305678	1.1	5.3	0.6	3.4	0.7	2.0	0.3	1.8	0.3	51	< 2	< 100	1400	24	545	0.4	468	< 1	< 1	< 1
1305679	0.4	1.8	0.2	1.2	0.3	0.7	0.1	0.7	0.1	38	< 2	< 100	872	15	686	0.3	421	< 1	< 1	< 1
1305680	0.1	0.4	< 0.1	0.3	< 0.1	0.2	< 0.1	0.2	< 0.1	65	< 2	< 100	803	5	825	< 0.1	265	< 1	< 1	< 1
1305686	0.7	2.8	0.3	1.8	0.3	0.9	0.1	1.2	0.1	41	2	< 100	1070	56	321	< 0.1	548	< 1	< 1	< 1
1305687	0.6	2.8	0.3	1.6	0.3	0.9	0.2	0.9	0.2	11	< 2	< 100	3390	19	487	< 0.1	518	< 1	< 1	< 1
1305688	0.8	3.1	0.4	1.8	0.3	1.0	0.2	1.1	0.2	23	2	< 100	1260	57	418	0.1	498	< 1	< 1	< 1
1305689	0.4	1.9	0.2	1.1	0.2	0.5	< 0.1	0.6	< 0.1	7	< 2	< 100	3960	18	393	< 0.1	449	< 1	< 1	< 1
1305690	0.4	1.8	0.2	1.0	0.2	0.5	< 0.1	0.5	< 0.1	14	2	< 100	2270	55	387	< 0.1	618	< 1	< 1	< 1
1305691	0.5	2.4	0.3	1.4	0.3	0.9	0.1	0.8	0.1	33	< 2	< 100	3550	15	1090	< 0.1	602	< 1	< 1	< 1
1305692	0.3	1.2	0.1	0.7	0.2	0.5	< 0.1	0.6	< 0.1	22	< 2	< 100	3880	14	917	< 0.1	505	< 1	< 1	< 1
1305693	3.2	16.6	1.9	10.1	1.9	5.5	0.8	5.5	0.9	115	3	< 100	3430	79	580	2.8	956	< 1	< 1	< 1
1305694	2.2	12.0	1.4	7.0	1.4	3.7	0.6	3.7	0.6	74	2	< 100	4240	32	576	0.3	566	< 1	< 1	< 1
1305695	2.5	11.7	1.3	7.1	1.3	3.9	0.6	4.0	0.6	88	2	< 100	4440	26	491	< 0.1	525	< 1	< 1	< 1
1305701	1.1	4.2	0.5	2.4	0.4	1.3	0.2	1.5	0.2	46	3	< 100	465	57	294	< 0.1	513	< 1	< 1	< 1
1305702	1.6	7.8	0.9	4.8	1.0	2.8	0.4	2.8	0.5	159	< 2	< 100	1310	19	602	0.2	399	< 1	< 1	< 1
1305703	1.0	4.9	0.6	3.1	0.6	1.7	0.3	1.7	0.3	92	< 2	< 100	245	11	722	0.2	320	< 1	< 1	< 1
1305704	2.3	10.7	1.2	6.7	1.3	3.8	0.5	3.8	0.6	71	< 2	< 100	1480	16	508	< 0.1	469	< 1	< 1	< 1
1305705	2.1	10.1	1.2	6.4	1.3	3.4	0.6	3.5	0.6	76	< 2	< 100	1010	18	689	< 0.1	521	< 1	< 1	< 1
1305706	1.5	6.5	0.8	4.2	0.8	2.5	0.4	2.6	0.4	44	< 2	< 100	1040	20	344	< 0.1	425	< 1	< 1	< 1
1305707	1.8	8.1	1.0	4.6	0.9	2.8	0.4	2.9	0.5	51	< 2	< 100	601	32	392	< 0.1	441	< 1	< 1	< 1
1305708	2.8	12.0	1.5	7.2	1.4	4.1	0.6	4.6	0.7	67	< 2	< 100	1010	21	354	< 0.1	496	< 1	< 1	< 1
1305709	1.1	4.7	0.5	3.0	0.6	1.7	0.2	1.7	0.3	27	< 2	< 100	764	15	293	< 0.1	378	< 1	< 1	< 1
1305710	0.9	4.5	0.5	2.6	0.5	1.5	0.3	1.6	0.3	23	< 2	< 100	458	13	299	< 0.1	448	< 1	< 1	< 1
1305711	0.7	2.9	0.4	1.8	0.3	1.0	0.1	0.9	0.2	18	< 2	< 100	1680	62	399	< 0.1	588	< 1	< 1	< 1

Analyte Symbol	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Li	Be	Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	100	1	1	1	0.1	1	1	1	1
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1305712	0.8	3.3	0.4	1.8	0.4	1.1	0.2	1.1	0.2	27	< 2	< 100	522	47	331	< 0.1	519	< 1	< 1	< 1
1305713	0.7	3.0	0.3	1.5	0.3	0.9	0.1	0.9	0.1	31	2	< 100	744	152	374	0.2	708	< 1	< 1	< 1
1305714	0.8	3.1	0.4	1.9	0.3	1.1	0.1	1.0	0.2	20	2	< 100	3400	114	388	0.1	534	< 1	< 1	< 1
1305715	0.7	2.5	0.3	1.5	0.3	0.9	0.1	0.9	0.2	21	< 2	< 100	573	67	299	< 0.1	536	< 1	< 1	< 1
1305716	1.3	5.5	0.7	3.6	0.7	2.2	0.3	2.2	0.4	34	< 2	< 100	2270	41	406	< 0.1	581	< 1	< 1	< 1
1305717	2.1	8.9	1.1	5.2	1.0	3.1	0.5	3.4	0.5	60	< 2	< 100	2140	34	389	< 0.1	548	< 1	< 1	< 1
1305718	0.6	2.2	0.3	1.2	0.2	0.8	0.1	0.8	0.1	21	< 2	< 100	406	16	204	< 0.1	359	< 1	< 1	< 1
1305719	0.8	3.2	0.4	1.8	0.4	1.2	0.2	1.2	0.2	28	2	< 100	338	71	299	0.1	533	< 1	< 1	< 1
1305720	0.7	2.6	0.3	1.6	0.3	0.7	0.1	0.7	0.1	38	2	< 100	551	72	264	0.2	689	< 1	< 1	< 1
1305721	1.4	6.2	0.7	3.4	0.6	2.0	0.3	2.1	0.3	25	< 2	< 100	4770	30	424	< 0.1	571	< 1	< 1	< 1
1305722	0.4	1.9	0.2	1.3	0.2	0.7	0.1	0.7	< 0.1	41	< 2	< 100	2000	49	495	0.2	309	< 1	< 1	< 1
1305723	0.9	3.8	0.5	2.4	0.5	1.4	0.2	1.2	0.2	31	< 2	< 100	1440	20	538	0.2	440	< 1	< 1	< 1
1305724	< 0.1	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	8	< 2	< 100	981	11	578	< 0.1	225	< 1	< 1	< 1
1305725	0.2	0.8	< 0.1	0.4	< 0.1	0.3	< 0.1	0.2	< 0.1	19	< 2	< 100	2950	15	1070	< 0.1	457	< 1	< 1	< 1
1305726	0.1	0.3	< 0.1	0.2	< 0.1	0.2	< 0.1	0.2	< 0.1	16	< 2	< 100	2490	16	953	0.1	354	< 1	< 1	< 1
1305727	0.1	0.3	< 0.1	0.2	< 0.1	0.1	< 0.1	0.1	< 0.1	21	< 2	< 100	8020	8	857	< 0.1	368	< 1	< 1	< 1
1305728	0.1	0.2	< 0.1	0.2	< 0.1	0.1	< 0.1	0.1	< 0.1	29	< 2	< 100	3460	14	678	< 0.1	296	< 1	< 1	< 1
1305729	0.3	1.3	0.1	0.8	0.2	0.5	< 0.1	0.5	< 0.1	40	< 2	< 100	3430	12	718	0.1	358	< 1	< 1	< 1
1305730	1.7	7.6	0.9	4.7	0.9	2.5	0.4	2.4	0.4	23	< 2	< 100	353	14	578	0.2	384	< 1	< 1	< 1
1305731	1.2	5.2	0.6	3.0	0.6	1.8	0.3	1.8	0.3	34	< 2	< 100	8430	29	432	< 0.1	549	< 1	< 1	< 1
1305732	0.4	1.7	0.2	0.9	0.2	0.5	< 0.1	0.5	< 0.1	17	< 2	< 100	607	67	281	< 0.1	427	< 1	< 1	< 1
1305733	0.6	2.2	0.3	1.2	0.2	0.7	0.1	0.8	0.1	24	< 2	< 100	2180	31	477	< 0.1	539	< 1	< 1	< 1
1305734	0.5	1.9	0.2	1.0	0.2	0.6	< 0.1	0.6	< 0.1	19	2	< 100	1020	67	326	0.1	498	< 1	< 1	< 1
1305735	0.4	1.4	0.2	0.8	0.2	0.4	< 0.1	0.4	< 0.1	27	< 2	< 100	302	64	328	0.1	311	< 1	< 1	< 1
1305736	0.4	1.6	0.2	0.9	0.2	0.4	< 0.1	0.5	< 0.1	11	< 2	< 100	1610	60	333	< 0.1	439	< 1	< 1	< 1
1305737	1.2	4.5	0.5	2.0	0.4	1.0	0.2	1.1	0.1	5	2	< 100	520	50	372	0.2	589	< 1	< 1	< 1
1305738	0.2	0.8	< 0.1	0.5	0.1	0.3	< 0.1	0.2	< 0.1	12	< 2	< 100	314	54	274	0.2	312	< 1	< 1	< 1
1305739	0.8	3.1	0.4	1.9	0.3	1.0	0.1	0.7	< 0.1	16	2	< 100	740	67	320	0.4	460	< 1	< 1	< 1
1305740	0.4	2.2	0.3	1.3	0.3	0.7	0.1	0.6	< 0.1	10	2	< 100	195	67	234	0.1	315	< 1	< 1	< 1
1305741	0.6	2.9	0.3	1.7	0.3	1.0	0.1	0.9	0.2	15	2	< 100	981	82	289	0.2	538	< 1	< 1	< 1
1305742	0.2	0.7	< 0.1	0.4	< 0.1	0.3	< 0.1	0.2	< 0.1	16	< 2	< 100	845	58	251	0.1	449	< 1	< 1	< 1
1305743	1.1	5.4	0.5	2.7	0.5	1.5	0.3	1.7	0.2	19	< 2	< 100	6390	26	515	0.1	526	< 1	< 1	< 1
1305744	0.4	1.5	0.2	0.8	0.1	0.4	< 0.1	0.4	< 0.1	16	< 2	< 100	267	9	347	< 0.1	362	< 1	< 1	< 1
1305745	1.3	5.7	0.7	3.2	0.6	2.1	0.3	2.2	0.3	40	2	< 100	4330	36	384	< 0.1	599	< 1	< 1	< 1
1305746	0.9	3.9	0.5	2.2	0.4	1.1	0.2	0.9	0.1	6	< 2	< 100	1150	19	348	< 0.1	332	< 1	< 1	< 1
1305747	1.4	5.8	0.6	3.0	0.5	1.5	0.2	1.2	0.2	6	2	< 100	556	144	522	0.6	634	< 1	< 1	< 1
1309001	1.8	8.3	1.0	5.0	1.0	2.8	0.4	2.8	0.4	48	< 2	< 100	1250	27	646	0.2	508	< 1	< 1	< 1
1309007	0.3	1.6	0.2	0.8	0.1	0.5	< 0.1	0.5	< 0.1	15	< 2	< 100	3770	31	171	< 0.1	316	< 1	< 1	< 1
1309008	0.9	4.2	0.5	2.3	0.4	1.3	0.2	1.4	0.2	23	2	< 100	3370	41	328	< 0.1	436	< 1	< 1	< 1
1309009	1.9	7.3	1.0	5.3	0.9	2.9	0.5	3.5	0.6	58	2	< 100	1120	38	329	< 0.1	562	< 1	< 1	< 1
1309010	1.1	4.8	0.6	3.0	0.6	2.0	0.3	1.9	0.3	72	< 2	< 100	8350	30	577	0.2	498	< 1	< 1	< 1
1309011	2.0	9.1	1.0	5.5	1.1	3.3	0.5	3.2	0.6	46	< 2	< 100	795	23	502	0.2	381	< 1	< 1	< 1
1309012	1.9	8.8	1.1	5.6	1.1	3.5	0.5	3.4	0.5	47	< 2	< 100	2250	18	348	0.1	400	< 1	< 1	< 1
1309013	1.8	8.1	0.9	5.0	0.9	2.9	0.4	2.8	0.5	45	< 2	< 100	1120	23	383	0.4	393	< 1	< 1	< 1
1309014	1.9	8.0	1.0	5.2	1.0	2.7	0.4	3.2	0.5	43	< 2	< 100	806	34	365	0.1	502	< 1	< 1	< 1
1309015	0.5	2.4	0.3	1.3	0.3	0.8	< 0.1	0.8	0.1	28	< 2	< 100	760	20	273	0.1	356	< 1	< 1	< 1
1309016	2.1	9.6	1.2	6.0	1.2	3.4	0.5	3.7	0.5	57	< 2	< 100	624	15	389	0.2	478	< 1	< 1	< 1
1309017	0.8	2.4	0.3	1.6	0.3	0.9	0.1	0.9	0.2	21	< 2	< 100	1890	30	332	< 0.1	487	< 1	< 1	< 1
1309018	0.5	1.9	0.2	1.1	0.2	0.6	< 0.1	0.6	< 0.1	17	< 2	< 100	1340	15	305	< 0.1	428	< 1	< 1	< 1
1309019	0.6	2.3	0.3	1.3	0.3	0.8	0.1	0.9	0.1	17	2	< 100	833	36	303	< 0.1	469	< 1	< 1	< 1

Analyte Symbol	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Li	Be	Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	100	1	1	1	0.1	1	1	1	1
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1309020	0.6	2.5	0.3	1.6	0.3	0.9	0.1	0.8	0.1	11	< 2	< 100	3920	16	388	< 0.1	437	< 1	< 1	< 1
1309021	0.5	2.0	0.2	1.1	0.2	0.6	< 0.1	0.7	< 0.1	13	< 2	< 100	493	23	251	< 0.1	364	< 1	< 1	< 1
1309022	0.3	1.1	0.1	0.6	0.1	0.3	< 0.1	0.4	< 0.1	7	< 2	< 100	1670	50	347	< 0.1	580	< 1	< 1	< 1
1309023	0.5	2.0	0.2	1.0	0.2	0.5	< 0.1	0.4	< 0.1	9	3	< 100	312	65	228	0.6	612	< 1	< 1	< 1
1309024	1.6	5.5	0.6	2.9	0.5	1.4	0.2	1.2	0.2	9	< 2	< 100	341	52	264	0.1	407	< 1	< 1	< 1
1309025	0.6	2.6	0.3	1.7	0.3	0.9	0.1	0.8	0.1	11	< 2	< 100	1460	27	457	< 0.1	477	< 1	< 1	< 1
1309026	0.7	2.8	0.3	1.6	0.3	0.8	0.1	0.9	0.1	12	< 2	< 100	1630	23	398	< 0.1	412	< 1	< 1	< 1
1309027	0.6	1.9	0.2	1.0	0.2	0.6	< 0.1	0.7	< 0.1	17	< 2	< 100	482	27	219	< 0.1	370	< 1	< 1	< 1
1309028	0.5	1.5	0.2	1.0	0.2	0.6	< 0.1	0.6	< 0.1	20	< 2	< 100	861	25	253	< 0.1	488	< 1	< 1	< 1
1309029	0.7	2.4	0.3	1.3	0.3	0.8	0.1	0.8	0.1	30	2	< 100	707	86	361	0.1	667	< 1	< 1	< 1
1309030	0.4	1.4	0.2	0.7	0.2	0.4	< 0.1	0.3	< 0.1	12	< 2	< 100	676	117	254	0.4	607	< 1	< 1	< 1
1309031	0.2	0.8	0.1	0.5	< 0.1	0.3	< 0.1	0.3	< 0.1	7	< 2	< 100	307	29	167	0.5	421	< 1	< 1	< 1
1309032	< 0.1	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 2	< 2	< 100	947	8	451	< 0.1	382	< 1	< 1	< 1
1309033	0.6	2.1	0.2	1.0	0.2	0.6	< 0.1	0.6	< 0.1	21	2	< 100	1420	135	378	0.2	624	< 1	< 1	< 1
1309034	0.4	1.3	0.1	0.8	0.1	0.4	< 0.1	0.3	< 0.1	12	3	< 100	3040	109	292	0.8	944	< 1	< 1	< 1
1309035	0.3	0.9	0.1	0.7	0.1	0.3	< 0.1	0.3	< 0.1	9	< 2	< 100	537	42	283	0.2	360	< 1	< 1	< 1
1309036	0.4	1.2	0.1	0.5	0.1	0.3	< 0.1	0.3	< 0.1	3	< 2	< 100	858	26	241	0.2	628	< 1	< 1	< 1
1309037	0.2	0.6	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	14	< 2	< 100	1390	22	397	0.2	664	< 1	< 1	< 1
1309038	3.1	13.4	1.2	5.3	0.9	2.2	0.2	1.7	0.3	4	3	< 100	2740	63	295	0.9	821	< 1	< 1	< 1
1309039	0.3	1.2	0.1	0.5	0.1	0.3	< 0.1	0.2	< 0.1	4	2	< 100	250	41	79	1.5	238	< 1	< 1	< 1

Analyte Symbol	Al	Ca	Fe	K	Mg	Na	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.5	5	1	5	2	5	2000	5	2	1	1	5	1	0.1	1	1	0.01	0.05	1	0.1	0.1	1	3
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
TILL-2 Meas			59					1070		103	49		75	2.4		7		< 0.05	< 1	17.2	16.8	34	46
TILL-2 Cert			38400.00					12200.0		77000	26000		14000	800.0		5000		2	70.0	18400.0	5700.0	15000	32000
TILL-2 Meas			59					1080		105	51		74	2.4		7		< 0.05	< 1	17.3	17.0	33	47
TILL-2 Cert			38400.00					12200.0		77000	26000		14000	800.0		5000		2	70.0	18400.0	5700.0	15000	32000
TILL-2 Meas			59					1030		107	51		76	2.3		7		< 0.05	< 1	17.9	17.1	35	48
TILL-2 Cert			38400.00					12200.0		77000	26000		14000	800.0		5000		2	70.0	18400.0	5700.0	15000	32000
TILL-2 Meas			59					1010		108	51		76	2.4		7		< 0.05	< 1	18.2	17.2	36	48
TILL-2 Cert			38400.00					12200.0		77000	26000		14000	800.0		5000		2	70.0	18400.0	5700.0	15000	32000
TILL-2 Meas			59					1060		101	50		71	2.3		7		< 0.05	< 1	16.8	18.0	40	45
TILL-2 Cert			38400.00					12200.0		77000	26000		14000	800.0		5000		2	70.0	18400.0	5700.0	15000	32000
TILL-2 Meas			59					1060		100	51		73	2.3		8		< 0.05	< 1	17.1	17.3	36	49
TILL-2 Cert			38400.00					12200.0		77000	26000		14000	800.0		5000		2	70.0	18400.0	5700.0	15000	32000
TILL-2 Meas			59					1040		106	50		74	2.5		7		< 0.05	< 1	18.0	17.7	32	47
TILL-2 Cert			38400.00					12200.0		77000	26000		14000	800.0		5000		2	70.0	18400.0	5700.0	15000	32000
TILL-2 Meas			59					1010		107	50		75	2.5		7		< 0.05	< 1	17.8	17.9	32	47
TILL-2 Cert			38400.00					12200.0		77000	26000		14000	800.0		5000		2	70.0	18400.0	5700.0	15000	32000
TILL-2 Meas			59					1000		106	51		71	2.2		8		< 0.05	< 1	17.3	16.8	32	48
TILL-2 Cert			38400.00					12200.0		77000	26000		14000	800.0		5000		2	70.0	18400.0	5700.0	15000	32000
TILL-2 Meas			59					1020		100	51		73	2.3		8		< 0.05	< 1	17.4	16.1	34	48
TILL-2 Cert			38400.00					12200.0		77000	26000		14000	800.0		5000		2	70.0	18400.0	5700.0	15000	32000
1305510 Orig	5.6	73	11	27	22	10	< 2000	100	30	132	15	< 5	1	0.7	< 1	< 1	< 0.01	< 0.05	< 1	18.4	1.8	26	44
1305510 Dup	5.3	71	11	25	21	10	5000	83	26	117	13	< 5	1	1.3	< 1	< 1	< 0.01	< 0.05	< 1	16.2	1.6	24	42
1305521 Orig	14.6	154	12	14	31	10	3000	50	37	297	8	< 5	14	1.7	< 1	< 1	< 0.01	< 0.05	< 1	9.9	1.4	11	36
1305521 Dup	15.0	181	12	19	37	12	< 2000	70	48	348	9	< 5	17	2.3	< 1	1	< 0.01	< 0.05	< 1	11.9	1.6	10	36
1305528 Orig	60.8	73	57	38	30	9	2000	118	43	189	14	< 5	3	1.0	< 1	1	0.01	< 0.05	< 1	23.4	4.4	23	73
1305528 Dup	49.4	71	49	33	26	8	< 2000	116	43	156	12	< 5	2	1.0	< 1	< 1	< 0.01	< 0.05	< 1	21.4	4.0	18	57
1305576 Orig	10.4	160	8	48	43	14	3000	132	53	220	12	< 5	4	1.1	< 1	< 1	0.02	< 0.05	< 1	13.9	2.9	16	46
1305576 Dup	6.8	143	5	39	37	12	5000	101	36	183	10	7	3	1.3	< 1	< 1	< 0.01	< 0.05	< 1	11.0	2.3	16	42
1305585 Orig	6.7	91	5	39	25	7	6000	112	28	90	19	< 5	1	0.8	< 1	< 1	< 0.01	< 0.05	< 1	9.8	1.5	15	14
1305585 Dup	6.2	101	5	44	29	8	4000	102	28	102	18	< 5	1	0.9	< 1	< 1	< 0.01	< 0.05	< 1	10.2	1.3	16	15
1305594 Orig	6.5	108	5	52	29	8	6000	96	27	106	19	< 5	2	1.3	< 1	< 1	< 0.01	< 0.05	< 1	11.6	1.4	13	23
1305594 Dup	6.4	116	5	55	31	8	5000	106	26	110	20	< 5	2	1.1	< 1	< 1	< 0.01	< 0.05	< 1	12.1	1.4	15	25
1305626 Orig	2.7	99	4	30	38	13	< 2000	91	33	166	12	< 5	1	1.7	< 1	< 1	< 0.01	< 0.05	< 1	9.1	1.8	21	25
1305626 Dup	3.1	100	4	32	40	14	< 2000	123	37	178	14	< 5	2	1.4	< 1	< 1	< 0.01	< 0.05	< 1	9.7	1.8	21	24
1305668 Orig	6.0	119	5	43	34	10	< 2000	91	35	145	11	< 5	2	1.3	< 1	< 1	< 0.01	< 0.05	< 1	18.4	1.8	9	16
1305668 Dup	4.6	110	4	36	32	8	< 2000	83	31	124	10	< 5	1	1.5	< 1	< 1	< 0.01	< 0.05	< 1	14.6	1.4	9	14
1305675 Orig	4.1	97	4	39	29	11	3000	96	31	162	12	< 5	2	1.0	< 1	< 1	< 0.01	< 0.05	< 1	10.0	1.1	12	19
1305675 Dup	3.8	97	4	38	29	11	4000	97	29	160	12	< 5	2	1.4	< 1	< 1	< 0.01	< 0.05	< 1	9.1	1.0	13	18
1305713 Orig	7.2	74	6	37	25	11	4000	100	28	65	13	5	2	0.6	< 1	< 1	< 0.01	< 0.05	< 1	10.8	1.3	16	30
1305713 Dup	6.9	69	6	32	23	14	10000	106	26	61	12	< 5	2	1.0	< 1	< 1	< 0.01	< 0.05	< 1	9.5	1.2	16	28
1305722 Orig	8.7	208	9	23	56	15	6000	72	42	128	29	< 5	14	2.2	< 1	< 1	< 0.01	< 0.05	< 1	10.1	1.3	17	26
1305722 Dup	7.9	188	8	21	52	14	5000	91	29	107	29	< 5	13	1.9	< 1	< 1	< 0.01	< 0.05	< 1	9.1	1.1	16	25
1305731 Orig	6.2	135	7	42	50	11	5000	129	35	176	25	< 5	6	1.8	< 1	< 1	0.01	< 0.05	< 1	11.0	1.4	57	49

Analyte Symbol	Al	Ca	Fe	K	Mg	Na	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.5	5	1	5	2	5	2000	5	2	1	1	5	1	0.1	1	1	0.01	0.05	1	0.1	0.1	1	3
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1305731 Dup	6.4	131	7	41	50	11	4000	135	38	175	25	7	6	2.0	< 1	< 1	< 0.01	< 0.05	< 1	11.1	1.4	56	48
1309021 Orig	2.9	91	4	23	27	7	5000	58	15	61	10	< 5	1	1.1	< 1	< 1	< 0.01	< 0.05	< 1	7.8	0.8	10	16
1309021 Dup	2.6	74	3	17	20	< 5	4000	50	12	65	8	< 5	< 1	1.2	< 1	< 1	< 0.01	< 0.05	< 1	5.5	0.8	9	13
1309032 Orig	2.3	53	3	6	8	< 5	3000	13	< 2	18	10	< 5	< 1	1.4	< 1	< 1	< 0.01	< 0.05	< 1	< 0.1	0.1	7	11
1309032 Dup	6.3	121	8	19	19	8	8000	57	11	71	35	< 5	2	1.5	< 1	< 1	< 0.01	< 0.05	< 1	2.1	0.5	16	21
1309039 Orig	26.5	20	4	11	5	< 5	4000	76	5	4	2	< 5	< 1	0.4	< 1	< 1	< 0.01	< 0.05	< 1	< 0.1	0.7	18	15
1309039 Dup	26.8	18	4	10	5	< 5	6000	73	5	5	2	< 5	< 1	0.4	< 1	< 1	< 0.01	< 0.05	< 1	< 0.1	0.6	18	12
Method Blank	< 0.5	< 5	< 1	< 5	< 2	< 5	< 2000	< 5	< 2	< 1	< 1	< 5	< 1	< 0.1	< 1	< 1	< 0.01	< 0.05	< 1	< 0.1	< 0.1	< 1	< 3
Method Blank	< 0.5	< 5	< 1	< 5	< 2	< 5	< 2000	< 5	< 2	< 1	< 1	< 5	< 1	< 0.1	< 1	< 1	< 0.01	< 0.05	< 1	< 0.1	< 0.1	< 1	< 3
Method Blank	< 0.5	< 5	< 1	< 5	< 2	< 5	< 2000	< 5	< 2	< 1	< 1	< 5	< 1	< 0.1	< 1	< 1	< 0.01	< 0.05	< 1	< 0.1	< 0.1	< 1	< 3
Method Blank	< 0.5	< 5	< 1	< 5	< 2	< 5	< 2000	< 5	< 2	< 1	< 1	< 5	< 1	< 0.1	< 1	< 1	< 0.01	< 0.05	< 1	< 0.1	< 0.1	< 1	< 3
Method Blank	< 0.5	< 5	< 1	< 5	< 2	< 5	< 2000	< 5	< 2	< 1	< 1	< 5	< 1	< 0.1	< 1	< 1	< 0.01	< 0.05	< 1	< 0.1	< 0.1	< 1	< 3

Analyte Symbol	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	Ti	Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd	Sm
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	3	10	1	1	0.5	0.2	0.2	0.1	0.8	0.1	0.8	100	20	0.5	1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
TILL-2 Meas	270	190	58									4000	60	53.9	87	13	3.3	0.9	56.0	117		50.9	12.1
TILL-2 Cert	150000	130000	31000									5300000	74000	40000	390000	20000	11000	1900.0	44000	98000		36000	7400.0
TILL-2 Meas	266	190	57									4100	60	54.9	88	13	3.3	0.9	56.1	118		52.0	12.5
TILL-2 Cert	150000	130000	31000									5300000	74000	40000	390000	20000	11000	1900.0	44000	98000		36000	7400.0
TILL-2 Meas	278	190	58									4100	60	59.6	89	14	3.3	0.8	57.5	119		57.9	13.5
TILL-2 Cert	150000	130000	31000									5300000	74000	40000	390000	20000	11000	1900.0	44000	98000		36000	7400.0
TILL-2 Meas	279	190	57									4100	60	56.4	90	13	3.3	0.8	53.6	121		55.3	13.8
TILL-2 Cert	150000	130000	31000									5300000	74000	40000	390000	20000	11000	1900.0	44000	98000		36000	7400.0
TILL-2 Meas	256	190	56									4000	60	52.2	85	13	2.9	0.8	54.4	113		52.9	12.3
TILL-2 Cert	150000	130000	31000									5300000	74000	40000	390000	20000	11000	1900.0	44000	98000		36000	7400.0
TILL-2 Meas	274	190	56									4000	60	54.7	80	13	3.0	0.9	54.9	115		54.3	12.4
TILL-2 Cert	150000	130000	31000									5300000	74000	40000	390000	20000	11000	1900.0	44000	98000		36000	7400.0
TILL-2 Meas	259	190	55									4000	60	53.0	86	14	3.1	0.8	54.0	121		56.1	12.0
TILL-2 Cert	150000	130000	31000									5300000	74000	40000	390000	20000	11000	1900.0	44000	98000		36000	7400.0
TILL-2 Meas	256	200	55									4100	60	52.4	86	13	3.1	0.8	53.6	119		54.5	12.1
TILL-2 Cert	150000	130000	31000									5300000	74000	40000	390000	20000	11000	1900.0	44000	98000		36000	7400.0
TILL-2 Meas	263	190	47									4000	60	52.2	79	13	3.1	0.8	55.0	114		51.8	11.9
TILL-2 Cert	150000	130000	31000									5300000	74000	40000	390000	20000	11000	1900.0	44000	98000		36000	7400.0
TILL-2 Meas	272	200	47									4000	60	54.6	80	13	3.1	0.8	57.4	114		54.0	11.6
TILL-2 Cert	150000	130000	31000									5300000	74000	40000	390000	20000	11000	1900.0	44000	98000		36000	7400.0
1305510 Orig	31	140	1	< 1	0.6	< 0.2	1.8	< 0.1	< 0.8	0.2	< 0.8	1000	20	15.7	95	3	2.6	0.1	32.2	90.5	11.1	44.1	8.1
1305510 Dup	28	120	1	< 1	0.7	< 0.2	1.5	< 0.1	< 0.8	0.2	< 0.8	900	20	14.4	84	3	2.3	< 0.1	29.0	82.2	10.2	39.8	7.7
1305521 Orig	21	60	4	3	1.1	< 0.2	1.0	< 0.1	< 0.8	0.2	< 0.8	900	30	16.5	65	4	1.5	0.3	34.2	48.7	8.7	33.7	5.5
1305521 Dup	23	40	4	4	2.4	< 0.2	0.7	< 0.1	< 0.8	0.2	< 0.8	1000	30	18.0	72	5	1.9	0.3	37.1	52.5	9.6	37.3	6.2
1305528 Orig	58	160	19	22	5.6	< 0.2	0.7	0.1	2.1	0.7	< 0.8	3300	130	27.6	120	13	4.5	0.9	57.0	125	15.4	57.7	11.0
1305528 Dup	48	130	14	16	4.1	< 0.2	0.8	< 0.1	1.4	0.6	< 0.8	2600	100	21.6	99	10	3.5	0.6	51.0	110	14.3	54.4	9.2
1305576 Orig	32	40	2	2	0.6	< 0.2	0.7	< 0.1	< 0.8	0.1	< 0.8	900	20	25.0	95	5	2.0	0.2	40.4	82.1	12.8	55.3	8.9
1305576 Dup	26	60	1	1	2.0	< 0.2	0.8	< 0.1	< 0.8	< 0.1	< 0.8	700	< 20	20.5	77	4	1.6	0.1	33.6	67.3	10.6	44.6	7.4
1305585 Orig	18	60	2	< 1	1.1	< 0.2	0.8	< 0.1	< 0.8	< 0.1	< 0.8	1100	< 20	6.7	50	4	1.6	0.1	11.1	34.1	3.7	16.0	2.8
1305585 Dup	18	60	1	< 1	< 0.5	< 0.2	1.1	< 0.1	< 0.8	0.1	< 0.8	1200	< 20	6.6	52	4	1.6	< 0.1	11.1	34.1	3.8	17.2	3.1
1305594 Orig	19	110	1	< 1	< 0.5	< 0.2	1.4	< 0.1	< 0.8	0.1	< 0.8	1000	< 20	10.4	77	4	2.3	0.1	17.2	42.9	5.7	24.4	4.4
1305594 Dup	18	100	1	< 1	0.7	< 0.2	1.4	< 0.1	< 0.8	0.1	< 0.8	1100	< 20	11.0	79	4	2.4	0.1	17.1	43.5	5.7	24.3	4.3
1305626 Orig	29	70	< 1	< 1	< 0.5	< 0.2	0.5	< 0.1	< 0.8	< 0.1	< 0.8	900	< 20	13.8	82	5	2.2	0.2	19.8	40.1	7.9	33.5	6.4
1305626 Dup	31	30	3	< 1	< 0.5	< 0.2	0.5	< 0.1	< 0.8	< 0.1	< 0.8	900	< 20	15.2	90	5	2.3	0.2	21.0	43.0	8.4	36.0	6.7
1305668 Orig	25	50	2	< 1	0.8	< 0.2	0.6	< 0.1	< 0.8	< 0.1	< 0.8	1200	< 20	14.7	116	5	2.9	0.2	21.6	53.4	7.7	32.7	6.2
1305668 Dup	22	60	1	< 1	< 0.5	< 0.2	0.7	< 0.1	< 0.8	< 0.1	< 0.8	1100	< 20	12.2	97	5	2.6	0.2	17.8	43.7	6.8	28.6	5.8
1305675 Orig	27	70	2	< 1	< 0.5	< 0.2	1.2	< 0.1	< 0.8	0.1	< 0.8	1100	< 20	11.9	99	5	2.5	0.1	17.5	40.2	6.3	27.9	5.2
1305675 Dup	26	70	2	< 1	< 0.5	< 0.2	0.9	< 0.1	< 0.8	0.1	< 0.8	1100	< 20	11.6	96	5	2.4	0.1	16.6	38.0	6.0	26.5	4.5
1305713 Orig	18	120	1	1	0.5	< 0.2	1.8	< 0.1	< 0.8	0.2	< 0.8	1200	< 20	7.5	75	5	2.3	0.1	14.1	47.7	4.6	18.6	3.7
1305713 Dup	18	110	1	< 1	1.4	< 0.2	1.7	< 0.1	< 0.8	0.2	< 0.8	1100	< 20	7.1	69	4	1.9	0.1	13.2	43.8	4.2	18.2	3.5
1305722 Orig	17	70	2	1	< 0.5	< 0.2	0.6	< 0.1	0.9	0.2	< 0.8	1200	30	6.0	76	5	2.1	0.3	7.6	25.7	2.4	10.6	2.1
1305722 Dup	16	80	2	1	0.8	< 0.2	0.6	< 0.1	< 0.8	0.2	< 0.8	1100	20	5.4	71	4	1.9	0.2	7.1	24.5	2.4	10.2	2.0
1305731 Orig	29	80	< 1	< 1	< 0.5	< 0.2	1.1	< 0.1	< 0.8	0.1	< 0.8	1300	20	14.6	87	6	2.0	0.2	20.4	59.5	7.2	30.5	6.1

Analyte Symbol	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	Ti	Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd	Sm
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	3	10	1	1	0.5	0.2	0.2	0.1	0.8	0.1	0.8	100	20	0.5	1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1305731 Dup	29	60	1	< 1	1.3	< 0.2	1.5	< 0.1	< 0.8	< 0.1	< 0.8	1300	20	14.9	87	6	2.0	0.2	21.3	63.7	7.5	31.9	6.6
1309021 Orig	9	30	< 1	< 1	< 0.5	< 0.2	0.5	< 0.1	< 0.8	< 0.1	< 0.8	600	< 20	5.4	39	3	1.2	< 0.1	8.5	24.3	2.9	10.8	2.2
1309021 Dup	8	40	1	< 1	< 0.5	< 0.2	< 0.2	< 0.1	< 0.8	< 0.1	< 0.8	500	< 20	4.8	38	2	0.8	< 0.1	7.1	20.4	2.5	9.6	1.8
1309032 Orig	< 3	80	1	< 1	< 0.5	< 0.2	0.6	< 0.1	< 0.8	< 0.1	< 0.8	700	< 20	< 0.5	2	< 1	< 0.1	< 0.1	1.2	2.8	0.3	1.2	0.2
1309032 Dup	6	120	2	2	0.5	< 0.2	1.2	< 0.1	< 0.8	< 0.1	< 0.8	2300	< 20	1.6	7	4	0.3	0.2	3.5	8.2	1.0	3.3	0.7
1309039 Orig	16	80	7	< 1	< 0.5	< 0.2	1.0	< 0.1	< 0.8	0.5	< 0.8	100	< 20	3.2	2	< 1	< 0.1	< 0.1	7.7	14.0	1.9	6.7	1.2
1309039 Dup	16	80	7	< 1	< 0.5	< 0.2	1.0	< 0.1	< 0.8	0.5	< 0.8	100	< 20	3.6	2	< 1	< 0.1	< 0.1	7.9	14.5	1.9	6.5	1.2
Method Blank	< 3	< 10	< 1	< 1	< 0.5	< 0.2	< 0.2	< 0.1	< 0.8	< 0.1	< 0.8	< 100	< 20	< 0.5	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 3	< 10	< 1	< 1	< 0.5	< 0.2	< 0.2	< 0.1	< 0.8	< 0.1	< 0.8	< 100	< 20	< 0.5	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 3	< 10	< 1	< 1	< 0.5	< 0.2	< 0.2	< 0.1	< 0.8	< 0.1	< 0.8	< 100	< 20	< 0.5	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 3	< 10	< 1	< 1	< 0.5	< 0.2	< 0.2	< 0.1	< 0.8	< 0.1	< 0.8	< 100	< 20	< 0.5	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 3	< 10	< 1	< 1	< 0.5	< 0.2	< 0.2	< 0.1	< 0.8	< 0.1	< 0.8	< 100	< 20	< 0.5	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Analyte Symbol	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Li	Be	Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	100	1	1	1	0.1	1	1	1	1
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
TILL-2 Meas	2.8		1.6			5.2		5.0	0.9	32	5	< 100	6540	197	667	11.7	1450			
TILL-2 Cert	1000.0		1200.0			3700.0		3700.0	600.0	47000	4000.0	12000	780000	143000	144000	12000	540000			
TILL-2 Meas	2.9		1.6			5.2		5.4	0.8	31	4	< 100	6750	198	667	11.8	1370			
TILL-2 Cert	1000.0		1200.0			3700.0		3700.0	600.0	47000	4000.0	12000	780000	143000	144000	12000	540000			
TILL-2 Meas	3.1		1.6			5.0		4.7	0.8	32	5	< 100	7480	205	763	11.7	1420			
TILL-2 Cert	1000.0		1200.0			3700.0		3700.0	600.0	47000	4000.0	12000	780000	143000	144000	12000	540000			
TILL-2 Meas	2.8		1.7			5.1		4.8	0.9	32	4	< 100	7740	210	777	11.8	1390			
TILL-2 Cert	1000.0		1200.0			3700.0		3700.0	600.0	47000	4000.0	12000	780000	143000	144000	12000	540000			
TILL-2 Meas	2.7		1.7			5.1		5.2	0.9	31	4	< 100	6270	198	631	12.7	1330			
TILL-2 Cert	1000.0		1200.0			3700.0		3700.0	600.0	47000	4000.0	12000	780000	143000	144000	12000	540000			
TILL-2 Meas	2.8		1.7			5.0		4.6	0.8	33	5	< 100	8190	195	812	13.0	1530			
TILL-2 Cert	1000.0		1200.0			3700.0		3700.0	600.0	47000	4000.0	12000	780000	143000	144000	12000	540000			
TILL-2 Meas	2.7		1.7			5.2		5.2	0.8	31	4	< 100	7250	195	686	11.9	1220			
TILL-2 Cert	1000.0		1200.0			3700.0		3700.0	600.0	47000	4000.0	12000	780000	143000	144000	12000	540000			
TILL-2 Meas	2.6		1.7			5.2		5.1	0.8	31	3	< 100	7390	197	698	11.8	1270			
TILL-2 Cert	1000.0		1200.0			3700.0		3700.0	600.0	47000	4000.0	12000	780000	143000	144000	12000	540000			
TILL-2 Meas	2.7		1.6			5.1		4.8	0.8	31	4	< 100	7370	194	748	12.0	1360			
TILL-2 Cert	1000.0		1200.0			3700.0		3700.0	600.0	47000	4000.0	12000	780000	143000	144000	12000	540000			
TILL-2 Meas	2.8		1.7			5.0		4.4	0.9	30	4	< 100	8090	198	809	12.0	1350			
TILL-2 Cert	1000.0		1200.0			3700.0		3700.0	600.0	47000	4000.0	12000	780000	143000	144000	12000	540000			
1305510 Orig	1.6	7.2	0.8	3.9	0.7	2.0	0.3	2.3	0.4	34	2	< 100	1490	64	240	0.1	498	< 1	< 1	< 1
1305510 Dup	1.4	6.5	0.7	3.7	0.7	1.8	0.3	2.1	0.3	33	2	< 100	1400	59	228	0.1	515	< 1	< 1	< 1
1305521 Orig	1.2	5.1	0.6	3.2	0.6	1.8	0.3	1.8	0.3	115	< 2	< 100	1320	27	328	0.9	668	< 1	< 1	< 1
1305521 Dup	1.2	5.5	0.7	3.6	0.7	2.0	0.3	2.1	0.3	142	< 2	< 100	1270	28	377	1.0	655	< 1	< 1	< 1
1305528 Orig	1.8	9.5	1.0	4.7	1.0	2.8	0.5	2.9	0.5	81	3	< 100	966	139	214	5.6	640	< 1	< 1	< 1
1305528 Dup	1.9	8.4	1.0	4.4	0.9	2.6	0.4	2.7	0.5	63	3	< 100	836	117	203	4.4	556	< 1	< 1	< 1
1305576 Orig	1.9	8.0	1.0	5.2	1.0	2.9	0.5	3.0	0.5	75	< 2	< 100	1680	26	387	0.4	595	< 1	< 1	< 1
1305576 Dup	1.4	6.8	0.8	4.2	0.8	2.3	0.3	2.4	0.4	66	< 2	< 100	1590	20	346	0.2	567	< 1	< 1	< 1
1305585 Orig	0.6	2.8	0.3	1.5	0.3	0.9	0.1	0.9	0.1	20	< 2	< 100	2970	51	217	0.1	373	< 1	< 1	< 1
1305585 Dup	0.6	2.6	0.3	1.8	0.3	0.9	0.2	0.9	0.2	22	< 2	< 100	3070	58	248	0.1	419	< 1	< 1	< 1
1305594 Orig	1.0	3.9	0.5	2.4	0.5	1.4	0.2	1.5	0.2	27	< 2	< 100	865	46	302	0.2	547	< 1	< 1	< 1
1305594 Dup	0.9	4.2	0.5	2.6	0.5	1.3	0.2	1.4	0.2	25	< 2	< 100	864	48	325	< 0.1	558	< 1	< 1	< 1
1305626 Orig	1.3	5.1	0.6	3.4	0.6	2.0	0.3	2.2	0.4	40	2	< 100	987	36	376	< 0.1	525	< 1	< 1	< 1
1305626 Dup	1.3	5.5	0.7	3.7	0.7	2.0	0.3	2.5	0.4	43	2	< 100	970	38	385	< 0.1	502	< 1	< 1	< 1
1305668 Orig	1.2	5.5	0.7	3.7	0.7	2.0	0.3	2.1	0.4	29	< 2	< 100	342	33	340	0.1	473	< 1	< 1	< 1
1305668 Dup	1.1	4.9	0.6	3.1	0.6	1.8	0.3	1.8	0.3	25	< 2	< 100	335	28	315	< 0.1	472	< 1	< 1	< 1
1305675 Orig	1.1	4.3	0.5	2.9	0.6	1.7	0.3	1.9	0.3	42	< 2	< 100	745	46	301	< 0.1	454	< 1	< 1	< 1
1305675 Dup	1.0	4.3	0.5	2.7	0.5	1.6	0.2	1.9	0.3	40	2	< 100	753	45	292	< 0.1	429	< 1	< 1	< 1
1305713 Orig	0.6	3.1	0.4	1.6	0.3	1.0	0.1	1.0	0.2	33	2	< 100	756	162	389	0.2	720	< 1	< 1	< 1
1305713 Dup	0.7	2.9	0.3	1.4	0.3	0.9	0.1	0.8	0.1	30	2	< 100	733	142	359	0.1	696	< 1	< 1	< 1
1305722 Orig	0.4	2.0	0.3	1.3	0.3	0.7	0.1	0.7	0.1	41	< 2	< 100	2100	50	511	0.2	317	< 1	< 1	< 1
1305722 Dup	0.4	1.8	0.2	1.2	0.2	0.7	0.1	0.7	< 0.1	40	< 2	< 100	1900	48	480	0.2	302	< 1	< 1	< 1
1305731 Orig	1.3	5.1	0.6	2.9	0.6	1.8	0.2	1.7	0.3	35	< 2	< 100	8460	31	436	< 0.1	549	< 1	< 1	< 1

Analyte Symbol	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Li	Be	Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	100	1	1	1	0.1	1	1	1	1
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1305731 Dup	1.2	5.3	0.7	3.1	0.6	1.8	0.3	1.8	0.3	33	< 2	< 100	8400	28	427	< 0.1	549	< 1	< 1	< 1
1309021 Orig	0.5	2.1	0.3	1.2	0.2	0.7	< 0.1	0.7	< 0.1	14	< 2	< 100	543	25	281	< 0.1	392	< 1	< 1	< 1
1309021 Dup	0.4	1.9	0.2	1.0	0.2	0.5	0.1	0.6	< 0.1	11	< 2	< 100	443	21	220	< 0.1	335	< 1	< 1	< 1
1309032 Orig	< 0.1	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 2	< 2	< 100	708	5	268	< 0.1	253	< 1	< 1	< 1
1309032 Dup	0.2	0.6	< 0.1	0.3	< 0.1	0.2	< 0.1	0.2	< 0.1	3	< 2	< 100	1190	11	635	< 0.1	510	< 1	< 1	< 1
1309039 Orig	0.3	1.1	0.1	0.5	0.1	0.3	< 0.1	0.2	< 0.1	4	2	< 100	248	41	80	1.5	238	< 1	< 1	< 1
1309039 Dup	0.3	1.2	0.2	0.6	0.1	0.3	< 0.1	0.2	< 0.1	4	2	< 100	253	41	77	1.4	238	< 1	< 1	< 1
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 2	< 2	< 100	< 1	< 1	< 1	< 0.1	< 1	< 1	< 1	< 1
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 2	< 2	< 100	< 1	< 1	< 1	< 0.1	< 1	< 1	< 1	< 1
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 2	< 2	< 100	< 1	< 1	< 1	< 0.1	< 1	< 1	< 1	< 1
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 2	< 2	< 100	< 1	< 1	< 1	< 0.1	< 1	< 1	< 1	< 1
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 2	< 2	< 100	< 1	< 1	< 1	< 0.1	< 1	< 1	< 1	< 1

Sydney Lake AMAG Survey - Total costs

Costs associated with 2022 Geochemical Survey assessment on Confederation Belt

Direct Costs

Inv #	Inv ref	Inv Amt	Pro rata	Applicable cost	Inv date	Inv company	Category (Cost type)	Details
1	22INV2117	$ 35,764.14	98%	$ 35,031.23	12-Jul-22	Fladgate Exploration Consulting Corporation	Contractor	Third-party contractor responsible for the completion of the soil sampling program. Back out flight for employee (Nathan Perkins - $529.38) not applicable to project timeline, and prorate flight for employee with time invoiced on two projects (Kriss Luchka - $576*11 days on project/17 days worked total)
.								
.			Total	$ 35,031.23				
Associated Costs								
1		14462 $ 23,566.90	100%	$ 23,566.90	29-Aug-22	Activation Laboratories LTD.	Assays	281 samples tested utilizing SGH methodology and 220 samples tested utilizing enzyme selective extraction
2		030 $ 5,750.00	90%	$ 5,175.00	24-Jan-23	Geological Consultant	Report/Map	Norman Aime - 9 days @ $575 per day = $5750 drafting assessment report as allocated by management
3	N/A	$ 500.00	100%	$ 500.00	N/A	Staff Geologist	Report/Map	Samuel Lewis - 1 day reviewing and finalizing report
			Total	$ 29,241.90				
			Total cost	**$ 64,273.13**				

Pro Rata Calculations

Distribution of Costs associated with 2022 Soil Sampling Program on Confederation Belt Proper

Total Samples **286.00**

Total costs $ **64,273**

Pro-rated total: $64,273

* Pro rata factor calculated as proportion of samples on each claim of the total samples taken

Claims surveyed	Property	Samples	Pro rata factor	Pro rata cost for sampling	Rounded for entry
101527	Confederation Belt	15	5.24%	3,370.96	3,371.00
101528	Confederation Belt	20	6.99%	4,494.62	4,495.00
116071	Confederation Belt	25	8.74%	5,618.27	5,618.00
116854	Confederation Belt	15	5.24%	3,370.96	3,371.00
129592	Confederation Belt	22	7.69%	4,944.08	4,944.00
129593	Confederation Belt	9	3.15%	2,022.58	2,023.00
158866	Confederation Belt	3	1.05%	674.19	674.00
160811	Confederation Belt	8	2.80%	1,797.85	1,798.00
166079	Confederation Belt	0	0.00%	-	-
166306	Confederation Belt	20	6.99%	4,494.62	4,495.00
177690	Confederation Belt	5	1.75%	1,123.65	1,124.00
177691	Confederation Belt	21	7.34%	4,719.35	4,719.00
177692	Confederation Belt	21	7.34%	4,719.35	4,719.00
204153	Confederation Belt	2	0.70%	449.46	449.00
212778	Confederation Belt	22	7.69%	4,944.08	4,944.00
234693	Confederation Belt	3	1.05%	674.19	674.00
260216	Confederation Belt	19	6.64%	4,269.88	4,270.00
262199	Confederation Belt	8	2.80%	1,797.85	1,798.00
280287	Confederation Belt	15	5.24%	3,370.96	3,371.00
283468	Confederation Belt	1	0.35%	224.73	225.00
297599	Confederation Belt	10	3.50%	2,247.31	2,247.00
297600	Confederation Belt	20	6.99%	4,494.62	4,495.00
300675	Confederation Belt	2	0.70%	449.46	449.00