ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: GEOPHYSICAL AND GEOCHEMICAL ASSESSMENT REPORT ON THE SADIM – SHAMROCK PROPERTY

BC Geological Survey
Assessment Report
40094

TOTAL COST: $ 217,928.19
AUTHOR(S): Leopold J. Lindinger, P.Geo.
SIGNATURE(S): *Leopold J. Lindinger.*

STATEMENT OF WORK EVENT NUMBER(S)/DATE (S): 5760263/October 23, 2019

YEAR OF WORK: **2020-2021 event no 5863894**
PROPERTY NAME: **SADIM**
CLAIM NAME(S) SADIM 1067868, SHAMROCK 1071815, SHAMROCK 2 1071817, GOLDEN 1067868

COMMODITIES SOUGHT: **GOLD, SILVER, COPPER**

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: **092HNE095, 092HNE049, 092HNE054, 092HNE092, 092HNE241, 092HNE106, 092HNE119, 092HNE242, 092HNE156, 092HNE113, 092HNE159, 092HNE229, 092HNE230.**

MINING DIVISION: SIMILKAMEEN

NTS / BCGS: NTS 092H09W, BCGS 092H068 and 078
LATITUDE:49°42’57" LONGITUDE: 120°31’01" (at centre of work)
UTM Zone: 10U EASTING: 679000 E, NORTHING: 5510000

OWNER(S): **RICHARD J. BILLINGSLEY**

MAILING ADDRESS: **11114 147A ST. SURREY, BC, CANADA, V3R 3W2**

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. *Late Triassic aged Nicola Group volcanics and sediments are intruded and altered by interpretably coeval and Jurassic dioritic to granodioritic intrusives that host stockwork and disseminated pyritic with minor chalcopyrite or molybdenum mineralization in possible porphyry cupola environments. Cretaceous aged tectonic intrusive and volcanic activity is interpreted to be responsible for mesothermal northwest striking east dipping shear associated and 2nd and 3rd order fault hosted gold-silver quartz-carbonate veins systems.*

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 4227, 9407, 14314, 14044, 15007, 15969, 16206, 16889, 23775, 26421, 26944, 35886, 36317, 37347, 37426, 37685.

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOPHYSICAL (line-kilometres)			
Airborne	Drone magnetic	1067868, 1071815, 1071817, 1067869	21,500
GEOCHEMICAL (number of samples analysed for …)			
Soil	760	1067868, 1071815, 1071817	112852
RELATED TECHNICAL Sampling / Assaying		1067868, 1071815, 1071817	91,352
PREPATORY / PHYSICAL		1067868, 1071815, 1071817	
Line/grid (km)			
		TOTAL COST	217928.19

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GEOPHYSICAL AND GEOCHEMICAL ASSESSMENT REPORT

on the

SADIM – SHAMROCK Property

Nicola and Similkameen Mining Divisions

Missezula Lake Area

N.T.S. 092H/10

Work Centered at
Latitude 49^0 42' 57" N Longitude 120^0 31' 01" W
UTM Zone 10U 679000 E 5510000 N

For

Richard J. Billingsley
Owner and Client

11114 147a St. Surrey, BC,
Canada, V3R 3W2

by

Leopold J. Lindinger, P.Geo.

March 28, 2022
AMENDED MARCH, 20, 2023

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SECTION 1 INTRODUCTION AND TERMS OF REFERENCE

This report documents the work and discusses the results of a drone magnetic geophysical and soil gas hydrocarbon, soil bioleach, soil ionic leach, soil mobile metal ion and soil 4 acid digestion geochemical sampling program on the SADIM-SHAMROCK property between October 9, 2020 and September 30, 2021. The areas covered were the SHAMROCK and SADIM – RUM targets. The program as conceived, implemented, conclusions generated , and recommendations made for future exploration expenditures documented in this report are solely those of Leopold J. Lindinger, P.Geo..

The SADIM – SHAMROCK property in its current configuration protects the GOLDEN 2 (Minfile 092HNE049), GOLDEN 1 (Minfile 092HNE054), SHAMROCK (Minfile 092HNE092), SADIM (Minfile 092HNE095), BO (Minfile 092HNE106), EJ (Minfile 092HNE119), NELLIE (MINFILE 092HNE153), MS (Minfile 092HNE156), (Minfile FAN 092HNE113), LAIRD LAKE (Minfile 092HNE159), ANITA 14 (Minfile 092HNE229), ANITA (Minfile 16 092HNE230), GOLDEN 3 (Minfile 092HNE241), MS-4 (Minfile 092HNE242), and MISSEZULA LAKE (Minfile 092HNE254) mineral occurrences.

SECTION 2 PROPERTY LOCATION AND DESCRIPTION

The SADIM Property lies within SW British Columbia, 28 kilometres bearing 355^{O} from Princeton, B.C., within the Similkameen Mining Division (Figure 1). The centre of the property is located within NTS Map Sheet 092H at 49^{0} 42’ 25” N and 120^{0} 31’ 30” W or UTM Grid Zone 10U 678500 E 5508800 N.

The property consists of 7 MTO claims totaling an assessed area of 4409.165 hectares (Figure 2 - 1, Table 2 - 11). Table 2 - 1 presents the detailed claim information. The actual area protected by these tenures is approximately 4000 hectares. The claims are currently 100% owned by Richard J. Billingsley (FMC 1395758). No legal surveys related to mining have been completed on the property.

The SADIM property is not subject to any known environmental liabilities. The surface rights are owned by the Crown except for some lots in the Summers Creek valley. There are several timber and grazing leases on the area covered by the property. Several First Nations claim undersurface rights to the property.

There are no known mineral resources, mineral reserves or mine workings on the property.

The work program discussed in this report has been filed with the Ministry of Energy, Mines and Petroleum Resources under Statement of Work Event number 5863894 dated December 24, 2021.

Title Number	Claim Name	Owner	Issue Date	Good To Date*	Status	Area (ha)
1067866	Fan	R. J. BILLINGSLEY (100%)	2019/APR/12	2026/JUL/10	GOOD	1087.675
1067867	Anita	R. J. BILLINGSLEY (100%)	2019/APR/12	2026/JUL/10	GOOD	418.003
1067868	SADIM	R. J. BILLINGSLEY (100%)	2019/APR/12	2026/JUL/10	GOOD	751.889
1067869	GOLDEN	R. J. BILLINGSLEY (100%)	2019/APR/12	2026/JUL/10	GOOD	1462.588
1070581	GOLDEN 1 092H.078	R. J. BILLINGSLEY (100%)	2019/AUG/23	2026/JUL/10	GOOD	250.651
1071815	SHAMROCK	R. J. BILLINGSLEY (100%)	2019/OCT/16	2026/JUL/10	GOOD	104.376
1071817	SHAMROCK 2	R. J. BILLINGSLEY (100%)	2019/OCT/16	2026/JUL/10	GOOD	333.981
					TOTAL AREA	**4409.163**

TABLE 2–1: SADIM – SHAMROCK Mineral Claims

* upon acceptance for assessment credit of the work documented in this report under Statement of Work Event number 5863894.

SECTION 3 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

Numerous logging roads in various states of accessibility surround and cross through the property. Access to the east side is via the Jura Resource Road to kilometre 14 and numerous active and dormant logging and exploration roads originating westerly from it. The Jura RR originates south from Princeton and extends north to a quadruple junction that accesses provincial highways west, north and east. Access to the property's west side is from the north via the Dillard-Ketchan-Shrimkin logging road system.

Basic accommodation, food, and fuel are available in both Princeton and Merritt. There are several guest ranches that can provide closer accommodation. The City of Merritt, located about 60 road kilometres is the main centre of service and supply for the region. Logging is the primary resource activity in the region with mining a close second. Ranching and tourism are also important economic activities. Numerous equipment contractors are available on relatively short notice.

A high tension power line strikes through the property. This line provide power in addition to the Princeton area the Copper Mountain Mining Corporation mine 20 km south of Princeton. Timber, gravel and industrial stone deposits are available for mine development. Sufficient water and room for potential waste disposal, tailings storage, and processing plant sites all exist in the general project area.

The climate is subcontinental. Snowfall can exceed 1.5 metres at higher elevations, and rain showers are common in the summer and fall. Annual wet precipitation averages 70 cm. Temperatures range from –25ºC in winter to +30ºC in summer. Most surface mineral exploration can be conducted between mid May and mid October. Geophysical exploration, drilling and mining can take place year round.

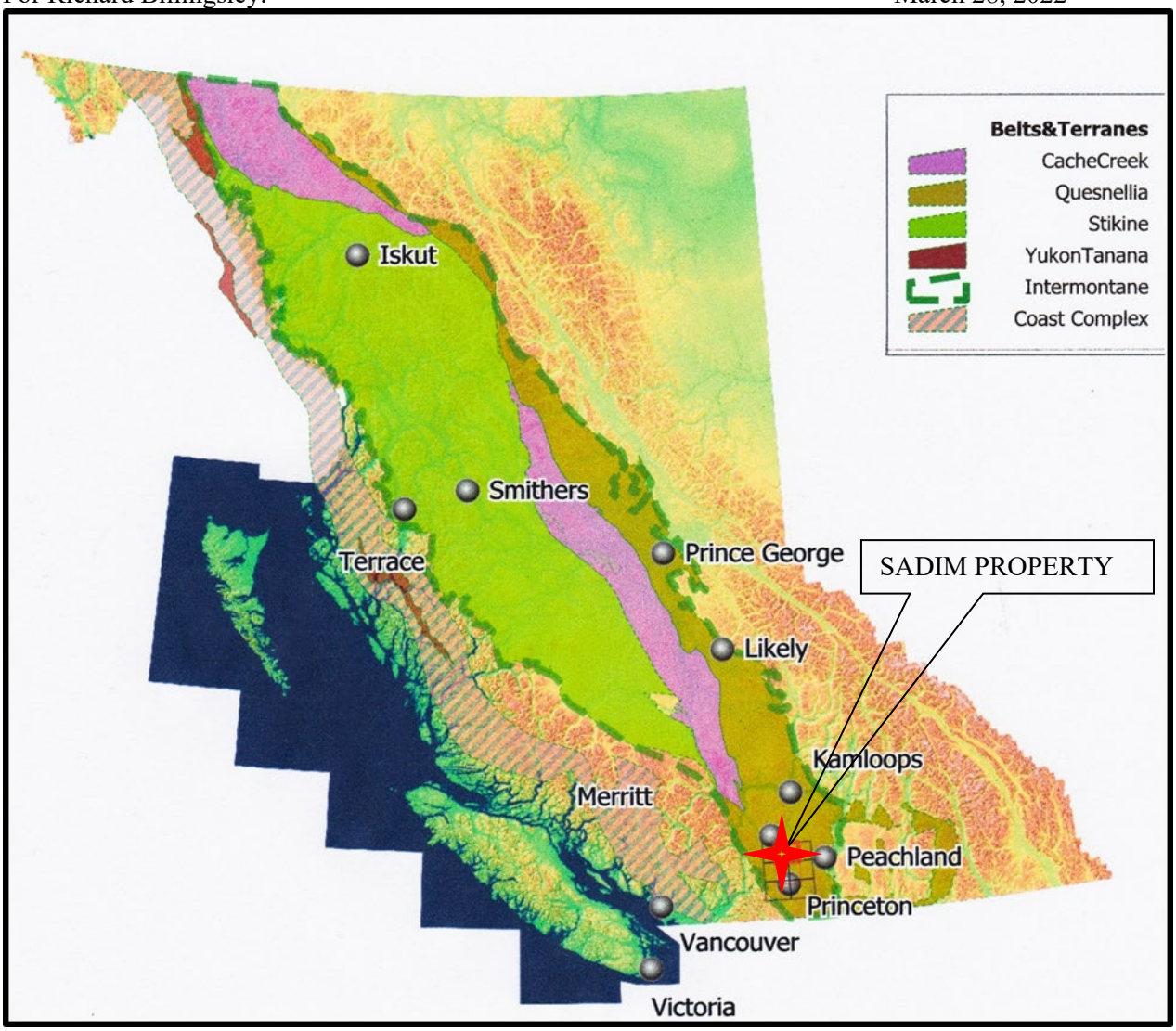
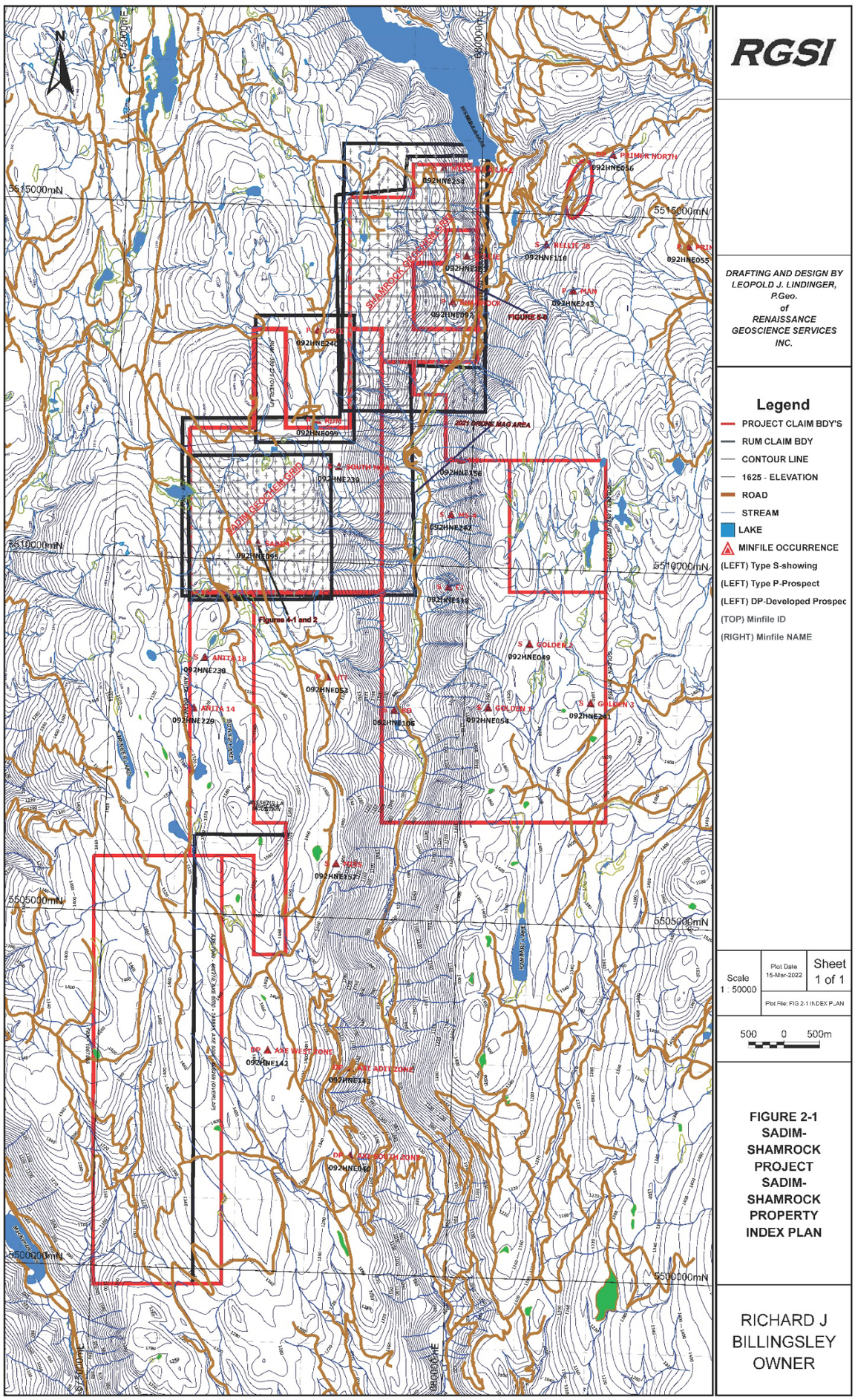


FIGURE 1–1: PROPERTY LOCATION MAP


RGSI
DRAFTING AND DESIGN BY LEOPOLD J. LINDINGER, P.Geo. of RENAISSANCE GEOSCIENCE SERVICES INC.
Legend
PROJECT CLAIM BDY'S
RUM CLAIM BDY
CONTOUR LINE
1625 - ELEVATION
ROAD
STREAM
LAKE
MINFILE OCCURRENCE
(LEFT) Type S-showing
(LEFT) Type P-Prospect
(LEFT) DP-Developed Prospec
(TOP) Minfile ID
(RIGHT) Minfile NAME
Scale 1 : 50000
Plot Date 15-Mar-2022
Sheet 1 of 1
Plot File: FIG 2-1 INDEX PLAN
500 0 500m
FIGURE 2-1
SADIM-SHAMROCK PROJECT
SADIM-SHAMROCK PROPERTY
INDEX PLAN
RICHARD J BILLINGSLEY
OWNER
5515000mN
5510000mN
5505000mN
5500000mN
675000mE
680000mE
685000mE
690000mE
2021 DRONE MAG AREA
SHAMROCK OCCURRENCE AREA
SADIM-MECHELFORD
Figure 4-1 and 2
FIGURE 2-2
092HNE056
092HNE110
092HNE055
092HNE243
092HNE094
092HNE240
092HNE099
092HNE239
092HNE158
092HNE242
092HNE098
092HNE138
092HNE049
092HNE238
092HNE053
092HNE229
092HNE106
092HNE054
092HNE261
092HNE057
092HNE142
092HNE143
092HNE060

SECTION 4 HISTORY

The area has an extensive and ongoing exploration and mining history since the discovery and development of the Copper Mountain copper-gold-silver deposits near Princeton in the late 1800's. Subsequent exploration has resulted in the discovery of over 25 significant copper prospects within 50 kilometres of the SADIM - SHAMROCK property. In the area many millions of exploration and development dollars are spent every year. Recent exploration has also been directed towards high grade gold vein systems associated with the Spence's bridge rocks of which the SADIM prospect can be considered a probable example. And recently, the discovery of deep high grade copper mineralization adjacent to the property's SHAMROCK target by Kodiak Copper Corp. has provided exploration incentive for exploration of the dominant alkalic copper deposit type. Dozens of junior and many senior exploration and mining companies have explored and continue to explore the area.

The earliest exploratory work in the local area dates back to the 1920's and appeared to focus primarily on volcanic hosted red bed copper mineralization occurring in several small showings within and around the current property boundaries. High grade shear hosted copper mineralization on the Axe prospect south of the Property was also targeted and explored (Preto, 1979).

The following description of the current property's history is partitioned into separate sections based on key Minfile occurrences and/or target areas within and adjacent to the current claim situation at the time of the statement of work filing this report documents.

Sadim

The SADIM prospect (Minfile No 092HNE095) is currently the most important gold-silver target of the current mineral property. It occurs in the north central part of the current property.

In 1985, I.M. Watson supervised field crews while completing follow-up examinations of gold-silver in soil anomalies completed earlier that year discovered gold bearing veins south of the Rum and Coke prospects and discovered the SADIM mineral occurrence. The discovery was aided by completion of a new main line logging road immediately west of the discovery. Watson subsequently transferred the claims to Laramide Resources. Between 1985 and 1987, Laramide conducted a major exploration program at SADIM with soil and rock sampling, VLF electromagnetic survey, 42 m of trenching, and 15 diamond drill holes. Laramide's three year exploration program determined that the gold bearing zones were bounded over an eastward dipping shear zone (Watson, 1988).

Between 1994 and 1995, Harlow Ventures optioned the Sadim claims and conducted another major exploration program consisting of additional ground magnetic and VLF electromagnetic surveys to the north and south of the Laramide surveys, excavated three additional trenches, and drilled 12 diamond drill holes (729 m).

In 2000, Toby Ventures purchased the Sadim Claims from Harlow Ventures. In 2002, Toby Ventures drilled 9 diamond drill holes (862.3 m) targeting the Sadim gold-quartz area. In 2005, Chris Dyakowski purchased the Sadim claims (Ostler, 2002).

In 2009, the Sadim would become part of the Allison Lake Property optioned under Orofino Minerals. In 2010, Orofino conducted a detailed exploration program, the Allison Grid, on the Sadim, Rum and Coke areas.

In early 2014, Colorado Resources purchased the Sadim claims from Chris Dyakowski and incorporated the claims into Colorado's Hit-Aspen Grove Property. Exploration efforts including IP chargeability and resistivity indicated that the SADIM target occupies the western edge of a coincident east dipping geophysical feature that at depth has not been tested. See Figure 4 -4 below.

In late 2018 Colorado returned the Sadim and other parts of the Hit-Aspen Grove Property to Richard J. Billingsley. They as of this report still retain the RUM-COKE and HIT-MISS properties.

During 2019 Billingsley funded a small exploration program on the Sadim target area. The program was designed by the writer. He completed 2 roughly east west traverses on October 9 and 10 and took widely spaced Douglas fir bark and soil samples. He also took a few rock samples. He noted widespread alteration east of the Sadim target the in his estimation was not drilled deep enough to test. This opinion is supported by the evidence provided in Figure 4-4 which indicates an east dipping resistivity low east of the easternmost hole 02-08 and a possible second? east dipping thrust fault further east of that easting.

October 10 was directed to taking widely spaced ~ 80-140 metres soil and Douglas Fir bark samples with outcrop mapping along an 800 metre WSW traverse some 500 metres south of the SADIM prospect.

Due to the extensive pine bark beetle infested tree harvesting the author decided to use Douglas fir bark as a sample medium. The author chose large trees at least 80 cm and preferable over 1.2 metre thick at chest height. The spacing between trees and associated soil samples ranged from 80 to 130 metres.

Soil samples were taken at sites within 8 metres of a Douglas fir bark sample site (except for site For conventional multielement analyses plus gold samples were taken from the BF horizon between 10 and 20 cm depth. The samples were hand filtered to remove large pebbles and rootlets prior to placing in pre labelled kraft paper bags. The samples chosen for ionic leach analyses were taken from BF mineral soil horizon directly below the organic layer as recommended by ALS guidelines. The average thickness of the sample profile was 5 to 6 cm. The samples were hand filtered to remove large pebbles and rootlets prior to placing in pre labelled plastic Ziploc bags.

The soil sample for conventional 4 acid digestion was a prelabelled kraft paper bag. The sample chosen for Ionic-enzyme leach was placed in a sealed Ziploc prelabelled baggie.

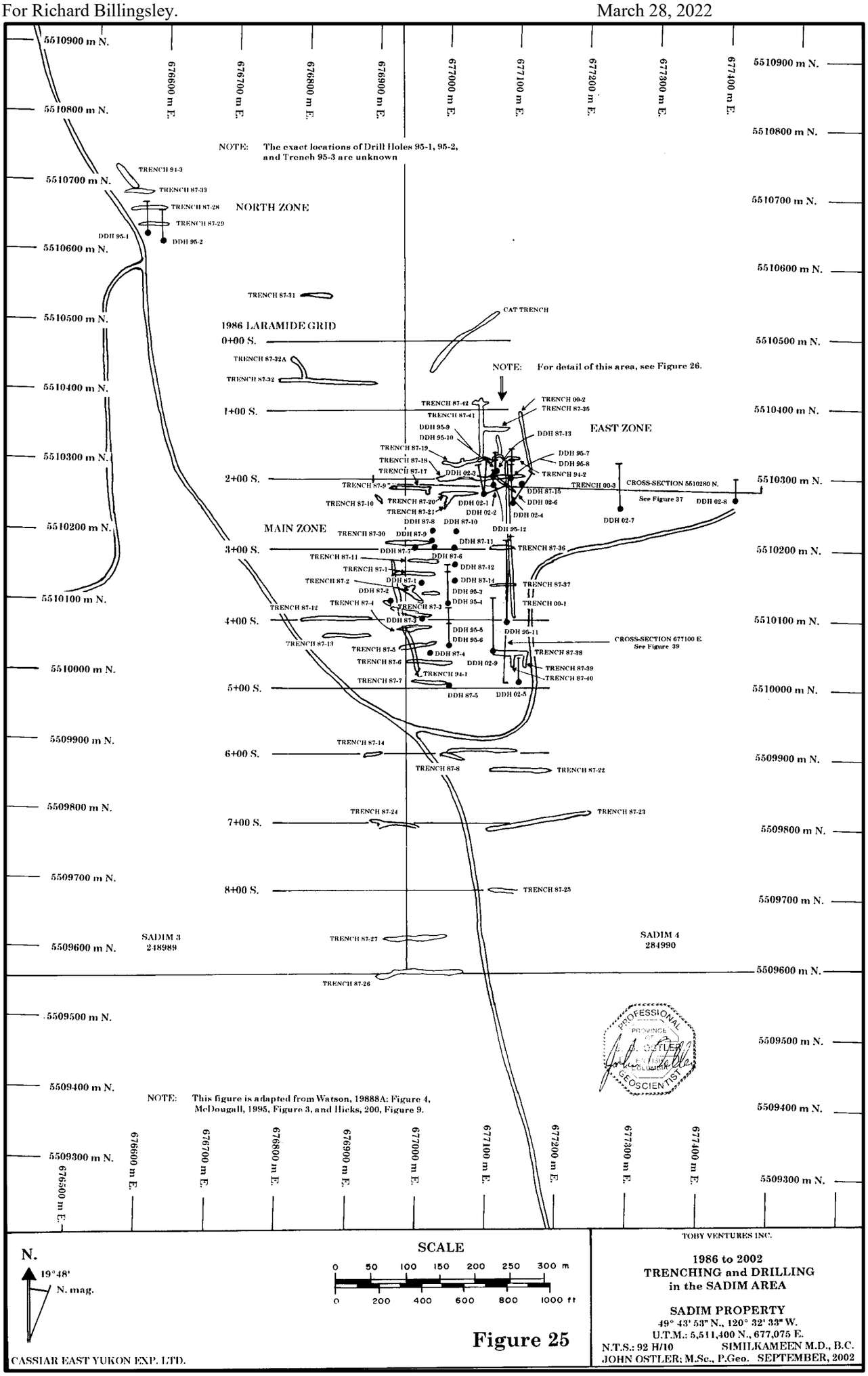


FIGURE 4-1: SADIM TARGET EXPLORATION SUMMARY
Source, Ostler 2002

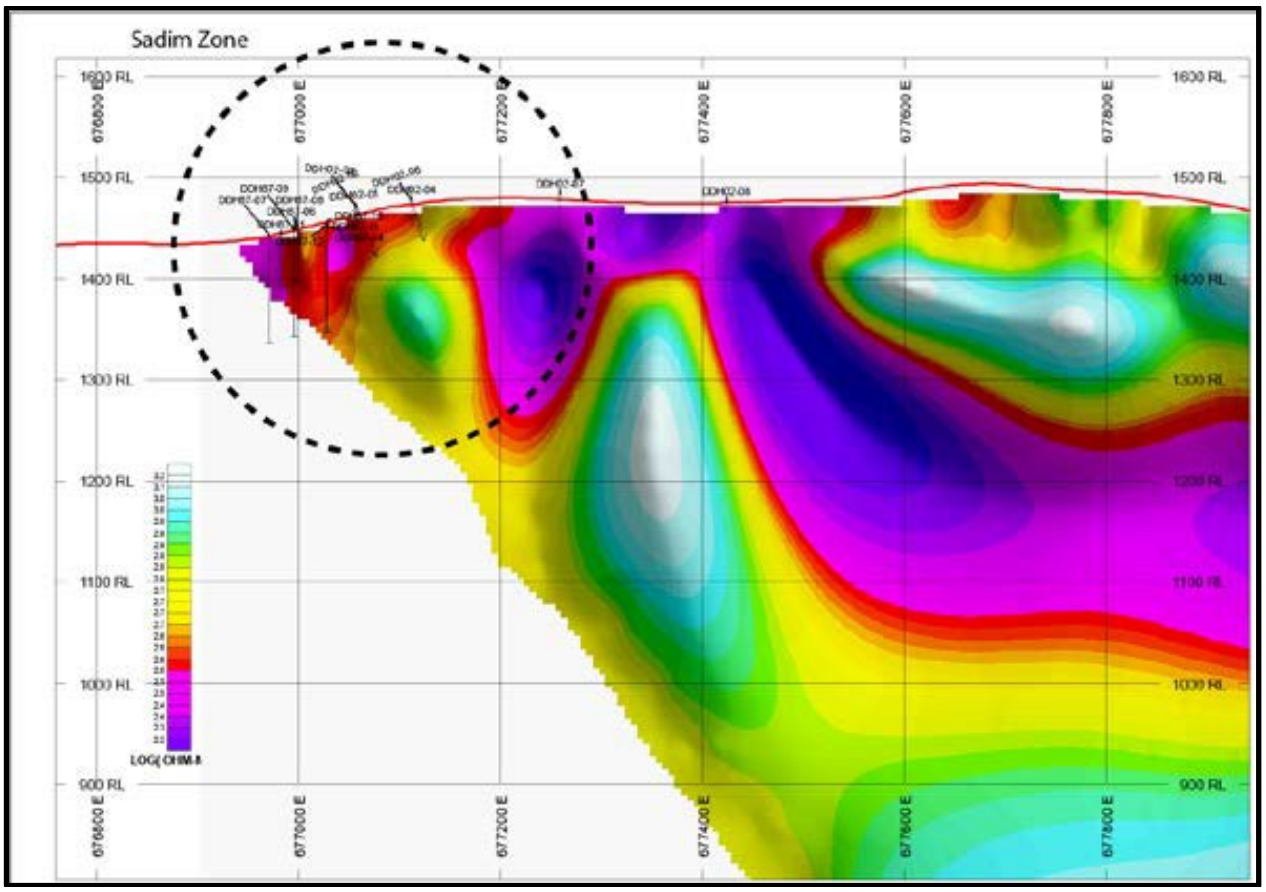


FIGURE 4-2: SADIM ZONE - LINE 10200N - MODELLED DC RESISTIVITY SECTION WITH HISTORIC DRILLING – Source Walcott 2018

The samples for bark ashing was placed in a prelabelled 20 by 35 cm perforated Hubco bag. The samples chosen for "enzyme leach" analyses were placed in a similar bag then into a clear sealable Ziploc bag.

The samples with analytical advice forms were transported by the author to the ALS sample preparation facility in Kamloops B.C.

Due to the prospective nature, limited sample set (and in the case of the bark samples lack of suitable standards) of this program no blanks or standards were used. The samples were shipped to ALS Minerals Ltd. by the writer to their sample prep facility in Kamloops, B.C. for analyses in Vancouver.

The 50 gram vegetation (bark) sub-samples chosen for ash preparation were ashed at "*475°C for 24 hours. Pre- and post-ashing weights are reported*." A 0.25 subsample of the ashed material was digested using their "*ME-VEG41a™ ashed*" procedure producing a 41 element result including gold.

The 5 gram milled bark subsample was then digested in a proprietary "*Ionic Leach™"* procedure. "*Ionic Leach TM is designed to enhance the most subtle labile geochemical anomalies for a wide range of commodities. It is a static sodium cyanide leach using the chelating agents ammonium chloride, citric acid and EDTA with the leachant buffered at an alkaline pH of 8.5* A 1 gram subsample of the leachate was analyzed using ALS's "*ME-VEG41™"* procedure producing a 41 element result including gold.

Aqua regia soil samples results. The multielement aqua regia results did not produce any precious or base metal anomalies except for elevated copper, lead, zinc were from sites on or near a north trending structure east of the SADIM target. These results were also used as the baseline from which to compare the additional sample medium and analytical procedure results. Molybdenum results also presented relatively elevated results one sample site several hundred meters west of the first site. The average iron copper ratio was ~800, iron-lead ratio was 4400 and iron-zinc was 350.

The Douglas fir bark ashing resulted in elemental concentrations surprisingly ranging from 71 to 213. The ashed results also had higher base metal/iron ratio's than both types of soil analytical results. The results had to be factored with the ash weight ratio to determine any actual anomalies. When done the results compared to the soil samples did not provide any additional comparative clarification. A tentative conclusion (based on this limited dataset) is that there is a weak lead anomaly at a sample site which partially overlies the southern extension of the SADIM zone.

Additional comparative observations are that for copper and zinc soil and bark produced opposite trends for arsenic, lead and rare earth elements relatively complimentary trends especially for the soil ionic leach and both bark analytical procedures. Iron produced the largest analytical results ranges in the soil ionic leach and bark ash results. Arsenic produced the strongest results with relative anomalies in both bark analytical methods except that the highest results in the ionic leach results were displaced by one sample on both days resulting in a westward 'drift'.

SHAMROCK

The Shamrock showing outcrops along the steep west bank of the Summers Creek valley, about 2 kilometres south-southwest of the south end of Missezula Lake.

The SHAMROCK showing was first explored in 1929, with the excavation of several trenches and a short adit. A small shipment of material mined that year averaged 5.78 per cent copper (Minister of Mines Annual Report 1929, page 278). Consolidated Woodgreen Mines Ltd. completed additional trenching and drilled at least three holes in 1963. In 1969 Delkirk Mining Ltd, completed geological mapping , trench mapping and soil sampling on the ESTHER claims. The claims expired and were staked by individuals from Princeton in 1971 and sold to Belcarra Explorations Ltd. 1972 Rio Tinto Canadian Exploration Ltd financed a Belcarra managed exploration program of ground magnetometer and IP geophysics. The shamrock area did not produce any significant anomalies compared to the co-explored Primer area to the northeast. The deposit was sampled for precious metals by Vanco Explorations Ltd. in 1985.

Reportedly the Shamrock showing is hosted in massive to crudely bedded lahar deposits and volcanic conglomerate of the Upper Triassic Nicola Group (Eastern belt, Bulletin 69). The beds strike north and dip 40 to 60 degrees west. Previous mapping has also described the lahars as being at least in part andesitic flow breccias.

The volcanics are cut by a zone of narrow shears and fractures striking 020 to 025 degrees and dipping 70 degrees northwest. The zone trends 015 degrees for 37 metres and is 3 to 6 metres wide over most of its length. The shears are displaced by two post mineral faults striking 075 and 150 degrees and dipping 80 to 90 degrees north and 80 degrees northeast respectively.

Mineralization consists of massive veinlets and disseminations of chalcocite and a few grains of chalcopyrite and pyrite developed along the shears and fractures. Native copper is also reported. The sulphides are accompanied by malachite and azurite. Three chip samples, taken across widths of 4.3 to 4.9 metres and spaced evenly over a strike length of 17 metres, averaged 2.40 per cent copper (Assessment Report 3955, page 2). A composite sample of the three chip samples assayed 4.8 grams per tonne silver and 0.10 gram per tonne gold (Assessment Report 3955, page 11). Sampling over a length of 30 metres and an average width of 5.2 metres yielded 1.42 per cent copper (National Mineral Inventory).

A trench 137 metres southwest of the shear zone exposes minor disseminated chalcocite over a length of 60 metres. This mineralization may be related to a diorite dike. A series of grab samples from the trench averaged 0.23 per cent copper (Assessment Report 3955, page 11). Other northeast and northwest striking shears mineralized with chalcopyrite, chalcocite and pyrite occur north and south of the main zone of shearing over a distance of 600 metres. The shears appear to be confined to the same stratigraphic horizon.

GOLDEN

In 1972, Vargas Mines Limited staked the EJ claims over the now EJ and Golden mineral occurrences and conducted a ground magnetic survey. Then in 1981 Lornex Mining purchased the Golden claim over the Golden mineral occurrences. Lornex completed a ground magnetometer survey, geologic mapping, and soil grid sampling. The soil sampling detected anomalous copper, silver and gold values (Christopher, 1984, 1985).

The Vale area was not thoroughly explored until the 1990's when Kingsvale Resources staked the Vale claims. In 1991, Kingsvale soil grid and rock sampled the claims. One high anomalous gold soil sample discovered the Vale mineral occurrence (Rowe, 1991). The Vale claims would subsequently be allowed to lapse.

In 2009, the Golden mineral occurrences would become part of the Orofino optioned Allison Lake Property (Allen, 2010).

In late 2011, Colorado Resources purchased the Allison Lake Property and staked the Vale claims as part of Colorado's Hit-Aspen Grove Property. In 2012, Colorado conducted a road cut soil sampling program at the Golden mineral occurrence finding highly anomalous copper results and completed an 18.4 line km geophysical I.P. survey in 2012. In 2015, Colorado completed more

soil sampling at Golden along newly constructed forestry service roads (Travis and Jacobs, 2016). Colorado subsequently allowed the four Vale claims to lapse in 2017.

The writer was contracted by Mr. Billingsley to complete an exploration program on the Sadim property including the north Golden Area some 3 km to the east of the Sadim target. The Golden target was visited on October 11 was a widely ~150 metres spaced soil and Douglas Fir bark samples with outcrop mapping along a 700 metre E-W traverse overlying some previously reported anomalous for copper in soil results (Travis, 2016) and a short distance north of the GOLDEN showings (Figure 11 below). Outcrops or float locations showing evidence of alteration were noted and GPS recorded. Five evenly spaced Douglas Fir tree bark and four soil samples were taken. Douglas Fir was chosen as the only large deep rooted plant available as a sampling medium. The Fir bark was analyzed by ionic leach and am Actlab proprietary ashed analytical procedure. The soil samples were analyzed by regular 4 acid digestion ICP-MS analyses and ionic leach procedures. A total of 6 fir and 5 soil sites were used about 140 metres apart.

The ionic leach soil results for lead, silver and gold produced the highest contrast. Sample S191011-03E has the strongest gold, silver again with lower on average lead and zinc values. A brief review of the ionic leach analysis results reported much stronger on average base metal results compared to iron. The average iron copper ratio was ~116, iron-lead ratio was 590 and iron-zinc was 116 and copper ICP/copper Ionic leach was 61.

There may be a weak correlation with the XRF and soil ionic leach results.

The fir bark ionic leach results produced high contrast results relative to the regular soil aqua regia digestion and bark ash results. The easternmost sample had the highest relative gold, chromium, copper, iron, molybdenum, lead, rubidium, thorium and uranium values. The analytical results produced even more dramatically lower iron to base metal ratios compared to the soils and the ashed bark results. Zinc relative to other elements in this analytical method produced the highest average values for all samples, averaging 12 ppm. The average iron copper ratio was 0.18, iron-lead ratio was 20.7 and iron-zinc was 0.4, and copper ICP/copper Ionic Leach was 1.55.

Additional comparative observations are that for copper and zinc soil and bark produced opposite trends for arsenic, lead and rare earth elements relatively complimentary trends especially for the soil ionic leach and both bark analytical procedures. Iron produced the largest analytical results ranges in the soil ionic leach and bark ash results. Arsenic produced the strongest results with relative anomalies in both bark analytical methods except that the highest results in the ionic leach results were displaced by one sample on both days resulting in an eastward drift.

SECTION 5 GEOLOGICAL SETTING

Regional Geology

THE Sadim-Shamrock property is located within the Intermontane Belt or Super Terrane portion of the western north American Orogen. The lithologies within this Terrane are almost entirely comprised of imbricated and deformed portions of accreted late Paleozoic to mid Mesozoic island arc and oceanic assemblages. In the region surrounding the SADIM property the rock packages include the Harper Ranch and Nicola-Stikine rocks of island arc affinity and the Slide Mountain, and Fennel formations of oceanic affinity. The Slocan Group sediments to the east are north American sourced. Recent interpretations have these rocks overlying ancestral north American basement due to eastward directed compressive activity.

The Harper Ranch, Nicola-Stikine and possibly Fennel Formations have coeval intrusives.

Intruding and overlying the accretionary lithologies are late Mesozoic to Miocene sedimentary and volcanic deposits. These include the Cretaceous Spences Bridge Group, Eocene Kamloops Group, Miocene Chilcotin Group and Quaternary to Recent volcanics.

Pre and post glaciation surficial deposits of variable thickness blanket the region

A wide variety of dominantly epigenetic and less commonly syngenetic hydrothermally related mineral deposits are found within the region. These include pre and post accretionary porphyry copper-molybdenum+/-gold+/-silver+/-zinc, orogenic gold, mesothermal and epithermal gold-silver, porphyry related tungsten, chromite deposits. Pre and post accretionary industrial mineral deposits include limestone, bentonite, diatomaceous earth, post glacial gravel and sand.

Figure 3. Setting of mineralized arc rocks of Quesnel and Stikine terranes within western North America, including probable correlative arc rocks in the western USA . A prolific Late Triassic Cu-Au±Ag mineralizing event, mostly ~205 ±5 Ma (Logan and Mihalynuk, 2014), coincides with a major pulse of alkalic porphyry magmatism during late Stikine and Quesnel arc construction. A and C denote Afton and Copper Mountain alkalic porphyry deposits. Calc-alkalic deposits within the Guichon batholith just northwest of the GM2020-01 map area, are also part of this mineralizing epoch. Despite similarities in the tectonic fabric of the western USA, the alkalic porphyry belt is unknown there.

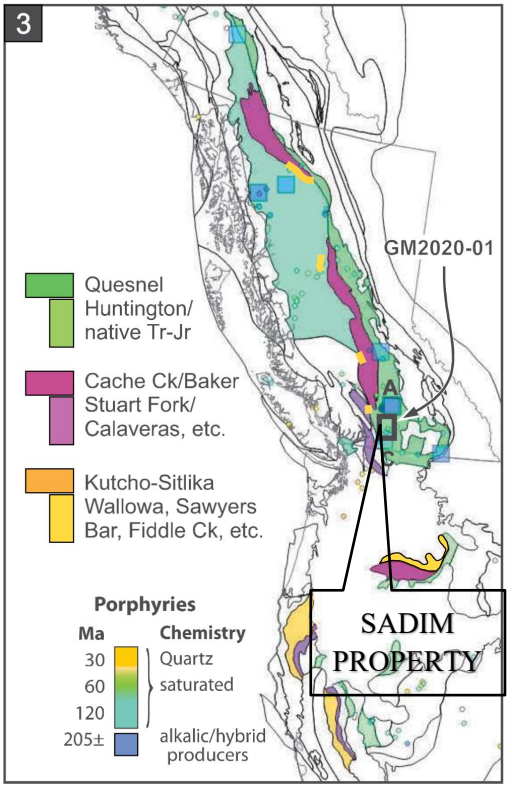


FIGURE 5-1: GEOLOGICAL SETTING OF QUESNEL AND STIKINE TERRANES WITHIN WESTERN NORTH AMERICA Source Mihalynuk and Diakow, 2021

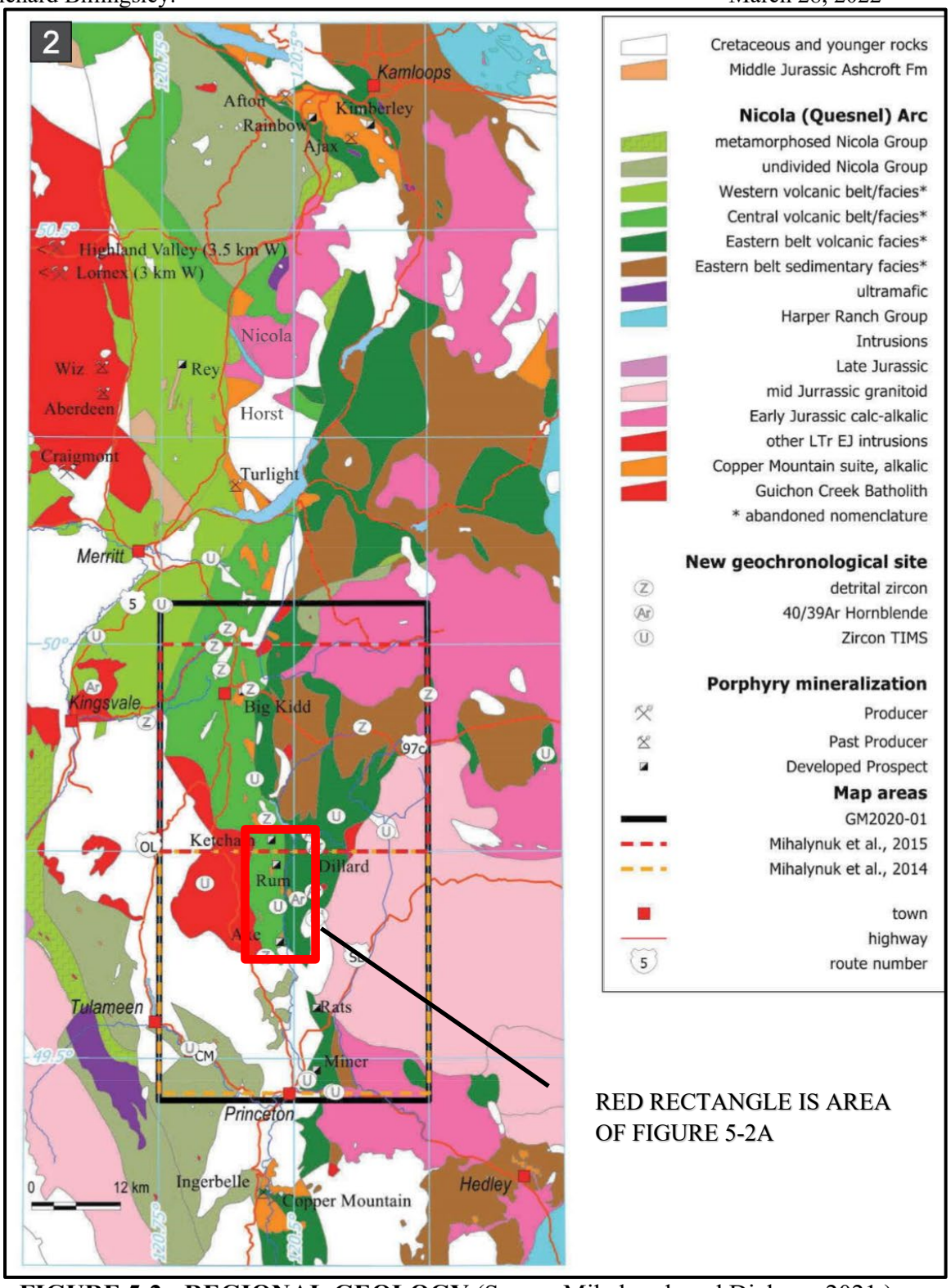


FIGURE 5-2: REGIONAL GEOLOGY (Source Mihalynuk and Diakow, 2021.)

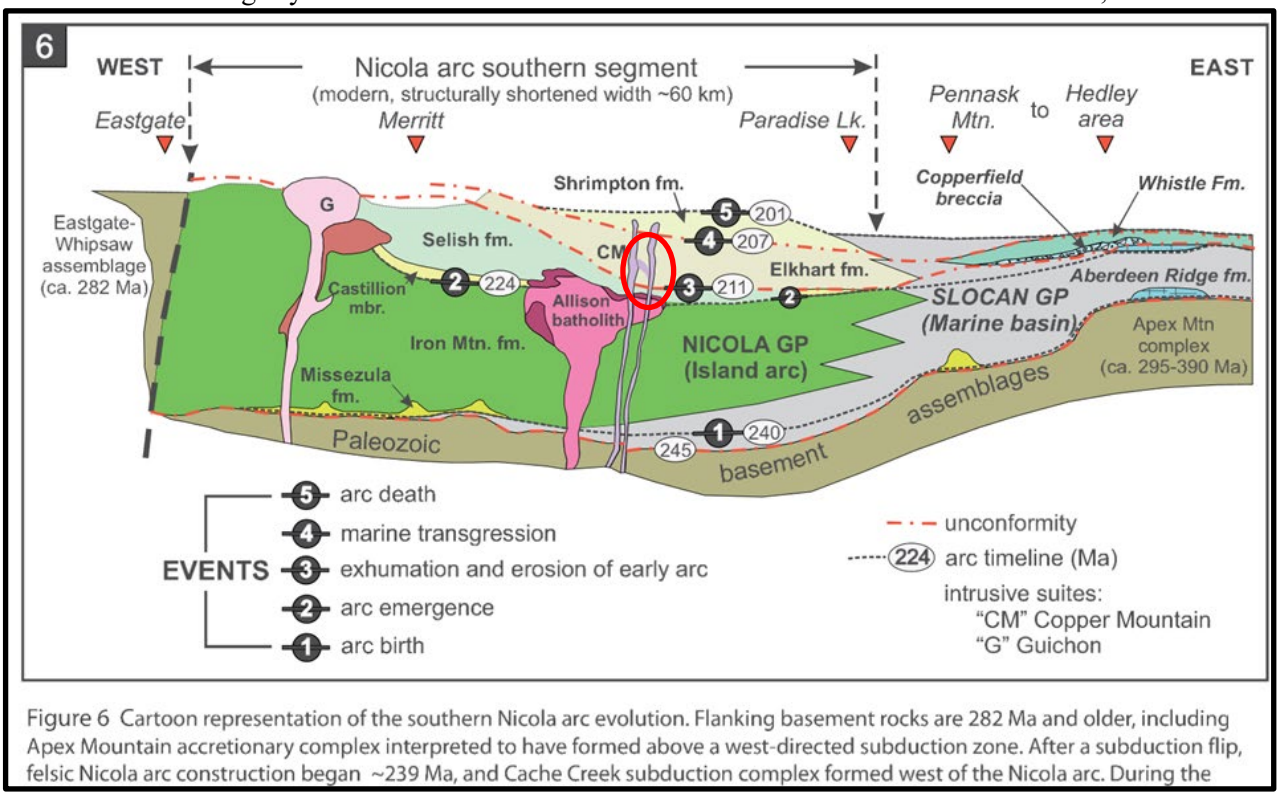


Figure 6 Cartoon representation of the southern Nicola arc evolution. Flanking basement rocks are 282 Ma and older, including Apex Mountain accretionary complex interpreted to have formed above a west-directed subduction zone. After a subduction flip, felsic Nicola arc construction began ~239 Ma, and Cache Creek subduction complex formed west of the Nicola arc. During the

FIGURE 5-3: CARTOON REPRESENTATION OF SOUTHERN NICOLA ARC EVOLUTION (Source Mihalynuk and Diakow, 2021.)

Red oval in above and below figures are prospective target environment for Alkalic porphyry copper deposits of Nicola Arc including SADIM Project adjacent PRIME, AXE, RUM and COKE prospects. SADIM-SHAMROCK property targets include the SHAMROCK , south MDA and GOLDEN targets.

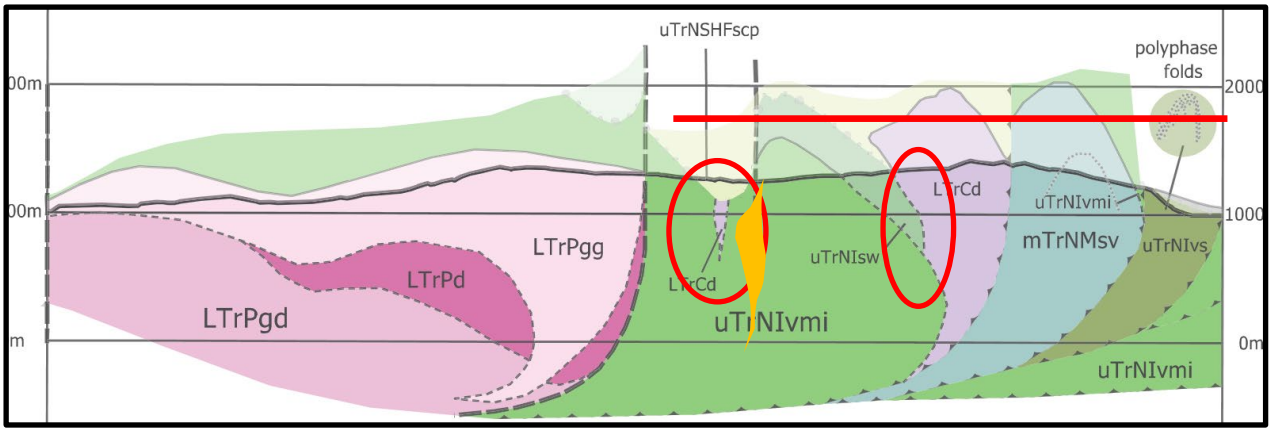
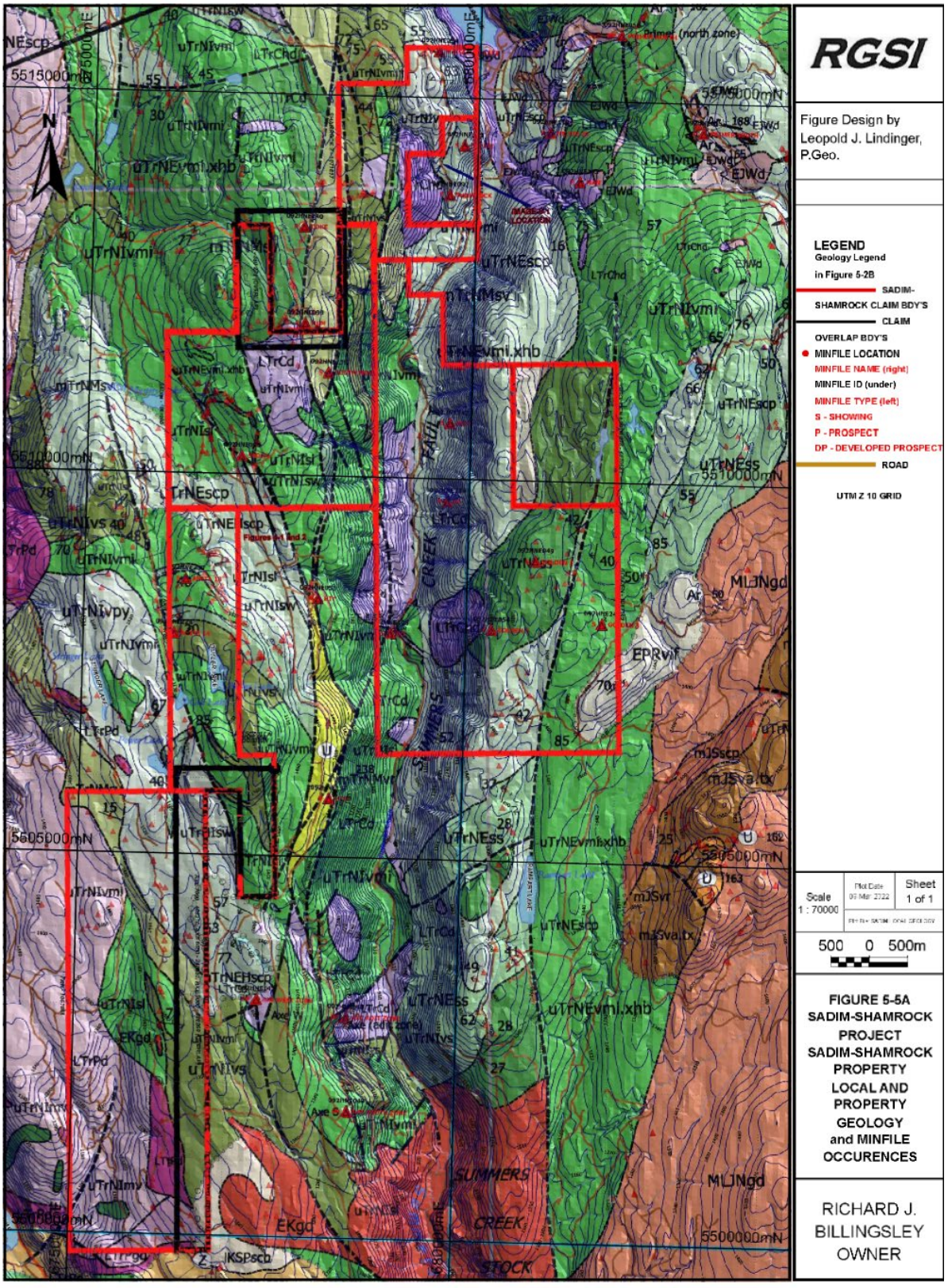


FIGURE 5-4: IDEALIZED CROSS SECTION THROUGH THE NICOLA ARC WEST of the SUMMERS CREEK FAULT (Source Mihalynuk and Diakow, 2021.)

Red line is portion covered by SADIM-SHAMROCK property west of Summers Creek. Yellow shape is reactivated structures hosting Spences Bridge or similar gold-silver deposits in the region (SADIM-HIT)



(Geology Map Source. Mihalynuk and Diakow, 2021

Figure 5-5B1: LAYERED ROCK UNIT LEGEND FOR FIGURE 5-2A

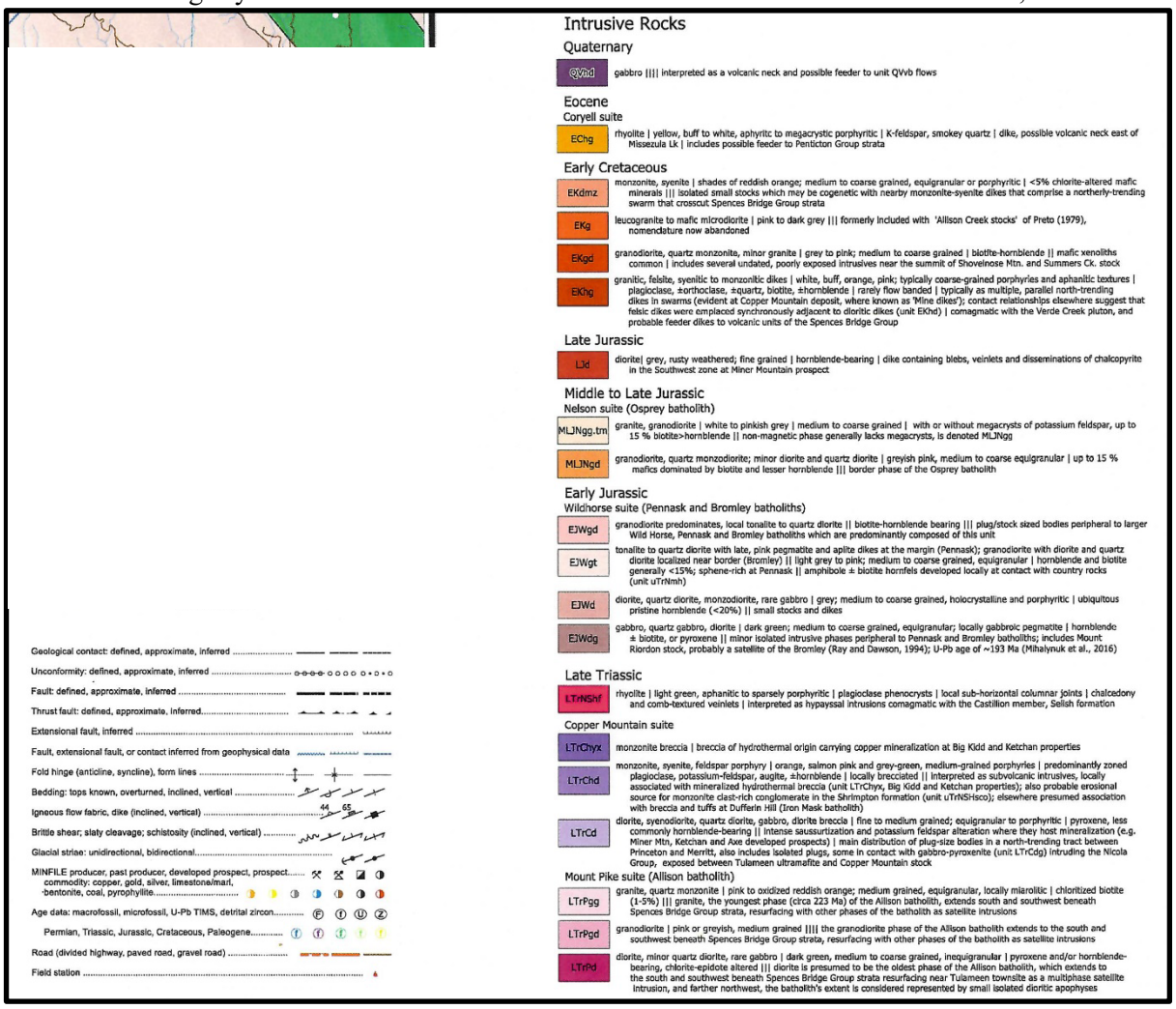


FIGURE 5-5B2: INTRUSIVE ROCK UNIT LEGEND AND SYMBOLS FOR FIGURE 5-5A

Local Geology

The geology of the local area is comprise of late Triassic to early Jurassic allochthonous Nicola Group rocks that host syn and post depositional intrusives (Units uTrNxxx) in Figures 5-5A). These rocks have been structurally imbricated, folded by Jurassic aged compressional activity as the Nicola island arc collided with north America. The latest interpretations as depicted in Figure 5-4 is that the entire Nicola arc has be decoupled from its basement and thrust eastward possibly onto ancestral north American basement. Locally the Nicola rocks are thrust onto the western margin of the Osprey batholith a few kilometres east of the project. Jurassic and later intrusives with coeval volcanic and sediments form more recent manifestations of this orogen. The most recent deposits are unconsolidated pre, syn and post glacial deposits.

The nearest significant metallic mineral occurrences are Nicola Group intermediate calc-alkalic to alkalic intrusives that host porphyry copper-gold-silver mineralization. The AXE and MAN-PRIME-GATE developed prospects occurring to the south and northeast of the SADIM-

SHAMROCK targets respectively are the most significant local deposits of this type. They are currently being explored by Kodiak Copper Inc. Currently lesser deposits include the RUM-COKE prospects that the current property partially surrounds at its north west end. The numerous "red bed copper' showings in the area (ANITA) are either difficult to locate or apparently found to be related to porphyry systems.

Later interpretably Cretaceous to early Tertiary structurally hosted and possibly intrusive associated precious metal veins systems are now a popular exploration target in the region. Examples of these deposits) in the region include several deposits within the Cretaceous Spences Bridge gold belt northwest of the area (Shovelnose discovery). The SADIM, HIT and MISS prospects may be southeasterly examples of this deposit type. The early Tertiary ELK and SIWASH gold deposits east of the area also represent an exploration target in the area. Industrial and non-metallic mineral deposits in the area include limestone, gypsum, opal and fire opal, zeolite, decorative and dimension stone and gravel.

Property Geology

The author has relied on Mihalynuk and Diakow's 2021 South Nicola Map and interpretation for much of the following information. The geology of the SADIM-SHAMROCK property area is comprised of structurally imbricated and folded late Triassic to early Jurassic Nicola Group volcanics, sediments and coeval intrusives (Figure 5-4). These units include from west to east an eastern portion of the Triassic Allison Lake pluton (LTrP) and coeval and later Nicola Group mafic to intermediate volcanics with remnant of coeval sediments including limestone (uTrN). These rocks have been intruded by latest Triassic to early Jurassic dioritic to granodioritic coeval intrusives (LTrC) to (EJW) and (MLJN).

Mineral Occurrences

The property hosts at least 2 temporally separated and differing types of metallic mineralization.

The older are copper-gold showings and prospects spatially and temporally related to upper Triassic alkaline dioritic intrusives thought to be related to Copper Mountain and Iron Mask type intrusive complexes. Most of these on the property are classified as 'redbed copper' but are more likely related to upper levels of porphyry style systems. Some of the Minfile Occurrences on the property are SHAMROCK, MISSEZULLA LAKE, NELLIE, ANITA, GOLDEN, FAN, LAIRD LAKE, GOLDEN 1, GOLDEN 2.

The younger style are gold dominated quartz-carbonate vein systems of mesothermal to deep epithermal style that on the property are not directly attributed to known intrusives but based on their style are probably related to Cretaceous (Spences Bridge) or younger Eocene (Siwash) intrusives. There are no known commercially viable industrial mineral or gravel deposits on the property.

The SADIM prospect currently occurs as a 300 by 150 metre north trending zone of dominantly west striking steeply south dipping white quartz veins that host highly variable quantities of gold

with silver. The zone has been tested by several hundred metres of trenching and over 50 drill holes. The deposit has been tested to a ~150 metre depth.

The following description is excerpted from Yeomans 2018.

…"At the Sadim gold prospect, rocks are cut by a major east-dipping shear zone, possibly a thrust fault, which trends north, and ranges up to 15 m in width. The zone occurs along a dark grey carbonaceous limestone and separates andesitic flows and tuffs to the west from mixed tuffs to the east. The shear has caused intense fracturing and alteration in the adjacent tuffs, especially in the hangingwall. The tuffs are moderately to strongly carbonatized and variably silicified.

A quartz vein stockwork is developed in the hangingwall tuffs, comprised of quartz veins ranging from less than a millimeter to greater than 1 m in width. The quartz veins are erratically mineralized with disseminated sulphides, consisting mostly of pyrite and chalcopyrite, and lesser galena. Petrographic studies also indicate traces of sphalerite and lead and silver tellurides (altaite and hessite). The sulphides commonly occur along vuggy vein margins or in the centre of the veins.

Chip sampling of trenches yielded gold values of 0.050 to 4.35g/t Au over 1 m (Watson, 1987). The precious metals content of the stockwork is directly related to the intensity of quartz veining, fracturing and sulphide content. Galena is strongly associated with higher gold and silver values. Gold to silver ratios are remarkably constant at about 1 to 8 (Watson, 1988). The nature of this mineralization and alteration suggests the deposit is of mesothermal origin (Watson, 1988)."…

The individual veins, although described as a stockwork above are actually generally subparallel east striking and south dipping but highly variable in both strike and dip with similar variations in gold-silver grade. The zone is open to depth and to the east.

SHAMROCK

The Shamrock occurrence (Figure 5-6 below) is a several hundred metres long NNW striking intermittent zone of mineralized intrusive clast breccias bodies in the steep east sloping part of the Summer creek canyon 2 kilometres south of the south end of Missezula Lake. The are mapped as shallowly west dipping breccia bodies but due to probable east dip of the host lithologies may actually be subvertical breccia dykes tapping deeper untested porphyry style mineralization. Regardless the Shamrock is bracketed by 2 dioritic intrusives that outcrop higher to the east and west on each side of the Summers Creek Valley (Figure 5-5A). The easterly one is closely spatially associated with the Prime, Gate and Man zones of Kodiak Copper Corp. However there are also small exposures of early Jurassic intermediate intrusives in the same area.

Samples taken from operators over the past 50 years returned over 5% copper with good silver values.

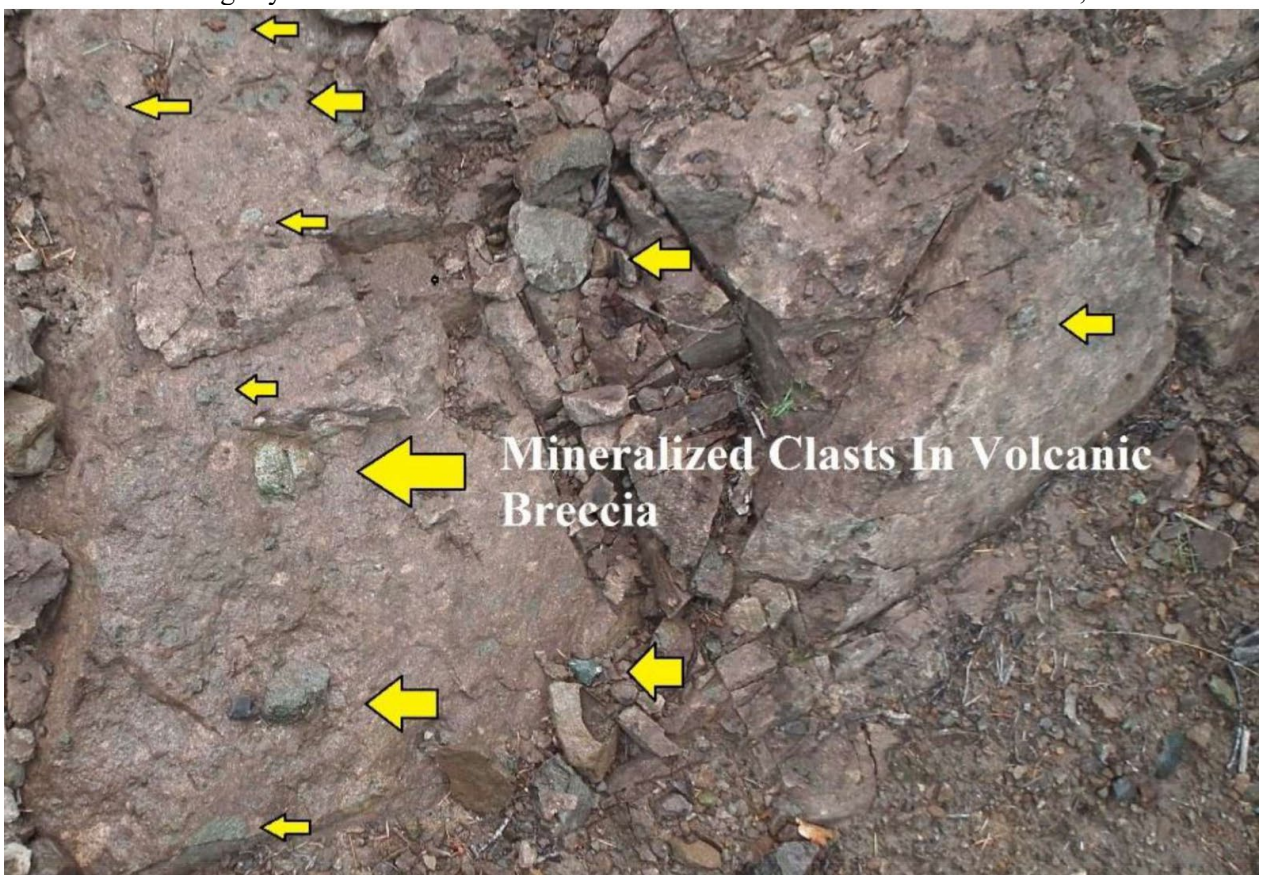


Figure 5-6: Copper Mineralized Intrusive Clast Breccia. Source Delorme 2018.

GOLDEN 1

Although an apparent minor occurrence the writer has chosen to include this area as a significant enough to put into this report. This is due to the following reasons. Relatively extensive hydrothermal alteration, and open ended copper and zinc in soil anomalies and coincident, mineralized rock grading in excess of 1% copper. Geological evidence of a subvolcanic submarine environment with a nearby small monzonitic plug that may be related to the nearby copper mineralization. An extrusive breccia unit with fragments of the monzonite host the most important copper mineralization. The mineralization may be syngentic tapping a deeper porphyry source.

As excerpted from Minfile …"*A gossanous zone trends 160 degrees for up to 340 metres in a section of tuff and tuff breccia with minor lahar deposits and agglomerate of the Upper Triassic Nicola Group. The zone is up to 70 metres wide and gradually narrows to the southeast. Mineralization consists of malachite, bornite, chalcocite and chalcopyrite. Samples taken from the zone have assayed over 1 per cent copper.*"…

SECTION 6 2020 AND 2021 EXPLORATION PROGRAMS

During November of 2020 the author, acting as project manager developed a soil sampling program to cover the SADIM area. It was an extension of the 2019 program where soil and fir bark samples were taken and sent to ALS chemistry for conventional 4 acid and selective ionic-enzyme leaches

of soil and fir bark selective leach analyses. These produced definable anomalies compared to the baseline 4 acid leach ICP-MS soil results.

Due to time and weather constraints the sampling was limited to about 160 sites. The sample locations are presented in Figure 6 - 1 (in Appendix A) in the SADIM target grid as sample ID's yyyyNxxxxxE. The grid was a hand held GPS survey with pre defined 100 m EW and NS spacing using UTM Z10N NAD 83 co-ordinates..

During 2021 the manager retained Geotronics Consulting Ltd. to supply a field crew to extend and partially overlap the 2020 SADIM survey area grid and also to cover the SHAMROCK portion of the property to the NE. The SHAMROCK (North) grid blanketed the entire area between the PMD property of Kodiak to the east and the Coke prospect and Ketchan target to the west. The sampling program was initiated on May 28 through to July 20 and was halted due to manpower shortages and forest fire smoke. The program was recontinued in mid August and ran through mid September. The Shamrock grid sample ID's are presented in Figure 6-2 in Appendix D below.

Geotronics was also retained to complete a drone supported magnetometer survey of the are covered by the sampling and a stretch of intervening ground between the south and north grids. Their report is presented in Appendix C below with total field and first vertical derivative results.

Actlabs bioleach, enzyme ionic and soil gas hydrocarbon extraction leach.

SAMPLING METHOD AND APPROACH

Soil samples

The soil samples from the 2020 program were spaced at 100 metres EW and NS. The soil samples from the 2021 program were spaced at 100 metres along A UTM E-W orientation and 75 metres apart in the UTM NS orientation and offset 50 metres EW to produce a 100 m EW by about 87 m sample location pattern NE and NW.

For the 2020 program 2 samples were taken. The first was a shallow top 5 cm of the BF horizon. The sample was labelled to be analyzed for partial leaches SGH, bioleach and enzyme leach. The second sample was taken from 5 to 15 cm depth of BF and if required C horizon material. This sample was labelled for conventional 4 acid and ionic leach digestions. The samples were hand filtered to remove large pebbles and rootlets prior to placing in pre labelled plastic Ziploc bags.

The 2021 program also had 2 samples taken. The set sampled between 10 and 25 cm was for SGS MMI analyses. The second taken between 0 and 10 cm below the organic BF contact was to be sent to Actlabs for SGH and Bioleach analyses as these produced the 'best results' from the 2020 survey. Occasional additional samples were taken for the SGH analyses for requested Laboratory proofing.

SAMPLE PREPARATION, ANALYSES AND SECURITY

Field Sample preparation

2020

The samples were delivered from the field by the sampling crew to the RGSI provided pickup truck which had a locked canopy box for overnight storage. At the end of the program they were delivered to the writer who delivered them to Actlabs in Kamloops for analyses. The samplers had various suffixes for these "A and B for example. The samples were placed in boxes prelabelled for ionic-enzyme leach and bioleach and the second for SGH and 4 acid digestion analytical procedures. The sampling notes are presented in Appendix E below.

2021

The sample bag label method was SP for Sadim Project. No sample ID separation was made between the SADIM (south grid) and SHAMROCK (north grid) targets. Two samples were taken from each site. Occasional additional samples were taken for the Soil Gas Hydrocarbon analyses for Laboratory proofing. The samplers had various suffixes for these "A and B" for example. The samples were placed in boxes prelabelled for MMI and SGH analytical procedures. The sampling notes are presented in Appendix E below.

The samples were initially stored in locked hotel room in Merritt or at a nearby guest ranch used by the samplers and periodically transported from the field to the secure Renaissance Geoscience Services Inc. facility at 680 Dairy Road, Kamloops, B.C. by the Geotronics employees or were picked up by the Manager himself. The sample advice forms were then filled out and the samples for each analytical procedure with each batch having the appropriate sample advice sheet in one of the boxes for each shipment. The MMI samples were shipped by Overland West Trucking to the SGS Minerals laboratory in Burnaby BC. The SGH-Bioleach samples were transported by the author to the ALS sample preparation facility in Kamloops B.C.

Due to the prospective nature and unusual analytical methods used no blanks or standards were used. The SGH samples had ~5% additional randomly chosen field duplicates taken at the recommendation of Jeff brown of Actlab.

Laboratory Sample Preparation

Samples are catalogued and dried. Soil samples are prepared by sieving through an 80 mesh screen to obtain a minus 80 mesh fraction. Samples unable to produce adequate minus 80 mesh material are screened at a coarser fraction. These samples are flagged with the relevant mesh.

The 2020 'regular' soil samples were analyzed using ALS Minerals "*AuMETL43™25g sample*" procedure. The method is 'OK' for *"target definition where trace level methods by aqua regia digestion and ICP-MS finish are excellent for regolith, where gold anomalies indicating mineralization below surface are well-characterized."*

The samples having the bioleach (2020 and 2021), soil gas hydrocarbon (2020 and 2021) , enzyme leach (2020 only) and ionic leach (2020 only) procedures were prepped and analysed using Actlabs

proprietary methods. The 2021 MMI samples were prepped and analyzed using SGS Laboratories proprietary methods for that procedure.

Soil gas hydrocarbon and Bioleach analyses involved analyzing the traces of decayed remnants of bacteria species that have evolved to utilize gold, copper and other metals as energy or nutritional sources. These remnants over time are transported to the surface, sampled and removed from the sample by weak solutions and analyzed. The MMI samples were prepped and analyzed using SGS Laboratories proprietary methods for that procedure. The procedure uses weak acids that remove metal ions ionically attached to manganese oxides. These solutions are then neutralized and run through an ICP analytical device.

Analyses

The samples analyzed by soil gas hydrocarbon provided copper, gold, and if deemed pertinent by Mr. Jeff Brown redox and sulphide values in parts per trillion (ppt). The samples analyzed by SGS for MMI provided multielement results including gold, all base metals and rare earths in parts per billion (ppb) and major earth elements (Ca, Fe, K, Na, etc.) in parts per million (ppm).

DATA VERIFICATION

As of the date of this report no field data verification steps have been taken.

Upon recommendation by Jeff Brown, Organics Supervisor of Actlabs duplicate sample were taken from almost every line. These were used for SGH quality control purposes in the subjective interpretation of the gold, copper, redox and sulphides results received. No other field data verification steps have been taken other than internal laboratory methods by Actlabs and SGS.

SECTION 7 EXPLORATION RESULTS

Geochemistry

For clarification the results have been separated into the SADIM (south grid) and SHAMROCK (north grid) targets. A total of 160 2020 and 600 2021 sample sites had 4 (2020) and 3 (2021) samples analysed.

SADIM Target

The SADIM target is in the central west part and the SHAMROCK in the far NE part of the property. Figures 6-1 and 2 in Appendix D are soil sample ID plots of the SADIM and SHAMROCK targets respectively.

The following discussion is based on results for only soil gas hydrocarbon (SGH) and MMI results as 4 acid digestion covers about 2/3 of the SADIM target only and bioleach results have only been received for the first 265 samples which are in the SHAMROCK target area.

The SADIM Target generated four gold SGH anomalies (Figure 6-3) of adjacent samples returning over 80 ppt gold. The northernmost is an over 1 kilometre east trending anomaly between 800 and 700 m north of the SADIM prospect. It coincides with a linear topographic depression possibly representing a structure. It also crosses thru a mapped dioritic intrusive (Figure 5-5A). The second begins at the SADIM east zone and extends east for over 800 metres. The third crosses through the southern part of the prospect and extends both east and west beyond the soil coverage. It merges with SGH anomaly two 500 metres east of the SADIM prospect. These anomalies and the inferred redox cell occupy the southern contact area of a dioritic plug (Figure 5-5A). The forth is the weakest and originates 500 metres ESE of the SADIM prospect and extends in a ESE direction beyond the soil coverage and onto the neighboring HIT claim. SHG anomalies 1, 2 and 3 all have samples returning over 100 ppt gold. The MMI results only produced a distinct gold anomaly of greater the 5 ppb gold at the extreme north west corner of the sample grid and is open to the NW of the SADIM prospect.

The MMI gold anomaly is coincident with a strong MMI silver anomaly (Figure 6-4) with the same coverage and also extending off the grid to the NW.

Figure 6-6 is a plot of SGH, MMI and 2020 bioleach and 4 acid digestion copper results. A brief review of the MMI copper results indicates general agreement with the SGH results in clusters of samples. The individual adjacent sample results appear much more variable. Also present are several isolated very high results. Their significance is unknown.

Referring to the SGH report appended to this report in Appendix B there are two anomalies that largely coincide with the northernmost and the area covered by SGH gold anomalies 2 and 3. Jeff Brown also interpreted 2 circular redox signatures one due east of the SADIM prospect and the other at the west end of the coincident northernmost SGH gold and copper anomaly.

A very brief review of the other elements in the analytical procedures tentatively suggests that the gold, copper and to a lesser extent silver generated the strongest contrast for anomalies.

The anomalous patterns can also be distinguished in the drone magnetic plan of the target area (Appendix C). The northernmost as an east west weakening within a NW striking mag hi. And the southern ones within a very also NW striking broad mag low.

SHAMROCK Target.

The gold, silver and copper results for SHG and MMI indicate a much lower overall average value for the entire grid. To generate discernable anomalies the threshold had to be dropped to 40ppt for SGH gold, 4 ppb for MMI gold and for MMI silver 50 to 40 ppb.

The most significant anomaly is in the west central part of the survey area an apical SGH gold and copper anomaly with a possibly encircling MMI silver anomaly overlies and extend beyond a small dioritic intrusive. The SGH gold-copper anomaly and intrusive also coincide with a small local mag hi within a well defined low magnetic response donut and an interpreted SGH Redox feature.

The known copper showing and prospects (Shamrock, Nellie etc. all lie at least 500 metres to the east and down hill and can only be defined by very weak MMI copper with several spike highs in the general area.

SECTION 8 INTERPRETATION AND CONCLUSIONS

The SADIM-SHAMROCK property hosts several alkalic and hybrid copper-gold targets interpreted to be at low erosional levels with possible mineralized deposits at depth. Historical geological surficial expressions of these deposits are on the property manifest as copper mineralized intrusive clast breccia pipes and subaqueous tuffs and alteration patterns and compositions indicative of lithocap environments.

A program of differing partial leach soil sampling has been completed on the SADIM-SHAMROCK property in 2 target areas the SADIM in the west central and the SHAMROCK at the extreme NE end of the property. Also completed was a low level drone magnetometer survey over the same targets and extending east of the SADIM area to the Summers Creek Valley and north to connect to the SHAMROCK area.

Both target areas generated coincident SGH gold, copper and magnetic anomalies that have little surficial indications of buried mineralization.

On the SADIM target a Cretaceous or Tertiary mesothermal to deep epithermal gold vein system is present.

The SADIM area averages higher background values for all elements. At SADIM both SGH gold and copper coincide AS 4 WNW-ESE features that spar to crosscut the local geology and produce higher values away from the actual SADIM zone. Additionally at the extreme NW corner of the grid is a relatively very strong partially defined and open to the NW MMI silver and SGH copper anomaly.

As the SGH gold anomalies have coincident copper anomalies with coincident Redox centers they appear to represent buried alkalic porphyry centers than mesothermal vein system roots.

At SHAMROCK there is at the west central portion a coincident SGH gold-copper, interpreted electrochemical cell, MMI silver and drone magnetometer anomaly that overlies and brackets a mapped small dioritic plug. The known copper mineralization did not produce any distinct copper anomalies.

Full interpretation of this program cannot be completed due to only partial presentation of Bioleach results. Where available these are producing gold silver and copper anomalies similar to both SGH and MMI. Indications to date show that the chosen partial leaches (Actlabs SGH and Bioleach and SGS MMI all work to indicate possible buried mineralization. They along with geophysics provide useful information in exploring for buried mineral deposits.

TABLE 8-1 2020-2021 EXPLORATION EXPENDITURES					
Exploration Work type	**Comment**	**Days**			**Totals**
Personnel (Name)* / Position	**Field Days (list actual days)**	**Days**	**Rate**	**Subtotal***	
Lindinger	2020 Nov 21 and 28, 21-May-27	3	$1,000.00	$3,000.00	
Evan Hall Geologist	2020-nov 20 to 28	8	$500.00	$4,000.00	
Jessica Macdonald Geologist	2020-nov 20 to 28	8	$400.00	$3,200.00	
David Radvan Geologist	2020-nov 20 to 28	8	$300.00	$2,400.00	
				$12,600.00	**$12,600.00**
Office Studies	**List Personnel (note - Office only, do not include field days**				
Literature search	Lindinger	2.0	$1,000.00	$2,000.00	
Database compilation	Lindinger	3.5	$800.00	$2,800.00	
Computer modelling	Lindinger	5.0	$1,500.00	$7,500.00	
Reprocessing of data	Lindinger	1.0	$1,000.00	$1,000.00	
General research	Lindinger	2.0	$1,000.00	$2,000.00	
Report preparation	Lindinger	7.0	$1,000.00	$7,000.00	
Other (specify)			$0.00	$0.00	
				$22,300.00	**$22,300.00**
Airborne Exploration Surveys	**Line Kilometres / Enter total invoiced amount**				
Aeromagnetics	600 km			$20,000.00	
				$20,000.00	**$20,000.00**
Geochemical Surveying	**Number of Samples**	**No.**	**Rate**	**Subtotal**	
BIOLEACH	Bioleach	256	$54.37	$13,917.88	
Soil	soil gas hydrocarbon	683	$64.73	$44,210.59	
Soil	MMI	557	$57.73	$32,157.72	
				$90,286.19	**$90,286.19**
Other Operations	**Clarify**	**No.**	**Rate**	**Subtotal**	
Soil sampling	Geotronics contractor	600	$115.00	$69,000.00	
				$69,000.00	**$69,000.00**
Transportation		**No.**	**Rate**	**Subtotal**	
truck rental	11 days	9	$100.00	$900.00	
kilometers	Kamloops-merritt and return	622	$1.00	$622.00	
				$1,522.00	**$1,522.00**
Accommodation & Food	**Rates per day**				
Hotel	7 days at 180 / day (3 people)	7	$180.00	$1,260.00	
Meals	day rate or actual costs-specify	8	$70.00	$560.00	
				$1,820.00	**$1,820.00**
Equipment Rentals					
Field Gear (Specify)	HAND HELD GPS'S (3)	8	$15.00	$120.00	
Other (Specify)					
				$120.00	**$120.00**
Freight, rock samples					
	Overland West - Kamloops to Vancouver		$0.00	$280.00	
				$280.00	**$280.00**
TOTAL Expenditures				**$217,928.19**	

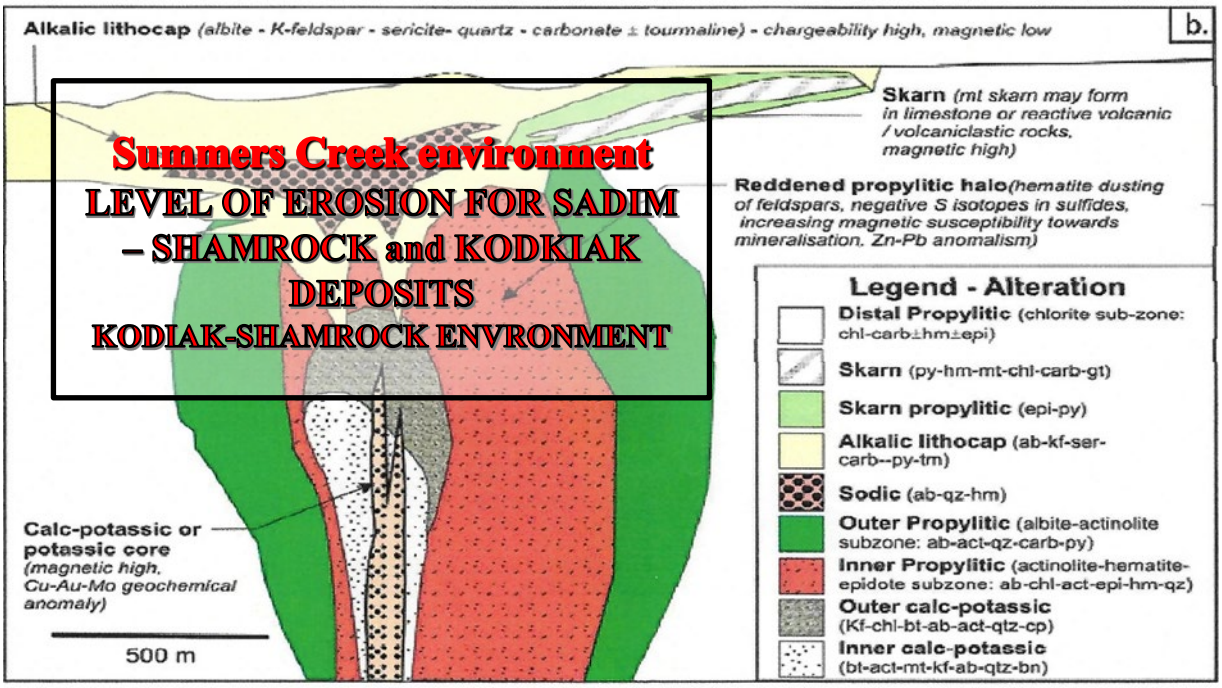


FIGURE 8-1: ALKALIC PORPHYRY MODEL AMD SADIM-SHAMROCK EROSIONAL POSITIONS

SECTION 9 RECOMMENDATIONS

Additional work is recommended on the SADIM – SHAMROCK Project. These preliminary recommendations are presented below.

Currently based on the available data the following recommendation can be made.

At the SADIM target field mapping tracking lithology, alteration and structure with ground truthing of soil sample anomalous sites must be completed. The NW silver-copper+/- gold anomaly is at the western claim boundary but can be extended to the north for about 200 metres.

The geochemical grid should be extended to the east to overlie the MD showing, and to the north to the RUM claim boundary (200 M).

Based on these 2020-21 geochemical and 2021 magnetic and historic IP results (at SADIM) in the authors opinion drill targets have been defined to both the SADIM and SHAMROCK targets. The area between 300 and 700 metres due east of the SADIM gold zone has the most promising geochemical and geophysical indicators of potentially discovery gold-copper mineralization. At the western end of the northern SGH gold, copper and electrochemical cell anomaly is another distinct target that is inferred to occupy the western edge of a dioritic plug. The SHAMROCK target in the authors opinion requires a deep penetrating IP survey over the west central part of the property to determine if and if so better define subsurface metallic concentrations.

Other targets.

The east side of the Summers creek Canyon hosts several showings that are hosted by west dipping subaqueous tuffs and breccias with copper mineralized intrusive fragments and possibly syngenetic accumulations that may overlie and may be distal deposits of buried copper bearing porphyritic intrusives either directly down or to the east. The entire Summers Creek Canyon the underlies the current property requires mapping to track geological (locate indications of volcanic centers), alteration and mineralization patterns as vectors to buried porphyry copper mineralization. Additionally the SADIM soil sampling grid established in 2021 should be extended east and extend to the east side of the Summers creek canyon and north to the SHAMROCK grid and south to at least the BO showing which is currently on the current property.

Further east on the GOLDEN claim the showings may represent high level indications of buried mineralization and requires further examination.

The geological portion of this recommended program is budgeted at $40,000 including a report. The geochemical portions are $20,000 for the NW SADIM anomaly extension, $100,000+for the Summers Creek canyon geochemistry and $300,000 for the diamond drill testing.

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CERTIFICATE

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HEREBY DO CERTIFY THAT:

1. I, Leopold Joseph Lindinger, P.Geo. of 680 Dairy Road, Kamloops, B.C..

2. I graduated in 1980 from the University of Waterloo, Ontario with a Bachelor of Sciences (BSc) in Honours Earth Sciences.

3. I am a member in good standing as a Professional Geoscientist (#19155) with the Association of Professional Engineers and Geoscientists of the Province of British Columbia since 1992.

4. I have worked continuously as a geoscientist since graduating in 1980.

5. I am responsible for presenting the exploration results, conclusions and recommendations made and presented in the "**Geophysical and Geochemical Assessment Report on the SADIM - SHAMROCK Property"** .

Dated this 28 Day of March 2022, and amended March 23, 2023

Leopold J. Lindinger, P.Geo.
Leopold J. Lindinger, P.Geo.

APPENDIX A
ANALYTICAL RESULT CERTIFICATES

Quality Analysis ... *Innovative Technologies*

Report No.: **A20-15605**
Report Date: **30-Mar-21**
Date Submitted: **04-Dec-20**
Your Reference: **SADIM (EL)**

Renaissance Geosciences
680 Dairy Road
Kamloops B.C. V2B8N5
Canada

ATTN: Leo Lindinger

CERTIFICATE OF ANALYSIS

162 Soil samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
7-Bioleach	Bioleach ICPMS	2021-01-20 20:11:18
7-ESE-Enzyme Selective Extraction	QOP Enzyme (Enzyme Selective Extraction ICPMS)	2021-01-06 23:23:03
7-MIG	7-Mobile Ion Geochemistry	2021-01-14 23:33:46

REPORT **A20-15605**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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Analyte Symbol	Al	Ca	Fe	K	Mg	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga	Gd
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppb	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	0.2	0.5	0.05	1	0.07	0.1	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	0.1	0.03
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
600N 7200E	566	159	446	52	61	3.0	100	5.68	2280	20.8	0.7	226	12.7	335	215	137	0.40	399	29.7	13.8	8.58	136	30.6
600N 7300E	424	151	352	30	34	4.0	104	2.44	1360	14.8	0.5	246	7.61	315	88.7	111	0.12	216	20.8	9.66	6.11	94.5	22.3
600N 7400E	479	269	376	37	26	3.1	143	< 0.05	2030	16.9	0.6	299	20.0	328	85.8	97	0.37	175	18.6	9.23	6.00	132	21.5
600N 7500E	225	562	165	115	91	2.8	84.6	0.55	4180	16.1	0.1	178	51.1	447	70.7	34	0.31	314	25.6	12.1	7.80	163	28.1
600N 7600E	322	451	218	75	88	1.2	122	< 0.05	3490	13.8	0.3	149	33.1	181	78.8	44	0.43	196	9.33	4.50	3.44	169	10.6
600N 7700E	234	500	267	85	142	2.7	116	< 0.05	4860	19.2	0.1	247	55.7	473	111	93	0.25	203	22.3	9.95	7.19	190	25.4
600N 7800E	301	318	302	128	111	1.7	93.5	5.91	3100	13.6	0.5	274	42.2	185	209	73	0.40	163	10.0	4.63	3.01	136	10.8
600N 7900E	177	464	169	32	102	2.5	169	< 0.05	3310	17.1	0.1	185	18.4	621	59.6	59	0.15	1160	57.0	29.9	18.9	137	62.9
700N 7200E	339	197	118	45	39	3.3	63.3	< 0.05	1330	17.7	< 0.1	305	8.78	284	29.7	49	0.19	283	27.5	13.6	8.16	84.3	29.6
700N 7300E	170	776	91	84	78	1.3	60.1	3.61	3080	11.8	0.5	243	20.1	232	26.1	11	0.47	116	12.8	5.83	4.10	132	14.7
700N 7400E	230	427	162	55	37	1.2	74.8	< 0.05	2270	13.0	0.2	167	32.1	221	51.6	33	0.21	300	11.0	5.06	4.05	113	12.9
700N 7500E	72.6	1690	77	31	129	3.0	48.3	1.08	2310	14.8	< 0.1	168	30.6	653	34.8	12	0.15	418	62.4	32.1	20.4	92.4	75.1
700N 7600E	203	468	223	83	121	2.4	101	0.42	4900	17.8	0.2	225	67.0	491	143	56	0.23	318	23.1	10.3	7.87	187	27.0
700N 7700E	194	558	93	101	78	2.1	57.4	< 0.05	2230	13.4	< 0.1	228	34.8	361	29.6	27	0.32	275	25.1	12.8	7.74	98.4	28.7
700N 7800E	259	525	186	92	138	2.4	121	0.59	3620	18.7	0.1	255	43.1	583	134	63	0.37	356	34.0	15.8	10.5	144	37.0
700N 7900E	262	205	164	54	45	2.9	108	< 0.05	1600	15.0	0.1	253	12.9	358	55.5	59	0.14	264	24.0	11.8	7.10	85.3	25.8
800N 7200E	194	357	108	52	42	3.2	51.4	< 0.05	2720	15.6	< 0.1	223	23.1	377	74.2	34	0.14	294	31.8	15.5	10.6	117	34.3
800N 7300E	299	825	333	40	100	2.4	81.3	< 0.05	2010	17.9	0.4	321	63.0	488	82.4	122	0.32	298	46.0	21.3	14.7	110	51.7
800N 7400E	133	967	130	128	106	2.3	97.0	0.15	3430	15.1	< 0.1	319	36.3	448	38.5	33	0.23	215	24.2	10.8	7.30	128	26.8
800N 7500E	207	332	57	76	25	0.8	53.1	< 0.05	818	10.2	0.3	341	13.4	136	12.7	9	0.40	129	7.99	3.77	2.63	61.7	9.75
800N 7600E	411	267	324	54	81	2.8	142	< 0.05	4200	20.1	0.4	356	29.7	409	148	130	0.37	375	22.1	10.4	6.53	184	24.1
800N 7700E	342	223	367	70	99	2.8	163	10.4	3150	22.1	0.4	349	28.4	564	229	136	0.23	411	33.9	16.0	9.96	135	37.1
800N 7800E	267	563	132	89	130	2.6	121	< 0.05	2170	19.5	0.1	308	21.2	437	49.9	45	0.55	516	46.4	24.0	15.3	111	52.3
800N 7900E	216	449	184	76	115	2.5	87.4	< 0.05	2780	16.7	< 0.1	226	40.3	573	162	58	0.15	548	47.5	23.9	15.1	117	53.2
900N 7100E	66.5	825	135	73	114	0.4	63.0	0.12	5040	7.56	< 0.1	336	52.8	134	184	18	0.04	195	8.44	3.82	3.33	177	9.75
900N 7200E	221	182	143	64	36	2.5	71.6	< 0.05	1380	12.5	0.2	266	9.41	236	33.3	42	0.11	188	12.6	5.92	3.71	79.4	13.3
900N 7300E	293	433	207	72	81	1.9	71.7	2.52	1890	14.3	0.2	341	28.8	282	118	59	0.18	254	17.0	7.86	5.12	94.9	18.6
900N 7400E	158	621	74	59	59	1.1	51.8	< 0.05	1290	11.3	< 0.1	288	39.2	184	19.7	5	0.25	156	10.6	5.40	3.25	77.2	13.4
900N 7500E	165	679	138	85	146	0.5	50.5	5.07	2770	15.3	0.6	256	22.2	214	57.6	59	0.41	194	12.3	5.24	4.13	124	14.0
900N 7600E	441	267	327	54	60	3.2	182	2.99	2770	20.5	0.4	389	34.8	380	161	129	0.17	394	28.5	12.9	8.58	140	29.5
900N 7700E	193	603	158	102	110	2.5	185	0.78	2890	24.4	0.1	259	34.8	681	124	45	0.20	450	56.7	27.2	19.2	120	64.5
900N 7800E	246	578	143	89	70	1.6	62.8	< 0.05	1120	11.4	0.1	317	23.7	286	46.3	43	0.15	243	13.0	6.53	3.83	74.7	14.0
900N 7900E	335	257	294	51	52	2.4	99.8	< 0.05	1860	15.2	0.3	335	25.1	348	142	69	0.19	259	24.7	12.0	7.08	98.4	25.5
1000N 6900E	170	325	100	66	74	2.3	43.0	< 0.05	1560	13.0	< 0.1	253	6.58	327	28.6	32	0.12	204	20.0	9.27	5.93	78.7	22.0
1000N 7000E	347	308	204	52	60	3.1	91.9	< 0.05	3310	24.2	0.2	329	23.1	280	72.3	46	0.22	248	15.3	7.15	5.12	163	15.9
1000N 7100E	54.5	1660	171	72	123	1.9	65.8	11.5	7890	10.9	< 0.1	264	220	511	226	59	0.34	3150	144	75.0	49.0	293	134
1000N 7200E	186	815	153	79	190	2.3	73.9	< 0.05	4270	20.4	< 0.1	380	19.3	570	95.6	53	0.06	576	47.0	23.4	14.5	175	54.1
1000N 7300E	251	516	161	103	90	3.0	69.0	< 0.05	1640	18.5	0.1	318	13.1	431	44.1	45	0.20	299	29.2	14.3	9.26	85.3	31.9
1000N 7400E	371	252	227	56	62	3.1	89.0	3.39	2070	15.5	0.9	321	19.3	336	98.2	90	0.18	333	20.1	9.91	6.03	109	22.3
1000N 7500E	265	110	49	36	12	1.0	35.1	< 0.05	694	9.99	< 0.1	359	13.7	127	16.1	6	0.55	161	8.12	3.72	2.55	56.0	9.50
1000N 7600E	283	293	138	68	76	1.6	120	< 0.05	1830	14.9	< 0.1	327	30.2	320	82.8	46	0.15	351	22.4	10.1	7.01	99.0	25.2
1000N 7700E	242	583	257	91	156	1.8	110	< 0.05	2950	19.8	0.2	281	71.4	411	163	88	0.11	303	18.0	8.51	5.74	131	20.8
1000N 7800E	259	438	249	74	124	1.5	103	1.58	2880	16.7	0.2	278	25.6	225	133	68	0.17	260	11.5	5.55	3.60	135	12.6
1000N 7900E	304	264	491	68	66	1.4	103	7.18	3150	16.7	0.8	374	18.4	258	105	197	0.17	364	15.1	6.32	4.50	142	16.2
1100N 6800E	361	182	255	37	41	3.2	102	0.27	1670	19.3	0.3	354	11.4	256	54.0	86	0.29	286	16.3	8.01	4.63	103	17.2
1100N 6900E	328	334	250	52	41	2.2	73.2	< 0.05	1350	13.3	0.2	354	11.9	187	63.7	81	0.20	267	13.1	6.18	4.12	94.5	14.6
1100N 7000E	206	725	137	75	78	2.8	55.6	< 0.05	4430	21.0	< 0.1	217	21.7	311	32.0	40	0.20	362	27.8	14.6	9.62	183	30.8
1100N 7100E	231	266	100	52	47	2.7	50.0	< 0.05	1990	16.4	< 0.1	279	10.4	342	20.3	32	0.18	281	25.1	12.3	7.33	103	27.4
1100N 7200E	96.8	1940	66	47	45	0.9	109	< 0.05	879	13.3	< 0.1	234	24.1	219	14.8	23	0.09	299	62.9	35.8	20.8	47.4	71.0
1100N 7300E	232	437	128	95	95	3.3	70.4	< 0.05	2300	19.8	< 0.1	183	11.9	419	35.3	61	0.17	318	30.9	14.9	9.78	112	33.6

Analyte Symbol	Al	Ca	Fe	K	Mg	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga	Gd
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppb	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	0.2	0.5	0.05	1	0.07	0.1	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	0.1	0.03
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
1100N 7400E	246	483	152	77	94	2.3	75.5	< 0.05	2580	18.0	0.2	212	10.3	345	76.0	55	0.19	260	19.4	9.37	6.09	120	22.1
1100N 7500E	346	277	145	38	46	4.6	146	< 0.05	2070	27.3	< 0.1	242	42.7	612	56.1	68	0.21	413	45.5	21.7	14.0	107	48.8
1100N 7600E	74.3	679	174	147	185	0.8	64.6	5.89	3850	14.5	0.7	313	55.1	346	176	42	0.06	242	13.0	5.69	4.30	143	15.3
1100N 7700E	308	421	163	52	93	2.5	102	< 0.05	2850	19.8	0.2	277	27.1	396	45.5	62	0.30	269	20.6	9.44	6.25	126	22.8
1100N 7800E	167	605	92	39	108	1.4	59.7	< 0.05	3000	20.4	< 0.1	176	19.4	454	51.5	28	0.16	301	25.7	12.1	8.61	126	30.8
1100N 7900E	331	296	256	63	85	3.5	117	< 0.05	3740	26.0	0.2	278	17.6	612	94.1	91	0.51	373	33.8	15.5	9.91	167	35.3
1200N 6700E	310	244	185	50	66	2.8	58.6	< 0.05	1900	19.0	0.2	314	10.7	445	48.0	60	0.30	340	32.9	16.6	9.92	106	36.5
1200N 6800E	187	497	339	38	75	1.3	83.2	< 0.05	4730	15.6	0.3	238	6.29	87.4	105	77	0.20	217	6.72	3.38	2.64	202	6.86
1200N 6900E	366	210	379	19	46	2.9	98.7	< 0.05	2600	20.7	0.2	432	7.37	451	55.7	249	0.09	530	32.2	15.1	9.82	135	35.3
1200N 7000E	313	215	349	23	61	0.9	65.3	< 0.05	5080	18.9	0.3	198	38.6	297	135	110	0.96	457	16.3	7.78	5.80	231	17.8
1200N 7100E	333	268	265	53	85	2.4	88.6	< 0.05	3530	21.6	0.1	273	14.0	273	106	86	0.12	294	17.0	7.32	5.46	162	17.3
1200N 7200E	238	433	330	57	87	2.0	105	4.58	3670	17.4	0.9	250	21.2	247	195	169	0.24	300	10.3	4.57	3.29	160	11.0
1200N 7300E	179	920	210	49	279	3.7	76.2	2.95	6110	27.1	0.6	332	24.1	701	73.1	86	0.17	821	73.4	40.3	24.5	235	86.1
1200N 7400E	204	673	395	46	100	2.7	142	4.01	4340	19.7	0.8	390	12.7	536	92.2	183	0.19	478	32.4	14.9	9.99	189	34.9
1200N 7500E	250	338	139	50	40	2.2	68.5	< 0.05	1250	15.6	0.4	306	6.23	207	29.8	52	0.19	324	13.6	6.93	4.44	82.8	15.2
1200N 7600E	316	136	123	61	27	3.6	62.3	1.09	1510	21.3	0.3	360	12.3	343	31.6	58	0.22	315	23.7	11.5	6.96	87.7	24.4
1200N 7700E	189	463	139	76	87	1.0	58.9	< 0.05	1530	11.2	< 0.1	207	56.7	211	53.5	37	0.19	247	8.86	4.13	2.72	77.5	9.72
1200N 7800E	414	198	256	56	73	2.5	89.6	< 0.05	1740	15.7	0.4	443	20.1	324	142	109	0.29	490	21.0	9.87	6.16	106	22.1
1200N 7900E	202	361	120	68	68	3.0	101	1.33	3030	21.1	0.4	474	14.5	389	26.7	48	0.44	521	28.6	14.4	8.81	137	31.4
1300N 6500E	46.0	1530	47	10	154	2.4	44.7	< 0.05	5910	23.5	< 0.1	297	9.19	693	18.7	18	0.04	431	76.7	39.2	25.8	224	97.0
1300N 6600E	292	339	412	45	82	1.6	74.6	3.24	3430	22.2	0.8	473	8.69	284	49.8	207	0.93	425	23.7	11.6	8.15	159	26.5
1300N 6700E	255	228	170	43	63	2.3	54.1	4.72	2070	14.1	0.8	235	11.8	258	36.6	53	0.20	182	15.9	7.55	4.87	109	16.4
1300N 6800E	483	57	279	16	10	2.4	60.8	< 0.05	2000	22.2	0.3	281	4.26	344	86.8	109	0.52	226	21.1	10.00	6.99	139	24.5
1300N 6900E	230	347	69	33	37	2.9	53.0	< 0.05	1910	19.3	0.1	269	11.6	397	18.0	17	0.33	416	30.8	15.8	9.74	112	34.0
1300N 7000E	133	444	119	51	89	0.8	39.6	< 0.05	4960	16.5	0.1	166	33.2	318	113	12	0.24	335	16.3	7.74	6.60	191	19.1
1300N 7100E	240	690	104	59	44	1.6	45.1	< 0.05	5280	16.6	0.2	226	29.9	358	55.7	10	0.48	332	32.1	15.2	11.2	225	32.8
1300N 7200E	176	929	248	73	184	2.1	80.4	< 0.05	4970	19.3	0.4	249	37.1	607	133	96	0.42	477	46.8	23.2	15.2	196	52.5
1300N 7300E	158	629	135	41	103	1.5	47.5	< 0.05	5580	18.9	< 0.1	134	13.5	227	47.0	46	1.06	187	11.2	5.21	4.09	227	12.8
1300N 7400E	378	300	324	52	57	3.6	97.2	0.86	4320	23.8	0.5	312	14.1	402	57.9	122	0.37	383	19.6	9.29	6.34	201	21.7
1300N 7500E	368	288	312	53	42	2.3	91.3	< 0.05	4010	18.9	0.3	217	10.8	326	114	105	0.39	376	20.5	10.0	6.48	193	22.8
1300N 7600E	288	326	137	51	50	2.9	73.3	5.00	1850	19.4	0.7	246	11.7	356	35.0	43	0.29	303	20.8	10.7	6.49	93.1	23.4
1300N 7700E	511	165	550	33	55	2.7	170	5.99	2850	29.3	0.6	430	9.61	369	115	281	0.40	671	25.5	12.2	8.07	147	27.4
1300N 7800E	504	183	379	46	43	3.7	115	< 0.05	3390	25.5	0.5	378	16.8	434	148	165	0.27	403	26.1	12.6	7.88	176	27.7
1300N 7900E	288	248	90	40	39	2.1	72.6	< 0.05	2090	18.4	< 0.1	308	9.81	278	24.7	25	0.24	390	21.5	10.1	6.69	109	24.0
1400N 6500E	255	50	190	25	18	2.2	56.6	< 0.05	913	14.8	0.2	239	4.31	257	46.4	91	0.09	211	21.5	9.99	6.15	62.5	21.9
1400N 6600E	253	53	186	26	18	2.3	57.0	0.78	813	12.3	0.1	192	4.17	263	50.7	100	0.08	202	17.7	8.64	4.95	62.9	19.0
1400N 6700E	269	91	144	33	18	1.5	85.3	2.16	881	10.6	0.5	324	5.90	100	29.3	70	0.37	101	6.51	3.27	2.02	67.3	6.53
1400N 6800E	255	101	79	38	17	2.4	48.1	< 0.05	822	13.0	< 0.1	243	6.13	226	29.7	53	0.25	288	19.5	9.67	6.08	60.1	21.0
1400N 6900E	41.7	1760	93	10	220	3.9	60.4	0.26	11000	11.8	< 0.1	589	10.0	550	21.9	116	0.18	1210	90.1	44.9	30.4	357	99.9
1400N 7000E	310	221	186	42	41	2.7	68.5	< 0.05	3040	19.1	0.1	209	6.47	376	49.4	81	0.32	227	26.0	11.9	8.20	126	26.0
1400N 7100E	303	138	139	33	37	3.5	60.9	< 0.05	1310	15.8	< 0.1	134	5.67	291	28.6	104	0.20	176	18.0	8.43	5.18	74.3	18.7
1400N 7200E	136	868	94	66	126	2.1	49.3	0.43	2140	17.4	< 0.1	77	38.5	419	42.4	52	0.29	287	21.9	10.5	7.30	81.2	26.7
1400N 7300E	186	582	125	53	101	2.0	64.3	< 0.05	1900	15.2	< 0.1	56	16.3	303	59.9	47	0.29	211	14.1	6.35	4.46	80.0	16.0
1400N 7400E	318	429	278	43	88	1.4	78.3	< 0.05	2290	15.6	0.2	151	12.0	237	106	113	0.25	288	14.2	6.71	4.50	109	15.6
1400N 7500E	235	227	145	34	38	2.4	74.1	< 0.05	1810	16.4	< 0.1	134	3.87	265	35.2	91	0.16	219	22.3	10.9	6.72	81.7	23.1
1400N 7600E	153	467	164	62	87	1.4	48.4	1.77	2960	11.4	0.7	106	11.0	163	101	57	0.15	112	8.13	3.63	2.70	108	9.40
1400N 7700E	508	176	413	24	60	2.3	127	< 0.05	2890	26.5	0.5	341	8.80	261	187	246	0.48	387	15.1	6.53	4.69	141	15.8
1500N 6500E	195	159	76	41	29	2.0	44.5	< 0.05	883	12.0	< 0.1	132	6.34	295	25.7	52	0.18	146	21.7	10.3	6.60	49.9	24.5
1500N 6600E	252	165	77	39	30	3.0	82.5	< 0.05	1270	22.6	< 0.1	160	2.90	355	17.8	51	0.27	150	28.1	13.8	8.60	80.0	30.4
1500N 6700E	758	43	153	16	4	2.1	91.1	< 0.05	1700	20.7	0.2	260	3.82	269	38.6	135	2.00	226	21.6	9.76	7.34	143	24.1

Analyte Symbol	Al	Ca	Fe	K	Mg	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga	Gd
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppb	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	0.2	0.5	0.05	1	0.07	0.1	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	0.1	0.03
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
1500N 6800E	136	374	58	51	44	2.4	45.9	< 0.05	1650	12.4	< 0.1	72	6.79	289	11.1	23	0.31	119	19.1	9.75	5.68	74.1	22.8
1500N 6900E	157	304	119	75	57	1.4	37.6	< 0.05	2240	9.49	< 0.1	61	11.7	187	26.9	43	0.30	93.7	7.25	3.54	2.53	98.2	8.56
1500N 7000E	354	128	240	33	56	2.8	95.4	0.31	2860	16.8	0.2	192	6.10	283	75.3	152	0.29	276	17.2	8.85	5.46	126	17.7
1500N 7100E	218	318	115	54	64	2.5	52.3	< 0.05	1640	13.8	< 0.1	86	6.55	249	35.9	49	0.18	212	15.9	8.09	4.90	75.5	17.5
1500N 7200E	205	208	99	30	33	1.8	37.6	1.82	1570	14.2	0.5	204	3.44	201	13.8	38	0.15	75.2	11.5	5.37	3.85	77.5	13.9
1500N 7300E	127	708	129	62	113	2.1	65.7	0.29	2380	13.5	0.2	136	28.7	327	31.9	47	0.27	242	20.1	9.62	6.50	90.3	23.6
1500N 7400E	219	524	85	98	51	2.5	67.5	< 0.05	1610	16.3	< 0.1	200	16.4	307	31.4	37	0.27	170	18.2	9.04	5.62	77.7	21.7
1500N 7500E	236	309	145	32	32	1.5	44.4	< 0.05	1610	16.5	< 0.1	184	13.6	237	47.4	35	0.08	320	23.5	11.6	8.31	78.3	23.2
1500N 7600E	252	162	111	36	29	2.3	55.4	< 0.05	1180	13.0	< 0.1	145	4.71	230	34.8	69	0.16	103	15.0	7.41	4.28	69.8	16.1
1500N 7700E	240	326	405	14	58	2.5	115	1.28	7080	31.8	0.5	122	11.9	1150	158	281	0.20	1100	68.6	32.9	22.8	239	83.2
1600N 6500E	223	253	92	76	82	1.4	35.2	0.19	805	13.1	< 0.1	114	9.76	241	57.5	39	0.35	163	19.3	9.34	5.64	50.4	22.0
1600N 6600E	96.6	572	69	40	72	1.8	42.9	< 0.05	2240	13.1	< 0.1	49	9.56	383	29.1	40	0.14	375	38.3	19.2	12.8	83.3	43.7
1600N 6700E	155	649	266	37	131	1.5	84.5	< 0.05	2450	13.3	< 0.1	133	9.81	275	117	123	0.11	189	18.4	8.83	5.77	95.3	19.9
1600N 6800E	186	502	127	45	83	2.6	47.9	< 0.05	2660	14.9	< 0.1	47	21.0	241	31.9	75	0.36	132	15.6	7.81	5.05	104	17.6
1600N 6900E	261	295	117	40	37	2.0	58.0	1.96	1470	13.3	0.5	124	6.43	262	27.3	50	0.18	180	16.4	7.85	5.45	77.1	19.5
1600N 7000E	152	529	115	44	76	3.0	62.5	0.58	3280	14.9	< 0.1	89	12.0	287	21.1	42	0.45	209	16.2	7.71	5.16	119	18.8
1600N 7100E	388	209	184	49	48	2.5	79.3	0.18	2530	12.8	0.2	177	15.8	242	70.6	65	0.75	113	13.2	6.42	3.94	128	14.6
1600N 7200E	200	201	78	44	19	2.0	34.1	< 0.05	1660	12.8	< 0.1	137	4.27	286	10.8	28	0.44	160	17.2	8.60	5.69	89.9	22.1
1600N 7300E	322	284	259	56	92	3.4	101	< 0.05	3850	22.5	< 0.1	147	37.6	538	123	109	0.63	332	29.9	14.2	9.07	153	32.4
1600N 7400E	227	617	130	29	78	2.3	33.1	< 0.05	1520	20.3	< 0.1	127	17.3	407	46.2	45	0.25	345	30.7	15.9	10.5	63.0	37.4
1600N 7500E	143	468	147	33	95	1.6	41.6	< 0.05	3790	12.0	< 0.1	29	9.48	214	57.9	52	0.45	137	9.84	4.66	3.40	135	11.8
1600N 7600E	259	374	164	20	50	2.4	74.7	< 0.05	1050	12.6	< 0.1	127	7.66	165	34.5	96	0.23	126	10.1	4.64	3.11	73.1	10.8
1600N 7700E	287	165	234	27	44	3.7	113	< 0.05	3800	18.9	0.1	175	10.5	461	57.5	133	0.37	260	28.2	13.3	8.23	151	29.5
1700N 6500E	260	119	154	31	24	1.9	56.5	2.67	1120	15.5	0.5	246	4.01	176	32.9	81	0.15	154	14.7	7.46	4.61	77.7	16.3
1700N 6600E	66.0	614	44	29	11	0.9	30.7	0.21	627	4.82	< 0.1	9	7.08	53.0	6.9	42	0.24	77.0	4.09	2.14	1.16	39.5	4.27
1700N 6700E	141	561	80	184	196	0.6	50.1	1.73	1340	7.12	< 0.1	138	29.9	51.3	27.5	30	0.32	93.1	6.16	3.33	1.82	47.7	6.85
1700N 6800E	58.4	1670	94	27	90	2.2	56.3	< 0.05	6620	12.2	0.2	180	19.0	169	14.1	86	0.06	1710	110	58.8	35.1	211	119
1700N 6900E	170	401	84	51	66	1.8	46.5	< 0.05	1880	12.8	< 0.1	12	12.0	224	23.9	36	0.16	154	10.2	5.08	3.45	78.7	12.3
1700N 7000E	265	243	152	55	50	3.5	60.3	< 0.05	2150	17.7	< 0.1	147	22.3	333	35.3	55	0.20	233	22.1	11.6	6.15	101	24.8
1700N 7100E	61.0	1250	74	36	132	1.7	56.9	2.92	2140	12.8	0.8	87	23.8	254	19.6	35	0.10	218	20.5	10.5	6.55	71.3	23.0
1700N 7200E	252	129	60	33	17	1.5	35.5	1.30	769	20.8	< 0.1	187	7.26	256	15.4	29	0.25	118	19.2	8.83	7.06	63.4	23.6
1700N 7300E	210	256	64	75	34	2.2	31.0	0.15	828	21.0	< 0.1	264	4.01	348	14.7	27	0.24	303	21.1	9.65	7.38	63.4	26.5
1700N 7400E	369	468	285	42	138	4.6	127	0.83	4040	23.6	0.2	194	8.71	476	69.9	150	0.78	347	39.3	19.8	11.9	156	43.2
1700N 7500E	230	370	121	84	62	2.7	53.8	0.10	2160	15.5	< 0.1	198	12.2	315	36.1	52	0.22	176	18.5	8.52	5.86	93.5	21.2
1700N 7600E	442	186	323	47	42	3.1	84.4	0.05	3700	30.4	0.4	380	19.0	608	132	152	0.38	1330	35.7	16.7	11.4	147	39.1
1700N 7700E	167	696	190	30	129	1.4	68.8	< 0.05	9940	14.7	0.1	152	13.5	163	43.1	56	0.24	132	11.2	5.42	4.45	320	12.4
1800N 6500E	122	347	93	33	58	3.0	69.9	< 0.05	2070	23.3	< 0.1	14	12.8	643	39.5	80	0.80	357	70.9	37.6	22.9	82.5	77.0
1800N 6600E	186	174	86	34	27	2.4	56.6	2.79	1530	17.4	0.6	92	6.03	274	16.1	40	0.30	101	21.0	9.84	6.05	72.0	21.2
1800N 6700E	64.7	849	111	72	155	1.3	59.9	1.43	3410	10.4	0.3	90	19.4	228	46.4	32	0.16	108	11.4	5.36	3.69	108	13.4
1800N 6800E	210	498	200	81	123	1.9	54.3	0.63	2670	10.2	0.3	163	13.5	207	71.8	106	0.12	139	17.4	8.65	5.23	90.0	18.0
1800N 6900E	244	193	119	42	27	1.3	28.2	< 0.05	2630	8.68	< 0.1	96	5.35	104	11.8	28	0.33	24.6	5.67	2.93	2.03	109	6.26
1800N 7000E	150	503	77	85	71	1.5	47.5	< 0.05	1890	12.8	< 0.1	71	19.0	211	21.7	28	0.14	80.5	10.1	4.60	3.58	67.5	12.3
1800N 7100E	263	319	158	54	93	2.1	78.0	< 0.05	1510	17.5	< 0.1	139	8.91	281	46.8	82	0.16	243	23.7	11.6	7.67	74.6	27.1
1800N 7200E	249	324	132	42	61	1.7	49.3	< 0.05	1770	13.5	< 0.1	177	8.11	130	30.4	46	0.20	253	8.53	4.01	3.00	91.4	9.73
1800N 7300E	397	197	190	30	41	2.5	71.3	< 0.05	1770	21.0	< 0.1	317	22.3	262	108	102	0.24	343	20.0	9.24	5.37	103	19.9
1800N 7400E	183	429	241	43	112	1.8	72.8	< 0.05	4080	16.9	< 0.1	134	18.6	193	108	97	0.31	112	6.75	2.82	2.30	140	7.34
1800N 7500E	169	678	78	106	197	1.5	75.3	< 0.05	1460	11.8	< 0.1	127	12.5	131	20.7	30	0.25	151	8.61	4.27	2.82	75.3	9.90
1800N 7600E	270	285	268	30	79	2.0	105	1.82	3890	22.2	0.7	156	9.68	376	144	134	0.58	255	17.8	7.83	5.55	149	19.5
1800N 7700E	214	319	104	58	53	1.7	51.0	0.77	2660	15.8	0.2	152	10.9	267	21.8	35	0.15	93.1	10.6	4.65	3.83	108	13.0
1900N 6500E	266	291	253	81	102	1.7	53.7	1.18	1720	16.1	< 0.1	91	29.1	83.2	81.9	83	0.29	116	6.01	3.09	1.83	76.7	6.19

Analyte Symbol	Al	Ca	Fe	K	Mg	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga	Gd
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppb	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	0.2	0.5	0.05	1	0.07	0.1	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	0.1	0.03
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
1900N 6600E	64.8	1240	56	41	143	1.1	41.8	0.55	1320	6.29	< 0.1	42	9.62	76.3	16.1	25	0.11	63.5	11.3	5.92	3.82	43.8	13.5
1900N 6700E	23.3	744	32	69	126	1.8	14.7	< 0.05	6140	13.7	< 0.1	< 5	30.8	925	56.6	3	0.11	89.2	50.1	22.8	19.8	187	62.6
1900N 6800E	171	270	66	40	36	1.5	29.2	< 0.05	1810	13.8	< 0.1	11	16.7	198	21.7	22	0.13	156	7.98	3.78	2.88	66.2	10.1
1900N 6900E	166	276	65	63	54	2.5	36.8	< 0.05	2760	16.5	< 0.1	46	11.0	261	17.2	24	0.22	106	16.2	7.98	4.94	96.1	18.5
1900N 7000E	258	242	89	80	59	2.0	41.5	< 0.05	1200	16.7	< 0.1	118	12.0	215	28.3	47	0.22	125	13.5	6.43	4.27	62.3	15.5
1900N 7100E	203	303	135	75	79	1.5	53.8	< 0.05	1650	12.6	< 0.1	146	22.3	197	54.7	43	0.17	89.2	11.1	5.07	3.56	61.0	12.8
1900N 7200E	275	223	135	71	65	2.0	52.3	< 0.05	1600	16.7	< 0.1	130	8.01	294	77.2	54	0.18	207	21.1	10.4	6.46	71.1	24.2
1900N 7300E	364	282	399	35	58	2.4	221	2.77	3760	23.8	0.9	247	17.8	287	154	207	0.38	315	16.1	7.20	5.16	152	17.2
1900N 7400E	146	524	124	32	68	1.5	59.4	< 0.05	2880	18.0	0.2	130	12.4	218	53.3	52	0.14	144	12.6	5.51	4.14	108	14.4
1900N 7500E	302	220	159	61	63	2.2	58.6	< 0.05	2080	14.1	< 0.1	139	21.0	256	49.7	75	0.22	201	15.1	7.34	4.82	85.4	17.4
1900N 7600E	210	321	178	49	93	1.4	80.5	< 0.05	1850	21.9	< 0.1	82	13.2	240	121	88	0.18	296	14.8	6.97	4.62	74.0	15.9
1900N 7700E	293	190	134	68	34	1.6	80.1	< 0.05	1730	12.6	< 0.1	220	23.8	167	42.9	37	0.17	184	9.81	4.21	3.20	89.4	11.0

Analyte Symbol	Ge	Hf	Hg	Ho	I	In	La	Li	Lu	Mn	Mo	Nb	Nd	Ni	Os	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb
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	0.05	0.04	0.05	0.01	1	0.1	0.01	0.2	0.01	0.1	2	0.2	0.03	0.2	1	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
600N 7200E	0.85	25.7	0.68	5.34	27	1.0	107	6.1	1.47	118000	15	26.3	129	51.8	< 1	505	9.3	30.6	< 0.5	39.7	< 0.01	< 0.05	4.5
600N 7300E	0.61	29.2	0.29	3.66	22	0.6	92.0	1.1	1.02	70600	14	28.7	103	30.1	< 1	207	11.3	25.4	< 0.5	20.5	< 0.01	< 0.05	3.5
600N 7400E	0.68	24.9	0.51	3.34	23	0.9	96.9	2.4	1.11	54900	22	41.7	107	28.9	< 1	175	9.3	27.1	< 0.5	32.3	< 0.01	< 0.05	2.7
600N 7500E	0.52	22.4	0.07	4.64	18	0.4	119	1.3	1.38	171000	12	17.8	126	30.4	< 1	71.8	9.7	32.5	< 0.5	33.1	< 0.01	< 0.05	1.8
600N 7600E	0.62	8.64	0.28	1.73	14	0.6	51.2	1.6	0.43	258000	40	19.3	48.7	41.5	< 1	207	3.5	12.2	< 0.5	31.5	< 0.01	< 0.05	2.3
600N 7700E	0.63	21.6	< 0.05	3.83	19	0.6	116	6.3	0.92	258000	23	25.4	113	49.3	< 1	227	9.0	28.9	< 0.5	17.5	< 0.01	< 0.05	2.9
600N 7800E	0.53	16.4	0.36	1.77	11	0.7	48.0	7.9	0.42	358000	151	24.0	48.2	62.9	< 1	339	6.7	12.3	< 0.5	56.6	< 0.01	< 0.05	2.6
600N 7900E	0.99	21.5	0.08	10.5	17	0.4	200	2.0	3.71	21900	6	6.4	267	50.0	< 1	160	8.1	61.8	< 0.5	35.8	< 0.01	< 0.05	2.4
700N 7200E	0.54	22.0	< 0.05	4.94	42	0.4	94.4	< 0.2	1.77	50900	7	8.5	130	14.1	< 1	94.6	8.5	31.3	< 0.5	38.6	< 0.01	< 0.05	1.8
700N 7300E	0.29	10.8	0.49	2.22	30	0.3	63.4	< 0.2	0.63	147000	11	10.0	66.1	31.7	< 1	88.0	4.2	16.5	< 0.5	59.7	< 0.01	< 0.05	1.6
700N 7400E	0.35	10.9	< 0.05	1.90	15	0.4	56.1	1.1	0.54	152000	< 2	17.6	60.5	24.4	< 1	48.9	4.9	15.5	< 0.5	40.1	< 0.01	< 0.05	1.4
700N 7500E	1.14	24.4	< 0.05	12.0	37	0.2	271	< 0.2	4.21	98600	13	14.1	333	43.4	< 1	38.8	9.4	77.4	< 0.5	26.7	0.05	< 0.05	2.5
700N 7600E	0.58	18.2	< 0.05	4.06	17	0.7	119	3.3	1.04	245000	31	21.6	118	57.4	< 1	208	8.4	30.6	< 0.5	19.1	< 0.01	< 0.05	1.8
700N 7700E	0.47	15.9	< 0.05	4.64	25	0.3	108	< 0.2	1.56	95300	12	10.7	127	20.9	< 1	55.1	7.1	32.0	< 0.5	42.7	< 0.01	< 0.05	1.3
700N 7800E	0.57	20.3	< 0.05	5.98	20	0.5	145	< 0.2	1.69	293000	22	15.4	164	38.2	< 1	111	8.3	39.8	< 0.5	51.3	< 0.01	< 0.05	1.1
700N 7900E	0.49	21.2	< 0.05	4.40	27	0.4	88.0	< 0.2	1.38	89600	16	11.3	114	17.6	< 1	41.4	8.6	28.1	< 0.5	25.1	< 0.01	< 0.05	1.7
800N 7200E	0.59	20.2	< 0.05	5.71	23	0.3	105	< 0.2	2.02	100000	11	10.8	134	25.0	< 1	29.6	8.6	31.5	< 0.5	14.8	< 0.01	< 0.05	3.3
800N 7300E	1.12	19.0	< 0.05	7.79	22	0.7	168	5.7	2.34	66900	15	28.0	222	53.0	< 1	245	9.0	52.3	< 0.5	22.1	0.02	< 0.05	2.5
800N 7400E	0.52	19.8	< 0.05	4.28	25	0.4	114	0.4	1.12	184000	22	17.9	121	36.5	< 1	69.3	7.8	30.9	< 0.5	48.7	< 0.01	< 0.05	2.0
800N 7500E	0.35	7.49	< 0.05	1.40	33	0.2	43.2	< 0.2	0.38	84900	3	5.8	48.3	14.6	< 1	37.1	2.8	12.0	< 0.5	94.4	< 0.01	< 0.05	1.5
800N 7600E	0.79	24.5	0.90	3.90	35	0.9	95.3	4.0	1.06	298000	22	27.7	107	64.7	< 1	198	9.6	26.8	< 0.5	36.4	< 0.01	< 0.05	2.3
800N 7700E	0.86	22.9	0.48	6.10	19	1.0	132	5.4	1.63	176000	69	26.7	156	57.1	< 1	200	8.5	39.3	< 0.5	11.6	< 0.01	< 0.05	2.6
800N 7800E	0.83	20.4	< 0.05	8.71	39	0.4	179	< 0.2	2.98	119000	7	14.8	229	26.0	< 1	54.3	8.0	54.3	< 0.5	53.5	< 0.01	< 0.05	1.7
800N 7900E	0.73	20.2	0.17	9.01	18	0.5	185	< 0.2	2.82	154000	6	12.1	228	48.0	< 1	80.2	8.0	56.2	< 0.5	19.6	< 0.01	< 0.05	1.3
900N 7100E	0.13	2.76	< 0.05	1.46	11	0.4	38.1	2.0	0.38	278000	45	7.3	36.6	75.5	< 1	177	2.7	9.15	< 0.5	4.2	< 0.01	< 0.05	2.8
900N 7200E	0.29	17.9	< 0.05	2.17	14	0.4	54.1	< 0.2	0.67	118000	8	14.6	61.5	15.9	< 1	71.8	6.7	15.5	< 0.5	35.0	< 0.01	< 0.05	1.9
900N 7300E	0.40	17.5	0.22	2.95	15	0.6	77.3	< 0.2	0.89	228000	33	16.7	82.7	42.4	< 1	195	6.0	22.1	< 0.5	44.5	< 0.01	< 0.05	1.6
900N 7400E	0.40	8.37	< 0.05	2.02	18	0.2	59.3	< 0.2	0.63	150000	20	7.8	62.4	18.3	< 1	38.2	4.1	15.7	< 0.5	47.2	< 0.01	< 0.05	1.4
900N 7500E	0.56	6.95	0.32	2.07	21	0.4	66.1	4.5	0.51	212000	34	12.1	62.3	41.5	< 1	35.3	2.4	15.9	< 0.5	22.5	< 0.01	< 0.05	1.5
900N 7600E	0.80	24.5	0.75	5.08	36	0.8	102	< 0.2	1.27	230000	24	23.5	122	54.9	< 1	176	9.2	29.5	< 0.5	27.1	< 0.01	< 0.05	2.1
900N 7700E	1.41	23.2	< 0.05	10.2	25	0.5	246	2.3	3.32	224000	12	14.9	284	39.2	< 1	71.3	7.7	69.1	< 0.5	34.6	< 0.01	< 0.05	1.4
900N 7800E	0.36	16.0	0.11	2.34	19	0.4	63.5	< 0.2	0.75	106000	32	15.5	68.2	30.3	< 1	60.4	5.3	17.9	< 0.5	75.9	< 0.01	< 0.05	1.3
900N 7900E	0.63	18.7	0.08	4.55	18	0.7	91.3	< 0.2	1.39	109000	20	24.5	107	37.7	< 1	73.8	7.0	27.0	< 0.5	27.3	< 0.01	< 0.05	1.7
1000N 6900E	0.38	19.1	< 0.05	3.61	15	0.3	95.6	< 0.2	1.08	56000	14	8.2	106	12.9	< 1	33.2	7.4	27.0	< 0.5	58.4	< 0.01	< 0.05	1.2
1000N 7000E	0.64	24.8	0.07	2.74	19	0.6	58.8	0.5	0.84	98600	7	25.1	69.7	17.9	< 1	154	8.8	17.8	< 0.5	22.3	< 0.01	< 0.05	3.7
1000N 7100E	1.36	15.1	0.07	27.4	30	0.4	234	3.3	9.78	144000	51	10.8	397	154	< 1	158	12.9	79.9	< 0.5	15.7	< 0.01	< 0.05	28.3
1000N 7200E	0.91	19.9	< 0.05	8.62	53	0.4	204	< 0.2	2.82	118000	14	10.6	242	37.5	< 1	56.9	6.8	58.6	< 0.5	33.5	0.02	< 0.05	2.6
1000N 7300E	0.75	25.1	0.25	5.32	26	0.4	122	< 0.2	1.81	59700	23	18.7	154	18.8	< 1	95.6	9.0	37.9	< 0.5	66.7	< 0.01	< 0.05	2.1
1000N 7400E	0.72	24.7	0.53	3.61	21	0.6	85.8	< 0.2	1.13	130000	11	22.2	103	41.3	< 1	85.1	8.8	25.8	< 0.5	36.4	< 0.01	< 0.05	2.2
1000N 7500E	0.64	8.82	< 0.05	1.46	42	0.2	36.4	< 0.2	0.46	99500	5	4.4	51.2	12.8	< 1	62.6	3.2	11.3	< 0.5	134	< 0.01	< 0.05	1.5
1000N 7600E	0.79	16.1	0.05	3.82	30	0.4	104	< 0.2	1.12	155000	6	9.5	115	36.7	< 1	96.0	6.0	28.9	< 0.5	50.3	< 0.01	< 0.05	2.2
1000N 7700E	0.66	17.9	0.35	3.25	19	0.6	102	1.5	0.81	215000	27	19.9	90.7	115	< 1	106	6.9	24.0	< 0.5	18.6	< 0.01	< 0.05	1.6
1000N 7800E	1.13	14.4	0.25	2.06	15	0.7	55.7	3.3	2.20	168000	24	22.7	54.7	56.4	< 1	114	4.3	14.2	< 0.5	27.2	< 0.01	< 0.05	2.4
1000N 7900E	0.18	12.3	0.51	2.57	17	0.7	80.1	7.6	0.59	32900	78	24.6	76.0	62.1	< 1	140	4.5	19.8	< 0.5	0.4	< 0.01	< 0.05	3.4
1100N 6800E	< 0.05	26.0	0.68	2.91	23	0.6	57.8	1.4	0.91	107000	18	21.9	73.4	33.2	< 1	52.2	9.5	18.5	< 0.5	30.9	< 0.01	< 0.05	2.0
1100N 6900E	< 0.05	15.7	0.74	2.36	30	0.5	62.4	< 0.2	0.72	79200	7	16.4	68.2	33.6	< 1	62.0	5.7	17.6	< 0.5	56.2	< 0.01	< 0.05	2.4
1100N 7000E	< 0.05	23.5	0.23	5.23	27	0.4	112	0.8	1.71	54100	< 2	15.5	129	30.3	< 1	26.0	7.8	31.8	< 0.5	12.8	< 0.01	< 0.05	1.9
1100N 7100E	0.18	22.4	0.24	4.52	39	0.3	108	< 0.2	1.46	66200	12	11.3	127	18.6	< 1	43.2	8.0	32.2	< 0.5	42.9	< 0.01	< 0.05	1.4
1100N 7200E	0.23	9.61	0.65	12.8	38	0.2	367	< 0.2	4.76	23700	6	2.8	351	57.4	< 1	33.9	3.3	84.4	< 0.5	38.5	0.02	< 0.05	3.5
1100N 7300E	< 0.05	29.1	0.24	5.61	23	0.4	128	< 0.2	1.86	55600	18	14.6	153	15.4	< 1	27.6	10.1	37.1	< 0.5	38.8	< 0.01	< 0.05	2.2

Analyte Symbol	Ge	Hf	Hg	Ho	I	In	La	Li	Lu	Mn	Mo	Nb	Nd	Ni	Os	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb
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	0.05	0.04	0.05	0.01	1	0.1	0.01	0.2	0.01	0.1	2	0.2	0.03	0.2	1	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
1100N 7400E	< 0.05	19.5	0.14	3.50	17	0.5	94.2	0.6	1.12	121000	23	15.9	105	23.1	< 1	56.3	6.6	26.1	< 0.5	45.0	< 0.01	< 0.05	2.1
1100N 7500E	0.44	35.8	0.11	7.99	42	0.5	167	< 0.2	2.52	199000	23	14.7	215	17.5	< 1	36.2	14.0	52.9	< 0.5	42.6	< 0.01	< 0.05	2.3
1100N 7600E	< 0.05	9.48	0.61	2.27	11	0.6	83.9	2.0	0.61	388000	126	18.7	70.5	60.4	< 1	152	4.5	19.2	< 0.5	15.1	< 0.01	< 0.05	1.4
1100N 7700E	0.31	21.6	0.27	3.64	27	0.5	106	0.2	0.98	185000	19	19.4	112	34.1	< 1	34.9	6.7	28.5	< 0.5	48.6	< 0.01	< 0.05	1.4
1100N 7800E	0.23	13.9	0.48	4.65	21	0.3	129	< 0.2	1.45	108000	12	7.8	140	26.6	< 1	25.0	4.3	35.4	< 0.5	28.5	< 0.01	< 0.05	1.3
1100N 7900E	0.56	30.0	0.75	5.86	25	0.7	137	1.4	1.65	109000	8	26.9	155	51.4	< 1	68.9	10.5	39.6	< 0.5	41.1	< 0.01	< 0.05	2.1
1200N 6700E	0.26	24.9	< 0.05	6.20	27	0.5	139	< 0.2	1.92	96000	6	14.6	171	28.0	< 1	92.1	8.3	42.1	< 0.5	32.8	< 0.01	< 0.05	2.0
1200N 6800E	1.39	13.5	0.18	1.22	11	0.7	26.8	1.6	0.39	96900	21	26.9	29.1	34.3	< 1	90.2	4.4	7.18	< 0.5	8.1	< 0.01	< 0.05	2.8
1200N 6900E	1.65	25.2	0.72	5.74	52	0.7	132	< 0.2	1.66	4920	5	22.1	166	27.1	< 1	82.6	8.0	41.4	< 0.5	5.8	< 0.01	< 0.05	2.4
1200N 7000E	1.67	9.06	0.44	2.92	24	0.6	69.7	11.1	0.81	193000	6	24.2	79.1	40.8	< 1	99.1	3.8	19.7	< 0.5	26.4	< 0.01	< 0.05	2.0
1200N 7100E	0.56	20.4	0.39	3.03	20	0.7	68.5	1.7	0.69	59500	16	25.1	71.4	32.5	< 1	64.8	6.4	18.7	< 0.5	10.0	< 0.01	< 0.05	2.3
1200N 7200E	1.00	18.0	0.82	1.85	14	0.7	56.0	3.9	0.50	94300	13	29.9	51.4	51.7	< 1	115	5.9	13.3	< 0.5	9.2	< 0.01	< 0.05	2.8
1200N 7300E	1.89	30.7	0.38	14.5	40	0.5	307	0.4	5.30	138000	24	27.4	383	38.7	< 1	95.2	10.9	89.1	< 0.5	10.5	0.21	< 0.05	2.9
1200N 7400E	0.84	22.4	0.42	5.49	22	0.6	153	< 0.2	1.71	38500	17	30.2	172	53.0	< 1	103	7.3	42.9	< 0.5	20.5	< 0.01	< 0.05	4.6
1200N 7500E	0.86	18.1	0.07	2.51	20	0.4	62.1	< 0.2	0.83	37300	16	12.2	71.4	17.9	< 1	43.9	6.2	18.1	< 0.5	63.2	< 0.01	< 0.05	2.7
1200N 7600E	0.85	29.1	0.10	4.25	36	0.4	83.3	< 0.2	1.39	45300	19	13.3	115	11.7	< 1	31.0	9.9	28.1	< 0.5	44.6	< 0.01	< 0.05	2.0
1200N 7700E	0.29	10.5	0.33	1.61	17	0.4	44.1	< 0.2	0.43	147000	20	12.1	44.8	36.9	< 1	39.4	4.5	11.5	< 0.5	24.7	< 0.01	< 0.05	1.3
1200N 7800E	0.76	18.5	0.51	3.83	32	0.5	92.8	< 0.2	1.04	146000	11	16.8	103	59.6	< 1	88.2	6.1	26.6	< 0.5	44.6	< 0.01	< 0.05	2.3
1200N 7900E	0.58	26.4	< 0.05	5.19	38	0.4	114	< 0.2	1.71	29000	5	13.9	147	19.3	< 1	124	9.1	36.5	< 0.5	37.0	< 0.01	< 0.05	2.7
1300N 6500E	0.80	17.1	< 0.05	14.2	36	< 0.1	387	2.5	5.16	11900	< 2	15.5	476	52.1	< 1	19.3	7.3	116	< 0.5	< 0.1	0.10	< 0.05	3.6
1300N 6600E	1.06	18.0	0.43	4.39	16	0.7	120	25.1	1.31	2160	4	40.8	130	33.1	< 1	122	5.4	33.6	< 0.5	33.3	< 0.01	< 0.05	3.6
1300N 6700E	2.09	21.4	0.33	2.73	20	0.5	70.1	< 0.2	0.87	92300	5	16.9	77.8	27.3	< 1	59.8	6.7	20.3	< 0.5	34.8	< 0.01	< 0.05	2.1
1300N 6800E	2.07	19.2	0.39	3.70	32	0.6	107	< 0.2	1.25	44500	5	18.6	116	23.1	< 1	152	5.8	29.2	< 0.5	29.0	< 0.01	< 0.05	2.6
1300N 6900E	2.59	23.5	0.28	5.51	52	0.2	132	< 0.2	2.10	47400	21	6.7	169	10.6	< 1	20.1	8.3	40.9	< 0.5	42.5	< 0.01	< 0.05	1.8
1300N 7000E	1.87	7.64	0.21	2.88	14	0.4	75.6	0.7	0.97	225000	10	14.7	84.5	33.6	< 1	49.6	2.9	21.0	< 0.5	19.3	< 0.01	< 0.05	1.0
1300N 7100E	2.08	15.0	0.47	5.59	25	0.4	127	< 0.2	1.84	219000	6	12.5	135	40.4	< 1	261	5.2	33.3	< 0.5	71.1	< 0.01	< 0.05	2.5
1300N 7200E	2.08	22.1	0.29	8.71	18	0.7	200	2.3	2.59	190000	100	27.5	237	73.2	< 1	209	6.9	56.1	< 0.5	24.1	< 0.01	< 0.05	2.8
1300N 7300E	2.38	15.7	< 0.05	2.06	20	0.4	72.3	< 0.2	0.64	111000	5	22.0	63.1	44.5	< 1	28.0	4.7	16.6	< 0.5	17.2	< 0.01	< 0.05	1.6
1300N 7400E	3.15	32.7	0.49	3.56	25	0.9	93.6	5.2	1.03	114000	36	38.6	102	35.8	< 1	72.1	10.5	26.2	< 0.5	18.8	< 0.01	< 0.05	2.3
1300N 7500E	3.00	21.4	0.18	3.68	19	0.6	106	< 0.2	1.10	67100	35	24.7	110	43.0	< 1	277	6.5	27.9	< 0.5	36.8	< 0.01	< 0.05	2.2
1300N 7600E	3.66	26.1	< 0.05	3.78	36	0.4	92.2	< 0.2	1.29	111000	8	13.7	108	21.4	< 1	42.1	8.8	27.0	< 0.5	61.5	< 0.01	< 0.05	1.4
1300N 7700E	3.50	21.9	0.36	4.64	27	1.0	119	3.5	1.33	14000	12	32.6	129	64.9	< 1	151	7.3	33.1	< 0.5	13.6	< 0.01	< 0.05	5.3
1300N 7800E	4.45	31.1	1.00	4.70	41	1.0	118	< 0.2	1.34	109000	39	30.0	131	59.8	< 1	149	9.6	32.4	< 0.5	32.7	< 0.01	< 0.05	2.8
1300N 7900E	4.01	21.0	< 0.05	3.85	49	0.3	97.3	< 0.2	1.27	60100	7	7.2	117	14.1	< 1	27.5	6.3	29.1	< 0.5	46.0	< 0.01	< 0.05	1.4
1400N 6500E	3.65	20.6	0.35	3.78	23	0.5	78.0	< 0.2	1.20	33800	9	12.2	96.0	25.0	< 1	53.9	6.5	23.5	< 0.5	18.0	< 0.01	< 0.05	1.6
1400N 6600E	3.48	19.8	0.10	3.20	16	0.4	67.3	< 0.2	0.98	21100	< 2	10.6	82.8	28.3	< 1	41.9	6.4	20.5	< 0.5	20.3	< 0.01	< 0.05	1.7
1400N 6700E	0.07	10.3	0.08	1.20	35	0.3	26.7	0.3	0.43	98200	17	14.1	30.0	11.9	< 1	28.2	3.6	7.65	< 0.5	47.2	< 0.01	< 0.05	2.5
1400N 6800E	< 0.05	16.6	1.24	3.52	37	0.3	72.3	< 0.2	1.26	58000	19	8.0	92.6	5.4	< 1	22.6	5.7	22.5	< 0.5	51.3	< 0.01	< 0.05	2.2
1400N 6900E	0.73	24.3	0.34	16.9	279	< 0.1	330	10.7	5.92	5320	15	13.6	449	49.2	< 1	91.4	10.5	98.9	< 0.5	7.4	0.03	< 0.05	5.4
1400N 7000E	0.08	22.1	< 0.05	4.60	30	0.5	91.8	0.7	1.32	91600	15	28.1	116	12.5	< 1	49.2	7.1	27.6	< 0.5	33.6	0.01	< 0.05	2.8
1400N 7100E	< 0.05	26.6	0.74	3.20	21	0.4	73.7	< 0.2	1.02	58200	20	17.3	91.8	4.5	< 1	23.6	9.0	22.9	< 0.5	33.8	0.01	< 0.05	2.1
1400N 7200E	< 0.05	17.1	0.46	3.73	26	0.3	129	5.3	1.29	179000	46	18.9	130	32.7	< 1	74.8	6.0	33.0	< 0.5	27.5	< 0.01	< 0.05	2.4
1400N 7300E	< 0.05	16.7	< 0.05	2.45	20	0.3	75.5	0.7	0.73	120000	39	16.8	74.9	19.3	< 1	58.2	5.5	19.8	< 0.5	19.8	< 0.01	< 0.05	1.8
1400N 7400E	< 0.05	10.4	0.53	2.57	23	0.6	69.5	1.2	0.72	78700	29	26.9	73.2	46.5	< 1	114	2.9	18.5	< 0.5	23.9	< 0.01	< 0.05	2.9
1400N 7500E	< 0.05	17.5	< 0.05	3.96	34	0.3	82.3	1.7	1.35	14500	20	9.4	102	26.8	< 1	72.4	5.8	24.3	< 0.5	26.8	0.03	< 0.05	2.2
1400N 7600E	< 0.05	9.50	0.53	1.43	11	0.4	49.5	0.5	0.43	89900	27	15.0	44.1	31.8	< 1	83.7	3.1	11.6	< 0.5	32.7	0.02	< 0.05	2.5
1400N 7700E	0.28	19.1	1.64	2.61	36	0.8	75.3	3.0	0.66	89300	18	32.5	73.5	54.0	< 1	148	5.7	18.8	< 0.5	49.0	< 0.01	< 0.05	2.7
1500N 6500E	< 0.05	14.0	0.26	3.95	33	0.2	95.5	< 0.2	1.29	62600	12	5.3	111	11.3	< 1	41.4	4.4	27.6	< 0.5	34.0	< 0.01	< 0.05	1.9
1500N 6600E	0.14	21.2	< 0.05	5.10	58	0.3	112	< 0.2	1.72	58100	23	7.2	143	2.3	< 1	24.0	7.5	35.3	< 0.5	43.1	0.01	< 0.05	1.6
1500N 6700E	1.61	16.7	0.36	3.81	51	0.3	118	2.6	1.22	34900	11	15.9	125	14.6	< 1	126	5.8	31.6	< 0.5	40.0	0.01	< 0.05	2.7

Analyte Symbol	Ge	Hf	Hg	Ho	I	In	La	Li	Lu	Mn	Mo	Nb	Nd	Ni	Os	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb
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	0.05	0.04	0.05	0.01	1	0.1	0.01	0.2	0.01	0.1	2	0.2	0.03	0.2	1	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
1500N 6800E	< 0.05	17.0	0.23	3.59	24	0.2	104	< 0.2	1.27	51000	15	8.1	119	3.3	< 1	33.4	5.9	29.1	< 0.5	76.6	< 0.01	< 0.05	1.8
1500N 6900E	< 0.05	10.7	0.30	1.36	16	0.3	37.2	< 0.2	0.44	120000	21	14.9	39.0	12.4	< 1	65.8	3.3	9.92	< 0.5	31.3	< 0.01	< 0.05	2.1
1500N 7000E	0.36	19.9	0.06	3.28	31	0.5	59.5	2.3	1.07	99300	16	22.3	73.4	19.5	< 1	56.1	6.6	18.5	< 0.5	27.0	< 0.01	< 0.05	2.5
1500N 7100E	< 0.05	17.1	< 0.05	2.75	21	0.3	71.1	< 0.2	1.04	51200	16	14.2	86.0	10.7	< 1	28.3	5.7	21.2	< 0.5	33.9	0.01	< 0.05	5.8
1500N 7200E	0.35	14.5	< 0.05	1.97	27	0.3	63.8	1.6	0.75	60700	13	16.1	69.6	10.6	< 1	29.8	4.3	18.1	< 0.5	25.6	< 0.01	< 0.05	2.0
1500N 7300E	0.26	16.1	0.81	3.63	33	0.3	104	3.0	1.09	104000	31	20.3	111	22.6	< 1	48.3	5.3	27.5	< 0.5	43.9	0.02	< 0.05	2.8
1500N 7400E	0.17	17.0	1.40	3.18	51	0.3	87.6	1.9	1.12	158000	30	9.0	100	13.7	< 1	33.8	5.8	25.5	< 0.5	69.2	< 0.01	< 0.05	2.2
1500N 7500E	< 0.05	9.10	0.05	4.50	29	0.4	71.1	1.7	1.63	48600	25	11.9	92.2	13.0	< 1	31.7	2.9	21.7	< 0.5	17.1	0.03	< 0.05	2.3
1500N 7600E	0.13	15.9	< 0.05	2.66	34	0.3	57.5	1.3	0.93	54600	16	9.6	75.8	11.1	< 1	56.5	5.3	19.0	< 0.5	31.7	< 0.01	< 0.05	1.8
1500N 7700E	1.14	18.6	< 0.05	12.7	29	0.7	357	8.5	3.50	39500	17	35.7	395	67.6	< 1	118	6.9	95.8	< 0.5	3.2	0.01	< 0.05	4.2
1600N 6500E	< 0.05	9.96	0.20	3.49	26	0.3	97.4	1.9	1.18	100000	11	5.3	107	26.5	< 1	57.2	3.1	26.4	< 0.5	71.2	< 0.01	< 0.05	1.7
1600N 6600E	< 0.05	12.9	0.53	7.27	23	0.2	165	1.4	2.50	38600	16	6.1	195	20.3	< 1	12.4	4.0	46.0	< 0.5	14.0	0.01	< 0.05	1.8
1600N 6700E	< 0.05	11.7	0.54	3.30	20	0.5	83.8	3.8	1.00	21000	20	18.7	90.0	58.6	< 1	90.3	3.3	22.4	< 0.5	17.6	0.02	< 0.05	1.9
1600N 6800E	0.23	21.0	< 0.05	2.83	22	0.4	82.0	3.1	1.03	60700	13	20.6	90.1	17.2	< 1	27.6	6.9	23.0	< 0.5	23.0	0.02	< 0.05	1.3
1600N 6900E	0.53	14.3	< 0.05	2.92	26	0.3	88.6	< 0.2	1.00	35500	11	11.6	102	18.8	< 1	21.4	4.8	25.0	< 0.5	42.3	< 0.01	< 0.05	2.1
1600N 7000E	0.59	22.6	0.92	2.91	29	0.3	85.6	< 0.2	0.95	68000	22	18.2	90.4	17.7	< 1	35.7	7.8	23.3	< 0.5	24.9	< 0.01	< 0.05	1.5
1600N 7100E	0.57	17.0	1.41	2.33	30	0.4	65.1	< 0.2	0.76	118000	13	19.6	70.8	34.0	< 1	73.5	6.5	18.5	< 0.5	69.6	< 0.01	< 0.05	2.1
1600N 7200E	0.70	15.3	0.94	3.11	29	0.2	110	< 0.2	0.99	20000	8	10.8	119	6.1	< 1	35.8	4.9	29.2	< 0.5	42.4	< 0.01	< 0.05	1.9
1600N 7300E	0.66	26.0	< 0.05	5.36	30	0.6	126	5.3	1.55	152000	15	28.7	154	40.7	< 1	79.0	9.6	37.6	< 0.5	24.1	0.01	< 0.05	2.4
1600N 7400E	0.59	16.5	0.26	5.72	35	0.5	144	2.3	1.97	95400	17	16.2	183	22.5	< 1	39.8	5.4	43.9	< 0.5	36.0	0.03	< 0.05	1.8
1600N 7500E	0.25	11.0	< 0.05	1.83	13	0.4	58.2	0.5	0.51	120000	22	15.6	55.5	32.0	< 1	34.7	3.3	14.2	< 0.5	8.1	< 0.01	< 0.05	2.1
1600N 7600E	0.26	17.0	< 0.05	1.75	33	0.5	46.8	< 0.2	0.49	30100	27	15.3	50.7	14.7	< 1	45.7	5.4	13.2	< 0.5	18.6	0.02	< 0.05	2.3
1600N 7700E	1.04	21.3	0.60	4.96	42	0.5	102	0.4	1.66	73200	18	20.8	132	31.7	< 1	57.0	7.8	32.0	< 0.5	34.8	0.02	< 0.05	3.0
1700N 6500E	1.16	13.8	< 0.05	2.72	40	0.4	58.0	1.5	0.94	9070	10	10.1	75.4	17.0	< 1	28.3	4.6	18.3	< 0.5	23.4	< 0.01	< 0.05	2.5
1700N 6600E	0.57	4.32	0.45	0.76	11	0.1	20.3	0.8	0.27	23100	6	4.9	20.5	16.1	< 1	42.1	1.5	5.18	< 0.5	32.2	< 0.01	< 0.05	1.2
1700N 6700E	0.31	2.01	0.08	1.24	17	0.5	21.8	15.6	0.46	113000	39	3.4	25.7	32.2	< 1	288	1.7	5.92	< 0.5	74.6	0.01	< 0.05	1.6
1700N 6800E	1.44	12.8	1.35	21.0	79	0.1	425	7.8	7.67	18200	17	9.8	524	57.9	< 1	26.1	5.1	113	< 0.5	5.9	0.02	< 0.05	2.6
1700N 6900E	0.78	13.8	< 0.05	1.84	19	0.2	60.1	1.4	0.60	106000	15	11.3	60.3	16.3	< 1	42.3	4.1	16.1	< 0.5	27.7	< 0.01	< 0.05	1.7
1700N 7000E	1.09	24.4	0.11	4.17	35	0.4	105	1.3	1.42	82000	18	18.5	121	22.0	< 1	57.2	8.7	30.0	< 0.5	44.1	< 0.01	< 0.05	2.3
1700N 7100E	0.16	12.1	1.07	3.86	30	0.2	94.5	1.2	1.38	34100	18	9.4	105	37.6	< 1	17.0	4.2	25.0	< 0.5	21.0	0.08	< 0.05	2.4
1700N 7200E	0.73	10.9	0.11	3.25	44	0.2	92.1	0.2	1.03	35700	9	6.5	118	13.8	< 1	29.4	3.2	29.2	< 0.5	40.0	< 0.01	< 0.05	1.9
1700N 7300E	0.73	15.2	< 0.05	3.62	50	0.2	134	< 0.2	1.13	31400	23	5.9	147	12.6	< 1	26.5	5.0	37.0	< 0.5	50.6	< 0.01	< 0.05	1.9
1700N 7400E	0.55	36.4	1.06	7.22	58	0.7	152	4.0	2.48	73100	15	33.7	195	47.3	< 1	53.1	12.9	45.1	< 0.5	56.0	0.02	< 0.05	2.6
1700N 7500E	0.07	20.6	< 0.05	3.32	34	0.4	88.1	0.6	1.08	154000	31	18.9	103	18.7	< 1	39.5	7.1	25.5	< 0.5	49.8	< 0.01	< 0.05	2.5
1700N 7600E	0.47	25.5	1.12	6.35	47	0.8	150	4.4	1.98	140000	32	31.9	183	34.0	< 1	107	9.1	45.3	< 0.5	29.3	< 0.01	< 0.05	1.9
1700N 7700E	< 0.05	9.81	< 0.05	2.01	32	0.5	55.7	2.9	0.66	99800	18	20.7	54.4	29.8	< 1	34.8	2.9	13.6	< 0.5	11.0	< 0.01	< 0.05	2.5
1800N 6500E	0.65	19.2	< 0.05	13.9	17	0.3	235	1.4	5.21	45800	11	7.6	329	17.8	< 1	23.8	7.6	73.1	< 0.5	43.7	< 0.01	< 0.05	1.6
1800N 6600E	0.59	18.6	0.32	3.66	26	0.3	81.1	0.6	1.37	45000	13	10.3	99.7	13.1	< 1	32.8	6.2	24.8	< 0.5	28.3	0.01	< 0.05	1.8
1800N 6700E	< 0.05	9.34	< 0.05	2.00	19	0.4	64.8	4.8	0.68	189000	33	15.2	61.7	55.8	< 1	79.8	3.1	16.0	< 0.5	12.1	0.01	< 0.05	2.2
1800N 6800E	0.29	12.2	0.92	3.07	26	0.5	66.0	9.1	1.06	81200	23	20.9	84.3	41.4	< 1	255	4.0	20.0	< 0.5	21.3	< 0.01	< 0.05	1.9
1800N 6900E	0.25	8.53	< 0.05	1.03	22	0.3	31.5	4.2	0.39	49000	10	15.2	34.5	17.5	< 1	22.8	2.7	9.00	< 0.5	31.9	< 0.01	< 0.05	1.8
1800N 7000E	0.34	10.3	< 0.05	1.80	29	0.3	57.8	0.8	0.55	114000	22	11.1	59.3	23.9	< 1	39.0	3.2	15.0	< 0.5	37.1	0.01	< 0.05	1.4
1800N 7100E	0.58	14.6	< 0.05	4.46	40	0.4	90.7	0.3	1.46	19800	20	12.2	123	30.1	< 1	27.8	4.8	29.5	< 0.5	29.7	< 0.01	< 0.05	2.4
1800N 7200E	0.40	10.4	0.56	1.58	41	0.4	43.5	2.3	0.50	116000	15	12.1	48.5	25.4	< 1	37.2	3.1	11.6	< 0.5	40.2	< 0.01	< 0.05	2.5
1800N 7300E	0.91	19.1	1.77	3.52	74	0.5	76.4	1.3	1.06	145000	19	15.0	89.6	46.2	< 1	82.4	6.9	22.4	< 0.5	34.4	< 0.01	< 0.05	2.7
1800N 7400E	0.66	12.5	< 0.05	1.11	17	0.6	44.6	9.0	0.26	118000	28	24.9	34.8	41.1	< 1	99.2	3.7	9.57	< 0.5	6.6	0.01	< 0.05	2.0
1800N 7500E	0.79	10.3	< 0.05	1.59	35	0.2	39.3	0.4	0.58	63000	32	11.2	45.3	28.4	< 1	18.2	3.2	11.5	< 0.5	41.0	0.02	< 0.05	2.2
1800N 7600E	1.24	16.9	1.10	3.06	28	0.7	83.7	8.1	0.89	77300	21	25.6	87.2	47.0	< 1	79.6	5.3	22.2	< 0.5	16.1	< 0.01	< 0.05	2.6
1800N 7700E	0.90	14.7	< 0.05	1.83	34	0.3	58.4	0.9	0.57	116000	24	16.5	63.0	19.0	< 1	22.0	4.0	16.2	< 0.5	33.3	0.02	< 0.05	2.4
1900N 6500E	0.29	13.8	1.25	1.10	18	0.6	24.4	2.1	0.35	208000	30	18.3	25.8	42.3	< 1	122	4.7	6.50	< 0.5	67.8	< 0.01	< 0.05	1.5

Analyte Symbol	Ge	Hf	Hg	Ho	I	In	La	Li	Lu	Mn	Mo	Nb	Nd	Ni	Os	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb
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	0.05	0.04	0.05	0.01	1	0.1	0.01	0.2	0.01	0.1	2	0.2	0.03	0.2	1	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
1900N 6600E	0.07	5.30	0.43	2.19	17	0.2	53.6	2.0	0.76	18200	16	5.2	60.7	34.6	< 1	42.0	1.8	14.8	< 0.5	14.7	0.01	< 0.05	1.7
1900N 6700E	1.11	13.1	< 0.05	8.75	10	0.2	268	4.6	2.72	174000	34	7.7	282	34.3	< 1	31.3	4.9	68.9	< 0.5	22.9	0.02	< 0.05	1.5
1900N 6800E	1.25	9.99	0.16	1.35	14	0.2	49.6	0.8	0.42	123000	15	8.4	49.5	29.9	< 1	23.2	3.1	12.7	< 0.5	40.3	< 0.01	< 0.05	1.5
1900N 6900E	1.51	18.3	0.94	2.78	28	0.2	86.4	0.2	0.99	57800	14	9.6	93.9	21.6	< 1	15.1	6.0	23.4	< 0.5	36.8	< 0.01	< 0.05	1.2
1900N 7000E	1.29	14.7	< 0.05	2.45	43	0.3	67.8	< 0.2	0.76	44800	13	7.6	76.6	27.6	< 1	29.4	4.9	19.3	< 0.5	51.3	< 0.01	< 0.05	1.7
1900N 7100E	0.94	10.0	< 0.05	1.95	31	0.5	60.3	2.1	0.61	200000	20	11.9	61.6	43.2	< 1	65.0	3.3	16.0	< 0.5	66.4	0.02	< 0.05	1.8
1900N 7200E	0.72	14.8	0.27	3.99	33	0.4	94.9	0.6	1.33	81100	13	11.0	111	36.5	< 1	79.3	4.7	27.6	< 0.5	49.8	0.03	< 0.05	2.2
1900N 7300E	1.17	15.9	1.21	2.88	36	0.8	74.7	5.5	0.77	59700	31	31.6	79.3	52.6	< 1	115	5.4	20.1	< 0.5	20.0	< 0.01	< 0.05	2.4
1900N 7400E	0.68	11.5	0.57	2.19	30	0.3	76.2	0.9	0.62	171000	17	12.1	70.3	35.1	< 1	52.3	3.4	17.8	< 0.5	23.9	0.02	< 0.05	1.8
1900N 7500E	1.58	14.2	0.59	2.64	38	0.4	73.6	0.8	0.83	144000	18	16.0	81.0	45.5	< 1	65.4	4.9	20.3	< 0.5	41.1	0.02	< 0.05	2.6
1900N 7600E	0.68	11.4	0.41	2.61	28	0.5	63.1	2.2	0.76	95400	15	13.0	70.4	35.9	< 1	38.4	3.5	17.2	< 0.5	14.6	< 0.01	< 0.05	2.7
1900N 7700E	0.71	10.3	1.06	1.65	45	0.4	47.6	< 0.2	0.50	169000	16	17.4	54.8	73.1	< 1	53.2	4.0	13.6	< 0.5	37.2	< 0.01	< 0.05	1.6

Analyte Symbol	Sc	Se	Sm	Sr	Ta	Tb	Te	Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr	Ag	Al	As	Au	Ba	Be
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Lower Limit	0.5	1	0.03	0.1	0.01	0.01	1	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2	0.5	0.2	0.5	0.5	0.05	1	0.07
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
600N 7200E	92.3	10	32.8	293	1.58	5.45	< 1	54.1	0.3	1.69	22.8	362	3.86	125	10.8	2020	804	5.9	72.8	19.4	< 0.05	556	3.94
600N 7300E	76.5	9	24.7	229	1.59	3.95	< 1	51.6	< 0.2	1.30	17.8	275	3.21	88.7	8.11	694	1010	9.2	97.1	26.2	< 0.05	184	4.12
600N 7400E	76.2	11	24.8	515	1.83	3.56	< 1	48.7	< 0.2	1.20	12.1	183	2.33	82.9	7.85	500	795	6.3	108	38.1	< 0.05	183	4.34
600N 7500E	119	8	29.7	1150	0.93	4.73	< 1	44.7	0.6	1.60	21.2	178	2.56	126	10.2	999	718	9.1	51.0	31.5	< 0.05	404	2.64
600N 7600E	49.5	4	10.6	737	1.40	1.71	< 1	25.7	0.6	0.57	12.2	244	3.38	48.2	3.60	1050	227	7.3	47.0	27.3	< 0.05	192	1.57
600N 7700E	133	8	26.5	983	1.08	4.17	< 1	54.6	< 0.2	1.25	23.0	237	3.61	105	7.52	1800	666	15.3	59.9	32.3	< 0.05	492	3.48
600N 7800E	115	7	11.3	557	0.88	1.84	< 1	31.5	0.5	0.61	10.4	252	4.81	44.9	3.63	2640	499	3.5	89.0	32.0	< 0.05	383	3.45
600N 7900E	214	23	67.8	973	0.55	10.5	< 1	50.3	0.2	3.99	29.0	337	2.31	320	26.1	383	739	13.1	36.6	37.7	0.16	316	1.86
700N 7200E	132	9	32.5	351	0.66	4.98	< 1	41.2	0.6	1.84	24.0	204	2.26	145	12.9	331	800	10.3	43.8	12.2	< 0.05	104	2.11
700N 7300E	46.5	3	15.9	840	0.69	2.32	< 1	22.0	0.6	0.74	15.4	119	2.00	58.3	5.11	937	301	9.8	29.9	16.7	< 0.05	214	0.87
700N 7400E	53.4	< 1	13.8	746	1.06	2.18	< 1	29.2	0.3	0.68	7.90	150	1.53	56.9	4.29	870	316	5.0	56.0	24.2	< 0.05	267	2.32
700N 7500E	131	34	80.5	1980	0.69	12.0	< 1	45.4	< 0.2	4.31	24.6	197	3.83	414	28.9	312	806	20.0	25.1	16.9	0.15	254	0.28
700N 7600E	124	9	27.8	1050	0.73	4.56	< 1	47.6	< 0.2	1.34	20.2	193	2.63	107	7.99	1700	525	13.4	57.3	31.1	0.18	503	3.83
700N 7700E	123	7	31.2	940	0.58	4.65	< 1	30.0	0.8	1.73	20.6	120	2.79	142	11.0	618	541	12.3	37.8	17.1	< 0.05	260	1.49
700N 7800E	157	10	38.2	1050	0.69	6.28	< 1	47.7	0.8	2.00	21.2	228	3.50	161	13.3	2100	627	5.5	48.6	28.0	< 0.05	262	2.79
700N 7900E	131	7	28.6	368	0.63	4.36	< 1	40.2	0.3	1.55	19.2	196	2.36	109	10.3	359	730	7.5	65.9	29.2	< 0.05	198	3.43
800N 7200E	200	8	35.0	477	0.75	5.59	< 1	36.6	0.2	2.03	15.7	131	1.39	172	14.0	208	732	17.8	48.2	17.6	0.85	259	2.67
800N 7300E	115	19	55.3	1290	1.66	8.39	< 1	61.6	< 0.2	2.69	17.6	303	1.57	208	16.9	188	558	9.4	63.4	17.0	0.06	98	3.52
800N 7400E	105	7	28.2	1650	0.63	4.38	< 1	37.3	0.5	1.42	24.2	188	3.41	114	9.07	973	581	9.5	37.9	32.3	< 0.05	366	1.24
800N 7500E	39.2	< 1	11.3	438	0.32	1.54	< 1	17.8	0.9	0.48	8.64	123	0.84	38.3	3.09	199	225	2.8	29.0	10.5	< 0.05	79	1.01
800N 7600E	99.2	8	25.6	482	1.15	3.99	< 1	51.8	0.4	1.36	21.3	227	4.79	98.1	8.39	2610	767	8.5	76.4	35.7	< 0.05	365	4.22
800N 7700E	136	10	38.4	719	0.83	6.33	< 1	56.0	< 0.2	2.07	19.5	328	4.92	156	12.0	1260	750	5.2	98.3	46.3	< 0.05	562	7.10
800N 7800E	148	12	55.9	1180	0.73	8.81	< 1	38.0	0.8	3.26	31.6	181	2.86	279	21.5	537	678	14.1	43.1	28.8	0.10	180	2.14
800N 7900E	170	12	56.7	897	0.64	8.83	< 1	45.7	0.3	3.15	22.1	198	2.88	254	19.7	1830	616	6.2	39.8	19.7	< 0.05	304	3.37
900N 7100E	76.8	3	9.63	1110	0.26	1.65	< 1	15.6	< 0.2	0.49	6.65	96	2.10	39.5	3.19	1560	65.2	11.1	18.0	16.1	0.10	450	0.87
900N 7200E	83.7	2	15.1	255	0.71	2.22	< 1	31.7	0.3	0.83	13.3	160	2.50	54.3	5.25	490	629	5.9	46.6	12.4	< 0.05	158	2.33
900N 7300E	88.5	3	19.6	704	0.68	3.10	< 1	35.4	0.3	1.04	15.1	198	3.99	77.8	6.27	992	527	4.1	64.5	18.4	< 0.05	187	3.33
900N 7400E	50.2	< 1	14.0	859	0.49	1.97	< 1	17.0	0.6	0.67	11.3	90	1.44	59.7	4.57	410	258	7.6	32.1	12.8	< 0.05	67	0.90
900N 7500E	70.3	6	14.6	1200	0.68	2.34	< 1	24.9	0.4	0.65	14.9	148	1.61	61.0	4.27	880	158	9.5	32.1	11.4	< 0.05	216	1.68
900N 7600E	96.0	8	30.8	545	1.04	5.14	< 1	56.6	0.5	1.66	23.6	267	4.18	130	9.81	2710	787	7.6	89.9	39.0	< 0.05	292	5.11
900N 7700E	186	14	69.8	1250	0.60	11.2	< 1	56.6	0.3	3.64	30.2	190	2.87	315	22.1	1810	667	8.9	47.5	53.5	< 0.05	384	4.46
900N 7800E	59.9	3	15.9	1130	0.99	2.48	< 1	29.7	0.2	0.83	12.4	140	2.44	60.5	5.67	217	443	6.6	55.4	18.6	< 0.05	148	2.03
900N 7900E	79.3	9	26.3	451	1.06	4.36	< 1	37.2	< 0.2	1.61	18.1	174	3.71	119	10.4	501	596	4.4	74.5	24.4	< 0.05	176	3.63
1000N 6900E	85.1	2	24.2	602	0.28	3.70	< 1	31.5	< 0.2	1.31	16.7	182	1.81	98.6	8.38	147	694	5.3	37.9	11.7	< 0.05	152	2.05
1000N 7000E	88.5	2	17.2	429	1.21	2.80	< 1	46.5	< 0.2	0.97	20.5	161	2.76	69.7	6.43	857	812	12.5	80.1	23.7	0.19	281	4.81
1000N 7100E	275	25	129	1350	0.47	24.6	< 1	52.6	< 0.2	10.2	16.7	223	5.39	944	66.3	1060	499	155	16.9	21.4	66.6	939	0.26
1000N 7200E	143	20	57.8	1590	0.39	8.87	< 1	46.7	< 0.2	3.15	30.0	284	2.98	258	19.2	500	583	14.0	40.5	20.9	0.33	385	2.90
1000N 7300E	108	8	36.4	939	0.78	5.40	< 1	46.8	< 0.2	1.98	24.3	221	3.48	152	12.8	209	831	10.3	66.9	23.8	< 0.05	194	3.25
1000N 7400E	97.8	7	24.4	417	0.96	3.82	< 1	51.9	0.2	1.30	18.6	230	3.02	98.5	8.29	651	796	7.5	91.8	29.8	< 0.05	248	4.54
1000N 7500E	45.0	< 1	10.6	254	0.21	1.51	< 1	20.1	1.0	0.49	12.2	98	0.79	39.1	3.07	248	248	4.0	52.1	21.1	< 0.05	97	2.09
1000N 7600E	80.5	10	27.6	597	0.45	4.24	< 1	36.0	0.7	1.33	20.0	159	1.99	111	8.09	1090	486	7.1	68.7	44.3	< 0.05	186	4.09
1000N 7700E	95.7	12	21.7	1160	0.84	3.49	< 1	43.6	< 0.2	1.07	20.4	229	3.63	90.7	6.34	1480	451	10.3	56.9	34.4	< 0.05	384	4.02
1000N 7800E	65.5	3	12.9	950	1.14	2.12	< 1	31.3	< 0.2	0.66	18.7	208	4.16	53.7	4.08	1650	352	4.4	56.4	29.6	< 0.05	334	3.38
1000N 7900E	109	7	17.5	620	0.57	2.78	< 1	36.9	< 0.2	0.78	17.0	315	5.54	64.8	4.44	1360	353	3.7	57.7	21.9	< 0.05	232	4.36
1100N 6800E	103	2	18.2	354	1.08	3.01	< 1	52.5	0.2	1.07	21.1	258	3.49	67.8	6.63	332	899	6.8	75.4	24.4	< 0.05	210	4.79
1100N 6900E	59.7	1	16.5	520	0.78	2.51	< 1	30.1	0.4	0.90	15.2	283	2.68	62.4	5.40	496	530	7.3	58.0	13.0	< 0.05	140	2.86
1100N 7000E	151	3	32.9	986	0.81	5.27	< 1	44.0	< 0.2	1.97	24.0	185	2.19	149	12.4	449	707	22.6	48.5	16.5	0.21	489	2.52
1100N 7100E	108	4	30.4	493	0.58	4.61	< 1	32.0	0.6	1.57	23.1	164	2.95	122	10.7	186	759	10.0	51.2	12.6	< 0.05	322	2.87
1100N 7200E	228	21	78.6	2150	0.04	11.5	< 1	35.4	0.3	4.85	18.0	151	1.54	497	32.1	220	238	10.8	29.3	33.2	0.06	182	0.19
1100N 7300E	142	6	36.5	977	0.74	5.81	< 1	48.4	0.4	2.14	23.1	231	2.62	153	13.7	162	959	13.9	61.2	18.4	0.29	384	4.21

Analyte Symbol	Sc	Se	Sm	Sr	Ta	Tb	Te	Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr	Ag	Al	As	Au	Ba	Be
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Lower Limit	0.5	1	0.03	0.1	0.01	0.01	1	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2	0.5	0.2	0.5	0.5	0.05	1	0.07
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
1100N 7400E	86.2	8	23.9	1060	0.89	3.77	< 1	37.7	< 0.2	1.22	15.4	206	2.14	91.3	7.73	269	599	7.2	66.2	15.2	< 0.05	344	4.24
1100N 7500E	195	20	55.0	628	0.86	8.33	< 1	72.0	0.6	2.95	31.9	176	2.64	225	18.4	216	1290	9.5	87.7	35.8	< 0.05	257	7.17
1100N 7600E	133	4	16.0	1630	0.24	2.51	< 1	28.5	< 0.2	0.76	12.1	215	4.52	65.4	4.14	2170	237	4.6	28.8	24.3	< 0.05	664	2.45
1100N 7700E	103	5	25.4	871	0.93	3.88	< 1	47.3	0.6	1.21	26.6	150	3.49	95.3	7.19	1640	629	7.1	65.8	33.9	< 0.05	462	4.20
1100N 7800E	111	4	33.1	1460	0.39	5.07	< 1	38.6	0.3	1.59	20.0	177	1.86	137	10.3	530	378	7.8	35.9	17.8	< 0.05	454	2.73
1100N 7900E	158	6	38.1	743	0.96	6.19	< 1	73.5	0.2	2.06	30.0	225	4.15	153	13.2	787	970	5.9	73.8	28.0	< 0.05	508	6.67
1200N 6700E	121	4	41.4	434	0.72	6.18	< 1	46.7	< 0.2	2.28	23.4	233	3.23	161	14.2	289	826	7.1	66.7	14.6	< 0.05	261	4.85
1200N 6800E	87.6	< 1	7.79	1140	1.13	1.21	< 1	25.7	< 0.2	0.46	9.92	344	2.33	32.4	2.90	445	401	4.6	53.1	17.9	< 0.05	581	3.71
1200N 6900E	100.0	13	40.3	504	1.02	6.04	< 1	51.6	< 0.2	2.07	24.0	433	4.20	139	13.2	324	819	8.2	85.4	16.7	< 0.05	360	6.56
1200N 7000E	94.8	2	19.6	572	0.96	3.15	< 1	35.8	< 0.2	0.98	11.3	293	3.58	73.7	6.45	1480	260	8.6	77.7	20.4	< 0.05	429	5.59
1200N 7100E	108	1	19.0	431	0.80	3.05	< 1	44.2	< 0.2	0.92	16.7	186	3.43	69.1	5.86	840	624	7.3	69.2	25.2	< 0.05	316	6.04
1200N 7200E	93.4	5	12.1	710	1.05	1.95	< 1	38.4	< 0.2	0.64	13.9	223	3.92	44.9	3.43	1570	494	6.2	61.1	31.7	< 0.05	467	4.86
1200N 7300E	167	41	93.5	2300	0.73	13.6	< 1	63.3	0.4	5.35	32.8	350	3.68	479	35.1	1280	997	15.0	48.9	22.1	0.20	1220	4.84
1200N 7400E	108	32	39.3	1670	1.04	5.95	1	53.3	0.6	2.08	21.3	543	4.13	144	12.3	1760	697	6.2	65.2	28.9	< 0.05	806	5.75
1200N 7500E	64.2	7	16.7	618	0.61	2.60	< 1	32.2	0.4	0.90	16.6	245	2.80	72.8	5.96	1050	612	8.6	72.3	15.1	< 0.05	320	4.41
1200N 7600E	102	4	28.7	369	0.67	4.13	< 1	57.5	0.6	1.60	25.7	259	3.40	108	10.7	782	946	7.7	87.8	19.6	< 0.05	303	7.14
1200N 7700E	63.2	1	10.4	751	0.55	1.70	< 1	22.7	< 0.2	0.56	9.00	181	2.46	44.6	3.53	883	270	6.6	61.9	25.2	< 0.05	329	2.82
1200N 7800E	75.2	6	23.9	396	0.80	3.91	< 1	46.0	0.5	1.25	21.8	248	3.48	93.4	8.12	2190	580	8.6	76.6	19.9	< 0.05	249	4.36
1200N 7900E	145	11	34.6	1040	0.77	5.32	1	43.1	1.6	1.96	29.3	176	4.44	146	13.0	2450	904	18.4	57.1	30.3	< 0.05	450	4.47
1300N 6500E	80.0	28	111	2260	0.48	14.9	< 1	36.7	0.3	5.29	47.4	737	3.65	461	35.3	873	715	6.7	16.1	17.0	< 0.05	639	0.26
1300N 6600E	78.5	9	30.7	765	1.30	4.60	2	42.5	1.1	1.49	11.4	470	2.90	107	9.53	2870	522	4.9	89.7	22.7	< 0.05	365	8.86
1300N 6700E	89.5	< 1	17.8	492	0.94	2.87	< 1	38.2	0.2	1.02	14.8	183	2.23	72.5	6.18	285	708	5.9	51.3	8.4	< 0.05	186	3.02
1300N 6800E	97.2	6	27.0	194	1.03	3.83	< 1	40.9	< 0.2	1.41	15.5	265	1.71	95.6	8.67	355	595	6.9	54.4	8.9	< 0.05	191	4.81
1300N 6900E	115	8	38.7	582	0.31	5.70	< 1	35.3	0.5	2.17	26.3	217	3.00	165	14.0	145	809	17.7	42.4	6.8	0.38	221	2.94
1300N 7000E	93.9	< 1	20.5	885	0.62	3.19	< 1	27.8	< 0.2	1.00	9.95	117	3.01	77.4	6.57	730	199	8.1	44.3	12.1	0.10	713	3.62
1300N 7100E	82.3	3	33.6	920	0.58	5.95	< 1	33.1	0.3	2.01	12.1	104	2.02	162	12.7	1210	434	8.4	37.7	7.0	0.09	543	2.22
1300N 7200E	143	26	55.9	1910	0.72	8.99	< 1	50.8	< 0.2	3.02	43.3	267	5.20	253	19.0	1010	611	9.8	47.9	20.5	0.25	1280	3.91
1300N 7300E	70.1	< 1	13.8	1540	0.90	2.09	< 1	35.1	< 0.2	0.69	14.3	162	1.94	57.1	4.30	414	443	5.2	38.1	7.1	< 0.05	734	2.68
1300N 7400E	94.1	14	24.0	640	1.24	3.73	< 1	61.5	< 0.2	1.23	25.2	262	6.44	89.0	7.84	681	1050	8.1	92.6	20.1	< 0.05	878	7.12
1300N 7500E	69.0	13	25.8	879	1.17	3.95	< 1	43.6	< 0.2	1.29	18.0	374	3.58	96.7	8.03	474	635	4.8	75.8	16.3	< 0.05	224	5.96
1300N 7600E	105	8	25.7	545	0.73	3.99	< 1	48.2	0.6	1.42	21.3	217	2.92	104	8.94	270	857	8.5	63.4	19.8	< 0.05	314	4.56
1300N 7700E	104	22	30.4	397	0.88	4.88	< 1	54.2	< 0.2	1.55	22.9	701	3.52	119	9.65	1710	726	7.1	139	44.3	< 0.05	685	12.5
1300N 7800E	82.4	11	30.9	475	1.32	4.97	< 1	65.2	< 0.2	1.63	26.0	444	5.45	114	10.1	1030	988	8.4	81.9	20.1	< 0.05	396	6.75
1300N 7900E	75.0	20	27.5	425	0.36	4.01	< 1	37.6	0.6	1.37	25.5	146	2.25	104	8.89	266	643	9.2	50.3	20.2	< 0.05	325	4.24
1400N 6500E	84.1	2	24.5	164	0.53	3.86	< 1	39.4	< 0.2	1.37	16.7	235	2.03	90.9	8.71	129	681	4.4	43.6	13.9	< 0.05	238	3.30
1400N 6600E	85.2	3	21.0	133	0.50	3.39	< 1	35.3	< 0.2	1.14	14.9	232	1.90	76.6	7.55	202	688	4.1	35.8	11.5	< 0.05	184	2.76
1400N 6700E	66.7	3	7.21	166	0.71	1.12	< 1	21.4	1.0	0.46	10.8	213	2.78	29.6	3.24	215	341	5.1	58.7	26.0	< 0.05	96	2.60
1400N 6800E	134	6	23.3	178	0.37	3.58	< 1	32.4	0.9	1.36	22.7	156	2.85	94.9	8.83	102	572	9.7	51.9	15.1	0.21	108	3.04
1400N 6900E	91.1	54	108	3030	0.30	16.3	< 1	64.6	0.2	6.30	15.4	331	4.90	476	40.5	361	1020	30.7	11.6	28.6	1.11	2180	0.35
1400N 7000E	96.3	4	29.2	294	0.99	4.77	< 1	55.8	0.4	1.61	17.9	208	5.46	111	10.2	316	736	6.3	89.5	15.5	< 0.05	643	6.66
1400N 7100E	105	3	21.3	212	0.80	3.31	< 1	52.3	0.5	1.24	22.1	154	3.48	84.1	8.12	88	934	8.9	79.4	10.1	< 0.05	278	5.05
1400N 7200E	100	2	27.3	954	0.71	4.11	< 1	42.5	0.5	1.43	24.8	130	4.28	114	8.94	1210	459	14.8	40.3	12.9	< 0.05	355	1.64
1400N 7300E	76.4	3	17.4	632	0.59	2.58	< 1	37.0	0.3	0.84	18.2	155	3.27	69.0	5.42	372	487	7.4	50.0	16.4	< 0.05	356	3.31
1400N 7400E	51.6	4	17.6	565	1.09	2.63	< 1	35.5	< 0.2	0.95	15.1	295	11.0	66.0	5.60	284	280	4.7	69.9	9.8	< 0.05	298	4.38
1400N 7500E	89.8	17	25.1	421	0.41	3.79	< 1	41.6	< 0.2	1.47	21.1	265	2.48	102	10.1	140	543	9.4	64.8	12.5	0.16	199	5.36
1400N 7600E	63.4	3	10.1	852	0.43	1.56	< 1	26.9	< 0.2	0.51	9.78	195	2.31	38.2	3.28	758	251	5.4	45.4	9.5	< 0.05	416	3.58
1400N 7700E	69.8	9	17.6	317	1.14	2.81	< 1	58.7	0.3	0.89	18.5	531	4.80	60.5	5.46	506	560	5.5	104	21.9	< 0.05	259	8.15
1500N 6500E	95.5	4	25.8	293	0.16	4.20	< 1	31.9	0.6	1.41	18.8	134	2.17	105	9.47	186	465	6.3	38.0	9.1	0.06	77	2.69
1500N 6600E	176	7	35.4	322	0.31	5.13	< 1	44.1	1.1	2.02	31.2	234	3.64	140	13.1	66	765	9.1	53.8	13.7	0.11	168	4.90
1500N 6700E	166	5	28.5	122	0.86	4.09	< 1	45.5	0.6	1.40	22.9	288	2.59	89.2	8.94	164	561	3.0	41.7	10.5	< 0.05	190	2.10

Analyte Symbol	Sc	Se	Sm	Sr	Ta	Tb	Te	Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr	Ag	Al	As	Au	Ba	Be
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Lower Limit	0.5	1	0.03	0.1	0.01	0.01	1	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2	0.5	0.2	0.5	0.5	0.05	1	0.07
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
1500N 6800E	75.4	5	26.2	555	0.28	3.64	< 1	27.7	0.6	1.40	20.9	133	2.92	99.9	9.09	102	623	9.1	34.0	7.8	0.07	171	1.61
1500N 6900E	45.7	< 1	8.86	486	0.74	1.34	< 1	24.8	0.5	0.51	11.9	171	3.20	34.4	3.34	470	289	6.9	32.8	0.8	< 0.05	203	1.49
1500N 7000E	104	5	18.8	295	1.01	3.14	< 1	52.1	0.3	1.25	20.6	247	3.31	75.6	7.98	444	672	7.2	67.2	12.9	0.08	224	3.78
1500N 7100E	89.4	4	19.8	392	0.65	2.93	< 1	40.4	0.3	1.12	17.7	149	3.57	78.8	7.35	190	593	8.5	59.3	11.5	0.06	209	4.14
1500N 7200E	61.4	3	15.3	407	0.69	2.15	< 1	36.2	0.7	0.78	16.4	164	3.19	57.6	5.10	63	458	5.6	65.9	6.8	< 0.05	269	4.33
1500N 7300E	80.7	4	26.2	913	0.65	3.69	< 1	38.3	0.4	1.32	22.9	172	4.48	106	8.50	552	467	13.7	42.8	16.9	0.06	408	2.03
1500N 7400E	77.7	4	22.8	545	0.33	3.35	< 1	32.6	0.7	1.26	22.0	181	3.43	97.4	7.90	224	537	12.5	51.0	9.5	0.08	248	2.44
1500N 7500E	79.6	5	24.5	398	0.56	4.12	< 1	27.0	< 0.2	1.78	16.2	103	3.36	117	11.4	226	251	13.3	63.5	5.1	5.22	232	4.51
1500N 7600E	81.0	4	18.0	281	0.47	2.75	< 1	36.9	0.5	1.01	18.7	192	2.82	68.7	6.98	239	527	7.1	61.0	7.7	< 0.05	191	4.24
1500N 7700E	174	23	91.2	1150	0.88	13.4	< 1	92.5	< 0.2	4.28	15.2	614	3.66	366	26.5	495	648	5.5	118	25.7	< 0.05	700	17.7
1600N 6500E	69.8	2	24.4	376	0.17	3.61	< 1	29.5	0.7	1.21	18.4	150	2.04	95.5	8.25	1120	306	5.6	39.1	6.8	< 0.05	180	2.97
1600N 6600E	141	6	46.0	765	0.14	7.02	< 1	28.5	0.4	2.63	21.3	169	6.07	205	17.7	145	383	12.4	27.3	12.0	1.20	336	1.69
1600N 6700E	78.0	6	22.0	947	0.74	3.39	< 1	42.1	< 0.2	1.17	11.6	377	3.10	79.9	7.78	334	315	4.1	37.4	12.3	< 0.05	306	3.31
1600N 6800E	85.7	4	20.1	669	0.72	2.87	< 1	46.0	0.3	1.04	16.4	126	2.83	79.7	7.19	301	672	9.6	42.5	2.4	0.05	180	2.47
1600N 6900E	77.1	6	22.1	333	0.53	3.14	< 1	31.1	0.3	1.11	22.1	153	2.74	88.9	7.56	230	452	11.7	53.3	7.3	< 0.05	180	3.14
1600N 7000E	109	3	19.9	979	0.66	3.00	< 1	50.8	0.5	1.12	20.4	114	3.82	78.6	7.24	477	733	13.0	43.5	16.9	< 0.05	425	2.37
1600N 7100E	53.5	5	16.4	312	1.12	2.42	< 1	35.8	0.6	0.93	21.5	122	3.87	58.8	5.78	1650	528	5.8	55.0	6.8	< 0.05	188	2.54
1600N 7200E	53.0	3	25.4	363	0.53	3.38	< 1	30.6	0.6	1.10	18.5	110	2.52	84.9	7.61	94	495	4.5	34.7	< 0.5	< 0.05	106	2.47
1600N 7300E	124	9	36.0	661	0.91	5.54	< 1	66.9	0.4	1.96	26.8	235	4.10	139	12.1	1630	844	9.5	81.5	23.2	< 0.05	465	6.30
1600N 7400E	87.6	14	41.7	783	0.49	5.73	< 1	44.4	0.4	2.18	20.2	130	2.56	173	14.5	248	493	11.2	71.0	7.3	0.05	336	5.23
1600N 7500E	64.2	3	12.5	887	0.57	1.84	< 1	29.6	< 0.2	0.62	12.2	150	2.88	52.3	4.16	237	295	7.8	45.7	3.9	< 0.05	444	2.97
1600N 7600E	57.2	5	11.8	575	0.84	1.85	< 1	32.9	< 0.2	0.67	17.4	181	3.13	43.3	4.01	206	528	5.5	53.7	9.6	< 0.05	204	2.54
1600N 7700E	141	10	31.3	522	0.70	5.00	< 1	65.0	0.5	1.86	26.7	271	4.51	129	12.3	597	790	12.4	80.5	31.3	0.09	320	5.81
1700N 6500E	82.2	6	17.9	280	0.56	2.65	< 1	32.5	< 0.2	1.08	19.2	253	2.63	70.3	6.98	67	451	8.6	56.2	11.8	< 0.05	140	3.54
1700N 6600E	28.2	1	4.92	342	0.32	0.71	< 1	11.1	0.4	0.31	4.15	77	1.32	22.0	1.94	110	109	8.7	27.8	13.0	< 0.05	115	0.22
1700N 6700E	31.0	5	6.60	649	0.06	1.11	< 1	11.1	0.4	0.47	7.08	65	1.23	44.7	3.10	1580	50.3	5.2	24.6	22.0	< 0.05	548	1.58
1700N 6800E	105	37	125	1920	0.28	19.5	< 1	46.1	< 0.2	7.96	20.1	315	2.48	793	52.2	236	444	33.3	16.1	20.9	0.40	737	0.27
1700N 6900E	64.7	3	13.8	518	0.50	1.98	< 1	32.7	0.5	0.66	15.5	125	2.94	49.9	4.35	226	397	11.5	48.6	2.3	0.06	331	2.77
1700N 7000E	84.9	9	28.1	343	0.86	4.24	< 1	43.1	0.6	1.55	25.8	163	3.97	110	10.9	482	848	10.7	65.1	4.3	0.05	317	4.92
1700N 7100E	105	10	25.4	1400	0.33	3.88	< 1	31.0	0.2	1.43	26.8	185	2.74	114	10.4	687	320	15.9	19.1	19.9	0.07	316	0.35
1700N 7200E	55.8	5	28.0	202	0.27	3.75	< 1	32.8	0.6	1.22	22.0	143	3.16	88.1	8.01	289	302	7.9	62.6	7.4	0.07	132	5.56
1700N 7300E	73.6	7	31.4	314	0.14	4.01	< 1	35.6	0.6	1.30	28.3	146	2.60	106	8.59	73	497	11.5	52.8	6.6	0.06	130	4.42
1700N 7400E	142	12	46.3	1230	0.96	7.20	< 1	77.9	0.4	2.72	32.1	309	5.05	216	17.3	293	1200	11.3	95.6	24.2	0.06	569	6.03
1700N 7500E	90.9	6	23.5	587	0.78	3.42	< 1	41.5	0.7	1.19	26.0	151	4.33	94.9	7.89	290	657	7.6	67.8	12.0	0.07	399	3.45
1700N 7600E	95.3	13	43.6	506	0.83	6.64	< 1	84.5	0.4	2.28	32.8	270	4.17	159	15.0	441	865	6.5	127	15.9	0.11	448	10.2
1700N 7700E	56.1	3	12.4	1270	0.97	1.99	< 1	27.1	< 0.2	0.70	17.2	180	2.91	63.8	4.48	466	263	10.6	50.4	13.7	0.06	1250	2.60
1800N 6500E	297	14	84.1	812	0.26	12.8	< 1	39.0	0.5	5.38	28.4	246	3.73	428	35.8	123	709	8.8	36.5	15.5	0.21	325	3.64
1800N 6600E	142	7	23.8	308	0.52	3.74	< 1	38.7	0.5	1.45	21.9	159	3.16	101	9.83	145	648	11.7	51.5	12.3	0.07	192	3.89
1800N 6700E	94.8	8	14.5	932	0.34	2.18	< 1	31.5	< 0.2	0.72	11.1	105	4.51	58.2	4.67	1650	223	9.2	27.3	17.4	< 0.05	576	1.20
1800N 6800E	91.9	10	20.4	547	0.42	3.18	< 1	42.5	< 0.2	1.14	8.29	198	1.80	75.0	7.52	749	347	5.6	77.1	17.3	< 0.05	762	3.52
1800N 6900E	34.9	2	7.46	221	1.21	1.02	< 1	20.4	0.3	0.40	10.9	31	2.82	27.7	2.97	436	237	5.1	59.0	5.0	< 0.05	309	2.01
1800N 7000E	56.4	5	13.5	525	0.44	1.98	< 1	27.7	0.4	0.63	13.5	86	3.30	49.9	4.27	1270	272	7.3	36.0	11.3	< 0.05	254	1.65
1800N 7100E	91.3	12	30.4	517	0.63	4.30	< 1	37.9	< 0.2	1.68	30.3	287	3.56	126	10.9	146	457	13.2	66.2	15.6	0.06	217	4.16
1800N 7200E	36.3	6	10.9	405	0.63	1.62	< 1	26.1	0.7	0.54	16.4	197	2.66	43.1	3.71	269	295	6.5	52.5	5.5	< 0.05	167	2.70
1800N 7300E	54.2	11	22.4	270	0.69	3.66	< 1	43.6	0.4	1.34	23.6	227	3.34	84.8	8.17	1580	672	9.5	82.4	14.3	< 0.05	196	5.66
1800N 7400E	67.0	5	7.93	856	0.53	1.24	< 1	32.1	< 0.2	0.36	14.8	182	4.15	28.0	2.14	1080	332	6.1	59.9	18.6	< 0.05	485	4.22
1800N 7500E	55.2	6	11.0	659	0.57	1.60	< 1	16.2	0.4	0.60	13.2	165	3.32	47.9	4.12	263	283	13.0	48.0	19.5	0.10	137	0.86
1800N 7600E	97.8	8	21.0	656	0.85	3.30	< 1	49.4	< 0.2	1.07	23.7	271	3.90	77.7	7.00	660	487	5.5	74.0	16.0	< 0.05	381	6.10
1800N 7700E	55.5	6	14.4	475	0.79	2.11	< 1	32.2	0.6	0.67	19.0	140	3.71	47.7	4.23	219	397	4.9	52.5	6.6	< 0.05	294	2.45
1900N 6500E	44.6	5	6.57	384	0.91	1.11	< 1	30.8	0.3	0.44	10.2	226	3.22	28.8	2.72	3180	372	4.7	73.6	11.8	< 0.05	501	5.03

Analyte Symbol	Sc	Se	Sm	Sr	Ta	Tb	Te	Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr	Ag	Al	As	Au	Ba	Be
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Lower Limit	0.5	1	0.03	0.1	0.01	0.01	1	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2	0.5	0.2	0.5	0.5	0.05	1	0.07
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
1900N 6600E	34.8	9	15.1	837	0.21	2.16	< 1	12.0	< 0.2	0.80	7.65	53	1.17	68.1	5.29	599	141	13.8	17.1	20.9	< 0.05	407	0.51
1900N 6700E	137	14	65.5	1130	0.22	9.65	< 1	57.8	0.3	3.06	24.7	108	4.72	261	19.1	1710	380	11.3	18.6	0.6	0.37	910	0.28
1900N 6800E	45.2	7	10.8	366	0.52	1.57	< 1	31.3	0.6	0.53	10.9	76	2.51	38.0	3.20	481	235	9.3	43.0	3.1	< 0.05	344	2.58
1900N 6900E	87.5	9	20.8	500	0.41	2.97	< 1	35.7	0.7	1.13	22.2	90	5.17	80.9	7.36	225	575	9.9	45.2	5.3	< 0.05	424	3.00
1900N 7000E	64.5	8	17.3	400	0.31	2.55	< 1	31.2	0.5	0.91	20.3	123	2.22	62.6	5.95	553	446	6.3	48.3	3.3	< 0.05	205	2.89
1900N 7100E	63.6	6	14.3	486	0.37	2.12	< 1	29.9	0.6	0.69	15.0	140	2.85	54.3	4.52	1260	265	6.3	57.1	15.7	< 0.05	195	3.41
1900N 7200E	73.3	10	26.7	368	0.42	3.89	< 1	40.2	0.5	1.50	21.6	204	3.00	108	10.2	624	457	8.5	79.2	14.7	< 0.05	229	5.24
1900N 7300E	76.8	10	19.2	640	0.99	2.96	< 1	49.9	< 0.2	1.01	19.0	475	4.55	71.4	5.96	735	491	13.4	106	41.9	< 0.05	487	9.20
1900N 7400E	58.2	8	15.6	1020	0.54	2.37	< 1	34.5	0.5	0.75	17.6	177	2.31	60.6	4.70	205	298	8.9	47.3	17.3	0.09	495	3.49
1900N 7500E	67.2	7	19.2	538	0.70	2.80	< 1	36.6	0.9	1.02	21.3	146	3.00	75.1	6.20	566	415	11.8	75.7	13.3	< 0.05	289	3.42
1900N 7600E	93.7	8	17.2	648	0.48	2.72	< 1	38.6	0.2	0.92	18.7	211	3.42	67.6	5.51	768	310	4.9	64.7	16.9	0.06	298	5.43
1900N 7700E	39.1	4	12.8	246	1.02	1.76	< 1	29.1	0.6	0.59	15.3	114	3.28	44.0	3.81	767	307	6.6	70.4	21.0	< 0.05	227	2.90

Analyte Symbol	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Hg	Ho	I	In	K	La
Unit Symbol	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb
Lower Limit	0.1	5	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	1	0.1	0.03	0.05	0.04	0.05	0.01	1	0.1	5	0.01
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
600N 7200E	0.1	157	47	24.1	121	289	19	0.36	594	14.8	7.50	3.42	93	15.1	12.8	0.44	3.86	< 0.05	2.78	48	0.2	285	38.1
600N 7300E	0.3	180	59	12.3	170	156	22	0.26	372	13.4	6.33	3.11	121	19.9	13.0	0.39	6.60	< 0.05	2.34	45	0.2	168	52.0
600N 7400E	0.4	277	88	31.9	177	139	23	0.42	265	12.0	6.11	3.13	122	27.0	13.1	0.49	5.08	< 0.05	2.20	49	0.2	206	51.0
600N 7500E	< 0.1	212	111	126	196	134	13	0.39	683	19.3	9.61	4.50	38	13.3	17.8	0.56	5.13	< 0.05	3.53	44	< 0.1	662	45.9
600N 7600E	< 0.1	183	76	83.4	47.6	102	10	0.21	236	5.10	2.44	1.31	23	12.5	4.69	0.27	1.21	< 0.05	0.95	28	< 0.1	402	9.70
600N 7700E	< 0.1	271	77	133	168	228	25	0.20	346	17.1	7.60	3.61	76	14.6	14.2	0.44	5.78	< 0.05	2.89	44	0.1	481	32.8
600N 7800E	0.4	363	45	94.7	35.2	459	27	0.24	254	7.21	3.61	1.20	97	21.1	4.88	0.30	5.04	< 0.05	1.35	23	0.2	761	7.23
600N 7900E	< 0.1	252	141	58.2	333	143	12	0.41	4150	48.9	24.9	12.1	41	12.3	43.9	1.10	3.81	< 0.05	9.10	38	< 0.1	166	97.7
700N 7200E	< 0.1	193	94	21.3	125	55.0	7	0.61	436	19.7	10.2	4.80	25	12.8	17.3	0.65	3.20	< 0.05	3.67	61	< 0.1	209	46.7
700N 7300E	< 0.1	234	145	43.3	47.9	26.6	5	1.08	178	5.78	2.80	1.32	16	9.1	4.90	0.28	1.72	< 0.05	1.02	69	< 0.1	450	10.8
700N 7400E	< 0.1	206	105	91.3	90.9	94.7	11	0.56	542	8.38	3.90	2.29	43	14.8	7.56	0.72	2.52	< 0.05	1.52	36	< 0.1	331	19.7
700N 7500E	< 0.1	202	260	47.2	88.0	38.0	7	0.45	1400	17.4	9.45	4.53	17	6.1	16.5	0.85	4.41	< 0.05	3.43	102	< 0.1	195	31.3
700N 7600E	< 0.1	273	70	176	139	332	21	0.36	607	20.0	9.39	4.44	62	15.4	15.3	0.46	5.39	< 0.05	3.55	41	0.2	514	25.0
700N 7700E	< 0.1	229	125	84.4	135	52.4	8	0.71	551	19.0	9.65	4.16	22	10.2	16.0	0.39	2.96	< 0.05	3.54	51	< 0.1	451	37.7
700N 7800E	< 0.1	207	77	90.1	148	215	15	0.43	524	18.8	9.34	4.22	34	12.8	15.1	0.72	4.03	< 0.05	3.44	32	< 0.1	435	31.6
700N 7900E	< 0.1	271	75	37.4	238	155	17	0.43	517	24.5	11.7	5.32	53	16.8	20.4	0.48	4.89	< 0.05	4.44	53	0.1	309	64.0
800N 7200E	< 0.1	197	106	52.8	202	152	9	0.40	579	26.1	12.8	7.14	33	12.5	22.8	0.47	5.02	< 0.05	4.73	46	< 0.1	257	52.6
800N 7300E	0.4	183	150	167	190	149	24	0.28	303	31.3	14.2	7.77	86	14.9	27.8	0.71	5.20	< 0.05	5.50	45	0.2	194	57.8
800N 7400E	< 0.1	218	169	76.7	98.7	49.6	11	0.47	281	12.9	5.96	2.92	31	10.4	11.0	0.75	4.26	< 0.05	2.32	66	< 0.1	709	20.8
800N 7500E	< 0.1	250	108	30.8	36.7	12.8	2	0.96	182	3.60	1.74	0.96	10	8.8	3.75	0.25	1.10	< 0.05	0.72	60	< 0.1	340	10.3
800N 7600E	< 0.1	197	37	66.1	90.1	291	23	0.33	412	14.8	7.49	2.83	70	17.2	10.6	0.41	5.63	< 0.05	2.84	53	0.2	314	16.5
800N 7700E	0.6	282	32	56.3	188	417	39	0.21	488	27.4	13.8	5.47	143	21.6	19.9	0.59	9.44	< 0.05	5.18	48	0.3	454	34.8
800N 7800E	< 0.1	223	123	55.8	143	70.7	11	0.50	944	30.9	16.4	7.68	24	12.1	27.1	0.57	3.64	< 0.05	6.06	76	< 0.1	423	57.0
800N 7900E	< 0.1	166	94	100	224	369	15	0.30	946	37.3	20.0	8.21	39	11.7	30.0	0.71	3.75	< 0.05	7.41	32	< 0.1	392	71.7
900N 7100E	< 0.1	262	116	110	23.2	284	10	0.12	156	4.19	1.92	1.04	29	7.1	3.27	0.31	0.94	< 0.05	0.85	24	< 0.1	387	5.18
900N 7200E	< 0.1	177	74	19.4	99.9	73.1	13	0.27	189	8.20	4.12	1.83	35	13.4	7.32	0.37	3.51	< 0.05	1.59	26	< 0.1	317	23.9
900N 7300E	0.1	235	60	70.3	93.4	280	18	0.26	305	13.8	6.63	2.67	62	18.0	10.00	0.46	3.89	< 0.05	2.62	28	0.1	414	20.7
900N 7400E	< 0.1	156	128	84.7	50.4	24.9	4	0.58	218	5.93	2.88	1.26	16	11.7	5.56	0.36	1.68	< 0.05	0.89	42	< 0.1	310	13.1
900N 7500E	< 0.1	146	112	61.4	53.3	87.7	10	0.18	176	7.03	3.20	1.65	27	10.5	6.22	0.48	1.75	< 0.05	0.99	38	< 0.1	481	12.5
900N 7600E	< 0.1	231	44	90.8	103	358	23	0.24	570	21.8	10.6	4.12	84	18.3	15.3	0.69	5.42	< 0.05	3.79	69	0.2	341	22.5
900N 7700E	< 0.1	184	90	116	196	309	17	0.33	920	50.2	26.5	10.7	46	15.7	38.8	1.11	6.14	< 0.05	9.44	60	0.1	627	54.7
900N 7800E	< 0.1	234	135	74.8	102	93.6	10	0.42	403	8.39	4.08	1.83	37	15.5	7.72	0.36	2.96	< 0.05	1.33	43	< 0.1	515	19.1
900N 7900E	0.2	197	68	58.6	166	303	16	0.30	358	19.6	9.96	3.93	89	18.3	15.2	0.49	4.28	< 0.05	3.47	36	0.2	281	42.8
1000N 6900E	< 0.1	168	112	19.7	164	71.2	10	0.32	349	18.2	8.62	3.90	27	11.1	15.7	0.57	3.67	< 0.05	3.06	36	< 0.1	378	44.4
1000N 7000E	< 0.1	184	83	54.9	157	163	14	0.41	310	12.6	5.84	3.05	59	18.5	11.3	0.51	5.84	< 0.05	2.05	34	0.2	270	35.2
1000N 7100E	< 0.1	226	264	348	64.0	253	15	0.42	8260	35.8	20.2	9.89	29	5.0	28.1	0.70	3.17	0.82	7.03	90	< 0.1	473	23.4
1000N 7200E	< 0.1	241	146	58.9	160	211	13	0.17	1330	34.3	17.8	7.05	31	11.1	26.6	0.59	4.48	< 0.05	6.13	135	< 0.1	487	49.7
1000N 7300E	< 0.1	209	135	38.0	227	110	14	0.37	532	28.9	14.6	6.47	58	17.4	24.0	0.59	6.27	< 0.05	5.17	59	0.1	610	60.7
1000N 7400E	0.1	185	65	42.5	197	228	22	0.30	469	17.9	9.11	3.85	78	19.2	15.1	0.60	6.52	< 0.05	3.22	43	0.2	337	51.7
1000N 7500E	< 0.1	259	61	53.3	73.7	31.9	8	1.64	131	6.35	3.06	1.54	14	12.6	6.36	0.10	2.17	< 0.05	0.97	98	< 0.1	242	21.0
1000N 7600E	< 0.1	246	63	118	163	275	16	0.41	670	23.2	11.4	5.00	40	16.7	18.3	0.25	4.11	< 0.05	4.08	77	< 0.1	494	44.7
1000N 7700E	0.2	186	94	261	127	463	22	0.18	385	15.6	7.91	3.02	74	14.5	11.7	0.54	5.05	< 0.05	2.70	43	0.1	549	25.4
1000N 7800E	0.2	174	80	81.1	79.9	359	17	0.26	289	9.56	4.64	1.65	71	17.3	6.75	0.50	3.71	< 0.05	1.57	34	0.1	426	17.2
1000N 7900E	0.2	154	70	28.6	120	164	28	0.08	264	9.54	4.49	2.42	139	17.1	8.97	0.39	3.92	< 0.05	1.51	33	0.2	335	38.0
1100N 6800E	0.1	175	65	31.5	175	137	18	0.55	310	15.5	7.24	3.37	82	21.0	12.6	0.38	6.36	< 0.05	2.51	51	0.2	228	40.1
1100N 6900E	< 0.1	140	98	22.0	89.0	126	14	0.52	340	9.31	4.34	2.28	73	15.3	8.23	< 0.05	3.15	< 0.05	1.46	54	0.1	263	27.1
1100N 7000E	< 0.1	129	175	56.3	148	67.7	11	0.55	630	23.3	11.2	6.03	39	14.6	19.8	0.62	5.51	< 0.05	4.00	72	< 0.1	434	44.1
1100N 7100E	< 0.1	186	107	32.3	215	51.5	11	0.64	500	24.4	11.8	5.66	34	17.6	21.5	0.58	5.15	< 0.05	4.29	90	< 0.1	327	60.6
1100N 7200E	< 0.1	186	305	47.7	19.1	16.2	7	0.42	596	7.95	4.55	2.41	11	5.9	7.89	0.27	1.43	0.23	1.37	94	< 0.1	329	23.3
1100N 7300E	< 0.1	163	148	36.9	296	93.2	19	0.45	617	31.8	16.0	8.19	52	19.6	29.5	0.67	7.69	< 0.05	5.76	67	0.1	604	78.5

Analyte Symbol	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Hg	Ho	I	In	K	La
Unit Symbol	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb
Lower Limit	0.1	5	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	1	0.1	0.03	0.05	0.04	0.05	0.01	1	0.1	5	0.01
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
1100N 7400E	< 0.1	182	116	26.0	188	185	18	0.31	414	17.9	8.36	4.46	54	16.5	15.2	0.48	5.78	< 0.05	2.96	40	0.1	491	45.6
1100N 7500E	< 0.1	141	52	130	310	127	17	0.55	633	45.5	21.1	10.8	50	22.2	36.9	0.66	10.2	< 0.05	8.15	89	0.2	265	74.0
1100N 7600E	< 0.1	185	107	129	47.6	318	21	0.18	298	7.83	3.77	1.52	54	11.9	5.36	0.51	3.57	< 0.05	1.36	28	< 0.1	951	9.49
1100N 7700E	< 0.1	139	83	84.0	180	112	17	0.71	285	18.4	8.31	4.28	47	19.1	15.9	0.54	4.61	< 0.05	3.09	55	0.1	339	37.6
1100N 7800E	< 0.1	94	135	61.5	219	123	8	0.43	441	22.6	10.6	5.88	27	13.0	20.7	0.68	2.92	< 0.05	4.00	45	< 0.1	258	54.1
1100N 7900E	0.2	135	73	44.4	473	239	17	0.58	490	39.7	18.3	9.06	73	20.7	31.4	0.84	8.02	< 0.05	6.87	45	0.2	388	98.7
1200N 6700E	0.2	182	79	24.6	249	109	15	0.64	565	28.4	13.9	6.48	64	21.2	25.0	0.46	6.69	< 0.05	5.03	64	0.1	312	77.6
1200N 6800E	0.2	148	119	12.4	48.2	236	19	0.60	230	6.07	2.83	1.49	109	19.2	4.85	0.84	4.21	< 0.05	0.98	23	0.2	214	13.6
1200N 6900E	< 0.1	245	84	17.0	297	115	34	0.25	731	26.2	12.5	6.94	125	17.0	24.9	0.49	6.52	< 0.05	4.65	91	0.2	118	87.6
1200N 7000E	0.1	77	25	94.3	125	318	25	0.82	350	15.7	7.40	3.86	96	24.3	12.6	0.54	3.61	< 0.05	2.70	45	0.2	126	21.4
1200N 7100E	0.1	113	77	33.5	188	252	17	0.32	305	16.5	7.52	3.94	91	18.5	13.8	0.46	5.34	< 0.05	2.78	40	0.2	296	47.4
1200N 7200E	0.5	121	86	49.3	142	468	33	0.37	274	9.99	4.60	2.25	121	18.2	8.06	0.47	5.99	< 0.05	1.64	33	0.2	331	30.0
1200N 7300E	0.2	206	173	71.1	312	161	29	0.31	1760	77.3	42.8	17.4	76	15.8	62.5	1.21	11.4	< 0.05	15.7	115	0.1	315	118
1200N 7400E	0.5	177	150	24.1	312	197	48	0.33	541	27.9	13.7	7.25	167	19.6	25.5	0.76	8.66	< 0.05	5.01	53	0.2	207	84.3
1200N 7500E	0.2	187	130	22.5	190	95.0	13	0.59	491	19.2	9.29	4.78	67	22.8	17.1	0.57	6.39	< 0.05	3.42	66	0.1	284	55.4
1200N 7600E	0.2	229	72	42.9	363	106	18	0.63	407	32.3	15.8	7.70	66	26.0	28.2	0.52	10.0	< 0.05	5.70	96	0.2	394	105
1200N 7700E	< 0.1	147	93	212	108	147	15	0.60	399	10.5	4.80	2.47	56	19.7	8.53	0.60	3.59	< 0.05	1.82	62	0.1	518	17.9
1200N 7800E	0.1	201	41	56.3	187	343	16	0.76	689	20.8	9.90	4.32	74	20.3	16.1	0.43	4.30	< 0.05	3.68	56	0.1	313	48.8
1200N 7900E	< 0.1	166	134	54.4	413	69.3	12	0.94	697	45.1	21.7	11.3	51	21.3	39.4	0.89	6.99	< 0.05	8.02	110	< 0.1	299	120
1300N 6500E	< 0.1	195	269	17.2	130	21.7	4	0.10	1130	25.0	12.7	6.68	14	5.4	25.8	0.55	2.75	< 0.05	4.60	114	< 0.1	47	60.8
1300N 6600E	0.4	110	72	12.4	188	76.6	49	0.59	175	17.2	8.38	4.95	195	18.2	17.4	0.82	6.45	< 0.05	3.18	31	0.2	171	76.5
1300N 6700E	< 0.1	89	76	29.7	138	88.0	6	0.48	214	10.6	5.22	2.58	53	14.5	10.1	0.38	4.25	< 0.05	1.97	45	0.1	244	34.4
1300N 6800E	< 0.1	106	44	9.37	167	119	8	0.84	184	11.9	5.81	3.18	54	15.6	11.6	0.14	2.96	< 0.05	2.14	49	0.1	87	52.8
1300N 6900E	< 0.1	163	124	34.6	286	33.5	< 2	0.91	984	26.7	13.8	7.40	23	20.3	27.6	0.56	4.86	< 0.05	5.02	125	< 0.1	202	86.1
1300N 7000E	< 0.1	61	74	82.0	109	243	5	0.59	521	12.2	5.71	3.43	41	16.2	11.0	0.57	2.37	< 0.05	2.22	36	< 0.1	311	17.5
1300N 7100E	< 0.1	116	113	68.9	80.3	60.5	< 2	0.73	522	15.2	7.24	4.15	20	12.0	12.7	0.54	2.81	< 0.05	2.76	62	< 0.1	383	19.7
1300N 7200E	0.4	212	177	119	190	259	27	0.41	559	36.4	18.8	8.07	81	14.6	28.6	0.78	6.95	< 0.05	7.03	52	0.2	558	46.1
1300N 7300E	< 0.1	60	131	31.1	122	88.7	5	0.53	162	8.30	4.07	2.34	42	14.2	8.80	0.58	3.76	< 0.05	1.58	48	< 0.1	220	31.6
1300N 7400E	0.4	213	63	34.5	302	138	23	0.45	470	18.9	8.82	4.66	119	24.9	17.3	0.81	8.80	< 0.05	3.40	64	0.3	323	63.4
1300N 7500E	0.2	109	66	28.8	200	255	13	0.18	450	15.0	7.44	3.65	103	18.5	14.3	0.51	5.03	< 0.05	2.80	46	0.2	343	55.5
1300N 7600E	< 0.1	109	82	36.6	257	84.1	7	0.59	378	18.8	9.34	4.60	49	18.2	17.8	0.31	6.66	< 0.05	3.52	75	0.1	323	59.3
1300N 7700E	0.4	294	29	16.4	230	176	58	0.31	651	17.9	9.31	5.01	246	30.0	17.4	0.60	8.39	< 0.05	3.44	62	0.4	221	64.4
1300N 7800E	0.2	147	42	36.0	239	243	15	0.47	364	16.6	8.29	3.88	90	21.0	14.9	0.33	6.17	< 0.05	3.12	62	0.2	254	59.6
1300N 7900E	< 0.1	177	89	42.5	228	71.5	2	0.59	818	24.3	11.4	5.68	28	14.6	21.4	0.46	4.01	< 0.05	4.41	105	< 0.1	276	71.2
1400N 6500E	< 0.1	98	36	8.91	155	92.8	10	0.36	211	13.7	6.86	3.11	61	12.9	12.0	0.27	4.08	< 0.05	2.63	42	0.1	138	45.0
1400N 6600E	< 0.1	50	35	7.83	151	95.7	7	0.33	197	11.0	5.49	2.70	56	11.0	10.2	0.19	3.46	< 0.05	2.12	30	< 0.1	133	37.2
1400N 6700E	0.2	278	49	17.0	75.7	76.9	12	1.16	102	6.62	3.29	1.54	53	17.1	5.47	0.19	2.99	< 0.05	1.18	76	0.1	205	24.6
1400N 6800E	0.2	211	68	19.7	182	73.6	7	0.83	448	22.4	11.0	5.25	30	15.4	19.4	0.39	4.14	< 0.05	4.14	72	< 0.1	235	65.5
1400N 6900E	< 0.1	455	478	21.9	82.2	30.9	16	0.43	2360	17.0	8.44	5.40	19	2.6	18.1	0.53	3.05	0.28	3.14	523	< 0.1	109	52.6
1400N 7000E	0.6	244	72	16.2	290	124	15	0.97	225	28.1	13.8	6.87	86	21.2	23.2	0.86	7.47	< 0.05	5.18	66	0.2	292	80.6
1400N 7100E	0.4	164	69	17.2	313	86.4	17	0.63	200	24.3	11.8	5.34	63	18.7	21.8	0.56	8.04	< 0.05	4.45	48	0.2	231	103
1400N 7200E	0.2	146	152	95.9	128	73.4	13	0.53	429	16.6	8.18	3.92	33	10.8	13.9	0.74	4.29	< 0.05	2.97	71	< 0.1	431	34.1
1400N 7300E	0.3	123	133	61.2	168	167	7	0.24	330	16.5	7.56	3.48	47	12.4	13.3	0.51	5.13	< 0.05	2.90	48	< 0.1	386	40.7
1400N 7400E	0.5	168	94	30.8	144	224	12	0.30	195	13.7	6.85	3.10	86	15.2	11.8	0.57	3.72	< 0.05	2.51	42	0.2	252	46.6
1400N 7500E	0.2	178	108	14.4	280	108	14	0.43	350	29.3	14.7	7.15	69	13.6	26.6	0.44	5.62	< 0.05	5.59	79	0.2	236	92.5
1400N 7600E	0.6	111	112	33.5	101	296	11	0.32	149	9.26	4.70	2.02	67	11.4	7.89	0.40	4.05	< 0.05	1.78	25	0.1	418	26.7
1400N 7700E	0.4	209	49	13.6	154	251	26	0.63	234	10.4	4.55	2.57	109	18.1	9.36	0.41	4.74	< 0.05	1.77	47	0.2	139	47.4
1500N 6500E	0.1	148	80	18.7	172	64.8	5	0.60	208	21.0	9.91	4.38	27	9.5	17.2	0.62	3.18	< 0.05	3.79	61	< 0.1	260	53.4
1500N 6600E	0.2	174	84	8.54	312	34.5	6	0.89	197	32.3	14.9	7.80	27	20.2	28.7	0.84	5.82	< 0.05	5.61	114	< 0.1	247	114
1500N 6700E	0.2	275	36	5.84	88.4	21.6	5	3.37	197	9.96	4.52	2.62	16	17.9	9.16	0.26	1.87	< 0.05	1.70	74	< 0.1	87	38.5

Analyte Symbol	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Hg	Ho	I	In	K	La
Unit Symbol	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb
Lower Limit	0.1	5	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	1	0.1	0.03	0.05	0.04	0.05	0.01	1	0.1	5	0.01
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
1500N 6800E	< 0.1	144	127	19.7	150	21.9	2	0.98	245	18.2	9.26	3.99	22	12.1	17.0	0.58	4.41	< 0.05	3.43	60	< 0.1	331	50.5
1500N 6900E	0.1	86	88	26.2	74.0	43.6	3	0.74	99.0	4.87	2.38	1.22	28	10.7	4.37	0.51	1.91	< 0.05	0.88	30	< 0.1	417	13.0
1500N 7000E	0.2	153	52	11.8	172	146	16	0.42	241	13.1	6.57	2.95	58	13.5	10.8	0.36	4.52	< 0.05	2.40	49	0.1	165	40.8
1500N 7100E	0.3	155	114	24.0	211	119	9	0.52	374	20.9	10.2	4.91	54	15.0	18.9	0.67	5.19	< 0.05	3.80	53	0.1	413	64.2
1500N 7200E	0.3	202	91	11.6	221	44.8	8	0.52	137	16.3	7.44	4.50	48	20.0	16.5	0.55	4.81	< 0.05	2.84	64	0.1	233	75.0
1500N 7300E	0.3	218	172	96.1	136	67.4	11	0.46	442	18.3	8.47	4.50	51	10.4	17.1	1.08	4.77	< 0.05	3.21	107	< 0.1	502	34.8
1500N 7400E	0.2	221	117	49.0	124	53.9	4	0.56	316	15.3	7.15	3.65	30	14.7	13.6	0.65	4.58	< 0.05	2.76	111	< 0.1	620	31.3
1500N 7500E	0.4	245	109	44.1	173	137	4	0.31	617	26.5	13.0	7.20	69	17.3	21.1	0.70	2.87	< 0.05	4.86	69	0.2	226	51.3
1500N 7600E	0.3	189	80	15.2	197	105	9	0.52	138	17.7	8.08	3.99	45	17.0	16.2	0.56	4.88	< 0.05	3.09	68	0.1	250	58.1
1500N 7700E	1.0	184	38	24.1	953	445	81	0.16	1050	83.2	38.8	23.2	234	23.5	87.1	1.34	12.6	< 0.05	14.9	78	0.4	106	274
1600N 6500E	0.2	167	76	26.6	154	168	6	0.94	280	18.8	9.45	3.94	30	10.1	16.1	0.62	2.31	< 0.05	3.44	48	< 0.1	455	64.0
1600N 6600E	< 0.1	153	178	44.7	182	80.4	7	0.30	951	38.2	18.5	9.35	27	8.8	33.4	0.72	3.50	< 0.05	7.08	73	< 0.1	328	68.1
1600N 6700E	0.3	189	149	21.6	142	230	17	0.23	217	14.2	6.45	3.46	89	8.8	12.9	0.63	3.20	< 0.05	2.50	36	0.1	224	41.5
1600N 6800E	0.3	96	128	58.6	121	71.3	9	0.55	215	14.0	6.74	3.38	42	11.7	12.9	0.59	5.59	< 0.05	2.55	44	< 0.1	255	37.1
1600N 6900E	0.2	118	112	24.3	179	82.0	3	0.70	389	21.9	11.5	5.10	43	14.7	19.7	0.76	3.91	< 0.05	4.17	63	< 0.1	268	63.8
1600N 7000E	0.2	125	138	35.0	162	45.5	5	0.65	332	16.0	7.78	3.88	42	12.1	15.0	0.66	6.41	< 0.05	2.92	76	< 0.1	289	45.2
1600N 7100E	0.2	165	60	49.2	97.2	152	3	1.18	146	11.5	5.86	2.18	40	14.4	8.42	0.59	3.01	< 0.05	2.03	48	< 0.1	287	26.7
1600N 7200E	0.1	175	109	12.8	162	17.9	< 2	1.12	304	17.8	8.46	4.45	21	16.1	18.1	0.52	3.49	< 0.05	3.18	65	< 0.1	281	58.0
1600N 7300E	0.5	177	54	100	286	312	20	0.57	429	32.8	16.2	7.12	91	18.7	26.5	0.88	10.1	< 0.05	5.98	64	0.2	377	62.1
1600N 7400E	0.5	198	137	62.1	244	131	10	0.66	677	40.5	21.2	9.88	61	14.8	36.4	0.99	6.49	< 0.05	7.59	87	0.2	230	75.8
1600N 7500E	0.4	119	106	32.4	116	185	9	0.22	273	12.4	5.98	2.82	61	13.0	10.6	0.75	4.27	< 0.05	2.32	34	0.1	233	25.5
1600N 7600E	0.2	187	133	24.8	95.8	80.4	9	0.63	181	10.5	4.80	2.39	55	16.5	9.09	0.61	4.15	< 0.05	1.86	67	0.1	130	27.3
1600N 7700E	0.4	238	58	36.7	421	166	22	0.52	361	37.9	19.7	8.59	77	19.4	33.9	0.73	7.71	< 0.05	7.09	106	0.2	176	96.4
1700N 6500E	0.2	237	81	14.3	147	85.3	10	0.53	312	16.6	8.44	4.25	60	18.2	15.7	0.51	3.67	< 0.05	3.13	96	0.1	188	53.7
1700N 6600E	< 0.1	74	235	23.8	8.48	13.5	4	1.08	233	1.44	0.80	0.37	12	8.3	1.46	0.39	1.02	< 0.05	0.29	43	< 0.1	257	2.54
1700N 6700E	3.0	223	193	182	32.1	189	11	0.68	358	14.6	10.0	2.26	39	5.7	9.83	0.46	0.98	0.14	3.25	51	0.1	1140	10.7
1700N 6800E	< 0.1	194	347	43.4	16.7	14.7	5	0.14	3560	19.4	10.9	5.88	15	0.7	20.7	0.49	1.63	< 0.05	3.93	170	< 0.1	259	42.6
1700N 6900E	0.2	109	111	43.1	124	63.6	4	0.34	324	10.5	5.14	2.48	33	11.9	10.2	0.54	4.53	< 0.05	1.92	49	< 0.1	363	29.4
1700N 7000E	0.3	227	78	85.0	249	101	5	0.67	485	28.1	14.7	5.82	53	17.9	25.5	0.86	6.81	< 0.05	5.46	79	0.1	399	71.3
1700N 7100E	< 0.1	140	259	81.6	60.3	24.6	4	0.35	538	8.55	4.56	2.14	17	3.4	7.85	0.29	2.48	< 0.05	1.65	95	< 0.1	285	16.5
1700N 7200E	0.3	216	88	30.6	238	45.3	6	1.04	273	26.4	11.7	7.02	27	24.0	25.9	0.62	3.45	< 0.05	4.56	96	< 0.1	237	91.8
1700N 7300E	0.3	311	116	14.0	297	36.3	< 2	1.08	909	30.7	13.8	8.01	31	23.0	30.1	0.53	5.31	< 0.05	5.27	103	< 0.1	506	116
1700N 7400E	0.5	199	113	25.9	322	157	24	0.72	448	46.5	24.2	10.2	104	21.3	39.9	0.77	13.2	< 0.05	8.97	114	0.2	295	103
1700N 7500E	0.4	243	85	36.4	154	77.1	7	0.69	335	18.3	8.88	4.17	46	18.1	15.8	0.63	6.16	< 0.05	3.29	80	< 0.1	570	36.6
1700N 7600E	0.6	322	41	44.2	328	236	21	0.62	1550	34.1	16.7	7.71	97	23.0	29.8	0.48	9.75	< 0.05	6.26	73	0.3	318	75.7
1700N 7700E	0.5	219	156	37.2	85.5	101	9	0.37	251	10.7	5.47	2.63	64	15.6	9.46	0.52	3.45	< 0.05	2.00	75	< 0.1	212	24.5
1800N 6500E	< 0.1	90	117	35.7	461	103	14	1.20	647	83.2	43.8	19.8	37	12.5	71.6	0.93	5.58	< 0.05	16.1	35	< 0.1	183	173
1800N 6600E	0.2	100	90	20.0	227	44.4	< 2	0.76	199	24.7	12.0	5.45	36	15.3	21.3	0.32	5.11	< 0.05	4.40	54	< 0.1	224	80.8
1800N 6700E	0.4	159	159	45.9	58.0	82.2	6	0.46	209	8.00	4.04	1.70	36	7.6	6.39	0.78	2.89	< 0.05	1.55	61	< 0.1	512	12.1
1800N 6800E	1.1	216	133	52.8	119	243	27	0.23	275	19.6	10.7	4.01	99	14.9	15.1	0.47	5.25	< 0.05	3.85	66	0.2	526	36.2
1800N 6900E	0.6	152	94	17.0	61.9	31.8	< 2	1.12	65.4	5.85	3.03	1.46	41	15.6	5.58	0.52	1.66	< 0.05	1.07	58	< 0.1	266	17.9
1800N 7000E	0.2	117	108	58.3	79.9	49.3	< 2	0.34	136	8.32	4.01	2.01	22	8.5	7.41	0.45	2.21	0.30	1.55	66	< 0.1	530	17.6
1800N 7100E	0.3	185	119	37.8	219	157	10	0.37	502	32.1	16.4	7.49	69	16.2	27.9	0.67	4.19	< 0.05	6.01	96	0.1	358	81.5
1800N 7200E	0.2	164	83	24.3	66.1	64.1	< 2	0.45	341	7.78	3.61	1.95	28	11.5	6.66	0.31	2.25	< 0.05	1.37	62	< 0.1	247	19.9
1800N 7300E	0.3	291	50	66.1	146	223	11	0.51	441	19.5	9.40	3.70	51	17.7	14.3	0.42	4.74	0.24	3.55	110	0.1	219	40.7
1800N 7400E	0.6	207	94	51.1	109	295	20	0.44	165	7.59	3.53	1.54	89	16.1	6.01	0.57	5.14	< 0.05	1.32	42	0.2	284	23.2
1800N 7500E	< 0.1	203	163	37.2	35.1	30.6	2	0.72	352	4.83	2.55	1.26	23	11.5	4.77	0.49	2.14	< 0.05	0.94	88	< 0.1	644	8.65
1800N 7600E	0.5	146	73	21.5	262	324	19	0.44	266	16.3	8.22	4.17	91	16.5	15.7	0.87	5.81	< 0.05	3.23	50	0.2	192	67.1
1800N 7700E	0.2	161	91	26.6	128	38.7	< 2	0.43	133	7.58	3.50	2.17	31	14.1	8.00	0.43	3.15	< 0.05	1.38	62	< 0.1	321	27.1
1900N 6500E	0.6	148	66	93.2	29.9	255	15	0.58	223	6.56	3.78	1.15	103	16.1	4.22	0.53	4.59	< 0.05	1.35	31	0.2	556	5.53

Analyte Symbol	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Hg	Ho	I	In	K	La
Unit Symbol	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb
Lower Limit	0.1	5	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	1	0.1	0.03	0.05	0.04	0.05	0.01	1	0.1	5	0.01
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
1900N 6600E	0.2	138	339	58.0	24.4	56.8	5	0.26	220	10.3	5.87	2.34	17	3.1	8.77	0.15	1.34	< 0.05	2.16	43	< 0.1	334	15.7
1900N 6700E	< 0.1	97	146	57.4	112	86.6	< 2	0.53	170	14.8	6.88	4.65	13	5.0	15.3	0.40	1.85	< 0.05	2.68	37	< 0.1	532	26.0
1900N 6800E	0.1	87	66	73.7	98.2	78.4	< 2	0.43	279	8.28	3.99	2.05	22	9.6	8.06	0.69	2.11	< 0.05	1.56	26	< 0.1	321	19.7
1900N 6900E	0.1	142	106	44.6	202	56.5	< 2	0.54	240	18.8	9.62	4.94	26	10.5	18.4	0.64	4.44	< 0.05	3.88	63	< 0.1	457	66.3
1900N 7000E	0.1	156	94	41.4	137	79.0	< 2	0.60	213	14.6	7.10	3.30	29	11.4	13.7	0.39	2.86	< 0.05	2.70	78	< 0.1	457	44.6
1900N 7100E	0.3	208	54	85.9	62.3	181	7	0.52	195	11.0	6.28	2.30	48	11.9	8.90	0.54	3.75	0.06	2.18	74	0.1	564	14.0
1900N 7200E	0.4	217	65	28.7	215	274	8	0.52	393	24.3	14.1	5.80	62	15.7	22.7	0.57	5.26	< 0.05	4.93	81	0.1	524	73.0
1900N 7300E	0.6	268	57	57.4	268	483	27	0.21	391	20.3	10.3	5.66	154	21.6	20.3	0.60	6.98	< 0.05	3.86	76	0.3	273	76.9
1900N 7400E	0.2	235	110	55.0	66.2	169	6	0.29	268	13.1	6.45	2.98	33	11.0	10.8	0.48	4.49	< 0.05	2.45	89	< 0.1	322	17.1
1900N 7500E	0.2	184	60	91.6	135	158	7	0.53	339	15.2	8.09	3.47	47	12.5	13.6	0.44	3.78	< 0.05	3.04	73	0.1	420	36.7
1900N 7600E	0.4	143	84	51.1	190	428	13	0.32	511	18.6	9.24	4.41	67	15.2	16.0	0.69	4.23	< 0.05	3.47	57	0.2	352	51.1
1900N 7700E	0.3	265	48	88.3	68.9	114	2	0.51	294	8.05	4.06	2.00	43	17.9	7.65	0.46	3.03	< 0.05	1.49	85	< 0.1	455	15.9

Analyte Symbol	Li	Lu	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb	Sc	Se	Sm	Sr	Ta	Tb	Te
Unit Symbol	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.2	0.01	2	0.1	2	0.2	0.03	0.2	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2	0.5	1	0.03	0.1	0.01	0.01	1
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
600N 7200E	14.3	0.75	8	83200	7	2.7	49.1	62.2	436	1.9	11.8	< 0.5	52.8	0.01	< 0.05	1.1	28.8	4	13.0	45.2	0.05	2.56	< 1
600N 7300E	3.2	0.63	6	62100	6	5.1	56.4	35.7	411	3.2	14.3	< 0.5	40.2	< 0.01	< 0.05	1.3	32.5	2	13.2	43.7	0.26	2.34	< 1
600N 7400E	5.6	0.67	5	52500	12	7.3	58.9	31.8	325	2.5	15.0	< 0.5	55.1	< 0.01	< 0.05	0.8	28.6	5	13.4	77.8	0.15	2.15	< 1
600N 7500E	1.7	1.02	16	143000	11	3.6	68.7	35.6	159	2.7	16.7	< 0.5	61.9	0.01	< 0.05	0.8	44.5	3	17.2	190	0.13	3.35	< 1
600N 7600E	< 0.2	0.25	14	196000	20	1.7	16.7	27.4	162	0.5	3.78	< 0.5	44.7	< 0.01	< 0.05	0.6	18.3	< 1	4.37	104	0.11	0.88	< 1
600N 7700E	5.1	0.72	24	194000	13	5.1	53.0	54.7	359	2.5	12.6	< 0.5	34.9	< 0.01	< 0.05	1.9	47.0	3	13.7	173	0.21	2.88	< 1
600N 7800E	15.4	0.37	22	214000	63	5.5	14.8	69.1	596	2.6	3.22	< 0.5	81.5	< 0.01	< 0.05	1.1	31.5	2	4.44	133	0.22	1.10	< 1
600N 7900E	2.4	2.69	17	23700	7	1.0	160	26.6	135	2.2	35.6	< 0.5	80.5	0.03	< 0.05	1.4	62.7	8	43.0	142	0.08	8.32	< 1
700N 7200E	< 0.2	1.18	5	42000	5	0.9	72.3	13.7	133	1.7	16.6	< 0.5	61.8	< 0.01	< 0.05	0.7	30.4	3	17.6	53.5	< 0.01	3.50	< 1
700N 7300E	< 0.2	0.29	11	103000	15	1.7	20.2	17.0	67.0	0.9	4.64	< 0.5	96.8	< 0.01	< 0.05	0.9	21.1	< 1	5.20	138	0.02	0.99	< 1
700N 7400E	4.4	0.43	8	143000	6	3.7	32.8	23.3	118	1.1	7.84	< 0.5	106	< 0.01	< 0.05	0.6	28.3	< 1	8.11	146	0.08	1.52	< 1
700N 7500E	2.6	1.10	19	59700	22	2.9	65.9	29.0	31.5	2.4	13.6	< 0.5	55.5	0.05	< 0.05	1.7	39.7	16	16.2	422	0.15	3.13	< 1
700N 7600E	10.5	0.95	19	206000	19	5.2	56.7	54.9	593	2.2	12.6	< 0.5	44.7	< 0.01	< 0.05	1.2	52.3	6	15.7	210	0.23	3.46	< 1
700N 7700E	< 0.2	1.09	11	79100	13	2.2	65.9	23.5	79.5	1.5	15.2	< 0.5	66.1	< 0.01	< 0.05	0.7	40.9	2	16.8	136	0.07	3.24	< 1
700N 7800E	1.7	0.96	16	183000	14	2.4	62.1	32.7	187	1.6	13.6	< 0.5	76.2	< 0.01	< 0.05	0.6	40.5	2	15.4	145	< 0.01	3.35	< 1
700N 7900E	< 0.2	1.26	8	95900	10	2.1	89.2	25.9	217	2.6	21.3	< 0.5	55.2	< 0.01	< 0.05	0.5	47.4	3	21.6	69.2	0.04	4.20	< 1
800N 7200E	< 0.2	1.45	7	100000	10	2.2	88.9	29.5	122	2.4	20.3	< 0.5	37.6	< 0.01	< 0.05	2.1	65.6	3	24.5	70.8	0.15	4.64	< 1
800N 7300E	6.6	1.50	12	52400	10	5.0	113	34.1	533	2.2	24.4	< 0.5	36.4	0.04	< 0.05	1.0	51.0	8	30.0	177	0.31	5.16	< 1
800N 7400E	2.8	0.62	16	131000	21	4.3	43.1	30.7	102	2.1	9.34	< 0.5	89.7	< 0.01	< 0.05	1.1	55.4	1	11.2	308	0.13	1.93	< 1
800N 7500E	< 0.2	0.23	4	67300	9	0.6	16.9	9.6	32.3	< 0.5	4.02	< 0.5	144	< 0.01	< 0.05	0.5	16.0	< 1	4.12	58.9	< 0.01	0.36	< 1
800N 7600E	9.9	0.80	11	203000	9	4.3	38.1	54.7	290	2.5	8.40	< 0.5	61.4	< 0.01	< 0.05	0.9	39.9	3	10.6	85.8	0.02	2.12	< 1
800N 7700E	23.8	1.38	15	141000	30	7.3	76.6	69.3	501	3.6	17.6	< 0.5	30.7	0.01	< 0.05	1.2	56.6	5	21.4	176	0.10	4.11	< 1
800N 7800E	< 0.2	1.99	15	87100	10	2.0	105	28.3	70.3	1.8	23.6	< 0.5	75.1	< 0.01	< 0.05	1.0	47.1	5	27.5	178	< 0.01	4.94	< 1
800N 7900E	4.0	2.18	18	117000	7	2.0	119	55.2	186	1.9	27.0	< 0.5	41.3	< 0.01	< 0.05	0.6	43.7	4	31.0	147	< 0.01	5.88	< 1
900N 7100E	5.2	0.24	21	169000	22	1.5	9.68	53.4	224	< 0.5	2.16	< 0.5	19.2	< 0.01	< 0.05	2.0	24.4	2	3.25	195	< 0.01	0.33	< 1
900N 7200E	< 0.2	0.44	6	103000	6	2.3	31.6	17.2	154	1.8	7.71	< 0.5	60.0	< 0.01	< 0.05	0.7	28.8	< 1	7.74	43.9	< 0.01	1.11	< 1
900N 7300E	3.1	0.69	12	177000	17	3.2	38.6	50.2	428	1.7	9.11	< 0.5	70.8	< 0.01	< 0.05	0.7	31.8	1	10.5	130	0.02	1.90	< 1
900N 7400E	< 0.2	< 0.01	7	114000	19	1.6	23.9	16.3	46.8	0.9	4.95	< 0.5	80.4	0.02	< 0.05	0.7	28.5	< 1	5.86	123	< 0.01	0.33	< 1
900N 7500E	1.5	< 0.01	21	166000	21	1.9	23.4	24.7	90.5	0.6	4.85	< 0.5	42.6	< 0.01	< 0.05	0.8	26.6	3	5.89	190	< 0.01	0.52	< 1
900N 7600E	6.9	0.61	11	185000	10	3.5	51.8	55.6	289	2.6	10.7	< 0.5	57.1	< 0.01	< 0.05	0.7	41.9	5	14.8	117	< 0.01	2.74	< 1
900N 7700E	9.2	2.37	16	177000	12	3.3	140	40.8	245	2.7	28.6	< 0.5	72.9	< 0.01	< 0.05	0.9	63.2	9	38.3	246	0.04	7.59	< 1
900N 7800E	0.3	0.05	13	105000	26	3.1	32.3	25.4	132	1.1	7.52	< 0.5	140	< 0.01	< 0.05	0.5	28.8	4	7.87	200	0.01	0.70	< 1
900N 7900E	3.7	0.64	9	98100	11	4.5	62.7	40.1	212	1.8	14.7	< 0.5	54.9	< 0.01	< 0.05	0.8	34.2	3	15.7	77.8	0.05	2.53	< 1
1000N 6900E	< 0.2	0.49	15	62300	13	1.6	67.9	16.8	84.7	1.9	15.6	< 0.5	99.1	< 0.01	< 0.05	0.4	37.1	< 1	16.4	99.5	< 0.01	2.41	< 1
1000N 7000E	2.5	0.21	9	88400	7	4.7	45.0	20.9	484	2.4	10.8	< 0.5	48.1	< 0.01	< 0.05	1.6	40.2	< 1	10.9	69.4	0.20	1.45	< 1
1000N 7100E	3.6	2.06	22	100000	63	1.9	73.6	162	101	2.4	12.4	< 0.5	33.6	< 0.01	< 0.05	24.1	57.6	7	25.0	300	0.03	5.13	< 1
1000N 7200E	2.3	1.68	26	105000	14	1.8	106	32.8	134	2.2	22.3	< 0.5	73.4	0.04	< 0.05	2.0	61.8	11	27.7	286	< 0.01	5.36	< 1
1000N 7300E	< 0.2	1.26	14	57100	19	4.4	102	19.7	213	3.0	23.7	< 0.5	117	< 0.01	< 0.05	0.8	61.0	5	25.5	176	0.20	4.54	< 1
1000N 7400E	3.7	0.65	11	123000	7	4.2	68.9	46.8	311	2.7	16.6	< 0.5	69.5	< 0.01	< 0.05	0.7	42.8	4	16.8	95.6	0.07	2.71	< 1
1000N 7500E	< 0.2	< 0.01	3	121000	7	0.6	30.8	15.2	113	0.8	6.92	< 0.5	259	0.01	< 0.05	0.9	23.7	3	6.84	48.2	< 0.01	0.77	< 1
1000N 7600E	0.5	0.79	16	187000	8	1.6	76.2	56.9	220	1.7	17.6	< 0.5	105	0.01	< 0.05	1.2	40.7	9	19.0	129	< 0.01	3.53	< 1
1000N 7700E	8.1	0.36	25	160000	16	4.3	43.4	110	286	1.9	10.1	< 0.5	43.0	< 0.01	< 0.05	1.3	45.5	8	11.2	268	0.02	2.27	< 1
1000N 7800E	11.4	0.11	19	134000	14	4.2	26.9	48.3	301	1.4	6.24	< 0.5	53.2	< 0.01	< 0.05	1.0	32.9	2	6.51	183	0.05	1.12	< 1
1000N 7900E	14.3	< 0.01	9	25800	40	4.8	41.0	62.1	315	1.6	10.3	< 0.5	9.8	< 0.01	< 0.05	1.0	32.4	7	9.36	84.9	< 0.01	1.31	< 1
1100N 6800E	< 0.2	0.18	9	106000	9	4.1	54.2	27.2	235	3.1	12.7	< 0.5	69.9	0.01	< 0.05	0.9	48.2	6	13.9	70.9	0.02	2.30	< 1
1100N 6900E	< 0.2	< 0.01	8	70000	6	2.4	36.6	35.4	183	1.5	8.60	< 0.5	95.1	< 0.01	< 0.05	0.7	25.3	4	8.68	84.7	< 0.01	1.17	< 1
1100N 7000E	< 0.2	0.75	14	55800	10	3.9	81.1	26.5	100	2.8	18.1	< 0.5	46.6	< 0.01	< 0.05	1.3	59.4	5	21.3	172	0.13	3.61	< 1
1100N 7100E	< 0.2	0.79	12	79100	12	2.6	95.1	17.3	118	2.8	22.7	< 0.5	94.7	< 0.01	< 0.05	0.9	53.1	5	23.3	99.5	< 0.01	3.87	< 1
1100N 7200E	< 0.2	0.06	6	13400	26	0.5	40.3	65.8	20.5	0.8	7.89	< 0.5	86.8	0.03	< 0.05	3.9	24.1	9	9.43	490	< 0.01	1.10	< 1
1100N 7300E	< 0.2	1.24	21	68100	20	4.0	130	21.6	184	3.9	29.6	< 0.5	94.0	0.01	< 0.05	1.6	75.0	6	31.3	232	0.07	5.42	< 1

Analyte Symbol	Li	Lu	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb	Sc	Se	Sm	Sr	Ta	Tb	Te
Unit Symbol	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.2	0.01	2	0.1	2	0.2	0.03	0.2	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2	0.5	1	0.03	0.1	0.01	0.01	1
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
1100N 7400E	< 0.2	0.42	21	128000	16	3.4	70.3	26.3	270	2.6	16.7	< 0.5	103	< 0.01	< 0.05	0.8	42.9	8	17.0	238	0.12	2.70	< 1
1100N 7500E	< 0.2	1.79	7	197000	12	3.1	157	19.6	244	4.6	34.7	< 0.5	107	0.01	< 0.05	1.2	78.5	13	39.5	139	0.01	7.30	< 1
1100N 7600E	11.0	< 0.01	47	236000	69	5.4	18.3	61.9	289	1.3	3.76	< 0.5	39.9	0.02	< 0.05	1.8	53.0	5	5.32	456	< 0.01	0.75	< 1
1100N 7700E	6.9	0.40	19	177000	13	4.0	70.2	39.3	100	1.9	16.6	< 0.5	101	< 0.01	< 0.05	0.5	56.5	2	17.4	212	0.09	2.65	< 1
1100N 7800E	< 0.2	0.69	21	103000	13	1.7	92.0	27.8	126	1.3	21.0	< 0.5	68.1	< 0.01	< 0.05	0.6	43.1	2	22.5	287	< 0.01	3.57	< 1
1100N 7900E	5.6	1.38	14	110000	7	4.7	136	38.7	224	3.2	34.0	< 0.5	90.0	< 0.01	< 0.05	0.9	69.5	3	34.0	139	0.07	6.20	< 1
1200N 6700E	< 0.2	1.11	15	97000	6	2.8	115	33.3	388	3.1	27.2	< 0.5	76.9	< 0.01	< 0.05	0.7	57.9	2	27.3	85.9	< 0.01	4.35	< 1
1200N 6800E	6.9	< 0.01	19	90900	13	5.8	19.8	40.8	263	1.7	4.52	< 0.5	35.6	< 0.01	< 0.05	1.4	51.0	< 1	5.22	237	0.19	0.42	< 1
1200N 6900E	< 0.2	0.87	11	5680	5	3.3	123	35.2	195	3.0	29.8	< 0.5	29.3	< 0.01	< 0.05	0.9	50.9	5	29.1	99.1	< 0.01	4.22	< 1
1200N 7000E	23.1	0.39	8	173000	4	5.2	49.7	46.3	222	1.1	10.8	< 0.5	53.2	< 0.01	< 0.05	0.7	48.7	< 1	13.8	74.9	0.17	2.14	< 1
1200N 7100E	6.8	0.39	15	62200	11	5.4	56.1	34.9	255	2.3	14.1	< 0.5	32.7	< 0.01	< 0.05	1.0	50.6	< 1	14.1	72.0	0.01	2.42	< 1
1200N 7200E	21.0	0.16	18	92300	10	8.1	36.0	62.3	360	2.0	8.94	< 0.5	25.3	< 0.01	< 0.05	1.4	46.8	3	8.57	152	0.20	1.27	< 1
1200N 7300E	10.3	4.79	60	125000	13	6.6	247	36.4	376	5.4	53.0	< 0.5	26.0	0.27	< 0.05	1.9	108	25	64.8	733	0.21	12.2	< 1
1200N 7400E	7.2	1.12	27	38400	12	7.7	119	61.3	354	3.5	29.5	< 0.5	35.4	0.01	< 0.05	1.7	71.1	18	29.1	431	0.25	4.49	< 1
1200N 7500E	< 0.2	0.73	14	53600	13	3.3	78.8	23.4	375	2.9	19.4	< 0.5	139	0.02	< 0.05	1.1	43.8	5	18.8	186	0.02	2.96	< 1
1200N 7600E	< 0.2	1.40	7	62000	10	3.3	138	21.2	344	4.2	33.2	< 0.5	103	< 0.01	< 0.05	0.5	58.3	3	32.2	99.0	< 0.01	5.25	< 1
1200N 7700E	3.8	0.23	22	182000	18	4.0	34.7	40.4	171	1.0	7.49	< 0.5	70.6	< 0.01	< 0.05	0.7	52.0	2	8.99	200	0.11	1.35	< 1
1200N 7800E	1.7	0.76	15	144000	8	2.5	71.4	76.5	258	1.7	17.8	< 0.5	79.0	< 0.01	< 0.05	0.6	35.7	2	18.2	99.4	< 0.01	2.97	< 1
1200N 7900E	1.1	1.98	14	42300	8	4.2	186	26.0	188	3.3	44.3	< 0.5	65.5	< 0.01	< 0.05	0.8	76.5	5	45.1	201	0.38	7.47	< 1
1300N 6500E	8.8	1.09	27	10900	11	3.7	121	56.8	35.3	1.5	25.9	< 0.5	8.3	0.13	< 0.05	2.8	33.1	12	29.2	482	0.04	4.18	< 1
1300N 6600E	64.8	0.90	12	2100	5	12.3	80.4	28.9	331	2.5	20.5	< 0.5	38.2	< 0.01	< 0.05	0.8	53.4	2	19.1	118	0.35	3.05	< 1
1300N 6700E	< 0.2	0.56	14	93200	6	2.9	41.2	21.5	231	2.0	10.7	< 0.5	71.7	< 0.01	< 0.05	0.8	36.7	< 1	9.99	79.2	< 0.01	1.96	< 1
1300N 6800E	< 0.2	0.60	3	43700	4	1.6	51.3	22.9	163	1.4	13.8	< 0.5	59.6	< 0.01	< 0.05	0.4	29.5	< 1	12.2	38.0	< 0.01	2.09	< 1
1300N 6900E	< 0.2	1.65	8	53200	13	1.3	117	10.5	107	2.9	28.4	< 0.5	103	< 0.01	< 0.05	0.7	58.0	4	28.7	119	< 0.01	4.83	< 1
1300N 7000E	4.8	0.66	19	202000	11	3.8	38.8	28.5	207	0.9	8.47	< 0.5	58.6	< 0.01	< 0.05	0.7	47.1	< 1	10.8	180	0.06	2.07	< 1
1300N 7100E	< 0.2	0.84	12	181000	12	1.7	40.4	24.6	197	1.2	8.93	< 0.5	141	< 0.01	< 0.05	1.4	37.5	< 1	12.1	189	< 0.01	2.58	< 1
1300N 7200E	5.5	1.96	56	181000	61	7.5	94.9	52.4	602	3.0	20.6	< 0.5	63.4	< 0.01	< 0.05	2.3	91.2	18	27.4	715	0.09	5.84	< 1
1300N 7300E	0.7	0.44	21	103000	9	4.7	36.1	24.1	107	1.6	9.27	< 0.5	52.4	< 0.01	< 0.05	0.9	38.2	< 1	8.37	311	0.10	1.52	< 1
1300N 7400E	5.9	0.90	12	122000	17	8.9	73.1	39.1	285	3.9	19.3	< 0.5	51.4	< 0.01	< 0.05	1.0	62.2	9	18.1	170	0.15	3.32	< 1
1300N 7500E	< 0.2	0.76	9	81800	18	4.4	71.1	45.2	324	2.2	16.5	0.9	70.7	0.01	< 0.05	1.0	33.5	4	15.1	136	0.01	2.23	< 1
1300N 7600E	< 0.2	1.01	10	116000	8	2.9	88.1	18.1	130	2.9	20.3	< 0.5	146	< 0.01	< 0.05	0.8	48.4	3	18.7	132	0.06	3.04	< 1
1300N 7700E	36.0	1.00	9	13000	9	9.3	88.5	67.8	342	3.5	21.0	< 0.5	45.6	0.02	< 0.05	1.7	65.3	11	19.3	130	0.14	3.03	< 1
1300N 7800E	4.8	0.84	7	93800	12	4.1	77.1	52.5	188	2.5	18.2	< 0.5	68.7	< 0.01	< 0.05	0.7	39.1	3	16.5	85.5	< 0.01	2.67	< 1
1300N 7900E	< 0.2	1.22	9	82100	8	1.1	105	15.8	106	1.8	23.8	< 0.5	115	0.01	< 0.05	1.0	36.7	13	23.4	102	< 0.01	3.97	< 1
1400N 6500E	< 0.2	0.73	7	33500	4	1.9	57.0	23.4	141	2.0	13.1	0.7	50.6	< 0.01	< 0.05	1.1	34.0	< 1	12.7	59.9	< 0.01	2.07	< 1
1400N 6600E	< 0.2	0.58	6	20100	5	1.4	48.7	26.4	123	1.5	11.3	< 0.5	56.2	< 0.01	< 0.05	< 0.2	29.3	< 1	10.9	51.4	< 0.01	1.54	< 1
1400N 6700E	0.3	0.37	4	103000	5	2.8	23.7	21.5	120	1.4	5.88	< 0.5	103	< 0.01	< 0.05	0.5	32.7	3	5.67	34.5	0.13	1.13	< 1
1400N 6800E	< 0.2	1.30	3	65300	6	1.7	82.1	16.6	110	1.8	18.6	< 0.5	104	< 0.01	< 0.05	0.7	53.4	4	20.4	40.9	0.09	4.01	< 1
1400N 6900E	18.1	0.96	54	4820	18	2.4	84.0	68.7	13.1	2.2	17.5	< 0.5	33.9	0.03	< 0.05	3.1	36.3	24	20.4	1470	0.14	3.33	< 1
1400N 7000E	3.3	1.33	11	96200	5	7.4	97.4	23.1	223	3.2	22.7	< 0.5	90.5	< 0.01	< 0.05	1.0	62.5	4	24.7	101	0.28	4.92	< 1
1400N 7100E	< 0.2	1.23	8	74500	7	4.2	103	16.0	190	3.7	25.6	< 0.5	87.8	< 0.01	< 0.05	0.4	58.4	4	23.0	58.1	0.17	4.29	< 1
1400N 7200E	11.0	0.93	19	147000	29	5.4	61.0	34.2	90.8	1.9	12.6	< 0.5	57.1	< 0.01	< 0.05	1.0	59.4	4	14.8	248	0.25	2.96	< 1
1400N 7300E	2.5	0.78	20	125000	21	4.7	58.0	26.2	177	2.1	13.3	< 0.5	53.1	< 0.01	< 0.05	0.8	44.5	3	13.5	205	0.19	2.77	< 1
1400N 7400E	4.9	0.73	15	72100	9	4.5	52.4	46.5	326	1.5	12.4	< 0.5	46.6	< 0.01	< 0.05	0.6	29.5	4	12.4	130	0.21	2.33	< 1
1400N 7500E	< 0.2	1.55	7	19900	8	2.3	114	20.8	213	2.4	27.2	< 0.5	70.9	0.01	< 0.05	0.7	47.9	12	27.0	91.8	0.13	5.25	< 1
1400N 7600E	3.8	1.34	18	94700	13	4.2	33.4	47.9	401	1.4	8.18	< 0.5	83.5	0.01	< 0.05	0.7	30.7	3	7.35	214	0.17	1.58	< 1
1400N 7700E	9.1	0.40	7	69200	4	5.1	44.6	41.2	186	1.8	11.7	< 0.5	105	< 0.01	< 0.05	0.4	32.8	4	10.3	60.5	0.24	1.86	< 1
1500N 6500E	< 0.2	1.03	7	72000	5	1.1	71.4	16.6	149	1.6	16.7	< 0.5	74.2	< 0.01	< 0.05	0.5	35.6	3	17.6	47.6	0.07	3.60	< 1
1500N 6600E	< 0.2	1.57	6	65800	9	1.6	136	6.6	106	2.8	33.0	< 0.5	107	< 0.01	< 0.05	0.5	71.9	5	31.2	75.0	0.11	5.74	< 1
1500N 6700E	< 0.2	0.46	3	27500	4	0.6	44.7	7.1	83.6	0.9	10.9	< 0.5	73.7	< 0.01	< 0.05	0.5	28.8	3	10.1	59.9	0.03	1.83	< 1

Analyte Symbol	Li	Lu	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb	Sc	Se	Sm	Sr	Ta	Tb	Te
Unit Symbol	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.2	0.01	2	0.1	2	0.2	0.03	0.2	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2	0.5	1	0.03	0.1	0.01	0.01	1
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
1500N 6800E	< 0.2	1.15	8	54000	10	2.4	78.8	9.2	65.0	2.3	17.7	< 0.5	165	< 0.01	< 0.05	0.5	42.7	3	18.3	111	0.13	3.30	< 1
1500N 6900E	< 0.2	0.29	11	112000	11	2.9	19.9	15.9	64.3	0.8	4.73	< 0.5	72.2	< 0.01	< 0.05	0.5	21.4	< 1	4.56	90.1	0.19	0.84	< 1
1500N 7000E	1.4	0.73	8	78800	5	3.6	48.2	22.7	137	1.9	11.8	< 0.5	58.4	< 0.01	< 0.05	0.7	44.1	2	11.1	49.7	0.21	2.27	< 1
1500N 7100E	< 0.2	1.12	14	64600	10	3.8	80.2	21.5	201	2.5	18.9	< 0.5	94.5	< 0.01	< 0.05	0.8	43.7	4	19.6	113	0.19	3.54	< 1
1500N 7200E	0.4	0.87	9	85000	7	4.5	79.8	9.4	142	2.0	20.1	< 0.5	72.9	< 0.01	< 0.05	0.8	38.3	3	18.4	115	0.28	2.83	< 1
1500N 7300E	1.5	0.92	24	115000	25	6.5	64.8	26.2	137	1.9	14.0	< 0.5	112	< 0.01	< 0.05	2.4	57.4	4	17.2	294	0.31	3.10	< 1
1500N 7400E	< 0.2	0.83	10	135000	17	2.2	54.9	13.3	100	2.1	12.2	< 0.5	145	< 0.01	< 0.05	1.0	44.6	4	14.7	160	0.17	2.59	< 1
1500N 7500E	< 0.2	1.55	7	57500	13	3.2	72.9	20.1	182	1.2	16.3	< 0.5	50.0	< 0.01	< 0.05	1.0	47.4	4	21.2	106	0.17	4.25	< 1
1500N 7600E	< 0.2	0.90	6	66700	6	2.2	67.7	19.7	229	2.3	16.6	< 0.5	80.8	< 0.01	< 0.05	0.4	41.4	3	16.7	71.1	0.14	2.96	< 1
1500N 7700E	48.2	4.02	7	44700	5	12.5	378	96.4	484	5.2	87.2	< 0.5	11.2	< 0.01	< 0.05	2.0	112	10	92.4	217	0.46	14.7	< 1
1600N 6500E	< 0.2	1.06	15	102000	6	0.9	68.1	40.6	188	1.1	17.0	< 0.5	126	< 0.01	< 0.05	0.4	26.7	2	17.1	95.2	0.06	2.97	< 1
1600N 6600E	< 0.2	2.10	23	60700	20	2.0	121	27.4	54.8	1.6	25.2	< 0.5	38.0	< 0.01	< 0.05	0.9	62.8	6	33.2	244	0.12	6.31	< 1
1600N 6700E	5.1	0.70	25	20400	9	4.0	50.8	60.4	193	1.2	12.3	< 0.5	44.6	< 0.01	< 0.05	0.5	31.4	4	13.5	204	0.19	2.34	< 1
1600N 6800E	1.0	0.80	12	56900	9	5.0	51.4	18.6	117	2.2	13.1	< 0.5	51.8	< 0.01	< 0.05	0.7	38.7	2	13.0	106	0.26	2.34	< 1
1600N 6900E	< 0.2	1.22	8	44400	7	2.4	80.5	21.3	105	1.6	20.8	< 0.5	98.2	< 0.01	< 0.05	0.6	36.1	3	20.0	79.1	0.11	3.60	< 1
1600N 7000E	3.6	0.86	14	71100	16	5.2	59.0	21.0	109	2.8	15.3	< 0.5	59.0	< 0.01	< 0.05	0.6	58.9	3	15.1	221	0.30	2.72	< 1
1600N 7100E	< 0.2	0.62	10	112000	6	2.4	33.8	31.7	97.8	1.1	8.66	< 0.5	115	< 0.01	< 0.05	0.5	20.5	2	8.51	59.9	0.13	1.68	< 1
1600N 7200E	< 0.2	0.86	4	26200	5	1.8	75.8	7.3	94.2	1.5	19.4	< 0.5	95.7	< 0.01	< 0.05	0.7	26.2	2	18.4	52.6	0.11	3.13	< 1
1600N 7300E	11.7	1.61	14	139000	6	6.8	96.0	52.0	257	3.7	24.5	< 0.5	53.1	< 0.01	< 0.05	0.9	67.4	4	26.5	160	0.30	5.19	< 1
1600N 7400E	13.3	2.39	14	105000	8	4.7	135	27.0	243	2.3	32.4	< 0.5	97.5	0.04	< 0.05	1.3	54.7	8	36.3	275	0.20	6.56	< 1
1600N 7500E	2.7	0.63	19	133000	13	4.5	39.3	34.9	171	1.5	9.86	< 0.5	28.1	< 0.01	< 0.05	1.2	37.5	2	10.2	236	0.24	2.02	< 1
1600N 7600E	< 0.2	0.48	12	32600	13	2.9	34.7	15.4	143	1.7	8.88	< 0.5	51.2	< 0.01	< 0.05	0.9	32.2	3	9.02	148	0.19	1.75	< 1
1600N 7700E	1.1	2.15	7	91700	6	4.6	139	45.4	156	3.5	32.7	< 0.5	72.7	< 0.01	< 0.05	1.0	71.2	5	34.5	90.7	0.22	6.46	< 1
1700N 6500E	< 0.2	0.95	5	11700	5	2.0	68.5	21.0	102	1.7	16.7	< 0.5	60.9	< 0.01	< 0.05	0.8	34.7	3	17.1	60.6	0.11	2.94	< 1
1700N 6600E	< 0.2	0.10	4	31000	11	1.6	6.20	23.3	14.5	< 0.5	1.34	< 0.5	108	< 0.01	< 0.05	0.9	16.4	2	1.43	145	0.16	0.26	< 1
1700N 6700E	20.1	1.21	40	129000	21	1.5	25.8	64.7	1850	0.6	5.25	< 0.5	116	< 0.01	< 0.05	1.0	14.4	6	7.97	454	0.08	2.15	< 1
1700N 6800E	8.2	1.32	18	16600	23	1.5	77.6	54.8	12.7	1.1	15.7	< 0.5	25.3	0.02	< 0.05	1.5	31.7	11	20.5	619	0.19	3.47	< 1
1700N 6900E	< 0.2	0.56	15	120000	12	3.4	44.8	16.0	100.0	1.8	10.7	< 0.5	73.3	< 0.01	< 0.05	0.7	36.3	2	10.8	155	0.22	1.88	< 1
1700N 7000E	< 0.2	1.62	11	104000	8	3.8	107	25.8	177	3.1	25.8	< 0.5	103	< 0.01	< 0.05	0.9	46.5	3	26.2	96.6	0.19	4.76	< 1
1700N 7100E	0.9	0.41	20	32100	20	2.2	32.3	25.2	27.3	1.0	6.86	< 0.5	60.4	0.07	< 0.05	1.4	28.6	7	8.07	576	0.13	1.21	< 1
1700N 7200E	< 0.2	1.06	4	52200	7	1.6	124	11.3	256	1.4	29.0	< 0.5	106	< 0.01	< 0.05	0.8	31.4	3	29.1	78.3	0.08	4.58	< 1
1700N 7300E	< 0.2	1.26	7	39600	9	1.6	146	8.1	133	2.4	35.1	< 0.5	119	< 0.01	< 0.05	0.6	42.9	4	33.0	99.8	0.06	5.42	< 1
1700N 7400E	3.8	2.49	20	77000	6	7.1	165	42.0	186	5.0	37.0	< 0.5	112	< 0.01	< 0.05	1.1	76.8	6	40.5	444	0.30	7.78	< 1
1700N 7500E	< 0.2	0.84	13	155000	16	4.5	67.6	18.7	92.8	2.2	14.9	< 0.5	120	< 0.01	< 0.05	1.6	51.5	3	16.8	209	0.22	2.95	< 1
1700N 7600E	10.2	1.65	6	130000	7	5.8	125	26.1	211	3.3	28.8	< 0.5	72.0	< 0.01	< 0.05	0.9	61.6	5	30.7	135	0.20	5.80	< 1
1700N 7700E	3.5	0.47	21	100000	11	4.9	36.8	26.2	129	1.0	8.31	< 0.5	33.9	< 0.01	< 0.05	1.2	40.9	3	9.30	417	0.30	1.58	< 1
1800N 6500E	< 0.2	4.97	10	48700	7	2.1	276	18.9	93.0	2.6	57.9	< 0.5	80.3	< 0.01	< 0.05	0.6	109	6	70.1	181	0.16	13.9	< 1
1800N 6600E	< 0.2	1.25	6	55500	7	2.5	92.7	10.3	94.9	2.4	22.2	< 0.5	70.7	< 0.01	< 0.05	0.7	52.6	2	21.5	74.3	0.13	3.94	< 1
1800N 6700E	10.7	0.42	28	148000	21	4.7	24.7	30.0	161	1.1	5.15	< 0.5	32.8	< 0.01	< 0.05	1.2	54.7	3	6.59	287	0.19	0.95	< 1
1800N 6800E	20.3	1.22	24	84700	10	7.2	60.5	47.2	332	2.0	13.4	< 0.5	52.5	< 0.01	< 0.05	0.9	47.2	8	15.4	269	0.20	2.81	< 1
1800N 6900E	6.3	0.36	7	64300	8	3.8	25.9	16.9	69.5	0.7	6.08	< 0.5	68.4	< 0.01	< 0.05	0.7	26.4	2	5.76	57.6	0.23	0.62	< 1
1800N 7000E	< 0.2	0.39	11	101000	13	2.9	31.8	18.9	110	0.8	6.89	< 0.5	74.6	< 0.01	< 0.05	0.7	27.0	2	7.17	114	0.12	1.09	< 1
1800N 7100E	< 0.2	1.80	15	23600	11	2.9	118	36.0	167	1.8	26.5	< 0.5	69.9	< 0.01	< 0.05	1.1	47.2	5	27.7	135	0.14	5.21	< 1
1800N 7200E	< 0.2	0.40	9	105000	5	1.7	27.7	18.8	76.3	0.9	6.41	< 0.5	86.4	< 0.01	< 0.05	0.7	17.3	2	6.52	79.4	0.09	0.83	< 1
1800N 7300E	1.2	0.95	8	147000	5	2.3	60.8	40.3	143	2.0	13.9	< 0.5	77.2	< 0.01	< 0.05	0.8	31.8	5	15.0	75.5	0.09	2.85	< 1
1800N 7400E	24.3	0.29	19	118000	13	7.2	25.9	42.1	233	1.7	6.17	< 0.5	19.0	< 0.01	< 0.05	0.4	46.4	3	5.53	226	0.27	0.86	< 1
1800N 7500E	< 0.2	0.28	24	57200	25	3.3	19.6	25.3	28.3	1.0	4.26	< 0.5	96.5	< 0.01	< 0.05	1.5	34.5	3	4.76	164	0.25	0.85	< 1
1800N 7600E	15.2	0.79	13	73200	8	5.2	70.3	45.4	206	2.4	17.6	< 0.5	35.3	< 0.01	< 0.05	1.0	47.8	4	16.2	156	0.25	2.96	< 1
1800N 7700E	< 0.2	0.36	8	93200	11	3.5	37.1	10.8	49.2	1.3	8.79	< 0.5	80.1	< 0.01	< 0.05	0.8	28.3	< 1	8.51	108	0.19	1.39	< 1
1900N 6500E	4.8	0.39	21	171000	11	4.7	13.9	56.1	357	1.7	2.95	< 0.5	141	< 0.01	< 0.05	0.8	20.2	2	4.09	224	0.20	1.00	< 1

Analyte Symbol	Li	Lu	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb	Sc	Se	Sm	Sr	Ta	Tb	Te
Unit Symbol	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.2	0.01	2	0.1	2	0.2	0.03	0.2	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2	0.5	1	0.03	0.1	0.01	0.01	1
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
1900N 6600E	2.5	0.67	28	26100	8	1.7	32.8	22.0	186	0.7	6.69	< 0.5	47.2	< 0.01	< 0.05	0.6	19.5	5	8.51	557	0.15	1.80	< 1
1900N 6700E	11.1	0.71	23	140000	30	2.5	57.1	36.9	40.6	1.1	11.7	< 0.5	65.0	< 0.01	< 0.05	0.9	44.1	2	15.3	322	0.15	2.78	< 1
1900N 6800E	< 0.2	0.41	8	158000	8	1.9	35.5	19.0	70.4	0.9	8.14	< 0.5	112	< 0.01	< 0.05	0.6	21.2	1	8.76	105	0.10	1.52	< 1
1900N 6900E	< 0.2	1.07	11	75300	9	2.5	81.4	12.8	84.5	2.1	19.7	< 0.5	89.3	< 0.01	< 0.05	1.0	39.5	2	18.5	142	0.10	3.90	< 1
1900N 7000E	< 0.2	0.79	9	51200	7	1.4	59.1	17.5	115	1.3	14.0	< 0.5	95.6	< 0.01	< 0.05	0.5	27.5	2	14.2	85.7	0.05	2.61	< 1
1900N 7100E	8.8	0.65	14	182000	8	3.3	32.3	46.4	229	1.3	6.87	< 0.5	174	< 0.01	< 0.05	0.8	32.1	3	8.75	159	0.09	1.87	< 1
1900N 7200E	0.9	1.54	13	109000	7	2.8	99.1	45.1	264	2.3	23.0	< 0.5	117	< 0.01	< 0.05	0.7	39.6	4	24.0	131	0.11	4.30	< 1
1900N 7300E	16.5	0.95	10	86000	12	6.5	90.7	69.3	396	2.6	21.8	< 0.5	54.5	< 0.01	< 0.05	1.3	43.0	5	21.5	242	0.24	3.76	< 1
1900N 7400E	< 0.2	0.69	17	216000	11	2.0	37.5	28.9	128	1.8	7.56	< 0.5	80.5	< 0.01	< 0.05	0.9	35.5	4	10.6	437	0.09	2.30	< 1
1900N 7500E	< 0.2	0.82	12	152000	7	2.9	55.2	47.5	133	1.5	12.4	< 0.5	93.4	< 0.01	< 0.05	1.1	32.3	3	13.2	177	0.11	2.68	< 1
1900N 7600E	4.0	0.85	14	107000	6	3.2	67.5	39.8	256	1.4	15.4	< 0.5	39.4	< 0.01	< 0.05	1.0	50.1	3	17.0	204	0.15	3.26	< 1
1900N 7700E	< 0.2	0.39	7	175000	7	3.4	30.9	23.6	137	1.1	6.73	< 0.5	86.5	< 0.01	< 0.05	0.8	22.1	2	7.84	86.3	0.14	1.47	< 1

Analyte Symbol	Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr	Al	Ca	Fe	K	Mg	Na	Cl	Br	I	V	As	Se	Mo
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2	0.5	0.5	5	1	5	2	5	2000	5	2	1	1	5	1
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
600N 7200E	8.49	< 0.2	0.95	10.5	94	0.71	63.9	5.72	2340	140	21.2	44	5	37	16	11	15000	128	27	58	9	< 5	3
600N 7300E	12.6	< 0.2	0.78	8.87	94	0.33	53.2	4.79	1010	239	40.0	55	14	24	12	10	10000	164	27	57	11	< 5	3
600N 7400E	11.0	< 0.2	0.83	6.77	65	0.50	51.8	4.88	629	181	41.5	86	13	25	9	12	12000	197	28	43	16	6	5
600N 7500E	12.2	< 0.2	1.23	11.5	53	0.61	88.1	7.66	1730	200	18.7	82	6	84	13	6	11000	64	22	81	16	< 5	6
600N 7600E	3.77	< 0.2	0.30	5.93	25	0.40	24.8	1.87	1630	43.3	14.5	82	4	54	16	< 5	8000	51	15	63	16	< 5	12
600N 7700E	13.8	< 0.2	0.98	12.2	60	0.50	70.5	5.78	3090	196	25.3	85	11	68	23	7	10000	101	25	95	18	< 5	8
600N 7800E	7.92	0.3	0.50	5.75	107	1.56	30.4	3.02	4750	166	38.5	82	12	105	29	7	20000	106	15	125	16	< 5	47
600N 7900E	10.6	< 0.2	3.22	13.0	74	0.23	243	20.4	646	156	12.2	78	7	19	17	7	4000	76	19	124	19	< 5	3
700N 7200E	7.31	< 0.2	1.32	9.61	32	< 0.01	98.4	8.27	290	130	13.7	53	3	30	9	8	8000	134	32	52	6	< 5	2
700N 7300E	4.41	< 0.2	0.36	7.20	< 1	0.22	24.4	2.34	1080	64.6	13.1	132	4	63	14	< 5	12000	131	44	68	15	< 5	11
700N 7400E	8.00	< 0.2	0.51	4.93	20	0.33	38.4	3.20	1660	82.7	23.9	119	9	45	11	9	14000	99	25	78	18	< 5	5
700N 7500E	6.37	< 0.2	1.25	7.80	15	1.53	97.3	7.69	169	184	18.0	229	8	28	19	13	6000	117	74	155	18	15	17
700N 7600E	13.6	< 0.2	1.23	15.1	47	1.45	88.8	7.20	3410	175	24.0	95	8	72	22	9	18000	101	24	106	19	5	13
700N 7700E	7.40	0.2	1.27	11.3	2	0.36	88.8	8.00	1050	119	17.0	104	6	77	15	5	8000	88	37	71	14	< 5	9
700N 7800E	8.56	0.3	1.21	9.51	29	0.33	84.8	7.19	2990	138	27.9	100	8	77	25	6	10000	82	28	124	24	< 5	11
700N 7900E	12.2	< 0.2	1.57	11.8	51	0.27	104	9.53	652	193	23.8	64	7	42	13	5	6000	77	27	67	13	< 5	4
800N 7200E	10.2	< 0.2	1.70	9.24	10	0.02	129	10.3	273	190	20.2	79	7	41	10	< 5	3000	45	22	55	9	< 5	5
800N 7300E	16.0	< 0.2	1.67	8.78	53	< 0.01	134	10.7	195	182	32.5	141	16	30	16	18	12000	142	31	101	14	6	6
800N 7400E	9.70	< 0.2	0.66	12.2	48	0.70	55.2	4.37	1280	157	21.4	156	9	106	16	6	14000	113	40	170	24	< 5	18
800N 7500E	3.82	< 0.2	0.12	4.07	5	< 0.01	18.8	1.05	250	39.6	13.1	95	4	51	7	< 5	5000	170	36	46	9	< 5	4
800N 7600E	11.1	0.2	0.93	10.3	69	0.52	67.0	5.78	4910	191	23.6	69	7	45	18	10	15000	111	33	83	19	< 5	7
800N 7700E	17.1	< 0.2	1.65	11.8	177	1.38	121	10.8	1790	316	33.9	66	11	64	24	12	27000	144	29	125	22	< 5	18
800N 7800E	8.07	0.2	2.06	14.5	39	0.26	175	13.7	984	142	16.9	105	5	69	22	10	16000	135	47	101	19	< 5	6
800N 7900E	8.84	< 0.2	2.39	10.4	42	0.03	187	15.8	3600	144	17.9	84	7	68	22	6	12000	64	23	110	16	< 5	5
900N 7100E	2.91	< 0.2	0.13	3.64	< 1	< 0.01	20.2	1.35	2340	24.0	16.0	152	8	68	24	5	23000	163	18	127	19	< 5	21
900N 7200E	8.60	< 0.2	0.41	6.77	16	0.06	37.2	3.15	896	139	28.2	61	10	64	13	7	13000	115	22	70	14	< 5	5
900N 7300E	8.19	< 0.2	0.77	8.67	67	0.47	63.6	5.39	1860	137	25.6	99	7	58	16	7	16000	100	17	105	13	< 5	13
900N 7400E	4.64	< 0.2	0.15	6.57	7	< 0.01	31.7	2.31	438	60.4	16.6	127	6	41	12	< 5	7000	93	23	50	11	< 5	13
900N 7500E	4.61	< 0.2	0.15	8.27	15	< 0.01	35.6	2.20	958	51.3	17.1	115	7	76	22	6	12000	69	22	94	11	< 5	17
900N 7600E	12.4	0.3	1.10	13.8	82	0.29	99.3	7.84	6320	201	24.2	78	7	44	16	8	13000	137	35	67	19	< 5	6
900N 7700E	14.4	< 0.2	3.15	16.7	63	0.34	259	20.3	4080	231	21.1	122	8	102	19	6	17000	98	38	188	39	< 5	8
900N 7800E	6.78	< 0.2	0.30	7.06	38	0.12	40.8	3.51	456	107	23.6	141	7	79	18	< 5	15000	106	27	86	15	< 5	19
900N 7900E	8.53	< 0.2	1.08	10.1	63	0.25	91.5	7.90	881	148	30.7	78	11	45	16	10	17000	139	25	65	15	< 5	7
1000N 6900E	9.18	< 0.2	0.86	9.99	50	0.88	81.9	6.98	311	152	15.0	84	5	54	18	< 5	10000	82	22	87	9	< 5	6
1000N 7000E	13.1	< 0.2	0.51	11.1	56	0.22	53.5	4.77	1510	203	29.9	73	9	41	14	10	8000	82	18	57	12	< 5	4
1000N 7100E	6.69	< 0.2	2.33	4.88	34	2.14	212	16.1	616	127	11.8	218	13	62	16	< 5	5000	54	39	164	17	< 5	35
1000N 7200E	9.76	< 0.2	2.15	14.6	51	0.19	188	14.2	891	162	17.6	123	6	76	29	11	26000	175	70	181	15	7	8
1000N 7300E	14.9	< 0.2	1.75	14.6	73	0.40	136	11.4	396	243	29.6	99	11	87	16	6	11000	123	37	116	14	< 5	10
1000N 7400E	13.3	< 0.2	1.00	11.1	93	0.33	84.3	7.08	1220	227	42.5	99	12	57	20	9	15000	120	29	91	15	< 5	5
1000N 7500E	6.03	0.3	0.19	8.10	38	< 0.01	33.7	2.13	565	75.7	16.7	58	3	28	5	6	8000	145	36	26	4	< 5	2
1000N 7600E	9.15	0.3	1.31	14.9	64	< 0.01	110	8.13	3190	144	26.8	102	5	65	22	7	14000	118	39	82	21	5	5
1000N 7700E	10.8	< 0.2	0.80	11.8	73	0.55	75.0	5.09	3750	155	19.4	104	8	80	24	6	12000	66	22	138	20	6	11
1000N 7800E	7.67	< 0.2	0.37	9.26	72	0.63	44.9	3.22	3830	115	22.1	106	9	68	25	8	15000	105	23	139	19	< 5	12
1000N 7900E	7.20	< 0.2	0.38	8.97	140	1.04	40.3	2.70	1270	115	20.2	64	9	54	13	8	14000	94	20	121	14	< 5	24
1100N 6800E	15.6	< 0.2	0.80	11.4	63	0.26	63.1	5.24	512	243	26.3	68	9	29	13	7	6000	94	23	68	10	< 5	4
1100N 6900E	6.37	< 0.2	0.42	8.04	61	< 0.01	39.9	3.14	709	110	35.0	122	12	39	14	7	8000	124	33	101	10	< 5	4
1100N 7000E	11.1	< 0.2	1.30	13.4	31	0.46	109	8.64	599	196	14.2	117	6	62	11	8	6000	71	35	105	10	< 5	5
1100N 7100E	11.4	< 0.2	1.40	14.9	28	0.42	111	8.94	425	218	19.3	97	6	50	17	7	10000	148	49	70	7	< 5	5
1100N 7200E	2.50	< 0.2	0.45	6.00	14	0.75	60.7	3.10	121	53.0	5.2	260	4	40	5	< 5	3000	79	38	68	21	5	15
1100N 7300E	16.7	< 0.2	1.92	14.5	53	0.61	153	12.3	198	305	22.6	102	9	86	19	5	7000	84	35	116	13	< 5	9

Analyte Symbol	Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr	Al	Ca	Fe	K	Mg	Na	Cl	Br	I	V	As	Se	Mo
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2	0.5	0.5	5	1	5	2	5	2000	5	2	1	1	5	1
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1100N 7400E	12.0	< 0.2	0.97	9.89	21	< 0.01	80.1	6.31	401	195	31.7	107	9	71	19	7	10000	91	24	84	14	< 5	8
1100N 7500E	22.5	0.3	2.53	19.8	43	0.05	197	15.9	330	383	28.3	101	7	35	12	10	7000	119	44	67	14	6	5
1100N 7600E	8.19	< 0.2	0.25	7.75	82	1.25	36.1	2.38	3780	101	17.9	104	9	122	24	< 5	14000	69	16	195	16	< 5	47
1100N 7700E	11.2	0.3	0.84	13.8	61	0.38	79.8	5.78	3630	156	16.0	91	5	44	16	6	11000	89	29	73	15	< 5	9
1100N 7800E	8.12	< 0.2	1.10	10.1	39	< 0.01	109	7.53	1000	102	10.5	104	4	35	15	5	4000	53	25	116	12	< 5	7
1100N 7900E	20.2	< 0.2	2.12	18.0	71	0.52	153	13.4	1550	272	21.7	67	8	55	17	7	7000	81	24	75	14	< 5	4
1200N 6700E	13.9	< 0.2	1.58	13.9	73	0.11	127	10.5	435	242	32.3	98	10	46	22	9	14000	165	40	88	8	< 5	3
1200N 6800E	8.49	< 0.2	0.13	6.03	92	< 0.01	25.9	1.96	439	135	30.2	126	19	33	19	9	13000	127	18	132	13	< 5	7
1200N 6900E	13.6	< 0.2	1.39	15.5	158	< 0.01	106	9.32	427	232	39.0	87	17	16	18	12	12000	236	56	110	10	< 5	2
1200N 7000E	9.21	< 0.2	0.74	6.97	76	0.08	63.8	5.45	2430	105	19.0	54	8	18	14	11	5000	62	25	56	7	< 5	3
1200N 7100E	12.5	< 0.2	0.71	9.63	77	0.30	60.5	4.86	1470	183	26.6	75	10	44	21	9	8000	122	24	84	14	< 5	6
1200N 7200E	12.1	< 0.2	0.43	9.09	95	0.76	39.3	3.00	2610	168	20.7	85	10	41	16	8	9000	79	16	85	16	< 5	6
1200N 7300E	26.3	< 0.2	5.31	20.3	89	0.63	448	33.6	1330	421	25.3	157	12	44	41	14	25000	154	66	273	16	15	9
1200N 7400E	18.5	< 0.2	1.56	12.8	172	0.31	117	10.4	456	284	35.2	144	25	29	21	7	12000	138	32	177	18	12	5
1200N 7500E	14.3	< 0.2	1.01	12.8	70	< 0.01	80.5	6.87	245	225	26.0	107	9	31	13	7	11000	114	29	94	9	< 5	4
1200N 7600E	24.4	< 0.2	1.83	18.1	123	0.12	132	12.3	237	355	26.4	57	6	53	9	7	11000	148	40	81	5	< 5	2
1200N 7700E	9.63	< 0.2	0.45	7.33	69	0.25	44.1	3.34	1830	111	21.8	108	8	68	20	< 5	8000	89	33	111	13	< 5	11
1200N 7800E	9.66	0.3	1.12	13.4	79	< 0.01	85.9	7.23	3490	149	25.6	74	6	40	19	7	14000	144	28	74	10	< 5	4
1200N 7900E	17.1	0.2	2.68	18.5	61	0.33	200	16.3	367	269	12.8	76	6	41	12	8	5000	97	47	89	13	< 5	3
1300N 6500E	3.95	< 0.2	1.38	10.4	236	1.12	126	8.98	149	135	9.0	128	3	< 5	11	15	3000	81	46	473	12	7	6
1300N 6600E	14.6	< 0.2	1.09	5.28	255	< 0.01	83.4	6.65	361	220	33.8	87	26	26	17	19	14000	109	20	174	13	< 5	3
1300N 6700E	10.1	< 0.2	0.68	8.20	25	< 0.01	51.8	4.10	299	164	25.1	71	9	32	17	6	10000	90	24	56	7	< 5	3
1300N 6800E	7.95	< 0.2	0.78	7.64	25	< 0.01	59.0	4.61	555	116	24.3	39	6	14	5	12	6000	122	25	28	4	< 5	1
1300N 6900E	14.2	< 0.2	1.83	15.1	20	0.21	148	11.3	115	223	11.4	94	4	20	9	6	5000	96	41	59	4	< 5	4
1300N 7000E	8.16	< 0.2	0.75	6.00	16	< 0.01	60.4	4.76	1020	81.4	17.1	89	5	43	17	7	6000	63	19	68	7	< 5	6
1300N 7100E	6.86	< 0.2	1.02	6.81	< 1	< 0.01	82.3	6.31	1590	107	25.0	172	5	51	11	< 5	9000	93	35	45	8	< 5	7
1300N 7200E	18.3	< 0.2	2.56	24.3	66	1.23	205	15.0	2040	256	28.2	188	15	77	37	5	21000	139	30	220	18	12	42
1300N 7300E	9.80	< 0.2	0.55	7.33	8	< 0.01	43.9	3.23	362	131	17.4	108	8	36	16	7	5000	56	27	90	9	< 5	5
1300N 7400E	21.3	< 0.2	1.18	15.2	78	1.30	87.4	7.03	1060	336	32.9	87	12	47	14	9	11000	146	34	77	11	6	9
1300N 7500E	10.3	< 0.2	0.96	10.8	114	0.05	80.9	5.62	519	188	39.3	119	12	55	15	7	22000	112	27	129	11	< 5	11
1300N 7600E	14.2	0.2	1.20	12.0	56	0.23	98.4	7.24	281	248	21.2	88	6	43	11	6	5000	75	32	71	8	< 5	3
1300N 7700E	18.1	< 0.2	1.24	14.0	386	0.46	93.6	7.47	1880	300	52.4	78	20	32	18	17	10000	220	41	211	20	6	5
1300N 7800E	12.9	< 0.2	1.09	11.8	91	0.10	82.1	6.49	1560	227	24.4	56	7	33	10	10	7000	133	29	67	9	< 5	5
1300N 7900E	9.73	0.4	1.45	15.0	42	< 0.01	125	8.84	551	158	14.5	79	3	26	9	< 5	5000	61	25	37	7	< 5	2
1400N 6500E	10.0	< 0.2	0.92	8.31	67	< 0.01	69.1	5.48	212	167	18.3	26	6	19	7	6	8000	86	16	30	5	< 5	1
1400N 6600E	8.26	< 0.2	0.74	7.05	67	< 0.01	51.6	4.41	316	139	28.2	26	9	18	6	< 5	4000	67	14	46	5	< 5	1
1400N 6700E	8.10	0.3	0.45	5.75	53	0.41	28.1	2.69	525	115	24.3	44	8	24	7	8	9000	177	31	52	9	< 5	2
1400N 6800E	10.2	0.3	1.44	12.7	43	0.99	101	8.90	302	162	17.8	48	4	28	6	8	9000	134	26	38	4	< 5	2
1400N 6900E	7.23	< 0.2	1.10	3.87	81	2.09	83.0	6.74	17	136	5.6	475	7	8	39	27	11000	318	267	179	20	16	13
1400N 7000E	20.0	0.2	1.74	10.6	54	1.36	116	10.1	535	268	34.7	98	11	39	13	11	14000	178	37	83	10	< 5	3
1400N 7100E	20.1	0.2	1.53	13.3	24	0.77	103	9.50	265	313	25.7	63	7	28	13	8	9000	109	23	46	6	< 5	2
1400N 7200E	11.5	< 0.2	1.06	11.9	14	1.46	80.0	6.38	2370	153	12.1	126	5	55	14	7	12000	73	32	99	10	< 5	21
1400N 7300E	12.6	< 0.2	0.99	11.5	25	1.14	70.2	5.77	1050	172	20.5	125	7	52	18	6	9000	68	26	110	15	< 5	13
1400N 7400E	9.09	< 0.2	0.86	7.65	42	0.59	58.4	5.20	500	110	31.3	116	10	34	18	10	14000	111	25	74	12	< 5	5
1400N 7500E	14.4	< 0.2	1.87	14.2	82	1.96	134	11.3	197	197	22.7	81	8	32	10	6	8000	113	38	83	9	6	2
1400N 7600E	8.43	< 0.2	0.61	6.21	52	12.5	42.2	3.58	1870	117	21.9	120	9	64	17	5	11000	64	17	119	12	< 5	8
1400N 7700E	11.6	0.3	0.60	7.89	103	0.68	40.1	3.37	695	139	37.5	72	12	21	17	11	10000	179	30	105	12	< 5	3
1500N 6500E	8.16	0.3	1.28	9.72	25	0.51	93.0	7.79	556	125	16.5	64	5	31	10	5	8000	77	25	46	7	< 5	2
1500N 6600E	17.8	0.4	1.95	16.8	42	0.90	142	11.5	111	230	19.7	79	5	35	11	9	7000	114	31	77	5	< 5	2
1500N 6700E	6.12	0.3	0.59	7.83	41	0.34	40.1	3.51	163	69.2	21.4	29	2	13	2	10	7000	170	16	22	4	< 5	< 1

Analyte Symbol	Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr	Al	Ca	Fe	K	Mg	Na	Cl	Br	I	V	As	Se	Mo
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2	0.5	0.5	5	1	5	2	5	2000	5	2	1	1	5	1
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1500N 6800E	10.4	0.2	1.25	12.2	22	1.05	88.9	7.79	190	187	18.8	127	5	54	13	5	9000	100	24	90	9	< 5	6
1500N 6900E	4.99	< 0.2	0.34	5.56	15	0.71	22.0	1.99	834	64.1	18.6	93	7	76	16	7	12000	60	15	83	8	< 5	7
1500N 7000E	11.8	< 0.2	0.89	8.12	37	0.49	53.5	5.23	681	151	26.0	53	9	32	17	12	11000	128	21	60	10	< 5	2
1500N 7100E	12.4	< 0.2	1.41	10.2	33	0.71	102	8.56	531	187	24.5	110	7	61	17	10	14000	102	21	88	12	< 5	5
1500N 7200E	12.6	0.3	1.04	10.0	36	0.69	78.4	6.30	143	152	17.1	73	5	30	9	12	7000	107	17	65	5	< 5	2
1500N 7300E	11.7	0.2	1.19	13.1	34	1.43	92.0	7.07	1360	163	16.8	167	9	72	20	6	8000	96	34	153	14	< 5	17
1500N 7400E	10.5	0.3	1.02	11.9	12	0.69	75.4	6.16	463	160	22.6	139	6	91	10	< 5	6000	88	31	94	10	< 5	8
1500N 7500E	8.57	< 0.2	1.83	9.08	5	0.66	134	11.5	611	91.7	26.2	123	9	30	10	8	12000	139	22	44	7	< 5	5
1500N 7600E	12.4	0.2	1.16	9.66	38	0.41	80.9	7.13	734	170	18.7	62	5	27	8	< 5	6000	57	14	50	5	< 5	2
1500N 7700E	43.1	< 0.2	5.19	10.2	243	1.21	439	30.6	598	392	28.5	77	24	10	11	14	17000	72	25	115	14	< 5	2
1600N 6500E	5.29	0.4	1.33	7.77	25	0.18	95.3	8.29	2930	86.4	23.7	142	4	88	33	8	16000	93	18	128	8	< 5	4
1600N 6600E	6.93	< 0.2	2.59	10.3	44	2.75	205	15.3	448	130	13.9	187	6	54	23	5	8000	93	30	170	15	< 5	10
1600N 6700E	8.35	< 0.2	0.92	5.80	113	0.65	61.5	5.60	478	96.9	22.7	164	14	40	28	8	21000	139	19	218	19	< 5	6
1600N 6800E	11.3	< 0.2	0.92	7.92	13	0.78	66.9	5.57	530	184	21.1	139	9	51	17	9	7000	73	21	87	10	< 5	5
1600N 6900E	9.00	< 0.2	1.49	13.3	32	0.41	105	8.96	756	136	15.8	97	5	40	11	10	17000	82	21	76	9	< 5	3
1600N 7000E	13.7	< 0.2	1.02	10.4	17	1.35	73.7	6.07	960	225	14.5	124	7	46	15	11	8000	82	29	86	13	< 5	9
1600N 7100E	5.87	0.3	0.78	10.4	4	0.46	47.2	4.69	4610	101	26.0	93	6	45	17	9	14000	123	20	43	10	< 5	4
1600N 7200E	8.37	0.2	1.08	11.1	5	0.48	81.2	6.47	168	125	17.3	102	4	42	8	< 5	7000	76	16	38	5	< 5	2
1600N 7300E	20.9	0.3	2.11	14.9	54	0.87	144	12.6	3820	329	30.7	111	11	68	23	12	21000	134	29	102	15	< 5	4
1600N 7400E	15.3	0.3	2.75	12.3	30	0.44	211	16.8	657	202	28.0	184	8	32	16	17	22000	134	36	100	7	< 5	5
1600N 7500E	10.1	< 0.2	0.78	8.46	27	0.75	59.8	4.56	391	123	18.1	137	8	36	23	8	12000	87	17	103	8	< 5	8
1600N 7600E	9.50	< 0.2	0.63	9.08	24	0.56	41.4	3.72	578	142	21.5	140	9	16	16	10	12000	135	24	71	12	< 5	5
1600N 7700E	22.2	0.2	2.67	16.7	64	1.07	165	15.7	1520	280	19.7	62	8	26	13	11	9000	141	31	67	11	< 5	2
1700N 6500E	9.27	< 0.2	1.11	11.4	79	0.56	79.0	6.85	179	141	20.8	81	7	35	13	12	8000	186	33	72	6	< 5	< 1
1700N 6600E	1.65	0.2	0.12	2.48	7	0.93	7.92	0.69	183	33.5	8.3	245	5	28	4	< 5	7000	42	16	58	12	< 5	7
1700N 6700E	3.30	0.8	1.34	3.82	< 1	0.94	92.5	8.31	6710	30.9	11.5	397	3	222	56	6	49000	145	21	309	26	< 5	22
1700N 6800E	3.26	< 0.2	1.39	6.86	76	0.99	141	8.71	39	66.5	11.1	310	5	31	14	10	15000	140	66	218	20	10	17
1700N 6900E	10.4	0.3	0.69	9.21	6	0.86	50.1	4.04	556	151	22.0	125	7	56	16	< 5	8000	53	17	79	10	< 5	6
1700N 7000E	13.5	0.4	1.93	16.7	13	0.87	134	11.8	1550	248	23.7	110	6	62	16	9	18000	152	27	72	11	< 5	4
1700N 7100E	3.74	< 0.2	0.57	7.50	53	1.11	43.2	3.48	1220	89.7	8.2	243	4	47	20	9	12000	104	37	188	20	< 5	16
1700N 7200E	10.7	0.3	1.47	14.4	49	1.29	118	8.81	406	117	20.9	89	3	38	8	11	12000	158	30	62	4	< 5	1
1700N 7300E	15.5	0.3	1.77	19.4	32	0.39	139	10.3	180	188	17.8	83	4	58	8	6	9000	140	23	52	4	< 5	2
1700N 7400E	24.6	0.3	3.10	18.5	103	1.09	242	19.0	591	439	25.4	129	10	44	25	16	16000	145	43	141	17	< 5	4
1700N 7500E	14.4	0.3	1.18	16.1	26	1.03	86.8	7.11	769	209	27.9	132	9	96	17	7	14000	183	34	90	10	< 5	10
1700N 7600E	23.5	0.3	2.15	17.3	50	0.65	155	13.0	828	307	42.8	87	14	54	13	14	19000	234	28	66	10	< 5	4
1700N 7700E	8.19	< 0.2	0.70	10.8	37	0.80	58.6	3.87	375	91.9	18.5	166	10	30	22	8	10000	142	32	107	13	< 5	6
1800N 6500E	14.8	< 0.2	5.65	15.9	60	1.63	449	34.8	231	225	18.5	114	10	37	14	6	7000	59	16	160	14	< 5	3
1800N 6600E	12.5	0.2	1.55	11.9	38	0.74	109	9.41	253	206	24.6	102	8	42	12	6	8000	82	21	81	8	< 5	3
1800N 6700E	8.20	< 0.2	0.52	6.17	18	1.88	38.4	3.27	3420	90.5	14.4	198	7	87	28	7	16000	106	25	155	15	< 5	15
1800N 6800E	13.6	< 0.2	1.43	5.41	90	0.78	86.7	8.70	2280	180	41.1	214	14	95	32	11	21000	179	32	265	18	< 5	8
1800N 6900E	4.70	< 0.2	0.42	7.12	< 1	0.78	28.2	2.53	1110	60.4	20.4	94	6	41	13	8	9000	117	23	17	5	< 5	4
1800N 7000E	6.10	< 0.2	0.52	6.65	10	0.64	37.4	2.81	3380	75.5	14.1	128	5	92	13	5	7000	79	28	88	13	< 5	8
1800N 7100E	10.7	< 0.2	2.13	18.9	106	0.83	160	12.6	482	156	18.7	110	7	64	22	6	20000	138	39	142	13	< 5	5
1800N 7200E	5.83	0.3	0.45	9.31	17	0.08	35.6	2.87	677	74.3	20.7	125	5	46	16	9	15000	121	26	68	7	< 5	3
1800N 7300E	9.75	0.3	1.23	13.1	49	0.32	80.8	7.28	4720	174	48.0	137	9	32	17	16	10000	222	47	112	12	< 5	5
1800N 7400E	11.9	< 0.2	0.44	8.57	56	1.51	31.7	2.49	2810	150	20.6	137	11	49	26	10	20000	148	20	130	15	< 5	10
1800N 7500E	4.15	< 0.2	0.32	6.14	39	1.50	25.4	2.11	354	83.3	16.1	165	7	103	38	< 5	13000	142	37	113	18	< 5	21
1800N 7600E	14.7	< 0.2	1.05	12.0	76	0.80	77.1	6.32	1310	185	33.4	84	17	39	21	13	10000	136	36	112	18	< 5	5
1800N 7700E	8.83	< 0.2	0.44	8.62	18	0.76	33.6	2.74	325	105	24.8	98	9	63	15	8	15000	171	50	68	10	< 5	8
1900N 6500E	9.17	0.5	0.49	6.05	73	0.96	31.1	3.02	8550	150	34.1	184	13	105	41	7	14000	100	23	198	19	< 5	18

Analyte Symbol	Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr	Al	Ca	Fe	K	Mg	Na	Cl	Br	I	V	As	Se	Mo
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2	0.5	0.5	5	1	5	2	5	2000	5	2	1	1	5	1
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1900N 6600E	2.77	< 0.2	0.76	3.45	< 1	0.46	68.9	4.50	2810	56.0	9.3	386	3	49	29	8	22000	82	28	243	25	5	14
1900N 6700E	3.55	< 0.2	0.83	5.12	14	2.08	77.9	5.06	2040	78.7	6.9	99	4	84	15	< 5	< 2000	48	26	108	6	< 5	27
1900N 6800E	6.61	0.3	0.48	6.33	< 1	0.42	41.0	3.06	2010	70.3	11.2	71	4	47	9	6	3000	43	16	48	8	< 5	6
1900N 6900E	10.3	0.3	1.28	12.1	11	0.76	98.3	7.68	740	180	11.2	52	3	62	9	< 5	< 2000	55	29	47	8	< 5	5
1900N 7000E	6.64	0.2	0.92	9.48	11	0.51	71.1	5.77	1790	110	13.1	62	3	66	13	< 5	4000	81	41	43	7	< 5	3
1900N 7100E	9.09	0.4	0.82	10.3	43	0.54	59.6	4.75	4450	116	13.6	73	4	77	18	6	9000	136	44	101	11	< 5	7
1900N 7200E	9.72	0.4	1.82	13.4	78	0.39	131	10.9	2070	181	37.1	90	7	69	20	7	10000	142	51	101	12	< 5	5
1900N 7300E	15.6	< 0.2	1.28	13.6	170	1.04	92.9	7.60	2110	210	26.1	73	14	33	13	9	9000	156	37	110	26	< 5	6
1900N 7400E	11.0	0.3	0.83	15.0	29	0.43	67.2	4.96	634	137	13.8	99	5	36	12	5	6000	128	41	73	13	< 5	5
1900N 7500E	9.29	0.4	1.03	12.5	31	0.42	83.0	6.12	2070	127	23.1	57	6	47	13	< 5	4000	76	27	40	8	< 5	4
1900N 7600E	12.2	< 0.2	1.16	10.7	63	0.52	90.3	7.06	2920	129	14.5	76	6	59	17	5	7000	98	34	94	12	< 5	4
1900N 7700E	7.52	0.3	0.51	9.27	22	2.49	39.5	2.96	2470	98.1	22.4	77	7	65	13	< 5	11000	186	46	42	15	< 5	5

Analyte Symbol	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	Ti	Cr
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	0.1	1	1	0.01	0.05	1	0.1	0.1	1	3	3	10	1	1	0.5	0.2	0.2	0.1	0.8	0.1	0.8	100	20
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
600N 7200E	0.5	< 1	< 1	< 0.01	0.20	2	4.3	0.8	46	11	35	250	3	3	< 0.5	< 0.2	1.6	< 0.1	< 0.8	0.2	< 0.8	400	< 20
600N 7300E	0.9	< 1	< 1	< 0.01	< 0.05	< 1	3.7	1.1	41	15	28	180	4	4	0.7	0.2	1.7	< 0.1	< 0.8	0.1	< 0.8	1000	< 20
600N 7400E	0.6	< 1	< 1	< 0.01	0.06	< 1	3.4	0.9	30	15	21	100	3	5	< 0.5	< 0.2	3.3	< 0.1	< 0.8	< 0.1	< 0.8	1500	< 20
600N 7500E	0.4	< 1	< 1	< 0.01	< 0.05	< 1	3.0	1.1	20	10	48	90	2	2	< 0.5	0.2	4.7	< 0.1	< 0.8	0.2	< 0.8	700	< 20
600N 7600E	0.5	< 1	< 1	< 0.01	< 0.05	< 1	1.2	0.5	21	9	19	110	6	3	< 0.5	< 0.2	3.0	< 0.1	< 0.8	0.2	< 0.8	500	< 20
600N 7700E	1.1	< 1	< 1	0.01	< 0.05	< 1	2.5	1.3	41	18	34	210	6	4	0.6	0.2	5.8	< 0.1	< 0.8	0.1	< 0.8	1000	< 20
600N 7800E	0.7	< 1	1	< 0.01	< 0.05	< 1	1.9	0.7	56	23	23	400	6	6	< 0.5	< 0.2	5.1	< 0.1	< 0.8	0.3	< 0.8	1100	< 20
600N 7900E	0.7	< 1	< 1	0.03	< 0.05	< 1	1.0	1.2	27	8	126	40	2	2	0.6	< 0.2	2.1	< 0.1	< 0.8	< 0.1	< 0.8	200	< 20
700N 7200E	0.4	< 1	< 1	0.02	< 0.05	< 1	0.5	0.9	14	5	29	30	2	2	< 0.5	< 0.2	1.4	< 0.1	< 0.8	0.2	< 0.8	300	< 20
700N 7300E	0.8	< 1	< 1	< 0.01	< 0.05	< 1	1.0	0.7	12	7	21	80	5	2	< 0.5	< 0.2	1.5	< 0.1	< 0.8	0.1	< 0.8	500	< 20
700N 7400E	0.5	< 1	< 1	0.01	< 0.05	< 1	1.3	0.6	30	15	60	150	6	4	0.5	< 0.2	4.8	< 0.1	< 0.8	< 0.1	< 0.8	900	< 20
700N 7500E	1.6	< 1	1	0.06	< 0.05	< 1	3.2	1.4	14	11	100	30	6	3	0.8	0.4	1.6	< 0.1	< 0.8	< 0.1	< 0.8	900	< 20
700N 7600E	0.8	< 1	< 1	< 0.01	< 0.05	< 1	1.6	1.1	43	21	56	230	8	3	< 0.5	0.3	6.4	< 0.1	< 0.8	< 0.1	< 0.8	1000	< 20
700N 7700E	0.4	< 1	< 1	< 0.01	< 0.05	< 1	1.1	1.5	14	11	57	80	4	3	< 0.5	0.2	3.8	< 0.1	< 0.8	0.2	< 0.8	700	< 20
700N 7800E	0.5	< 1	< 1	0.01	< 0.05	< 1	2.0	1.3	38	18	64	230	4	3	< 0.5	0.3	4.4	< 0.1	< 0.8	0.3	< 0.8	800	< 20
700N 7900E	0.4	< 1	< 1	< 0.01	< 0.05	< 1	0.9	1.2	34	10	38	60	24	3	< 0.5	< 0.2	2.6	< 0.1	< 0.8	0.1	< 0.8	600	< 20
800N 7200E	1.5	< 1	< 1	< 0.01	< 0.05	< 1	1.0	0.9	48	11	39	30	3	3	< 0.5	0.2	3.1	< 0.1	< 0.8	< 0.1	< 0.8	600	< 20
800N 7300E	0.8	< 1	< 1	0.04	< 0.05	< 1	3.7	1.4	18	18	38	20	8	4	0.7	0.3	5.0	< 0.1	< 0.8	< 0.1	< 0.8	1300	20
800N 7400E	0.9	< 1	1	< 0.01	< 0.05	< 1	1.7	1.2	23	18	44	100	6	4	< 0.5	< 0.2	2.5	< 0.1	< 0.8	0.2	< 0.8	1200	< 20
800N 7500E	0.4	< 1	< 1	< 0.01	< 0.05	< 1	0.5	1.0	7	4	24	30	5	2	< 0.5	< 0.2	1.7	< 0.1	< 0.8	0.2	< 0.8	200	< 20
800N 7600E	0.6	< 1	< 1	< 0.01	< 0.05	< 1	1.3	1.0	43	19	41	370	4	4	< 0.5	0.2	3.5	< 0.1	< 0.8	0.2	< 0.8	900	< 20
800N 7700E	0.7	< 1	< 1	0.01	< 0.05	2	2.3	1.3	54	19	57	180	4	5	0.7	0.2	3.9	< 0.1	< 0.8	0.1	< 0.8	800	< 20
800N 7800E	0.6	< 1	< 1	0.01	< 0.05	1	0.9	1.5	14	10	84	50	3	2	< 0.5	0.3	1.6	< 0.1	< 0.8	0.2	< 0.8	700	< 20
800N 7900E	0.3	< 1	< 1	< 0.01	< 0.05	1	0.9	1.0	41	16	82	220	3	3	0.6	< 0.2	3.7	< 0.1	< 0.8	0.1	< 0.8	600	< 20
900N 7100E	1.8	< 1	< 1	0.02	< 0.05	1	0.4	0.5	51	24	29	190	8	3	< 0.5	< 0.2	3.9	< 0.1	< 0.8	< 0.1	< 0.8	600	< 20
900N 7200E	0.5	< 1	< 1	< 0.01	< 0.05	< 1	1.1	1.1	28	20	29	140	5	5	0.7	0.2	2.3	< 0.1	< 0.8	0.1	< 0.8	1000	< 20
900N 7300E	0.5	< 1	< 1	< 0.01	< 0.05	1	0.6	0.7	36	17	30	120	5	3	< 0.5	< 0.2	3.0	< 0.1	< 0.8	0.2	< 0.8	900	< 20
900N 7400E	0.6	< 1	< 1	0.01	< 0.05	< 1	0.5	1.0	13	7	21	40	5	3	< 0.5	< 0.2	3.3	< 0.1	< 0.8	0.1	< 0.8	500	< 20
900N 7500E	0.6	< 1	< 1	0.01	< 0.05	1	0.2	0.6	20	14	23	70	4	4	< 0.5	< 0.2	1.8	< 0.1	< 0.8	0.1	< 0.8	600	< 20
900N 7600E	0.5	< 1	< 1	< 0.01	< 0.05	< 1	1.1	1.1	45	15	42	400	4	3	< 0.5	< 0.2	3.9	< 0.1	< 0.8	0.2	< 0.8	600	< 20
900N 7700E	0.6	< 1	< 1	0.02	< 0.05	< 1	1.2	1.2	31	16	70	200	4	3	0.6	0.3	3.0	< 0.1	< 0.8	0.2	< 0.8	800	< 20
900N 7800E	0.5	< 1	< 1	< 0.01	< 0.05	< 1	0.9	0.9	18	13	33	30	3	3	< 0.5	< 0.2	2.2	< 0.1	< 0.8	0.1	< 0.8	900	< 20
900N 7900E	0.5	< 1	< 1	< 0.01	< 0.05	< 1	1.1	1.1	53	20	36	100	3	4	< 0.5	< 0.2	4.3	< 0.1	< 0.8	0.1	< 0.8	1300	< 20
1000N 6900E	0.3	< 1	1	0.01	< 0.05	< 1	0.9	1.3	23	8	32	20	3	2	< 0.5	< 0.2	0.9	< 0.1	< 0.8	0.1	< 0.8	500	< 20
1000N 7000E	1.1	< 1	< 1	< 0.01	< 0.05	< 1	1.3	1.2	31	12	28	130	7	4	0.6	0.2	3.6	< 0.1	< 0.8	< 0.1	< 0.8	1000	< 20
1000N 7100E	18.7	2	1	< 0.01	0.56	< 1	2.2	0.8	113	39	557	100	17	3	0.9	0.4	15.8	< 0.1	< 0.8	< 0.1	< 0.8	600	< 20
1000N 7200E	1.1	< 1	< 1	0.05	< 0.05	< 1	1.1	1.2	23	11	90	30	3	2	< 0.5	0.3	0.9	< 0.1	< 0.8	< 0.1	< 0.8	500	< 20
1000N 7300E	0.6	< 1	< 1	0.01	< 0.05	< 1	2.0	1.8	20	13	51	30	4	3	< 0.5	0.3	1.1	< 0.1	< 0.8	0.1	< 0.8	1100	< 20
1000N 7400E	0.5	< 1	< 1	0.02	< 0.05	< 1	2.0	1.2	41	22	49	140	4	4	0.7	0.4	3.8	< 0.1	< 0.8	0.2	< 0.8	1300	< 20
1000N 7500E	0.4	< 1	< 1	0.01	< 0.05	< 1	< 0.1	0.8	15	7	13	60	4	2	< 0.5	< 0.2	3.5	< 0.1	< 0.8	0.4	< 0.8	200	< 20
1000N 7600E	0.6	< 1	< 1	0.01	< 0.05	< 1	1.0	1.3	40	17	49	190	4	3	< 0.5	< 0.2	5.0	< 0.1	< 0.8	0.4	< 0.8	500	< 20
1000N 7700E	0.7	< 1	< 1	< 0.01	< 0.05	< 1	0.8	0.9	36	28	32	120	3	2	< 0.5	< 0.2	4.3	< 0.1	< 0.8	0.1	< 0.8	800	< 20
1000N 7800E	0.6	< 1	< 1	< 0.01	< 0.05	< 1	0.8	0.8	41	21	30	200	3	4	0.7	< 0.2	2.6	< 0.1	< 0.8	0.2	< 0.8	1100	< 20
1000N 7900E	0.6	< 1	< 1	< 0.01	< 0.05	< 1	0.5	0.8	26	17	33	160	2	3	< 0.5	< 0.2	2.4	< 0.1	< 0.8	< 0.1	< 0.8	900	< 20
1100N 6800E	0.6	< 1	< 1	< 0.01	< 0.05	< 1	1.2	1.1	38	14	29	60	3	3	0.7	< 0.2	2.9	< 0.1	< 0.8	0.1	< 0.8	900	< 20
1100N 6900E	0.6	< 1	< 1	0.01	< 0.05	1	0.9	1.0	48	18	29	100	4	4	< 0.5	< 0.2	2.6	< 0.1	< 0.8	0.3	< 0.8	1000	< 20
1100N 7000E	0.7	< 1	< 1	< 0.01	< 0.05	< 1	1.0	1.0	12	9	44	30	3	2	< 0.5	0.2	1.4	< 0.1	< 0.8	< 0.1	< 0.8	700	< 20
1100N 7100E	0.6	< 1	< 1	< 0.01	< 0.05	< 1	1.1	1.5	20	10	47	30	3	3	< 0.5	< 0.2	2.0	< 0.1	< 0.8	0.2	< 0.8	700	< 20
1100N 7200E	2.8	< 1	< 1	0.03	< 0.05	< 1	0.6	0.8	6	7	35	10	8	1	0.5	< 0.2	1.0	< 0.1	< 0.8	0.1	< 0.8	100	< 20
1100N 7300E	0.9	< 1	< 1	< 0.01	< 0.05	< 1	4.9	1.5	19	11	55	20	4	3	< 0.5	0.4	1.6	< 0.1	< 0.8	0.2	< 0.8	900	< 20

Analyte Symbol	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	Ti	Cr
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	0.1	1	1	0.01	0.05	1	0.1	0.1	1	3	3	10	1	1	0.5	0.2	0.2	0.1	0.8	0.1	0.8	100	20
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
1100N 7400E	0.7	< 1	< 1	0.01	< 0.05	< 1	4.6	1.3	28	12	46	40	4	3	< 0.5	0.3	1.3	< 0.1	< 0.8	0.1	< 0.8	900	< 20
1100N 7500E	1.0	< 1	< 1	< 0.01	< 0.05	< 1	3.5	1.7	27	10	45	20	3	3	< 0.5	0.4	7.5	< 0.1	< 0.8	0.2	< 0.8	700	< 20
1100N 7600E	0.6	< 1	1	< 0.01	< 0.05	< 1	2.9	0.7	54	22	42	200	6	3	0.6	< 0.2	3.5	< 0.1	< 0.8	< 0.1	< 0.8	1000	< 20
1100N 7700E	0.4	< 1	< 1	< 0.01	< 0.05	2	1.2	1.0	19	13	29	170	2	2	< 0.5	< 0.2	2.4	< 0.1	< 0.8	0.3	< 0.8	800	< 20
1100N 7800E	0.4	< 1	< 1	< 0.01	< 0.05	< 1	0.9	0.7	19	8	38	40	3	2	< 0.5	< 0.2	1.4	< 0.1	< 0.8	0.2	< 0.8	400	< 20
1100N 7900E	0.5	< 1	< 1	< 0.01	< 0.05	< 1	2.2	2.0	31	13	47	110	3	3	0.6	0.2	2.4	< 0.1	< 0.8	0.1	< 0.8	900	< 20
1200N 6700E	0.5	< 1	< 1	< 0.01	< 0.05	< 1	2.4	1.6	28	15	49	40	6	3	0.7	0.3	2.1	< 0.1	< 0.8	0.2	< 0.8	900	< 20
1200N 6800E	1.0	< 1	< 1	< 0.01	< 0.05	< 1	1.8	1.0	48	21	38	60	4	5	0.7	< 0.2	0.9	< 0.1	< 0.8	< 0.1	< 0.8	1400	< 20
1200N 6900E	0.5	< 1	< 1	0.02	< 0.05	< 1	2.4	2.1	27	12	72	60	2	3	0.8	0.3	1.7	< 0.1	< 0.8	< 0.1	< 0.8	800	30
1200N 7000E	0.4	< 1	< 1	< 0.01	< 0.05	< 1	0.8	0.4	41	13	27	200	2	5	< 0.5	< 0.2	5.6	< 0.1	< 0.8	< 0.1	< 0.8	800	< 20
1200N 7100E	0.6	< 1	< 1	< 0.01	< 0.05	< 1	1.3	1.0	41	14	35	130	3	4	0.6	< 0.2	2.3	< 0.1	< 0.8	< 0.1	< 0.8	1200	< 20
1200N 7200E	0.8	< 1	< 1	< 0.01	< 0.05	< 1	1.0	0.6	46	18	27	170	3	3	< 0.5	< 0.2	2.2	< 0.1	< 0.8	< 0.1	< 0.8	1200	< 20
1200N 7300E	1.3	< 1	< 1	0.29	< 0.05	< 1	4.9	2.2	21	16	135	50	5	3	0.9	0.6	1.7	< 0.1	< 0.8	< 0.1	< 0.8	1300	20
1200N 7400E	1.2	< 1	< 1	0.03	< 0.05	< 1	3.5	1.9	26	20	56	30	4	4	1.1	0.4	1.3	< 0.1	< 0.8	< 0.1	< 0.8	1400	30
1200N 7500E	0.5	< 1	< 1	0.02	< 0.05	< 1	1.5	1.2	18	9	33	10	4	3	< 0.5	< 0.2	1.0	< 0.1	< 0.8	< 0.1	< 0.8	700	< 20
1200N 7600E	0.4	< 1	< 1	< 0.01	< 0.05	< 1	1.6	1.5	18	9	25	20	2	3	0.6	0.3	3.4	< 0.1	< 0.8	< 0.1	< 0.8	600	< 20
1200N 7700E	0.6	< 1	< 1	0.01	< 0.05	< 1	0.9	0.6	22	14	35	80	3	3	< 0.5	< 0.2	5.0	< 0.1	< 0.8	< 0.1	< 0.8	800	< 20
1200N 7800E	0.3	< 1	< 1	< 0.01	< 0.05	< 1	0.7	0.9	39	18	48	260	2	3	< 0.5	< 0.2	2.9	< 0.1	< 0.8	0.3	< 0.8	600	< 20
1200N 7900E	0.4	< 1	< 1	< 0.01	< 0.05	< 1	0.8	0.9	15	8	46	30	2	2	< 0.5	< 0.2	2.0	< 0.1	< 0.8	< 0.1	< 0.8	700	< 20
1300N 6500E	1.3	< 1	< 1	0.05	< 0.05	< 1	0.7	1.3	7	9	48	< 10	1	1	< 0.5	< 0.2	0.3	< 0.1	< 0.8	< 0.1	< 0.8	500	< 20
1300N 6600E	0.5	< 1	< 1	< 0.01	< 0.05	< 1	2.6	0.9	14	17	30	50	5	3	0.9	0.3	1.5	< 0.1	< 0.8	< 0.1	< 0.8	1800	30
1300N 6700E	0.4	< 1	< 1	< 0.01	< 0.05	< 1	1.4	1.1	18	11	24	30	4	3	0.6	< 0.2	2.3	< 0.1	< 0.8	0.1	< 0.8	800	< 20
1300N 6800E	0.3	< 1	< 1	0.01	< 0.05	< 1	0.6	0.7	36	8	19	110	3	2	< 0.5	< 0.2	1.5	< 0.1	< 0.8	< 0.1	< 0.8	300	< 20
1300N 6900E	0.4	< 1	< 1	< 0.01	< 0.05	< 1	0.5	1.1	16	3	46	< 10	2	2	< 0.5	< 0.2	1.4	< 0.1	< 0.8	0.1	< 0.8	300	< 20
1300N 7000E	0.5	< 1	< 1	< 0.01	< 0.05	< 1	0.5	0.5	30	10	39	50	3	2	< 0.5	< 0.2	2.4	< 0.1	< 0.8	< 0.1	< 0.8	700	< 20
1300N 7100E	1.1	< 1	< 1	< 0.01	< 0.05	< 1	1.2	0.8	16	11	45	120	7	3	< 0.5	< 0.2	2.7	< 0.1	< 0.8	0.2	< 0.8	600	< 20
1300N 7200E	1.4	< 1	< 1	< 0.01	< 0.05	< 1	3.1	3.5	43	29	105	110	15	4	0.9	0.3	3.2	< 0.1	< 0.8	0.1	< 0.8	1400	20
1300N 7300E	0.7	< 1	< 1	0.01	< 0.05	< 1	0.8	0.7	19	20	25	40	3	3	< 0.5	< 0.2	1.4	< 0.1	< 0.8	< 0.1	< 0.8	1100	< 20
1300N 7400E	0.7	< 1	< 1	< 0.01	< 0.05	< 1	1.7	1.2	31	19	54	110	3	4	0.6	0.3	2.6	< 0.1	< 0.8	0.1	< 0.8	1600	< 20
1300N 7500E	0.6	< 1	< 1	0.01	0.08	< 1	1.5	1.3	50	20	44	60	4	4	0.5	0.2	2.4	< 0.1	< 0.8	0.1	< 0.8	1400	< 20
1300N 7600E	0.4	< 1	< 1	< 0.01	< 0.05	< 1	1.0	1.0	17	8	27	10	2	2	< 0.5	0.2	1.7	< 0.1	< 0.8	0.2	< 0.8	600	< 20
1300N 7700E	0.9	< 1	< 1	0.02	< 0.05	< 1	3.0	1.9	36	21	81	290	4	5	0.9	0.2	1.9	< 0.1	< 0.8	< 0.1	< 0.8	1000	30
1300N 7800E	0.3	< 1	< 1	0.01	< 0.05	< 1	1.2	1.0	33	14	30	120	3	3	< 0.5	< 0.2	2.2	< 0.1	< 0.8	0.2	< 0.8	600	< 20
1300N 7900E	0.3	< 1	< 1	0.01	< 0.05	< 1	0.3	0.9	12	5	36	30	3	2	< 0.5	< 0.2	1.5	< 0.1	< 0.8	0.2	< 0.8	300	< 20
1400N 6500E	0.2	< 1	< 1	< 0.01	< 0.05	< 1	0.5	0.6	28	10	20	40	3	2	< 0.5	< 0.2	1.5	< 0.1	< 0.8	< 0.1	< 0.8	300	< 20
1400N 6600E	0.2	< 1	< 1	< 0.01	< 0.05	< 1	0.8	0.8	36	15	24	70	3	3	< 0.5	< 0.2	1.6	< 0.1	< 0.8	< 0.1	< 0.8	500	< 20
1400N 6700E	0.3	< 1	< 1	0.01	< 0.05	< 1	0.4	0.5	28	11	19	70	2	4	< 0.5	< 0.2	2.2	< 0.1	< 0.8	0.2	< 0.8	700	< 20
1400N 6800E	0.4	< 1	< 1	0.01	< 0.05	< 1	0.3	1.3	31	8	58	30	2	3	0.5	< 0.2	2.0	< 0.1	< 0.8	0.3	< 0.8	400	< 20
1400N 6900E	2.4	< 1	< 1	0.03	< 0.05	< 1	3.7	1.1	14	12	261	< 10	2	1	1.0	0.3	0.6	< 0.1	< 0.8	< 0.1	< 0.8	500	< 20
1400N 7000E	0.7	< 1	< 1	< 0.01	< 0.05	< 1	2.4	1.3	28	17	43	50	4	3	< 0.5	0.3	1.5	< 0.1	< 0.8	0.1	< 0.8	1500	< 20
1400N 7100E	0.2	< 1	< 1	< 0.01	< 0.05	< 1	1.7	1.4	19	10	30	20	2	2	< 0.5	0.3	1.6	< 0.1	< 0.8	0.1	< 0.8	800	< 20
1400N 7200E	0.7	< 1	< 1	0.01	< 0.05	< 1	0.7	0.9	16	13	44	90	4	2	0.5	< 0.2	2.0	< 0.1	< 0.8	0.1	< 0.8	700	< 20
1400N 7300E	0.6	< 1	< 1	< 0.01	< 0.05	< 1	1.2	1.0	23	12	47	50	4	2	< 0.5	< 0.2	1.7	< 0.1	< 0.8	< 0.1	< 0.8	900	< 20
1400N 7400E	0.5	< 1	< 1	< 0.01	< 0.05	< 1	1.1	0.9	30	20	43	40	4	3	0.7	< 0.2	1.7	< 0.1	< 0.8	< 0.1	< 0.8	900	< 20
1400N 7500E	0.4	< 1	< 1	0.03	< 0.05	< 1	1.4	1.5	24	8	43	20	4	2	< 0.5	< 0.2	1.1	< 0.1	< 0.8	< 0.1	< 0.8	500	< 20
1400N 7600E	0.5	< 1	< 1	< 0.01	< 0.05	< 1	1.1	0.6	30	17	27	100	4	3	< 0.5	< 0.2	1.3	< 0.1	< 0.8	< 0.1	< 0.8	900	< 20
1400N 7700E	0.3	< 1	< 1	< 0.01	< 0.05	< 1	1.4	1.0	55	20	42	110	2	3	< 0.5	< 0.2	2.0	< 0.1	< 0.8	0.1	< 0.8	1000	< 20
1500N 6500E	0.3	< 1	< 1	< 0.01	< 0.05	< 1	0.7	1.0	20	8	29	50	5	2	< 0.5	< 0.2	1.5	< 0.1	< 0.8	0.2	< 0.8	300	< 20
1500N 6600E	0.3	< 1	< 1	0.01	0.14	< 1	2.1	1.5	14	4	26	10	2	2	0.7	0.2	0.8	< 0.1	< 0.8	0.2	< 0.8	400	< 20
1500N 6700E	0.1	< 1	< 1	< 0.01	< 0.05	< 1	1.5	1.0	14	5	32	40	2	2	< 0.5	< 0.2	1.0	< 0.1	< 0.8	0.2	< 0.8	200	< 20

Analyte Symbol	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	Ti	Cr
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	0.1	1	1	0.01	0.05	1	0.1	0.1	1	3	3	10	1	1	0.5	0.2	0.2	0.1	0.8	0.1	0.8	100	20
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
1500N 6800E	0.4	< 1	< 1	< 0.01	< 0.05	< 1	2.4	1.3	10	8	45	50	4	2	0.6	0.3	1.0	< 0.1	< 0.8	0.2	< 0.8	700	< 20
1500N 6900E	0.5	< 1	< 1	0.01	< 0.05	< 1	1.6	0.7	16	13	57	220	3	3	< 0.5	< 0.2	2.1	< 0.1	< 0.8	< 0.1	< 0.8	800	< 20
1500N 7000E	0.3	< 1	< 1	< 0.01	< 0.05	< 1	1.5	1.1	49	14	47	100	2	2	< 0.5	< 0.2	1.7	< 0.1	< 0.8	< 0.1	< 0.8	800	< 20
1500N 7100E	0.3	< 1	< 1	< 0.01	< 0.05	< 1	1.5	1.0	16	10	53	30	2	3	< 0.5	0.3	1.1	< 0.1	< 0.8	< 0.1	< 0.8	900	< 20
1500N 7200E	0.3	< 1	< 1	0.01	< 0.05	< 1	0.8	0.9	6	6	19	< 10	1	2	< 0.5	< 0.2	0.6	< 0.1	< 0.8	0.1	< 0.8	700	< 20
1500N 7300E	1.1	< 1	< 1	< 0.01	< 0.05	< 1	1.8	1.1	22	14	68	60	5	2	0.6	< 0.2	2.2	< 0.1	< 0.8	< 0.1	< 0.8	1100	< 20
1500N 7400E	0.5	< 1	< 1	< 0.01	< 0.05	< 1	1.0	1.0	14	7	38	20	3	3	< 0.5	< 0.2	1.3	< 0.1	< 0.8	0.2	< 0.8	600	< 20
1500N 7500E	0.4	< 1	< 1	< 0.01	< 0.05	< 1	0.7	0.9	23	8	70	40	2	2	0.6	< 0.2	2.1	< 0.1	< 0.8	< 0.1	< 0.8	600	< 20
1500N 7600E	0.2	< 1	< 1	< 0.01	< 0.05	< 1	0.4	0.7	22	7	13	50	2	2	< 0.5	< 0.2	1.1	< 0.1	< 0.8	0.1	< 0.8	400	< 20
1500N 7700E	0.5	< 1	< 1	< 0.01	< 0.05	< 1	3.5	1.0	62	24	142	80	4	5	1.3	0.3	2.1	< 0.1	< 0.8	< 0.1	< 0.8	1100	30
1600N 6500E	0.2	< 1	< 1	0.01	0.06	< 1	0.4	0.8	26	15	36	220	3	3	< 0.5	< 0.2	1.4	< 0.1	< 0.8	0.5	< 0.8	500	< 20
1600N 6600E	0.6	< 1	< 1	< 0.01	0.06	< 1	0.9	1.5	17	11	126	20	3	2	0.7	< 0.2	1.2	< 0.1	< 0.8	< 0.1	< 0.8	600	< 20
1600N 6700E	0.4	< 1	< 1	0.01	< 0.05	< 1	1.4	0.8	28	21	46	40	3	3	0.9	< 0.2	1.0	< 0.1	< 0.8	< 0.1	< 0.8	800	< 20
1600N 6800E	0.4	< 1	< 1	< 0.01	< 0.05	< 1	1.2	0.7	13	13	34	30	3	2	< 0.5	0.3	2.5	< 0.1	< 0.8	< 0.1	< 0.8	1300	< 20
1600N 6900E	0.2	< 1	< 1	< 0.01	< 0.05	< 1	0.5	1.1	10	6	43	30	2	2	< 0.5	< 0.2	0.7	< 0.1	< 0.8	< 0.1	< 0.8	500	< 20
1600N 7000E	0.3	< 1	< 1	< 0.01	< 0.05	< 1	1.0	0.8	11	11	54	50	5	2	< 0.5	0.2	1.3	< 0.1	< 0.8	< 0.1	< 0.8	1100	< 20
1600N 7100E	0.3	< 1	< 1	< 0.01	< 0.05	< 1	0.2	0.9	28	14	24	350	2	3	< 0.5	< 0.2	2.7	< 0.1	< 0.8	0.2	< 0.8	900	< 20
1600N 7200E	0.2	< 1	< 1	< 0.01	< 0.05	< 1	0.5	1.3	7	5	37	10	2	2	< 0.5	< 0.2	1.0	< 0.1	< 0.8	0.1	< 0.8	500	< 20
1600N 7300E	0.5	< 1	< 1	< 0.01	< 0.05	< 1	2.0	1.3	46	21	71	300	3	3	0.8	0.4	6.0	< 0.1	< 0.8	0.1	< 0.8	1200	< 20
1600N 7400E	0.7	< 1	< 1	0.03	< 0.05	< 1	1.4	0.8	14	12	75	20	3	2	0.6	0.2	1.7	< 0.1	< 0.8	0.2	< 0.8	1100	< 20
1600N 7500E	0.6	< 1	< 1	< 0.01	< 0.05	< 1	0.6	0.7	25	14	35	20	3	2	< 0.5	< 0.2	1.0	< 0.1	< 0.8	< 0.1	< 0.8	1000	< 20
1600N 7600E	0.3	< 1	< 1	0.01	< 0.05	< 1	0.8	0.9	14	9	27	40	3	3	< 0.5	< 0.2	1.2	< 0.1	< 0.8	< 0.1	< 0.8	800	< 20
1600N 7700E	0.5	< 1	< 1	0.01	< 0.05	< 1	1.1	1.2	31	15	46	110	2	2	0.7	< 0.2	2.3	< 0.1	< 0.8	< 0.1	< 0.8	700	< 20
1700N 6500E	0.3	< 1	< 1	0.01	< 0.05	< 1	0.6	1.0	25	10	40	20	2	2	< 0.5	< 0.2	1.5	< 0.1	< 0.8	< 0.1	< 0.8	500	< 20
1700N 6600E	0.5	< 1	< 1	< 0.01	< 0.05	< 1	< 0.1	0.2	6	6	32	20	5	2	< 0.5	< 0.2	0.7	< 0.1	< 0.8	< 0.1	< 0.8	300	< 20
1700N 6700E	0.5	< 1	< 1	0.01	< 0.05	< 1	0.3	0.1	11	13	33	200	13	1	< 0.5	< 0.2	3.6	< 0.1	< 0.8	0.9	< 0.8	400	< 20
1700N 6800E	1.1	< 1	< 1	0.02	< 0.05	< 1	0.6	0.9	9	13	291	< 10	2	< 1	1.1	< 0.2	0.9	< 0.1	< 0.8	< 0.1	< 0.8	400	< 20
1700N 6900E	0.3	< 1	< 1	< 0.01	< 0.05	< 1	0.7	0.7	15	10	48	30	3	2	0.6	< 0.2	2.1	< 0.1	< 0.8	0.1	< 0.8	900	< 20
1700N 7000E	0.5	< 1	< 1	< 0.01	0.16	< 1	0.9	1.2	16	11	51	80	3	2	0.6	0.3	3.6	< 0.1	< 0.8	0.3	< 0.8	1000	< 20
1700N 7100E	0.8	< 1	< 1	0.06	< 0.05	< 1	0.5	0.7	24	8	62	60	2	1	< 0.5	< 0.2	1.4	< 0.1	< 0.8	< 0.1	< 0.8	500	< 20
1700N 7200E	0.3	< 1	< 1	< 0.01	< 0.05	< 1	0.3	1.4	11	6	31	30	4	2	< 0.5	< 0.2	2.2	< 0.1	< 0.8	0.2	< 0.8	400	< 20
1700N 7300E	0.4	< 1	< 1	< 0.01	< 0.05	< 1	0.6	1.5	10	4	61	< 10	2	2	0.5	< 0.2	0.7	< 0.1	< 0.8	0.1	< 0.8	300	< 20
1700N 7400E	0.4	< 1	< 1	0.01	< 0.05	< 1	2.5	1.6	15	16	57	20	2	2	0.8	0.5	0.7	< 0.1	< 0.8	0.1	< 0.8	1300	< 20
1700N 7500E	0.8	< 1	< 1	< 0.01	< 0.05	< 1	1.3	1.4	24	13	50	40	4	3	0.6	0.3	1.6	< 0.1	< 0.8	0.2	< 0.8	1100	< 20
1700N 7600E	0.3	< 1	< 1	< 0.01	< 0.05	< 1	2.9	1.9	48	16	188	90	4	4	0.7	0.4	3.5	< 0.1	< 0.8	0.1	< 0.8	1100	< 20
1700N 7700E	0.8	< 1	< 1	< 0.01	< 0.05	< 1	0.6	1.0	19	13	37	20	2	2	0.6	< 0.2	1.1	< 0.1	< 0.8	< 0.1	< 0.8	1000	< 20
1800N 6500E	0.3	< 1	< 1	< 0.01	< 0.05	< 1	1.0	1.8	53	12	114	30	3	3	0.9	0.4	3.6	< 0.1	< 0.8	0.1	< 0.8	700	< 20
1800N 6600E	0.3	< 1	< 1	< 0.01	< 0.05	< 1	0.9	1.3	19	8	34	20	2	2	< 0.5	0.2	2.2	< 0.1	< 0.8	0.1	< 0.8	700	< 20
1800N 6700E	0.8	< 1	< 1	< 0.01	< 0.05	< 1	0.9	0.5	21	16	42	170	7	2	< 0.5	< 0.2	1.5	< 0.1	< 0.8	< 0.1	< 0.8	1000	< 20
1800N 6800E	0.5	< 1	< 1	0.02	< 0.05	< 1	2.3	0.6	20	19	43	100	3	4	0.7	0.2	1.5	< 0.1	< 0.8	< 0.1	< 0.8	1400	< 20
1800N 6900E	0.3	< 1	< 1	< 0.01	< 0.05	< 1	0.1	0.7	9	10	16	100	2	2	< 0.5	< 0.2	1.1	< 0.1	< 0.8	< 0.1	< 0.8	1000	< 20
1800N 7000E	0.4	< 1	< 1	< 0.01	< 0.05	< 1	0.2	0.5	13	10	26	180	7	2	< 0.5	< 0.2	1.9	< 0.1	< 0.8	0.1	< 0.8	700	< 20
1800N 7100E	0.5	< 1	< 1	< 0.01	< 0.05	< 1	0.5	1.4	24	12	57	20	2	2	< 0.5	< 0.2	1.3	< 0.1	< 0.8	< 0.1	< 0.8	700	< 20
1800N 7200E	0.4	< 1	< 1	0.02	< 0.05	< 1	0.3	0.7	18	9	48	40	3	2	0.5	< 0.2	1.3	< 0.1	< 0.8	0.2	< 0.8	500	< 20
1800N 7300E	0.5	< 1	< 1	< 0.01	< 0.05	< 1	1.3	1.2	65	21	64	540	4	5	0.8	0.3	6.0	< 0.1	< 0.8	0.3	< 0.8	1000	< 20
1800N 7400E	0.5	< 1	< 1	0.01	< 0.05	< 1	0.9	0.7	48	19	31	190	3	3	< 0.5	< 0.2	2.6	< 0.1	< 0.8	< 0.1	< 0.8	1400	< 20
1800N 7500E	1.2	< 1	< 1	< 0.01	< 0.05	< 1	0.2	0.5	11	11	45	30	3	2	< 0.5	< 0.2	0.8	< 0.1	< 0.8	< 0.1	< 0.8	800	< 20
1800N 7600E	1.0	< 1	< 1	< 0.01	< 0.05	< 1	3.0	1.5	57	26	69	180	5	9	1.5	0.5	1.8	< 0.1	< 0.8	0.2	< 0.8	1500	< 20
1800N 7700E	1.3	< 1	< 1	< 0.01	< 0.05	< 1	2.0	1.4	13	9	31	20	4	5	0.8	0.3	1.9	< 0.1	< 0.8	0.2	< 0.8	1000	< 20
1900N 6500E	1.0	< 1	1	< 0.01	< 0.05	< 1	3.0	0.5	41	27	36	740	8	9	0.8	0.5	6.9	< 0.1	< 0.8	0.6	< 0.8	1700	< 20

Analyte Symbol	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	Ti	Cr
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	0.1	1	1	0.01	0.05	1	0.1	0.1	1	3	3	10	1	1	0.5	0.2	0.2	0.1	0.8	0.1	0.8	100	20
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
1900N 6600E	0.8	< 1	< 1	0.01	< 0.05	< 1	2.0	0.2	6	6	25	90	2	2	< 0.5	< 0.2	1.1	< 0.1	< 0.8	0.2	< 0.8	400	< 20
1900N 6700E	1.4	< 1	2	< 0.01	< 0.05	< 1	0.9	0.8	37	12	34	200	14	3	0.6	< 0.2	3.2	< 0.1	< 0.8	0.2	< 0.8	500	< 20
1900N 6800E	0.6	< 1	< 1	< 0.01	< 0.05	< 1	0.6	0.5	14	7	34	100	4	3	< 0.5	< 0.2	3.4	< 0.1	< 0.8	0.3	< 0.8	500	< 20
1900N 6900E	0.5	< 1	< 1	< 0.01	< 0.05	< 1	1.0	0.9	8	6	29	30	3	2	< 0.5	0.3	1.7	< 0.1	< 0.8	0.3	< 0.8	600	< 20
1900N 7000E	0.4	< 1	< 1	< 0.01	< 0.05	< 1	0.9	0.9	13	6	30	100	4	2	< 0.5	< 0.2	2.6	< 0.1	< 0.8	0.2	< 0.8	400	< 20
1900N 7100E	0.7	< 1	< 1	< 0.01	< 0.05	< 1	1.0	0.6	19	13	27	180	5	4	< 0.5	< 0.2	3.4	< 0.1	< 0.8	0.3	< 0.8	600	< 20
1900N 7200E	0.7	< 1	< 1	< 0.01	< 0.05	< 1	2.0	1.1	41	19	59	170	5	5	1.0	0.5	2.5	< 0.1	< 0.8	0.5	< 0.8	1100	< 20
1900N 7300E	0.6	< 1	< 1	< 0.01	< 0.05	< 1	1.9	1.1	49	20	58	170	6	6	1.2	0.3	3.4	< 0.1	< 0.8	0.1	< 0.8	1200	< 20
1900N 7400E	0.7	< 1	< 1	< 0.01	< 0.05	< 1	1.2	0.9	21	10	34	20	4	4	0.6	< 0.2	1.2	< 0.1	< 0.8	0.2	< 0.8	500	< 20
1900N 7500E	0.7	< 1	< 1	< 0.01	< 0.05	< 1	1.2	0.9	23	16	37	110	4	4	0.7	< 0.2	4.1	< 0.1	< 0.8	0.3	< 0.8	700	< 20
1900N 7600E	0.8	< 1	< 1	< 0.01	< 0.05	< 1	1.2	0.9	48	12	61	140	4	3	0.6	< 0.2	2.2	< 0.1	< 0.8	0.2	< 0.8	700	< 20
1900N 7700E	0.5	< 1	< 1	< 0.01	< 0.05	< 1	1.1	0.8	29	13	40	190	9	7	0.8	< 0.2	5.1	< 0.1	< 0.8	0.4	< 0.8	800	< 20

Analyte Symbol	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Li	Be	Sc	Mn
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	0.5	1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	100	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
600N 7200E	4.0	37	2	1.0	0.1	2.4	7.7	0.8	3.8	1.0	0.3	0.9	0.2	1.0	0.2	0.5	< 0.1	0.5	< 0.1	17	< 2	< 100	18700
600N 7300E	4.8	70	3	1.9	0.2	3.2	11.7	1.1	4.9	1.1	0.4	1.1	0.2	1.0	0.2	0.6	0.1	0.6	< 0.1	11	< 2	< 100	19400
600N 7400E	4.1	54	4	1.6	0.2	2.6	10.0	1.0	4.2	1.1	0.3	1.0	0.1	0.8	0.2	0.6	< 0.1	0.5	< 0.1	13	< 2	< 100	14400
600N 7500E	4.0	62	3	1.6	0.5	2.4	10.1	0.8	3.5	0.9	0.3	0.9	0.2	0.8	0.2	0.6	< 0.1	0.5	< 0.1	5	< 2	< 100	18000
600N 7600E	0.9	14	2	0.5	0.2	0.6	2.7	0.2	0.8	0.2	< 0.1	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	4	< 2	< 100	32500
600N 7700E	3.5	62	4	2.0	0.2	2.5	11.3	0.8	3.4	0.7	0.3	0.8	0.1	0.8	0.2	0.5	< 0.1	0.4	< 0.1	10	< 2	< 100	33600
600N 7800E	1.6	55	4	1.7	0.1	1.0	4.1	0.3	1.6	0.3	0.1	0.4	< 0.1	0.3	< 0.1	0.2	< 0.1	0.2	< 0.1	15	< 2	< 100	54800
600N 7900E	6.6	40	< 1	1.1	< 0.1	2.9	10.2	1.1	5.2	1.4	0.5	1.3	0.2	1.3	0.3	0.9	0.1	0.9	0.1	6	< 2	< 100	3430
700N 7200E	3.9	35	< 1	0.8	< 0.1	1.9	5.7	0.7	3.2	0.8	0.3	0.7	0.1	0.8	0.1	0.5	< 0.1	0.4	< 0.1	3	< 2	< 100	10300
700N 7300E	1.8	28	2	0.8	0.1	1.2	5.3	0.4	1.7	0.4	0.2	0.4	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	2	< 2	< 100	17600
700N 7400E	2.9	33	3	0.9	0.1	2.0	8.5	0.6	2.6	0.7	0.3	0.6	0.1	0.5	0.1	0.3	< 0.1	0.3	< 0.1	12	< 2	< 100	34200
700N 7500E	17.1	103	4	2.5	0.3	7.0	22.0	2.5	12.1	3.0	0.8	2.9	0.5	2.8	0.6	1.8	0.3	1.8	0.3	7	< 2	< 100	11200
700N 7600E	3.5	60	4	1.7	0.1	2.6	11.4	0.9	3.4	0.7	0.3	0.9	0.2	0.8	0.2	0.4	< 0.1	0.4	0.1	16	< 2	< 100	33600
700N 7700E	4.3	53	2	1.4	0.1	2.4	9.4	0.9	3.6	0.9	0.3	0.9	0.2	0.9	0.2	0.5	< 0.1	0.5	0.1	4	< 2	< 100	13600
700N 7800E	5.7	71	3	2.1	0.1	3.2	13.5	1.1	4.9	1.3	0.4	1.2	0.2	1.3	0.3	0.7	0.1	0.7	0.1	7	< 2	< 100	34800
700N 7900E	4.5	55	2	1.4	< 0.1	2.4	10.3	0.8	4.0	1.0	0.3	0.9	0.2	1.0	0.2	0.7	< 0.1	0.6	0.1	5	< 2	< 100	22300
800N 7200E	6.1	57	2	1.6	0.1	2.4	9.5	0.9	4.3	1.1	0.5	1.1	0.2	1.3	0.2	0.8	0.1	0.8	0.1	3	< 2	< 100	20800
800N 7300E	9.4	78	4	2.4	0.2	4.9	15.3	1.9	9.0	2.5	0.6	2.2	0.4	2.3	0.4	1.3	0.2	1.2	0.2	13	< 2	< 100	7610
800N 7400E	3.8	62	5	1.7	0.2	2.8	13.0	0.8	3.8	0.9	0.3	0.8	0.1	0.9	0.2	0.5	< 0.1	0.5	< 0.1	8	< 2	< 100	25000
800N 7500E	1.6	20	< 1	0.6	< 0.1	1.3	4.4	0.4	1.6	0.4	0.1	0.4	< 0.1	0.3	< 0.1	0.2	< 0.1	0.2	< 0.1	< 2	< 2	< 100	18500
800N 7600E	3.3	59	3	1.6	0.1	2.5	10.4	0.8	3.4	0.8	0.3	0.8	0.1	0.7	0.1	0.4	< 0.1	0.4	< 0.1	15	< 2	< 100	46200
800N 7700E	6.7	89	4	2.5	< 0.1	3.7	16.3	1.3	6.0	1.5	0.5	1.4	0.3	1.4	0.3	0.9	0.1	0.9	0.1	24	< 2	< 100	27500
800N 7800E	7.8	59	2	1.5	0.1	3.5	9.6	1.3	5.9	1.4	0.5	1.4	0.2	1.5	0.3	0.9	0.1	0.9	0.1	4	< 2	< 100	12100
800N 7900E	6.8	52	2	1.4	0.1	3.4	12.1	1.2	5.8	1.4	0.5	1.4	0.2	1.3	0.3	0.8	0.1	0.8	0.1	10	< 2	< 100	19400
900N 7100E	1.3	16	2	0.5	0.6	0.7	2.7	0.2	0.9	0.2	0.2	0.3	< 0.1	0.3	< 0.1	0.2	< 0.1	0.1	< 0.1	10	< 2	< 100	34700
900N 7200E	3.1	66	3	1.8	0.2	2.1	9.5	0.7	2.8	0.7	0.2	0.6	0.1	0.7	0.1	0.4	< 0.1	0.4	< 0.1	7	< 2	< 100	39700
900N 7300E	2.1	45	3	1.2	< 0.1	1.3	5.2	0.4	1.9	0.5	0.2	0.5	< 0.1	0.5	< 0.1	0.3	< 0.1	0.2	< 0.1	6	< 2	< 100	31500
900N 7400E	2.5	26	2	0.7	0.1	1.8	6.7	0.5	2.4	0.6	0.2	0.5	< 0.1	0.5	< 0.1	0.3	< 0.1	0.3	< 0.1	2	< 2	< 100	22600
900N 7500E	1.3	20	3	0.6	0.2	1.0	3.6	0.3	1.1	0.3	0.1	0.3	< 0.1	0.2	< 0.1	0.2	< 0.1	0.1	< 0.1	8	< 2	< 100	26100
900N 7600E	4.5	50	2	1.4	< 0.1	2.7	9.8	0.9	4.1	1.0	0.3	0.9	0.2	0.9	0.2	0.5	< 0.1	0.5	< 0.1	11	< 2	< 100	38000
900N 7700E	6.0	75	4	2.1	0.1	3.4	10.1	1.1	5.2	1.2	0.5	1.2	0.2	1.2	0.3	0.8	0.1	0.8	0.2	17	< 2	< 100	23200
900N 7800E	2.5	43	3	1.2	0.1	1.7	8.0	0.6	2.4	0.6	0.2	0.4	0.1	0.6	0.1	0.3	< 0.1	0.3	< 0.1	4	< 2	< 100	16000
900N 7900E	4.7	50	4	1.5	0.1	2.5	10.0	0.9	4.0	1.0	0.3	0.9	0.2	1.0	0.2	0.7	< 0.1	0.7	0.1	11	< 2	< 100	23200
1000N 6900E	4.6	52	1	1.3	< 0.1	3.2	12.2	1.0	4.6	1.1	0.3	1.0	0.2	1.1	0.2	0.6	< 0.1	0.6	< 0.1	< 2	< 2	< 100	12700
1000N 7000E	2.6	63	4	1.8	0.3	1.8	8.4	0.6	2.3	0.6	0.2	0.6	0.1	0.6	0.1	0.3	< 0.1	0.4	< 0.1	10	< 2	< 100	18500
1000N 7100E	39.4	53	2	1.4	0.1	7.8	21.0	3.0	16.2	5.1	2.1	5.6	1.0	6.2	1.3	4.2	0.6	4.0	0.6	6	< 2	< 100	23600
1000N 7200E	6.6	59	2	1.5	0.1	3.3	10.0	1.2	5.3	1.2	0.4	1.2	0.2	1.3	0.2	0.8	0.1	0.8	0.1	4	< 2	< 100	9530
1000N 7300E	6.7	81	4	2.3	0.1	3.9	14.3	1.3	6.2	1.6	0.4	1.4	0.3	1.4	0.3	0.9	0.1	0.9	0.1	4	< 2	< 100	8100
1000N 7400E	5.1	90	4	2.4	0.2	3.1	12.2	1.0	4.4	1.1	0.4	1.0	0.2	1.0	0.2	0.7	< 0.1	0.7	0.1	12	< 2	< 100	28800
1000N 7500E	1.4	18	< 1	0.5	< 0.1	1.1	3.8	0.3	1.5	0.3	0.2	0.3	< 0.1	0.3	< 0.1	0.2	< 0.1	0.1	< 0.1	3	< 2	< 100	41500
1000N 7600E	4.6	51	2	1.4	< 0.1	3.0	10.3	1.0	4.4	1.1	0.4	1.0	0.2	1.0	0.2	0.5	< 0.1	0.6	< 0.1	4	< 2	< 100	32900
1000N 7700E	2.1	46	3	1.4	0.1	1.5	6.5	0.5	1.9	0.4	0.2	0.4	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	9	< 2	< 100	19800
1000N 7800E	1.6	40	4	1.3	0.1	1.1	4.9	0.3	1.4	0.3	0.1	0.4	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	16	< 2	< 100	24200
1000N 7900E	1.6	27	3	0.9	< 0.1	1.4	4.7	0.4	1.8	0.5	0.1	0.4	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	18	< 2	< 100	4770
1100N 6800E	3.3	60	2	1.5	< 0.1	2.1	9.2	0.7	3.0	0.7	0.3	0.7	0.1	0.8	0.1	0.5	< 0.1	0.4	< 0.1	8	< 2	< 100	29900
1100N 6900E	3.1	47	2	1.3	0.1	2.3	6.9	0.7	3.1	0.7	0.3	0.7	0.1	0.7	0.1	0.4	< 0.1	0.4	< 0.1	5	< 2	< 100	25400
1100N 7000E	4.2	57	3	1.6	0.2	2.1	7.0	0.7	3.3	0.8	0.3	0.8	0.1	0.9	0.2	0.5	< 0.1	0.5	< 0.1	4	< 2	< 100	6350
1100N 7100E	6.8	68	3	1.7	0.5	4.2	14.6	1.4	6.4	1.6	0.5	1.5	0.2	1.4	0.3	0.8	0.1	0.8	0.1	3	< 2	< 100	20500
1100N 7200E	10.2	23	< 1	0.6	0.2	5.5	7.0	1.5	7.0	1.5	0.4	1.3	0.2	1.4	0.3	0.9	0.1	0.9	0.1	< 2	< 2	< 100	3070
1100N 7300E	7.7	94	3	2.5	0.1	4.3	15.4	1.5	6.8	1.6	0.5	1.5	0.3	1.6	0.3	1.0	0.1	1.0	0.2	3	< 2	< 100	10100

Analyte Symbol	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Li	Be	Sc	Mn
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	0.5	1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	100	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
1100N 7400E	4.9	73	3	2.2	0.1	3.1	11.2	1.0	4.4	1.1	0.3	1.0	0.2	1.1	0.2	0.7	< 0.1	0.7	0.1	4	< 2	< 100	19300
1100N 7500E	9.0	99	2	2.7	0.1	4.6	15.9	1.6	7.0	1.8	0.6	1.7	0.3	1.9	0.4	1.1	0.2	1.1	0.2	5	< 2	< 100	43400
1100N 7600E	1.7	31	5	1.0	< 0.1	1.4	6.6	0.4	1.6	0.4	0.2	0.3	< 0.1	0.3	< 0.1	0.2	< 0.1	0.2	< 0.1	11	< 2	< 100	37300
1100N 7700E	2.1	38	3	1.1	0.1	1.9	8.1	0.6	2.2	0.5	0.2	0.5	< 0.1	0.5	< 0.1	0.3	< 0.1	0.2	< 0.1	10	< 2	< 100	26400
1100N 7800E	2.2	29	2	0.8	< 0.1	1.6	6.3	0.5	2.3	0.5	0.2	0.5	< 0.1	0.4	< 0.1	0.3	< 0.1	0.2	< 0.1	6	< 2	< 100	12800
1100N 7900E	4.8	70	3	2.0	0.1	3.3	15.8	1.1	4.7	1.1	0.4	1.1	0.2	1.1	0.2	0.6	< 0.1	0.6	< 0.1	16	< 2	< 100	17000
1200N 6700E	9.5	86	3	2.2	< 0.1	5.0	15.7	1.8	7.8	1.9	0.6	1.7	0.3	1.9	0.4	1.1	0.2	1.0	0.2	4	< 2	< 100	25800
1200N 6800E	1.7	53	4	1.7	0.2	0.9	3.0	0.3	1.3	0.3	0.2	0.3	< 0.1	0.3	< 0.1	0.2	< 0.1	0.2	< 0.1	13	< 2	< 100	19200
1200N 6900E	8.4	75	2	2.2	< 0.1	5.0	18.5	1.9	8.3	2.0	0.6	1.9	0.3	1.9	0.4	1.1	0.1	1.1	0.2	8	< 2	< 100	1430
1200N 7000E	2.1	27	3	0.9	0.1	1.3	6.2	0.4	1.9	0.5	0.2	0.5	< 0.1	0.5	< 0.1	0.3	< 0.1	0.3	< 0.1	24	< 2	< 100	32600
1200N 7100E	2.8	50	4	1.4	< 0.1	2.0	8.3	0.6	2.7	0.7	0.3	0.6	0.1	0.6	0.1	0.4	< 0.1	0.3	< 0.1	15	< 2	< 100	11500
1200N 7200E	1.4	38	4	1.2	0.1	1.3	4.8	0.4	1.4	0.3	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.1	0.2	< 0.1	18	< 2	< 100	11400
1200N 7300E	23.5	162	6	4.1	0.2	7.7	20.2	3.1	15.0	3.7	1.1	3.6	0.6	3.8	0.8	2.7	0.4	2.7	0.4	12	< 2	< 100	14400
1200N 7400E	8.4	101	5	2.9	0.2	5.0	18.4	1.8	7.6	2.0	0.6	1.8	0.3	1.9	0.3	1.0	0.2	1.1	0.1	7	< 2	< 100	5560
1200N 7500E	3.7	58	2	1.6	< 0.1	2.2	7.9	0.7	3.4	0.8	0.3	0.8	0.1	0.8	0.2	0.5	< 0.1	0.5	< 0.1	3	< 2	< 100	9350
1200N 7600E	4.7	74	2	2.0	< 0.1	2.5	10.2	0.9	4.1	1.1	0.3	0.8	0.2	1.0	0.2	0.6	< 0.1	0.6	< 0.1	5	< 2	< 100	12600
1200N 7700E	1.9	31	3	0.9	0.1	1.2	6.6	0.4	1.6	0.4	0.2	0.4	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	6	< 2	< 100	22300
1200N 7800E	2.8	37	2	1.0	< 0.1	2.0	7.5	0.6	2.9	0.6	0.2	0.6	< 0.1	0.6	0.1	0.3	< 0.1	0.4	< 0.1	6	< 2	< 100	26800
1200N 7900E	4.5	54	2	1.3	0.1	2.7	10.8	1.0	4.2	1.0	0.3	0.9	0.1	1.0	0.2	0.6	< 0.1	0.5	< 0.1	5	< 2	< 100	6120
1300N 6500E	8.0	42	4	0.9	0.1	4.8	11.8	1.8	8.4	2.0	0.5	1.8	0.3	1.5	0.3	0.9	0.1	0.9	0.1	11	< 2	< 100	1370
1300N 6600E	6.5	81	6	2.6	0.2	4.3	11.4	1.5	6.9	1.8	0.5	1.5	0.3	1.6	0.3	0.9	0.1	0.9	0.1	59	2	< 100	380
1300N 6700E	3.8	58	2	1.7	< 0.1	2.6	9.4	0.8	3.6	0.8	0.3	0.8	0.2	0.9	0.2	0.5	< 0.1	0.5	< 0.1	4	< 2	< 100	21200
1300N 6800E	4.4	32	< 1	0.9	< 0.1	3.5	10.9	1.0	4.5	0.9	0.3	0.9	0.1	0.8	0.2	0.5	< 0.1	0.4	< 0.1	10	< 2	< 100	17800
1300N 6900E	4.4	42	< 1	1.0	< 0.1	2.3	8.1	0.8	3.8	1.0	0.3	0.8	0.1	0.9	0.2	0.5	< 0.1	0.6	< 0.1	< 2	< 2	< 100	15100
1300N 7000E	2.1	22	3	0.6	0.1	1.2	5.7	0.4	1.9	0.5	0.2	0.4	< 0.1	0.4	< 0.1	0.3	< 0.1	0.3	< 0.1	8	< 2	< 100	27700
1300N 7100E	6.5	50	2	1.4	0.1	2.7	8.8	0.9	4.3	1.3	0.5	1.2	0.2	1.3	0.3	0.8	0.1	0.8	0.1	< 2	< 2	< 100	32700
1300N 7200E	12.5	93	5	2.7	0.2	5.9	20.4	2.1	10.0	2.3	0.7	2.4	0.4	2.4	0.5	1.5	0.2	1.3	0.2	8	< 2	< 100	25100
1300N 7300E	1.9	46	4	1.4	0.2	1.4	5.3	0.4	1.8	0.4	0.2	0.4	< 0.1	0.4	< 0.1	0.3	< 0.1	0.2	< 0.1	6	< 2	< 100	16500
1300N 7400E	4.0	75	5	2.2	0.1	3.1	14.0	1.0	4.4	1.0	0.4	0.9	0.2	0.9	0.2	0.6	< 0.1	0.5	< 0.1	11	< 2	< 100	25500
1300N 7500E	4.4	63	3	2.0	0.1	2.7	9.4	0.9	4.1	1.0	0.4	0.9	0.2	1.0	0.2	0.6	0.1	0.6	0.1	6	< 2	< 100	18400
1300N 7600E	3.5	61	2	1.6	0.1	2.0	8.1	0.7	3.1	0.8	0.2	0.8	0.1	0.8	0.2	0.5	< 0.1	0.5	< 0.1	3	< 2	< 100	22500
1300N 7700E	7.2	74	3	2.3	< 0.1	5.1	16.7	1.7	7.5	1.8	0.5	1.7	0.3	1.6	0.3	0.9	0.1	1.0	0.2	32	2	< 100	3470
1300N 7800E	4.0	50	2	1.4	< 0.1	2.8	10.9	0.9	4.0	0.9	0.3	0.9	0.2	0.9	0.2	0.5	< 0.1	0.5	< 0.1	10	< 2	< 100	17700
1300N 7900E	2.9	29	< 1	0.7	< 0.1	2.0	5.7	0.6	2.8	0.6	0.3	0.6	0.1	0.6	0.1	0.4	< 0.1	0.3	< 0.1	< 2	< 2	< 100	11700
1400N 6500E	4.1	32	< 1	0.9	< 0.1	2.7	9.2	0.9	3.7	0.9	0.3	0.9	0.2	0.9	0.2	0.5	< 0.1	0.5	< 0.1	5	< 2	< 100	12000
1400N 6600E	5.3	47	1	1.2	< 0.1	3.7	13.7	1.1	5.0	1.2	0.4	1.1	0.2	1.2	0.2	0.7	0.1	0.7	< 0.1	5	< 2	< 100	8430
1400N 6700E	2.1	30	2	0.8	< 0.1	1.5	5.6	0.5	1.9	0.4	0.2	0.5	< 0.1	0.4	< 0.1	0.3	< 0.1	0.3	< 0.1	8	< 2	< 100	38900
1400N 6800E	4.8	41	1	0.9	< 0.1	2.4	8.2	0.8	3.9	1.0	0.3	0.8	0.2	0.9	0.2	0.5	< 0.1	0.5	< 0.1	3	< 2	< 100	23400
1400N 6900E	30.5	69	2	1.6	0.1	16.7	33.5	5.9	27.9	7.2	2.1	6.2	1.1	5.9	1.1	3.3	0.5	2.7	0.4	13	< 2	< 100	1080
1400N 7000E	7.2	82	5	2.4	0.2	4.0	17.7	1.5	6.8	1.8	0.7	1.6	0.3	1.7	0.3	1.0	0.1	1.0	0.1	9	< 2	< 100	27600
1400N 7100E	5.8	77	2	2.0	< 0.1	3.9	14.9	1.3	5.6	1.4	0.4	1.2	0.2	1.2	0.2	0.7	0.1	0.7	< 0.1	5	< 2	< 100	20200
1400N 7200E	2.3	43	5	1.3	0.2	1.6	7.3	0.6	2.4	0.6	0.2	0.6	< 0.1	0.5	< 0.1	0.3	< 0.1	0.3	< 0.1	11	< 2	< 100	18000
1400N 7300E	3.0	58	4	1.7	0.1	2.0	9.5	0.7	3.0	0.8	0.2	0.6	0.1	0.6	0.1	0.4	< 0.1	0.3	< 0.1	7	< 2	< 100	17400
1400N 7400E	2.7	40	3	1.3	0.2	1.8	7.0	0.6	2.8	0.6	0.2	0.7	0.1	0.6	0.1	0.4	< 0.1	0.3	< 0.1	9	< 2	< 100	12400
1400N 7500E	6.1	58	2	1.6	< 0.1	3.1	10.6	1.1	5.0	1.3	0.5	1.2	0.2	1.2	0.2	0.8	0.1	0.7	0.1	4	< 2	< 100	4170
1400N 7600E	1.8	49	4	1.6	0.1	1.2	4.6	0.4	1.6	0.4	0.2	0.3	< 0.1	0.3	< 0.1	0.2	< 0.1	0.2	< 0.1	6	< 2	< 100	13900
1400N 7700E	3.1	47	3	1.5	< 0.1	2.6	9.7	0.8	3.4	0.8	0.3	0.8	0.1	0.7	0.1	0.4	< 0.1	0.4	< 0.1	22	< 2	< 100	21400
1500N 6500E	5.7	43	< 1	1.1	< 0.1	3.6	11.8	1.1	5.0	1.2	0.4	1.3	0.2	1.2	0.3	0.7	0.1	0.7	< 0.1	2	< 2	< 100	21300
1500N 6600E	6.9	55	< 1	1.3	< 0.1	4.3	13.4	1.4	6.1	1.5	0.5	1.2	0.2	1.4	0.3	0.8	0.1	0.8	0.1	3	< 2	< 100	26200
1500N 6700E	2.2	16	< 1	0.4	1.2	1.9	4.4	0.5	2.2	0.5	0.2	0.5	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	5	< 2	< 100	19200

Analyte Symbol	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Li	Be	Sc	Mn
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	0.5	1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	100	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
1500N 6800E	6.5	68	3	1.5	0.1	4.1	12.9	1.3	5.9	1.4	0.4	1.3	0.2	1.2	0.3	0.7	0.1	0.7	0.1	2	< 2	< 100	15100
1500N 6900E	1.8	30	3	0.9	0.1	15.1	18.7	0.4	1.7	0.4	0.2	0.5	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	6	< 2	< 100	33400
1500N 7000E	4.2	49	2	1.3	< 0.1	2.5	12.3	0.9	3.9	1.0	0.3	0.8	0.1	0.9	0.2	0.5	< 0.1	0.6	< 0.1	14	< 2	< 100	35400
1500N 7100E	3.8	60	3	1.5	< 0.1	2.2	8.3	0.8	3.2	0.8	0.3	0.8	0.1	0.8	0.1	0.5	< 0.1	0.5	< 0.1	4	< 2	< 100	11700
1500N 7200E	2.4	37	3	0.9	< 0.1	1.8	5.6	0.5	2.3	0.5	0.2	0.4	< 0.1	0.5	< 0.1	0.3	< 0.1	0.3	< 0.1	4	< 2	< 100	16500
1500N 7300E	4.6	54	5	1.5	0.1	2.9	11.6	1.0	4.1	0.9	0.3	1.0	0.1	0.9	0.2	0.5	< 0.1	0.5	< 0.1	4	< 2	< 100	20900
1500N 7400E	3.7	52	2	1.4	< 0.1	2.1	8.0	0.7	3.0	0.7	0.3	0.8	0.1	0.7	0.1	0.4	< 0.1	0.4	< 0.1	< 2	< 2	< 100	25400
1500N 7500E	6.1	28	2	0.7	< 0.1	2.3	7.9	0.8	3.5	1.0	0.4	1.0	0.2	1.1	0.2	0.7	0.1	0.7	0.1	3	< 2	< 100	12700
1500N 7600E	2.6	34	1	0.9	< 0.1	1.4	5.7	0.5	2.3	0.5	0.2	0.4	< 0.1	0.5	< 0.1	0.3	< 0.1	0.3	< 0.1	3	< 2	< 100	17500
1500N 7700E	15.0	91	4	2.6	0.1	7.6	29.8	3.3	16.2	4.0	1.2	3.7	0.5	3.2	0.6	1.8	0.3	2.0	0.3	35	3	< 100	7740
1600N 6500E	3.3	37	1	0.9	< 0.1	1.9	5.1	0.7	2.8	0.7	0.3	0.7	0.2	0.7	0.1	0.4	< 0.1	0.5	< 0.1	5	< 2	< 100	31000
1600N 6600E	10.3	58	2	1.4	< 0.1	4.6	12.9	1.7	8.1	2.0	0.6	1.9	0.3	1.9	0.4	1.3	0.2	1.2	0.2	3	< 2	< 100	9300
1600N 6700E	3.9	46	3	1.3	< 0.1	2.2	8.5	0.8	3.4	0.9	0.3	0.8	0.1	0.8	0.2	0.5	< 0.1	0.6	< 0.1	9	< 2	< 100	3560
1600N 6800E	3.3	71	5	1.8	0.2	2.1	7.2	0.7	3.0	0.7	0.3	0.7	0.1	0.6	0.1	0.4	< 0.1	0.4	< 0.1	8	< 2	< 100	11500
1600N 6900E	3.2	36	2	0.9	< 0.1	3.2	8.4	0.8	3.2	0.7	0.2	0.7	0.1	0.6	0.1	0.4	< 0.1	0.3	< 0.1	3	< 2	< 100	7160
1600N 7000E	3.0	65	4	1.6	0.1	2.2	8.7	0.7	2.9	0.6	0.3	0.6	< 0.1	0.6	0.1	0.4	< 0.1	0.3	< 0.1	7	< 2	< 100	14800
1600N 7100E	2.1	34	2	0.9	< 0.1	1.3	5.6	0.5	1.9	0.4	0.2	0.4	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	5	< 2	< 100	34800
1600N 7200E	4.2	41	1	1.0	< 0.1	3.4	9.6	1.1	4.4	1.0	0.3	0.8	0.1	0.8	0.1	0.5	< 0.1	0.5	< 0.1	2	< 2	< 100	9280
1600N 7300E	6.4	101	4	2.8	0.1	3.8	17.1	1.4	6.1	1.5	0.5	1.4	0.2	1.3	0.3	0.8	0.1	0.8	0.1	20	< 2	< 100	35600
1600N 7400E	6.2	66	5	1.8	0.1	3.2	10.0	1.2	5.3	1.2	0.4	1.2	0.2	1.1	0.2	0.7	0.1	0.7	0.1	19	< 2	< 100	14700
1600N 7500E	1.9	37	4	1.2	0.1	1.2	5.3	0.4	1.7	0.4	0.2	0.4	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	8	< 2	< 100	26600
1600N 7600E	2.3	45	2	1.2	0.1	1.8	6.5	0.5	2.4	0.7	0.2	0.5	< 0.1	0.5	< 0.1	0.3	< 0.1	0.2	< 0.1	4	< 2	< 100	7460
1600N 7700E	5.7	59	2	1.4	< 0.1	3.3	16.2	1.3	5.6	1.3	0.5	1.3	0.2	1.2	0.2	0.7	0.1	0.8	0.1	8	< 2	< 100	23200
1700N 6500E	4.6	41	1	1.0	< 0.1	2.7	8.3	0.9	3.9	0.9	0.3	0.8	0.1	0.9	0.2	0.5	< 0.1	0.5	< 0.1	4	< 2	< 100	4670
1700N 6600E	1.1	11	1	0.3	0.2	0.7	2.6	0.2	0.9	0.3	< 0.1	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.1	0.1	< 0.1	< 2	< 2	< 100	6820
1700N 6700E	1.0	9	1	0.2	< 0.1	0.5	1.1	0.1	0.6	0.1	< 0.1	0.2	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	22	< 2	< 100	19900
1700N 6800E	28.3	34	2	0.8	0.1	9.5	7.9	3.1	15.3	3.4	1.2	4.0	0.6	3.6	0.7	2.3	0.3	2.1	0.4	10	< 2	< 100	3740
1700N 6900E	2.8	50	3	1.4	0.1	1.8	7.6	0.6	2.5	0.6	0.2	0.5	< 0.1	0.5	0.1	0.3	< 0.1	0.3	< 0.1	3	< 2	< 100	25200
1700N 7000E	4.9	72	3	1.7	< 0.1	3.6	11.5	1.1	4.4	1.2	0.4	1.1	0.2	1.0	0.2	0.6	< 0.1	0.6	0.2	4	< 2	< 100	24400
1700N 7100E	3.6	35	3	0.9	0.1	2.0	10.6	0.7	3.3	0.7	0.3	0.7	0.1	0.7	0.1	0.4	< 0.1	0.4	< 0.1	5	< 2	< 100	11100
1700N 7200E	4.2	32	1	0.8	< 0.1	3.2	9.0	1.0	4.6	1.1	0.3	0.9	0.1	0.9	0.2	0.5	< 0.1	0.5	< 0.1	5	< 2	< 100	18400
1700N 7300E	5.0	43	1	1.0	< 0.1	4.2	11.6	1.3	5.4	1.2	0.4	1.1	0.2	1.0	0.2	0.6	< 0.1	0.4	< 0.1	2	< 2	< 100	9950
1700N 7400E	8.6	126	4	3.1	0.2	4.0	13.5	1.5	7.3	1.9	0.5	1.7	0.3	1.7	0.3	1.0	0.1	1.1	0.2	7	< 2	< 100	10600
1700N 7500E	5.6	71	4	1.8	0.2	3.5	13.9	1.2	5.1	1.3	0.4	1.1	0.2	1.1	0.2	0.6	< 0.1	0.5	< 0.1	3	< 2	< 100	41500
1700N 7600E	10.4	92	4	2.5	0.1	7.1	29.5	2.4	10.5	2.4	0.8	2.3	0.4	2.2	0.4	1.3	0.2	1.2	0.2	26	2	< 100	40000
1700N 7700E	2.7	30	4	0.9	0.1	1.4	5.2	0.5	2.1	0.5	0.3	0.5	< 0.1	0.5	< 0.1	0.3	< 0.1	0.3	< 0.1	5	< 2	< 100	17700
1800N 6500E	22.4	88	2	1.9	< 0.1	8.2	26.7	3.2	15.7	4.1	1.3	4.0	0.6	4.0	0.9	2.7	0.4	2.7	0.4	6	< 2	< 100	19300
1800N 6600E	6.5	71	2	1.6	< 0.1	3.8	12.3	1.2	5.3	1.3	0.5	1.2	0.2	1.3	0.2	0.7	0.1	0.7	0.1	4	< 2	< 100	24100
1800N 6700E	2.1	32	5	1.0	0.2	1.6	6.3	0.5	1.9	0.5	0.2	0.4	< 0.1	0.5	< 0.1	0.3	< 0.1	0.2	< 0.1	12	< 2	< 100	29600
1800N 6800E	4.1	75	5	2.1	< 0.1	1.9	6.6	0.8	3.5	0.9	0.3	0.8	0.1	0.8	0.2	0.5	< 0.1	0.5	< 0.1	19	< 2	< 100	13000
1800N 6900E	1.5	19	3	0.5	0.1	1.2	4.1	0.4	1.5	0.3	0.2	0.3	< 0.1	0.3	< 0.1	0.2	< 0.1	0.2	< 0.1	11	< 2	< 100	19500
1800N 7000E	1.6	25	3	0.7	0.1	1.3	5.9	0.4	1.6	0.4	0.2	0.3	< 0.1	0.3	< 0.1	0.2	< 0.1	0.2	< 0.1	4	< 2	< 100	23100
1800N 7100E	4.8	43	2	1.0	< 0.1	2.3	8.0	0.9	4.0	0.9	0.3	0.9	0.1	0.9	0.2	0.5	< 0.1	0.6	< 0.1	4	< 2	< 100	4550
1800N 7200E	1.8	27	2	0.8	< 0.1	1.4	4.4	0.4	1.7	0.4	0.2	0.4	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	3	< 2	< 100	32600
1800N 7300E	5.7	79	2	2.1	< 0.1	3.6	13.2	1.2	5.0	1.3	0.4	1.3	0.2	1.3	0.2	0.7	0.1	0.6	< 0.1	9	3	< 100	58600
1800N 7400E	1.3	44	6	1.4	0.1	1.3	6.5	0.3	1.5	0.4	0.2	0.3	< 0.1	0.3	< 0.1	0.2	< 0.1	0.1	< 0.1	24	< 2	< 100	28800
1800N 7500E	2.2	27	3	0.8	0.1	1.5	5.7	0.5	1.9	0.5	0.2	0.4	< 0.1	0.5	< 0.1	0.3	< 0.1	0.2	< 0.1	< 2	< 2	< 100	12100
1800N 7600E	4.9	82	5	2.6	0.1	4.0	18.6	1.3	5.4	1.3	0.6	1.1	0.2	1.1	0.2	0.6	< 0.1	0.6	< 0.1	28	< 2	< 100	16500
1800N 7700E	4.0	52	5	1.7	< 0.1	4.0	18.3	1.3	4.9	1.1	0.5	1.0	0.2	0.9	0.2	0.5	< 0.1	0.4	< 0.1	< 2	< 2	< 100	29600
1900N 6500E	2.0	87	6	2.8	0.2	1.3	5.2	0.4	1.8	0.5	0.3	0.5	< 0.1	0.5	< 0.1	0.3	< 0.1	0.3	< 0.1	7	< 2	< 100	62600

Analyte Symbol	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Li	Be	Sc	Mn
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	0.5	1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	100	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
1900N 6600E	2.7	23	2	0.7	0.1	1.5	3.1	0.5	2.2	0.5	0.3	0.5	< 0.1	0.5	< 0.1	0.3	< 0.1	0.3	< 0.1	2	< 2	< 100	2690
1900N 6700E	6.2	29	5	0.8	0.1	6.1	27.0	2.0	8.0	1.8	1.0	1.6	0.2	1.3	0.3	0.8	< 0.1	0.7	< 0.1	12	< 2	< 100	28100
1900N 6800E	1.2	23	3	0.8	< 0.1	1.3	6.2	0.4	1.7	0.4	0.3	0.3	< 0.1	0.3	< 0.1	0.2	< 0.1	0.1	< 0.1	4	< 2	< 100	27200
1900N 6900E	3.6	57	3	1.5	< 0.1	3.1	10.8	1.0	4.0	1.0	0.5	0.8	0.1	0.7	0.2	0.4	< 0.1	0.5	< 0.1	< 2	< 2	< 100	9360
1900N 7000E	3.6	42	1	1.2	< 0.1	3.2	10.7	1.0	4.1	0.9	0.4	0.8	0.1	0.8	0.2	0.5	< 0.1	0.5	< 0.1	< 2	< 2	< 100	8910
1900N 7100E	2.3	34	3	1.1	< 0.1	2.1	7.5	0.6	2.7	0.6	0.3	0.6	< 0.1	0.5	< 0.1	0.3	< 0.1	0.3	< 0.1	7	< 2	< 100	30700
1900N 7200E	8.6	97	4	2.9	< 0.1	5.9	18.6	1.9	8.3	2.0	0.8	1.8	0.3	1.8	0.3	1.0	0.2	1.2	0.2	3	< 2	< 100	20200
1900N 7300E	4.3	61	4	2.1	< 0.1	3.8	15.1	1.2	5.0	1.3	0.5	1.1	0.2	1.0	0.2	0.6	< 0.1	0.6	< 0.1	14	< 2	< 100	11000
1900N 7400E	2.7	42	2	1.5	< 0.1	2.3	8.1	0.7	2.9	0.7	0.3	0.6	0.1	0.6	0.1	0.3	< 0.1	0.3	< 0.1	< 2	< 2	< 100	23100
1900N 7500E	4.3	40	2	1.2	< 0.1	3.6	12.9	1.2	4.8	1.0	0.4	1.0	0.2	1.0	0.2	0.5	< 0.1	0.5	< 0.1	< 2	< 2	< 100	25700
1900N 7600E	2.9	39	3	1.3	< 0.1	2.3	9.7	0.9	3.3	0.9	0.4	0.7	0.1	0.7	0.1	0.4	< 0.1	0.4	< 0.1	7	< 2	< 100	16900
1900N 7700E	2.9	36	3	1.1	< 0.1	2.8	10.8	0.9	3.7	0.9	0.5	0.8	0.1	0.7	0.1	0.3	< 0.1	0.4	< 0.1	< 2	< 2	< 100	50100

Analyte Symbol	Rb	Sr	Cs	Ba	Ru	Pd	Os	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	1	1	0.1	1	1	1	1	1
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
600N 7200E	26	164	0.1	594	< 1	< 1	< 1	< 1
600N 7300E	19	198	< 0.1	786	< 1	< 1	< 1	< 1
600N 7400E	23	300	0.1	571	< 1	< 1	< 1	< 1
600N 7500E	27	350	0.1	1130	< 1	< 1	< 1	< 1
600N 7600E	22	282	0.1	718	< 1	< 1	< 1	< 1
600N 7700E	17	327	0.2	1210	< 1	< 1	< 1	< 1
600N 7800E	47	291	0.1	680	< 1	< 1	< 1	< 1
600N 7900E	29	378	0.1	1160	< 1	< 1	< 1	< 1
700N 7200E	27	254	0.1	942	< 1	< 1	< 1	< 1
700N 7300E	47	344	0.3	1120	< 1	< 1	< 1	< 1
700N 7400E	39	461	0.2	981	< 1	< 1	< 1	< 1
700N 7500E	34	604	0.3	515	< 1	< 1	< 1	< 1
700N 7600E	22	391	0.2	1230	< 1	< 1	< 1	< 1
700N 7700E	41	440	0.3	1110	< 1	< 1	< 1	< 1
700N 7800E	48	451	0.2	1210	< 1	< 1	< 1	< 1
700N 7900E	26	284	0.1	1210	< 1	< 1	< 1	< 1
800N 7200E	17	244	0.2	1350	< 1	< 1	< 1	< 1
800N 7300E	19	408	0.2	325	< 1	< 1	< 1	< 1
800N 7400E	49	577	0.3	1100	< 1	< 1	< 1	< 1
800N 7500E	68	309	0.2	509	< 1	< 1	< 1	< 1
800N 7600E	34	236	0.2	1100	< 1	< 1	< 1	< 1
800N 7700E	15	422	0.1	1120	< 1	< 1	< 1	< 1
800N 7800E	46	532	0.2	792	< 1	< 1	< 1	< 1
800N 7900E	25	351	0.2	913	< 1	< 1	< 1	< 1
900N 7100E	14	368	0.2	1090	< 1	< 1	< 1	< 1
900N 7200E	40	184	0.2	901	< 1	< 1	< 1	< 1
900N 7300E	41	359	0.1	677	< 1	< 1	< 1	< 1
900N 7400E	39	415	0.2	637	< 1	< 1	< 1	< 1
900N 7500E	25	388	0.3	892	< 1	< 1	< 1	< 1
900N 7600E	27	292	0.1	807	< 1	< 1	< 1	< 1
900N 7700E	42	564	0.3	1160	< 1	< 1	< 1	< 1
900N 7800E	73	575	0.2	407	< 1	< 1	< 1	< 1
900N 7900E	31	285	0.2	821	< 1	< 1	< 1	< 1
1000N 6900E	56	307	0.1	794	< 1	< 1	< 1	< 1
1000N 7000E	24	224	0.3	1230	< 1	< 1	< 1	< 1
1000N 7100E	21	342	0.5	2010	< 1	< 1	< 1	< 1
1000N 7200E	42	512	0.1	1030	< 1	< 1	< 1	< 1
1000N 7300E	62	419	0.2	691	< 1	< 1	< 1	< 1
1000N 7400E	47	380	0.3	1380	< 1	< 1	< 1	< 1
1000N 7500E	109	320	0.4	1000	< 1	< 1	< 1	< 1
1000N 7600E	56	401	0.2	996	< 1	< 1	< 1	< 1
1000N 7700E	23	448	< 0.1	774	< 1	< 1	< 1	< 1
1000N 7800E	33	484	0.2	977	< 1	< 1	< 1	< 1
1000N 7900E	6	263	0.1	694	< 1	< 1	< 1	< 1
1100N 6800E	32	318	0.2	1230	< 1	< 1	< 1	< 1
1100N 6900E	53	478	0.2	1050	< 1	< 1	< 1	< 1
1100N 7000E	18	322	0.2	1230	< 1	< 1	< 1	< 1
1100N 7100E	50	409	0.2	1690	< 1	< 1	< 1	< 1
1100N 7200E	43	758	0.2	206	< 1	< 1	< 1	< 1
1100N 7300E	44	495	0.2	1310	< 1	< 1	< 1	< 1

Analyte Symbol	Rb	Sr	Cs	Ba	Ru	Pd	Os	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	1	1	0.1	1	1	1	1	1
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1100N 7400E	49	503	0.1	1000	< 1	< 1	< 1	< 1
1100N 7500E	48	560	0.2	1650	< 1	< 1	< 1	< 1
1100N 7600E	21	470	0.1	899	< 1	< 1	< 1	< 1
1100N 7700E	46	457	0.2	1180	< 1	< 1	< 1	< 1
1100N 7800E	34	532	0.2	1200	< 1	< 1	< 1	< 1
1100N 7900E	40	361	0.3	1510	< 1	< 1	< 1	< 1
1200N 6700E	36	348	0.1	1430	< 1	< 1	< 1	< 1
1200N 6800E	16	511	0.4	1420	< 1	< 1	< 1	< 1
1200N 6900E	13	360	0.1	1160	< 1	< 1	< 1	< 1
1200N 7000E	21	270	0.3	1320	< 1	< 1	< 1	< 1
1200N 7100E	16	241	0.3	1340	< 1	< 1	< 1	< 1
1200N 7200E	11	264	0.2	758	< 1	< 1	< 1	< 1
1200N 7300E	12	831	< 0.1	1690	< 1	1	< 1	< 1
1200N 7400E	15	673	0.1	1170	< 1	< 1	< 1	< 1
1200N 7500E	49	426	0.2	780	< 1	< 1	< 1	< 1
1200N 7600E	40	360	0.2	1390	< 1	< 1	< 1	< 1
1200N 7700E	29	371	0.2	659	< 1	< 1	< 1	< 1
1200N 7800E	38	309	0.2	804	< 1	< 1	< 1	< 1
1200N 7900E	24	487	0.2	1530	< 1	< 1	< 1	< 1
1300N 6500E	4	352	< 0.1	783	< 1	< 1	< 1	< 1
1300N 6600E	19	297	0.1	958	< 1	< 1	< 1	< 1
1300N 6700E	31	291	0.1	1190	< 1	< 1	< 1	< 1
1300N 6800E	27	193	0.2	1070	< 1	< 1	< 1	< 1
1300N 6900E	30	366	0.2	1360	< 1	< 1	< 1	< 1
1300N 7000E	21	317	0.1	1480	< 1	< 1	< 1	< 1
1300N 7100E	61	435	0.2	1810	< 1	< 1	< 1	< 1
1300N 7200E	30	765	0.3	1170	< 1	< 1	< 1	< 1
1300N 7300E	22	521	0.3	1880	< 1	< 1	< 1	< 1
1300N 7400E	22	352	0.2	1750	< 1	< 1	< 1	< 1
1300N 7500E	40	539	< 0.1	1430	< 1	< 1	< 1	< 1
1300N 7600E	59	360	0.1	1090	< 1	< 1	< 1	< 1
1300N 7700E	18	299	0.1	1130	< 1	< 1	< 1	< 1
1300N 7800E	29	255	0.2	937	< 1	< 1	< 1	< 1
1300N 7900E	33	298	0.1	1700	< 1	< 1	< 1	< 1
1400N 6500E	19	154	< 0.1	715	< 1	< 1	< 1	< 1
1400N 6600E	21	138	< 0.1	963	< 1	< 1	< 1	< 1
1400N 6700E	44	220	0.3	1110	< 1	< 1	< 1	< 1
1400N 6800E	45	247	0.2	1310	< 1	< 1	< 1	< 1
1400N 6900E	12	1540	0.2	2250	< 1	< 1	< 1	< 1
1400N 7000E	40	301	0.2	2550	< 1	< 1	< 1	< 1
1400N 7100E	38	260	0.1	1240	< 1	< 1	< 1	< 1
1400N 7200E	28	399	0.1	866	< 1	< 1	< 1	< 1
1400N 7300E	26	388	< 0.1	1040	< 1	< 1	< 1	< 1
1400N 7400E	26	354	< 0.1	918	< 1	< 1	< 1	< 1
1400N 7500E	33	372	0.1	1280	< 1	< 1	< 1	< 1
1400N 7600E	42	505	0.1	1280	< 1	< 1	< 1	< 1
1400N 7700E	53	252	0.2	969	< 1	< 1	< 1	< 1
1500N 6500E	32	270	0.2	944	< 1	< 1	< 1	< 1
1500N 6600E	41	378	0.2	1430	< 1	< 1	< 1	< 1
1500N 6700E	33	100	0.7	705	< 1	< 1	< 1	< 1

Analyte Symbol	Rb	Sr	Cs	Ba	Ru	Pd	Os	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	1	1	0.1	1	1	1	1	1
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1500N 6800E	86	382	0.3	1140	< 1	< 1	< 1	< 1
1500N 6900E	37	251	0.2	885	< 1	< 1	< 1	< 1
1500N 7000E	26	231	0.1	1340	< 1	< 1	< 1	< 1
1500N 7100E	41	308	0.1	1120	< 1	< 1	< 1	< 1
1500N 7200E	30	280	0.1	906	< 1	< 1	< 1	< 1
1500N 7300E	49	426	0.1	889	< 1	< 1	< 1	< 1
1500N 7400E	68	367	0.2	1100	< 1	< 1	< 1	< 1
1500N 7500E	19	341	< 0.1	1160	< 1	< 1	< 1	< 1
1500N 7600E	28	239	< 0.1	867	< 1	< 1	< 1	< 1
1500N 7700E	5	472	0.2	2260	< 1	< 1	< 1	< 1
1600N 6500E	86	451	0.3	779	< 1	< 1	< 1	< 1
1600N 6600E	21	503	0.1	1180	< 1	< 1	< 1	< 1
1600N 6700E	22	429	< 0.1	599	< 1	< 1	< 1	< 1
1600N 6800E	29	391	0.2	1320	< 1	< 1	< 1	< 1
1600N 6900E	42	236	0.1	757	< 1	< 1	< 1	< 1
1600N 7000E	27	474	0.2	1510	< 1	< 1	< 1	< 1
1600N 7100E	65	234	0.4	812	< 1	< 1	< 1	< 1
1600N 7200E	39	311	0.2	1090	< 1	< 1	< 1	< 1
1600N 7300E	26	502	0.2	1740	< 1	< 1	< 1	< 1
1600N 7400E	45	556	0.2	807	< 1	< 1	< 1	< 1
1600N 7500E	10	516	< 0.1	1610	< 1	< 1	< 1	< 1
1600N 7600E	18	437	0.1	555	< 1	< 1	< 1	< 1
1600N 7700E	34	391	0.1	1940	< 1	< 1	< 1	< 1
1700N 6500E	27	381	< 0.1	1160	< 1	< 1	< 1	< 1
1700N 6600E	41	268	0.2	361	< 1	< 1	< 1	< 1
1700N 6700E	96	843	0.2	1020	< 1	< 1	< 1	< 1
1700N 6800E	11	633	< 0.1	1030	< 1	< 1	< 1	< 1
1700N 6900E	35	351	0.1	1230	< 1	< 1	< 1	< 1
1700N 7000E	50	323	0.2	1380	< 1	< 1	< 1	< 1
1700N 7100E	34	627	< 0.1	852	< 1	< 1	< 1	< 1
1700N 7200E	49	294	0.2	1050	< 1	< 1	< 1	< 1
1700N 7300E	43	251	0.2	694	< 1	< 1	< 1	< 1
1700N 7400E	55	635	0.2	1210	< 1	< 1	< 1	< 1
1700N 7500E	59	425	0.1	1310	< 1	< 1	< 1	< 1
1700N 7600E	35	384	0.2	1440	< 1	< 1	< 1	< 1
1700N 7700E	13	555	< 0.1	2930	< 1	< 1	< 1	< 1
1800N 6500E	55	554	0.4	1870	< 1	< 1	< 1	< 1
1800N 6600E	38	400	0.2	2200	< 1	< 1	< 1	< 1
1800N 6700E	16	419	< 0.1	1300	< 1	< 1	< 1	< 1
1800N 6800E	29	496	< 0.1	1180	< 1	< 1	< 1	< 1
1800N 6900E	35	200	0.2	1240	< 1	< 1	< 1	< 1
1800N 7000E	45	311	0.1	1230	< 1	< 1	< 1	< 1
1800N 7100E	37	411	< 0.1	921	< 1	< 1	< 1	< 1
1800N 7200E	48	307	0.1	966	< 1	< 1	< 1	< 1
1800N 7300E	42	344	0.1	1440	< 1	< 1	< 1	< 1
1800N 7400E	9	483	0.2	1290	< 1	< 1	< 1	< 1
1800N 7500E	44	424	0.2	857	< 1	< 1	< 1	< 1
1800N 7600E	26	457	0.8	1850	< 1	< 1	< 1	< 1
1800N 7700E	44	414	0.1	2090	< 1	< 1	< 1	< 1
1900N 6500E	105	619	0.2	1670	< 1	< 1	< 1	< 1

Analyte Symbol	Rb	Sr	Cs	Ba	Ru	Pd	Os	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	1	1	0.1	1	1	1	1	1
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1900N 6600E	28	924	< 0.1	1030	< 1	< 1	< 1	< 1
1900N 6700E	37	423	0.1	3560	< 1	< 1	< 1	< 1
1900N 6800E	64	308	0.1	1660	< 1	< 1	< 1	< 1
1900N 6900E	47	326	0.2	2300	< 1	< 1	< 1	< 1
1900N 7000E	53	333	0.2	1240	< 1	< 1	< 1	< 1
1900N 7100E	88	354	0.2	989	< 1	< 1	< 1	< 1
1900N 7200E	67	512	0.2	2550	< 1	< 1	< 1	< 1
1900N 7300E	26	448	0.4	1620	< 1	< 1	< 1	< 1
1900N 7400E	39	538	0.2	1360	< 1	< 1	< 1	< 1
1900N 7500E	43	421	0.2	1440	< 1	< 1	< 1	< 1
1900N 7600E	24	472	< 0.1	1360	< 1	< 1	< 1	< 1
1900N 7700E	46	325	0.2	1990	< 1	< 1	< 1	< 1

Analyte Symbol	Al	Ca	Fe	K	Mg	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga	Gd
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppb	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	0.2	0.5	0.05	1	0.07	0.1	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	0.1	0.03
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
TILL-2 Meas			616				943	6.95	4810	179		3950		2560	107	795	17.1	6850		105	59.1		
TILL-2 Cert			38400.00				26000	2	540000	4000.0		12200.0		98000	15000	74000	12000	150000		3700.0	1000.0		
TILL-2 Meas			687				901	12.6	4130	177		3240		2520	88.0	740	13.2	5790		97.5	55.6		
TILL-2 Cert			38400.00				26000	2	540000	4000.0		12200.0		98000	15000	74000	12000	150000		3700.0	1000.0		
TILL-2 Meas																							
TILL-2 Cert																							
TILL-2 Meas																							
TILL-2 Cert																							
700N 7300E Orig																							
700N 7300E Dup																							
700N 7400E Orig																							
700N 7400E Dup																							
800N 7500E Orig	206	331	57	76	24	0.8	51.4	2.01	758	9.86	0.4	330	13.6	135	11.9	8	0.38	129	8.19	3.89	2.64	57.6	10.0
800N 7500E Dup	208	334	58	77	25	0.8	54.7	< 0.05	877	10.6	0.1	352	13.2	137	13.6	11	0.42	130	7.79	3.64	2.61	65.7	9.50
800N 7600E Orig																							
800N 7600E Dup																							
900N 7400E Orig																							
900N 7400E Dup																							
900N 7900E Orig																							
900N 7900E Dup																							
1000N 7500E Orig	249	101	45	32	10	0.9	32.4	< 0.05	662	9.24	0.1	342	13.5	128	15.9	4	0.51	153	8.19	3.73	2.55	53.7	9.55
1000N 7500E Dup	280	119	52	39	13	1.0	37.8	< 0.05	726	10.7	< 0.1	376	13.9	127	16.4	8	0.58	169	8.05	3.71	2.56	58.3	9.46
1100N 7800E Orig																							
1100N 7800E Dup																							
1100N 7900E Orig																							
1200N 6900E Orig	402	210	412	21	46	3.0	108	0.09	2770	20.7	0.2	432	7.98	485	61.1	249	0.09	576	35.1	16.5	10.7	144	38.0
1200N 6900E Dup	330	209	346	17	46	2.7	89.6	< 0.05	2430	20.7	0.2	432	6.75	416	50.3	249	0.09	483	29.2	13.7	8.91	126	32.6
1200N 7500E Orig																							
1200N 7500E Dup																							
1300N 6900E Orig																							
1300N 7000E Orig																							
1300N 7000E Dup																							
1300N 7400E Orig	377	301	319	51	56	3.6	95.7	0.87	4180	23.4	0.5	305	14.0	400	57.0	118	0.40	379	19.3	9.30	6.32	198	21.4
1300N 7400E Dup	379	300	329	54	58	3.6	98.7	0.86	4460	24.3	0.4	319	14.1	404	58.8	126	0.35	386	19.9	9.27	6.35	204	22.0
1400N 7700E Orig	515	178	421	24	60	2.3	128	0.71	2980	26.2	0.5	354	9.06	266	187	250	0.51	381	15.4	6.87	4.80	143	16.5
1400N 7700E Dup	500	175	405	23	61	2.4	126	< 0.05	2800	26.8	0.5	327	8.54	255	187	242	0.46	392	14.7	6.20	4.58	140	15.1
1500N 6500E Orig																							
1500N 6500E Dup																							
1500N 7500E Orig																							
1600N 7000E Orig																							

Analyte Symbol	Al	Ca	Fe	K	Mg	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga	Gd
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppb	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	0.2	0.5	0.05	1	0.07	0.1	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	0.1	0.03
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
1600N 7000E Dup																							
1600N 7300E Orig	334	285	271	56	94	3.3	106	1.18	3970	24.1	0.1	151	38.7	533	130	115	0.70	351	30.1	14.3	9.06	159	32.6
1600N 7300E Dup	310	283	247	56	90	3.5	94.8	< 0.05	3720	20.9	< 0.1	144	36.6	542	116	102	0.57	314	29.7	14.0	9.07	148	32.1
1700N 6700E Orig																							
1700N 6700E Dup																							
1800N 6500E Orig	123	343	94	33	60	2.9	68.6	< 0.05	2090	23.4	< 0.1	10	13.1	625	39.4	79	0.77	358	69.6	36.8	22.4	82.0	75.6
1800N 6500E Dup	122	352	91	34	56	3.1	71.2	< 0.05	2050	23.1	< 0.1	18	12.6	662	39.5	80	0.83	355	72.2	38.5	23.4	82.9	78.3
1900N 6900E Orig																							
1900N 6900E Dup																							
1900N 7500E Orig	301	218	157	61	62	2.3	58.5	0.28	2080	13.9	0.2	140	20.7	257	48.0	74	0.22	198	14.9	7.26	4.74	84.2	17.0
1900N 7500E Dup	303	223	161	61	64	2.1	58.7	< 0.05	2070	14.4	< 0.1	138	21.3	256	51.5	75	0.23	204	15.4	7.42	4.90	86.7	17.7
Method Blank	< 0.5	< 5	< 1	< 5	< 2	< 0.2	< 0.5	< 0.05	< 1	< 0.07	< 0.1	< 5	< 0.05	< 0.02	< 0.1	< 2	< 0.01	0.7	< 0.01	< 0.01	< 0.01	< 0.1	< 0.03
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 0.5	< 5	< 1	< 5	< 2	< 0.2	< 0.5	< 0.05	< 1	< 0.07	< 0.1	< 5	< 0.05	< 0.02	< 0.1	< 2	< 0.01	0.5	< 0.01	< 0.01	< 0.01	< 0.1	< 0.03
Method Blank	< 0.5	< 5	< 1	< 5	< 2	< 0.2	< 0.5	< 0.05	< 1	< 0.07	< 0.1	< 5	< 0.05	< 0.02	< 0.1	< 2	< 0.01	< 0.5	< 0.01	< 0.01	< 0.01	< 0.1	< 0.03
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Ge	Hf	Hg	Ho	I	In	La	Li	Lu	Mn	Mo	Nb	Nd	Ni	Os	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb
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	0.05	0.04	0.05	0.01	1	0.1	0.01	0.2	0.01	0.1	2	0.2	0.03	0.2	1	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
TILL-2 Meas		19.3	3.52				1340	25.4	11.0	21300	137	29.9	1190	117		559				281			6.8
TILL-2 Cert		11000	70.0				44000	47000	600.0	780000	14000	20000	36000	32000		31000				143000			800.0
TILL-2 Meas		17.6	2.79				1220	19.6	11.0	17500	112	31.4	1070	104		480				231			6.2
TILL-2 Cert		11000	70.0				44000	47000	600.0	780000	14000	20000	36000	32000		31000				143000			800.0
TILL-2 Meas																							
TILL-2 Cert																							
TILL-2 Meas																							
TILL-2 Cert																							
700N 7300E Orig																							
700N 7300E Dup																							
700N 7400E Orig																							
700N 7400E Dup																							
800N 7500E Orig	0.32	7.43	0.13	1.40	33	0.2	43.2	< 0.2	0.37	83300	3	5.4	48.7	14.5	< 1	36.7	2.7	12.1	< 0.5	92.2	< 0.01	< 0.05	1.4
800N 7500E Dup	0.38	7.56	< 0.05	1.40	33	0.2	43.2	0.4	0.39	86600	3	6.3	47.8	14.7	< 1	37.5	2.9	11.9	< 0.5	96.6	< 0.01	< 0.05	1.6
800N 7600E Orig																							
800N 7600E Dup																							
900N 7400E Orig																							
900N 7400E Dup																							
900N 7900E Orig																							
900N 7900E Dup																							
1000N 7500E Orig	0.58	8.24	< 0.05	1.45	39	0.2	33.1	< 0.2	0.46	99500	3	4.1	46.0	13.0	< 1	62.5	3.2	11.1	< 0.5	125	< 0.01	< 0.05	1.4
1000N 7500E Dup	0.69	9.41	0.09	1.47	45	0.2	39.7	< 0.2	0.46	99500	6	4.8	56.4	12.6	< 1	62.7	3.1	11.6	< 0.5	143	< 0.01	< 0.05	1.7
1100N 7800E Orig																							
1100N 7800E Dup																							
1100N 7900E Orig																							
1200N 6900E Orig	1.66	27.2	0.84	6.26	52	0.8	143	< 0.2	1.82	4920	5	22.0	179	29.7	< 1	82.5	8.6	45.2	< 0.5	5.8	< 0.01	< 0.05	2.4
1200N 6900E Dup	1.65	23.1	0.61	5.22	53	0.6	121	< 0.2	1.51	4920	5	22.2	152	24.5	< 1	82.6	7.4	37.6	< 0.5	5.8	< 0.01	< 0.05	2.4
1200N 7500E Orig																							
1200N 7500E Dup																							
1300N 6900E Orig																							
1300N 7000E Orig																							
1300N 7000E Dup																							
1300N 7400E Orig	3.10	32.4	0.49	3.54	24	0.8	93.6	5.2	1.03	113000	36	38.0	101	33.4	< 1	70.4	10.3	25.8	< 0.5	18.4	< 0.01	< 0.05	2.4
1300N 7400E Dup	3.19	33.0	0.49	3.57	26	1.0	93.6	5.3	1.02	116000	37	39.1	103	38.1	< 1	73.8	10.8	26.5	< 0.5	19.2	< 0.01	< 0.05	2.3
1400N 7700E Orig	0.22	19.0	1.80	2.69	37	0.8	77.1	3.1	0.66	88800	18	32.1	74.6	49.0	< 1	148	5.5	19.3	< 0.5	49.7	< 0.01	< 0.05	2.8
1400N 7700E Dup	0.34	19.1	1.49	2.53	36	0.8	73.5	2.9	0.66	89800	18	32.8	72.5	59.0	< 1	148	6.0	18.3	< 0.5	48.3	< 0.01	< 0.05	2.6
1500N 6500E Orig																							
1500N 6500E Dup																							
1500N 7500E Orig																							
1600N 7000E Orig																							

Analyte Symbol	Ge	Hf	Hg	Ho	I	In	La	Li	Lu	Mn	Mo	Nb	Nd	Ni	Os	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb
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	0.05	0.04	0.05	0.01	1	0.1	0.01	0.2	0.01	0.1	2	0.2	0.03	0.2	1	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
1600N 7000E Dup																							
1600N 7300E Orig	0.74	25.7	0.86	5.47	33	0.6	126	5.6	1.55	161000	16	30.1	155	44.0	< 1	82.8	9.8	37.8	< 0.5	24.6	0.02	< 0.05	2.4
1600N 7300E Dup	0.59	26.2	< 0.05	5.25	27	0.6	127	5.1	1.54	143000	14	27.3	152	37.4	< 1	75.3	9.4	37.4	< 0.5	23.5	0.01	< 0.05	2.3
1700N 6700E Orig																							
1700N 6700E Dup																							
1800N 6500E Orig	0.59	18.5	< 0.05	13.7	17	0.3	229	1.5	5.14	45800	11	7.5	324	17.5	< 1	21.8	7.6	72.1	< 0.5	42.7	< 0.01	< 0.05	1.7
1800N 6500E Dup	0.71	19.9	< 0.05	14.2	16	0.3	240	1.2	5.29	45800	11	7.8	334	18.1	< 1	25.8	7.7	74.1	< 0.5	44.6	< 0.01	< 0.05	1.4
1900N 6900E Orig																							
1900N 6900E Dup																							
1900N 7500E Orig	0.58	14.2	0.59	2.56	40	0.4	73.2	0.8	0.82	139000	18	15.9	79.9	44.5	< 1	65.7	5.0	20.2	< 0.5	40.1	0.01	< 0.05	2.5
1900N 7500E Dup	2.58	14.2	0.59	2.73	37	0.4	73.9	0.9	0.83	149000	18	16.2	82.1	46.5	< 1	65.2	4.8	20.4	< 0.5	42.2	0.02	< 0.05	2.7
Method Blank	1.89	< 0.04	0.76	< 0.01	< 1	< 0.1	< 0.01	< 0.2	< 0.01	0.2	< 2	< 0.2	< 0.03	< 0.2	< 1	< 0.1	< 0.5	< 0.01	< 0.5	< 0.1	< 0.01	< 0.05	< 0.2
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	1.89	< 0.04	0.79	< 0.01	< 1	< 0.1	< 0.01	< 0.2	< 0.01	< 0.1	< 2	0.2	< 0.03	< 0.2	< 1	< 0.1	< 0.5	< 0.01	< 0.5	< 0.1	< 0.01	< 0.05	< 0.2
Method Blank	1.88	< 0.04	0.76	< 0.01	< 1	< 0.1	< 0.01	< 0.2	< 0.01	< 0.1	< 2	< 0.2	< 0.03	< 0.2	< 1	< 0.1	< 0.5	< 0.01	< 0.5	< 0.1	< 0.01	< 0.05	< 0.2
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Sc	Se	Sm	Sr	Ta	Tb	Te	Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr	Ag	Al	As	Au	Ba	Be
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Lower Limit	0.5	1	0.03	0.1	0.01	0.01	1	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2	0.5	0.2	0.5	0.5	0.05	1	0.07
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
TILL-2 Meas	250		271	882	2.08	44.2		390			306	389	102	1160	85.0	1080	430			106	0.15	502	22.7
TILL-2 Cert	12000		7400.0	144000	1900.0	1200.0		18400.0			5700.0	77000	5000	40000	3700.0	130000	390000			26000	2	540000	4000.0
TILL-2 Meas	235		256	803	3.02	40.4		404			258	345	98.4	984	75.8	1000	392			111	0.14	449	25.4
TILL-2 Cert	12000		7400.0	144000	1900.0	1200.0		18400.0			5700.0	77000	5000	40000	3700.0	130000	390000			26000	2	540000	4000.0
TILL-2 Meas																				101	0.14	625	26.1
TILL-2 Cert																				26000	2	540000	4000.0
TILL-2 Meas																				106	0.14	613	17.9
TILL-2 Cert																				26000	2	540000	4000.0
700N 7300E Orig																							
700N 7300E Dup																							
700N 7400E Orig																		4.8	53.8	22.8	< 0.05	242	2.11
700N 7400E Dup																		5.2	58.1	25.6	< 0.05	291	2.52
800N 7500E Orig	40.2	< 1	11.4	431	0.34	1.58	< 1	17.7	1.0	0.47	8.71	117	0.81	37.4	3.01	177	218						
800N 7500E Dup	38.2	< 1	11.1	446	0.31	1.50	< 1	17.8	0.8	0.48	8.57	128	0.88	39.2	3.16	221	232						
800N 7600E Orig																							
800N 7600E Dup																							
900N 7400E Orig																							
900N 7400E Dup																							
900N 7900E Orig																		4.4	74.2	23.0	< 0.05	175	3.66
900N 7900E Dup																		4.4	74.8	25.8	< 0.05	177	3.59
1000N 7500E Orig	43.3	< 1	9.61	245	0.20	1.51	< 1	18.4	0.9	0.45	12.2	94	0.79	36.6	3.05	247	236						
1000N 7500E Dup	46.7	< 1	11.7	263	0.23	1.50	< 1	21.8	1.1	0.54	12.1	103	0.79	41.6	3.10	249	260						
1100N 7800E Orig																		8.1	37.0	19.0	< 0.05	453	2.81
1100N 7800E Dup																		7.6	34.8	16.6	< 0.05	455	2.65
1100N 7900E Orig																							
1200N 6900E Orig	108	13	40.4	529	1.01	6.50	< 1	56.3	< 0.2	2.07	26.1	433	4.05	151	13.2	344	878						
1200N 6900E Dup	92.1	13	40.3	479	1.03	5.58	< 1	46.8	< 0.2	2.06	21.9	433	4.34	127	13.3	305	760						
1200N 7500E Orig																							
1200N 7500E Dup																							
1300N 6900E Orig																							
1300N 7000E Orig																		8.2	41.7	11.4	0.10	705	3.49
1300N 7000E Dup																		8.0	47.0	12.9	0.11	721	3.75
1300N 7400E Orig	91.9	14	23.4	632	1.23	3.73	< 1	61.4	< 0.2	1.21	25.3	256	6.48	88.5	7.93	617	1050						
1300N 7400E Dup	96.3	13	24.5	647	1.26	3.73	< 1	61.5	< 0.2	1.25	25.2	269	6.41	89.5	7.75	744	1050						
1400N 7700E Orig	70.0	11	17.6	324	1.15	2.92	< 1	60.0	0.3	0.96	18.4	538	4.87	60.2	5.62	499	558						
1400N 7700E Dup	69.5	7	17.6	310	1.14	2.71	< 1	57.4	0.3	0.83	18.5	525	4.72	60.7	5.29	513	561						
1500N 6500E Orig																		6.1	38.1	9.3	0.06	80	2.68
1500N 6500E Dup																		6.5	37.9	8.9	0.05	74	2.70
1500N 7500E Orig																							

Analyte Symbol	Sc	Se	Sm	Sr	Ta	Tb	Te	Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr	Ag	Al	As	Au	Ba	Be
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Lower Limit	0.5	1	0.03	0.1	0.01	0.01	1	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2	0.5	0.2	0.5	0.5	0.05	1	0.07
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
1600N 7000E Orig																		13.3	44.5	17.5	0.06	404	2.49
1600N 7000E Dup																		12.7	42.5	16.3	< 0.05	447	2.25
1600N 7300E Orig	127	10	36.2	678	0.81	5.62	< 1	67.3	0.3	1.97	27.1	241	4.29	142	12.2	1710	858						
1600N 7300E Dup	121	7	35.8	644	1.00	5.45	< 1	66.4	0.4	1.95	26.4	229	3.91	136	12.0	1550	831						
1700N 6700E Orig																							
1700N 6700E Dup																							
1800N 6500E Orig	294	13	82.6	784	0.23	12.5	< 1	38.3	0.5	5.28	27.9	245	3.69	427	34.6	128	698	8.7	35.7	14.0	0.21	334	3.50
1800N 6500E Dup	300	15	85.6	839	0.28	13.0	< 1	39.7	0.5	5.48	28.8	247	3.76	428	37.1	117	721	9.0	37.4	17.0	0.21	316	3.77
1900N 6900E Orig																		10.3	48.1	5.8	< 0.05	444	3.19
1900N 6900E Dup																		9.5	42.3	4.8	< 0.05	403	2.81
1900N 7500E Orig	68.0	5	18.9	528	0.65	2.74	< 1	36.9	1.0	0.99	21.4	146	2.98	73.2	5.89	573	415						
1900N 7500E Dup	66.4	9	19.4	547	0.76	2.87	< 1	36.3	0.8	1.06	21.1	146	3.02	77.1	6.52	558	415						
Method Blank	< 0.5	< 1	< 0.03	< 0.1	0.01	< 0.01	< 1	< 0.02	< 0.2	< 0.01	< 0.01	< 1	0.02	< 0.02	< 0.02	< 2	1.1						
Method Blank																		< 0.2	< 0.5	< 0.5	< 0.05	< 1	< 0.07
Method Blank																		< 0.2	< 0.5	< 0.5	< 0.05	< 1	< 0.07
Method Blank																		< 0.2	< 0.5	< 0.5	< 0.05	< 1	< 0.07
Method Blank																		< 0.2	< 0.5	< 0.5	< 0.05	< 1	< 0.07
Method Blank																		< 0.2	< 0.5	< 0.5	< 0.05	< 1	< 0.07
Method Blank																		< 0.2	< 0.5	< 0.5	< 0.05	< 1	< 0.07
Method Blank																		< 0.2	< 0.5	< 0.5	< 0.05	< 1	< 0.07
Method Blank	1.6	< 1	< 0.03	< 0.1	0.01	< 0.01	< 1	0.04	< 0.2	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.02	< 2	< 0.5						
Method Blank	< 0.5	< 1	< 0.03	< 0.1	< 0.01	< 0.01	< 1	< 0.02	< 0.2	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.02	< 2	< 0.5						
Method Blank																		< 0.2	< 0.5	< 0.5	< 0.05	< 1	< 0.07
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Hg	Ho	I	In	K	La
Unit Symbol	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb
Lower Limit	0.1	5	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	1	0.1	0.03	0.05	0.04	0.05	0.01	1	0.1	5	0.01
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
TILL-2 Meas		1350			1640	71.1	57	21.3	2760		51.0	28.6	77				6.45	0.83					850
TILL-2 Cert		12200.0			98000	15000	74000	12000	150000		3700.0	1000.0	38400.00				11000	70.0					44000
TILL-2 Meas		1370			1560	76.6	60	21.4	2710		50.8	32.6	80				6.55	0.86					890
TILL-2 Cert		12200.0			98000	15000	74000	12000	150000		3700.0	1000.0	38400.00				11000	70.0					44000
TILL-2 Meas		1380			1810	74.8	59	20.8	3170		56.6	32.9	85				6.66	0.82					891
TILL-2 Cert		12200.0			98000	15000	74000	12000	150000		3700.0	1000.0	38400.00				11000	70.0					44000
TILL-2 Meas		1270			1730	62.5	56	19.5	2990		49.5	33.7	67				6.35	0.72					861
TILL-2 Cert		12200.0			98000	15000	74000	12000	150000		3700.0	1000.0	38400.00				11000	70.0					44000
700N 7300E Orig																							
700N 7300E Dup																							
700N 7400E Orig	< 0.1	203	104	88.2	88.1	91.0	11	0.56	521	8.14	3.71	2.15	41	14.2	7.22	0.68	2.31	< 0.05	1.44	35	< 0.1	321	18.8
700N 7400E Dup	< 0.1	208	105	94.5	93.8	98.4	12	0.57	563	8.62	4.09	2.42	45	15.4	7.89	0.77	2.73	< 0.05	1.60	37	< 0.1	342	20.5
800N 7500E Orig																							
800N 7500E Dup																							
800N 7600E Orig																							
800N 7600E Dup																							
900N 7400E Orig																							
900N 7400E Dup																							
900N 7900E Orig	0.2	200	67	58.3	166	306	16	0.30	357	19.6	9.97	3.94	90	17.9	15.0	0.53	4.07	< 0.05	3.43	36	0.2	283	42.0
900N 7900E Dup	0.2	193	68	58.9	167	301	16	0.30	358	19.6	9.94	3.92	88	18.6	15.5	0.44	4.48	< 0.05	3.51	37	0.2	279	43.6
1000N 7500E Orig																							
1000N 7500E Dup																							
1100N 7800E Orig	< 0.1	101	134	65.3	224	129	10	0.43	453	23.3	10.8	5.93	28	13.6	21.3	0.82	3.11	< 0.05	4.11	47	< 0.1	267	53.8
1100N 7800E Dup	< 0.1	87	137	57.7	214	117	7	0.44	429	21.9	10.4	5.84	26	12.4	20.2	0.54	2.74	< 0.05	3.89	43	< 0.1	250	54.4
1100N 7900E Orig																							
1200N 6900E Orig																							
1200N 6900E Dup																							
1200N 7500E Orig																							
1200N 7500E Dup																							
1300N 6900E Orig																							
1300N 7000E Orig	< 0.1	62	74	81.3	109	240	5	0.59	520	11.8	5.67	3.38	39	15.2	10.9	0.59	2.27	< 0.05	2.17	36	< 0.1	303	17.4
1300N 7000E Dup	0.1	60	74	82.7	109	245	5	0.58	522	12.7	5.75	3.48	44	17.2	11.2	0.55	2.47	< 0.05	2.26	35	0.1	319	17.7
1300N 7400E Orig																							
1300N 7400E Dup																							
1400N 7700E Orig																							
1400N 7700E Dup																							
1500N 6500E Orig	0.1	147	79	18.5	168	65.1	5	0.58	208	20.6	9.73	4.25	27	9.4	17.0	0.60	3.25	< 0.05	3.73	60	< 0.1	253	52.0
1500N 6500E Dup	0.2	150	80	18.9	176	64.5	5	0.62	207	21.3	10.1	4.50	27	9.5	17.3	0.65	3.11	< 0.05	3.85	62	< 0.1	267	54.8
1500N 7500E Orig																							

Analyte Symbol	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Hg	Ho	I	In	K	La
Unit Symbol	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb
Lower Limit	0.1	5	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	1	0.1	0.03	0.05	0.04	0.05	0.01	1	0.1	5	0.01
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
1600N 7000E Orig	0.2	130	138	35.9	163	47.1	6	0.67	342	16.5	7.94	3.93	43	12.3	15.2	0.65	6.48	0.11	2.99	78	< 0.1	294	45.3
1600N 7000E Dup	0.2	119	139	34.2	161	43.8	4	0.62	322	15.5	7.62	3.83	40	11.9	14.8	0.66	6.34	< 0.05	2.84	74	< 0.1	283	45.0
1600N 7300E Orig																							
1600N 7300E Dup																							
1700N 6700E Orig																							
1700N 6700E Dup																							
1800N 6500E Orig	0.1	93	115	33.4	431	97.8	14	1.24	680	79.1	40.9	18.9	37	13.1	68.2	0.90	5.67	< 0.05	15.3	34	< 0.1	173	168
1800N 6500E Dup	< 0.1	86	118	37.9	491	108	14	1.15	614	87.2	46.8	20.7	37	12.0	75.0	0.96	5.50	< 0.05	16.8	36	< 0.1	194	177
1900N 6900E Orig	0.1	141	109	44.7	203	61.9	< 2	0.52	257	19.0	9.75	5.03	27	11.2	18.7	0.65	4.78	< 0.05	3.89	64	< 0.1	463	72.9
1900N 6900E Dup	0.1	143	103	44.5	200	51.2	< 2	0.56	223	18.6	9.48	4.85	24	9.8	18.1	0.63	4.11	< 0.05	3.86	63	< 0.1	452	59.8
1900N 7500E Orig																							
1900N 7500E Dup																							
Method Blank																							
Method Blank	< 0.1	< 5	< 5	< 0.05	< 0.02	< 0.1	< 2	< 0.01	< 0.5	< 0.01	< 0.01	< 0.01	< 1	< 0.1	< 0.03	< 0.05	< 0.04	< 0.05	< 0.01	< 1	< 0.1	< 5	< 0.01
Method Blank	< 0.1	< 5	< 5	< 0.05	< 0.02	< 0.1	< 2	< 0.01	< 0.5	< 0.01	< 0.01	< 0.01	< 1	< 0.1	< 0.03	< 0.05	< 0.04	< 0.05	< 0.01	< 1	< 0.1	< 5	< 0.01
Method Blank	< 0.1	< 5	< 5	< 0.05	< 0.02	< 0.1	< 2	< 0.01	< 0.5	< 0.01	< 0.01	< 0.01	< 1	< 0.1	< 0.03	< 0.05	< 0.04	< 0.05	< 0.01	< 1	< 0.1	< 5	< 0.01
Method Blank	< 0.1	< 5	< 5	< 0.05	< 0.02	< 0.1	< 2	< 0.01	< 0.5	< 0.01	< 0.01	< 0.01	< 1	< 0.1	< 0.03	< 0.05	< 0.04	< 0.05	< 0.01	< 1	< 0.1	< 5	< 0.01
Method Blank	< 0.1	< 5	< 5	< 0.05	< 0.02	< 0.1	< 2	< 0.01	< 0.5	< 0.01	< 0.01	< 0.01	< 1	< 0.1	< 0.03	< 0.05	< 0.04	< 0.05	< 0.01	< 1	< 0.1	< 5	< 0.01
Method Blank	< 0.1	< 5	< 5	< 0.05	< 0.02	< 0.1	< 2	< 0.01	< 0.5	< 0.01	< 0.01	< 0.01	< 1	< 0.1	< 0.03	< 0.05	< 0.04	< 0.05	< 0.01	< 1	< 0.1	< 5	< 0.01
Method Blank	< 0.1	< 5	< 5	< 0.05	< 0.02	< 0.1	< 2	< 0.01	< 0.5	< 0.01	< 0.01	< 0.01	< 1	< 0.1	< 0.03	< 0.05	< 0.04	< 0.05	< 0.01	< 1	< 0.1	< 5	< 0.01
Method Blank																							
Method Blank																							
Method Blank	< 0.1	< 5	< 5	< 0.05	< 0.02	< 0.1	< 2	< 0.01	< 0.5	< 0.01	< 0.01	< 0.01	< 1	< 0.1	< 0.03	< 0.05	< 0.04	< 0.05	< 0.01	< 1	< 0.1	< 5	< 0.01
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Li	Lu	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb	Sc	Se	Sm	Sr	Ta	Tb	Te
Unit Symbol	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.2	0.01	2	0.1	2	0.2	0.03	0.2	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2	0.5	1	0.03	0.1	0.01	0.01	1
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
TILL-2 Meas	11.3	4.97		16700	80	15.3	673	66.7	1150				344			2.6	101		139	196	0.67	22.1	
TILL-2 Cert	47000	600.0		780000	14000	20000	36000	32000	31000				143000			800.0	12000		7400.0	144000	1900.0	1200.0	
TILL-2 Meas	8.7	5.07		18000	79	15.0	754	72.7	1140				357			2.7	114		162	197	0.59	25.4	
TILL-2 Cert	47000	600.0		780000	14000	20000	36000	32000	31000				143000			800.0	12000		7400.0	144000	1900.0	1200.0	
TILL-2 Meas	9.8	5.37		17500	83	14.9	812	78.3	1160				391			2.8	112		153	204	0.60	25.3	
TILL-2 Cert	47000	600.0		780000	14000	20000	36000	32000	31000				143000			800.0	12000		7400.0	144000	1900.0	1200.0	
TILL-2 Meas	7.5	4.25		17300	69	13.8	793	63.8	1150				338			2.7	97.7		153	197	0.41	20.3	
TILL-2 Cert	47000	600.0		780000	14000	20000	36000	32000	31000				143000			800.0	12000		7400.0	144000	1900.0	1200.0	
700N 7300E Orig																							
700N 7300E Dup																							
700N 7400E Orig	4.4	0.41	8	138000	6	3.5	31.6	22.7	116	1.0	7.60	< 0.5	102	0.01	< 0.05	0.6	27.2	< 1	7.79	137	0.08	1.45	< 1
700N 7400E Dup	4.3	0.45	8	147000	6	3.9	34.0	24.0	121	1.1	8.07	< 0.5	110	< 0.01	< 0.05	0.6	29.4	< 1	8.43	154	0.08	1.59	< 1
800N 7500E Orig																							
800N 7500E Dup																							
800N 7600E Orig																							
800N 7600E Dup																							
900N 7400E Orig																							
900N 7400E Dup																							
900N 7900E Orig	3.6	0.63	9	97300	11	4.5	62.6	39.8	211	1.9	14.9	< 0.5	54.6	< 0.01	< 0.05	0.9	34.1	4	15.7	80.9	0.04	2.52	< 1
900N 7900E Dup	3.9	0.66	9	98900	12	4.5	62.8	40.5	212	1.8	14.4	< 0.5	55.3	< 0.01	< 0.05	0.8	34.4	3	15.6	74.7	0.06	2.54	< 1
1000N 7500E Orig																							
1000N 7500E Dup																							
1100N 7800E Orig	< 0.2	0.70	21	107000	13	1.8	94.5	28.8	130	1.2	21.7	< 0.5	70.1	0.01	< 0.05	0.6	44.3	2	22.9	292	0.10	3.70	< 1
1100N 7800E Dup	< 0.2	0.68	21	99600	13	1.7	89.5	26.7	122	1.4	20.4	< 0.5	66.2	< 0.01	< 0.05	0.6	41.8	2	22.0	282	< 0.01	3.45	< 1
1100N 7900E Orig																							
1200N 6900E Orig																							
1200N 6900E Dup																							
1200N 7500E Orig																							
1200N 7500E Dup																							
1300N 6900E Orig																							
1300N 7000E Orig	4.8	0.65	18	200000	11	3.7	38.4	27.5	202	0.8	8.41	< 0.5	56.9	< 0.01	< 0.05	0.7	47.6	< 1	10.5	172	0.06	2.03	< 1
1300N 7000E Dup	4.9	0.68	20	205000	11	4.0	39.2	29.4	212	0.9	8.53	< 0.5	60.3	< 0.01	< 0.05	0.8	46.7	< 1	11.1	188	0.05	2.11	< 1
1300N 7400E Orig																							
1300N 7400E Dup																							
1400N 7700E Orig																							
1400N 7700E Dup																							
1500N 6500E Orig	< 0.2	1.00	7	71400	5	1.2	69.4	16.4	145	1.5	16.2	< 0.5	71.2	< 0.01	< 0.05	0.4	35.5	2	17.0	45.6	0.07	3.51	< 1
1500N 6500E Dup	< 0.2	1.05	7	72700	5	1.1	73.3	16.9	153	1.6	17.1	< 0.5	77.3	< 0.01	< 0.05	0.5	35.7	3	18.2	49.5	0.08	3.68	< 1
1500N 7500E Orig																							

Analyte Symbol	Li	Lu	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb	Sc	Se	Sm	Sr	Ta	Tb	Te
Unit Symbol	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.2	0.01	2	0.1	2	0.2	0.03	0.2	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2	0.5	1	0.03	0.1	0.01	0.01	1
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
1600N 7000E Orig	3.9	0.86	14	71300	16	5.1	60.2	21.4	111	2.8	15.5	< 0.5	59.4	< 0.01	< 0.05	0.7	59.9	3	15.2	213	0.29	2.78	< 1
1600N 7000E Dup	3.2	0.86	14	71000	16	5.2	57.7	20.6	106	2.8	15.2	< 0.5	58.7	< 0.01	< 0.05	0.6	58.0	3	15.0	228	0.31	2.67	< 1
1600N 7300E Orig																							
1600N 7300E Dup																							
1700N 6700E Orig																							
1700N 6700E Dup																							
1800N 6500E Orig	< 0.2	4.66	11	45600	7	2.1	258	18.6	94.4	2.7	54.3	< 0.5	79.3	< 0.01	< 0.05	0.6	105	5	66.7	198	0.16	13.1	< 1
1800N 6500E Dup	< 0.2	5.27	9	51800	7	2.1	295	19.2	91.5	2.6	61.5	< 0.5	81.2	< 0.01	< 0.05	0.7	113	6	73.5	163	0.16	14.8	< 1
1900N 6900E Orig	< 0.2	1.09	12	74700	9	2.6	81.5	13.7	85.8	2.2	20.0	< 0.5	96.5	< 0.01	< 0.05	1.4	41.3	2	18.6	142	0.10	3.82	< 1
1900N 6900E Dup	< 0.2	1.05	10	76000	9	2.5	81.4	11.9	83.2	2.0	19.4	< 0.5	82.0	< 0.01	< 0.05	0.5	37.6	2	18.4	142	0.10	3.98	< 1
1900N 7500E Orig																							
1900N 7500E Dup																							
Method Blank																							
Method Blank	< 0.2	< 0.01	< 2	< 0.1	< 2	< 0.2	< 0.03	< 0.2	< 0.1	< 0.5	< 0.01	< 0.5	< 0.1	< 0.01	< 0.05	< 0.2	< 0.5	< 1	< 0.03	< 0.1	< 0.01	< 0.01	< 1
Method Blank	< 0.2	< 0.01	< 2	< 0.1	< 2	< 0.2	< 0.03	< 0.2	< 0.1	< 0.5	< 0.01	< 0.5	< 0.1	< 0.01	< 0.05	< 0.2	< 0.5	< 1	< 0.03	< 0.1	< 0.01	< 0.01	< 1
Method Blank	< 0.2	< 0.01	< 2	< 0.1	< 2	< 0.2	< 0.03	< 0.2	< 0.1	< 0.5	< 0.01	< 0.5	< 0.1	< 0.01	< 0.05	< 0.2	< 0.5	< 1	< 0.03	< 0.1	< 0.01	< 0.01	< 1
Method Blank	< 0.2	< 0.01	< 2	< 0.1	< 2	< 0.2	< 0.03	< 0.2	< 0.1	< 0.5	< 0.01	< 0.5	< 0.1	< 0.01	< 0.05	< 0.2	< 0.5	< 1	< 0.03	< 0.1	< 0.01	< 0.01	< 1
Method Blank	< 0.2	< 0.01	< 2	< 0.1	< 2	< 0.2	< 0.03	< 0.2	< 0.1	< 0.5	< 0.01	< 0.5	< 0.1	< 0.01	< 0.05	< 0.2	< 0.5	< 1	< 0.03	< 0.1	< 0.01	< 0.01	< 1
Method Blank	< 0.2	< 0.01	< 2	< 0.1	< 2	< 0.2	< 0.03	< 0.2	< 0.1	< 0.5	< 0.01	< 0.5	< 0.1	< 0.01	< 0.05	< 0.2	< 0.5	< 1	< 0.03	< 0.1	< 0.01	< 0.01	< 1
Method Blank	< 0.2	< 0.01	< 2	< 0.1	< 2	< 0.2	< 0.03	< 0.2	< 0.1	< 0.5	< 0.01	< 0.5	< 0.1	< 0.01	< 0.05	< 0.2	< 0.5	< 1	< 0.03	< 0.1	< 0.01	< 0.01	< 1
Method Blank																							
Method Blank																							
Method Blank	< 0.2	< 0.01	< 2	< 0.1	< 2	< 0.2	< 0.03	< 0.2	< 0.1	< 0.5	< 0.01	< 0.5	< 0.1	< 0.01	< 0.05	< 0.2	< 0.5	< 1	< 0.03	< 0.1	< 0.01	< 0.01	< 1
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr	Al	Ca	Fe	K	Mg	Na	Cl	Br	I	V	As	Se	Mo
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2	0.5	0.5	5	1	5	2	5	2000	5	2	1	1	5	1
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	ENZ-MS	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	92.2			111	93	21.9	599	36.8	815	172			40					874		107	51		46
TILL-2 Cert	18400.0			5700.0	77000	5000	40000	3700.0	130000	390000			38400.00					12200.0		77000	26000		14000
TILL-2 Meas	94.5			116	94	22.4	592	38.8	924	173													
TILL-2 Cert	18400.0			5700.0	77000	5000	40000	3700.0	130000	390000													
TILL-2 Meas	91.3			112	102	23.4	594	40.3	874	170													
TILL-2 Cert	18400.0			5700.0	77000	5000	40000	3700.0	130000	390000													
TILL-2 Meas	81.6			103	98	19.0	534	34.4	680	172													
TILL-2 Cert	18400.0			5700.0	77000	5000	40000	3700.0	130000	390000													
700N 7300E Orig											13.1	134	4	65	14	5	13000	143	46	70	16	< 5	11
700N 7300E Dup											13.0	129	4	61	14	< 5	11000	119	42	67	15	< 5	11
700N 7400E Orig	7.60	< 0.2	0.50	4.71	19	0.33	36.6	3.07	1610	77.0													
700N 7400E Dup	8.40	< 0.2	0.52	5.15	20	0.32	40.2	3.33	1710	88.5													
800N 7500E Orig																							
800N 7500E Dup																							
800N 7600E Orig											21.1	67	7	43	17	9	13000	94	30	77	17	< 5	7
800N 7600E Dup											26.2	71	8	47	19	11	18000	127	35	88	20	< 5	8
900N 7400E Orig											17.2	134	6	41	13	< 5	8000	119	26	51	11	< 5	13
900N 7400E Dup											16.1	119	5	40	11	< 5	6000	67	21	48	11	< 5	12
900N 7900E Orig	8.52	< 0.2	1.09	10.1	61	0.26	91.0	8.03	889	149													
900N 7900E Dup	8.53	< 0.2	1.06	10.1	66	0.25	92.1	7.77	873	147													
1000N 7500E Orig																							
1000N 7500E Dup																							
1100N 7800E Orig	8.31	< 0.2	1.11	10.1	43	< 0.01	112	7.91	1050	106													
1100N 7800E Dup	7.94	< 0.2	1.09	10.0	35	0.05	105	7.14	958	97.9													
1100N 7900E Orig											21.7	67	8	55	17	7	7000	81	24	75	14	< 5	4
1200N 6900E Orig																							
1200N 6900E Dup																							
1200N 7500E Orig											24.9	105	9	29	13	7	10000	113	29	91	9	< 5	4
1200N 7500E Dup											27.1	110	9	32	13	6	11000	115	29	98	10	< 5	4
1300N 6900E Orig											11.4	94	4	20	9	6	5000	96	41	59	4	< 5	4
1300N 7000E Orig	7.87	< 0.2	0.75	5.82	15	< 0.01	59.3	4.66	1010	79.3													
1300N 7000E Dup	8.45	< 0.2	0.76	6.18	16	0.14	61.5	4.85	1030	83.5													
1300N 7400E Orig																							
1300N 7400E Dup																							
1400N 7700E Orig																							
1400N 7700E Dup																							
1500N 6500E Orig	8.10	0.2	1.26	9.79	25	0.51	92.2	7.56	541	125													
1500N 6500E Dup	8.23	0.3	1.29	9.64	24	0.50	93.8	8.02	571	125													
1500N 7500E Orig											26.2	123	9	30	10	8	12000	139	22	44	7	< 5	5

Analyte Symbol	Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr	Al	Ca	Fe	K	Mg	Na	Cl	Br	I	V	As	Se	Mo
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2	0.5	0.5	5	1	5	2	5	2000	5	2	1	1	5	1
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1600N 7000E Orig	13.8	0.2	1.03	10.5	18	1.24	76.0	6.20	993	232													
1600N 7000E Dup	13.6	< 0.2	1.01	10.4	16	1.46	71.4	5.94	926	218													
1600N 7300E Orig											30.8	109	11	67	23	12	22000	136	28	108	14	< 5	4
1600N 7300E Dup											30.7	113	11	69	23	12	21000	132	29	95	15	< 5	4
1700N 6700E Orig											11.2	367	3	214	51	6	49000	140	21	275	25	< 5	21
1700N 6700E Dup											11.8	427	4	230	60	6	50000	149	22	343	27	6	23
1800N 6500E Orig	14.7	< 0.2	5.31	15.2	61	1.65	420	33.0	224	218													
1800N 6500E Dup	15.0	< 0.2	5.99	16.5	59	1.60	479	36.6	238	232													
1900N 6900E Orig	11.2	0.3	1.27	13.0	11	0.74	100	8.39	740	195	9.5	46	3	57	8	< 5	< 2000	47	26	43	8	< 5	4
1900N 6900E Dup	9.52	0.3	1.29	11.1	11	0.78	96.1	6.96	741	166	13.0	57	4	67	11	6	3000	63	33	50	9	< 5	5
1900N 7500E Orig																							
1900N 7500E Dup																							
Method Blank																							
Method Blank	< 0.02	< 0.2	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.02	< 2	< 0.5													
Method Blank	< 0.02	< 0.2	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.02	< 2	< 0.5													
Method Blank	< 0.02	< 0.2	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.02	< 2	< 0.5													
Method Blank	< 0.02	< 0.2	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.02	< 2	< 0.5													
Method Blank	< 0.02	< 0.2	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.02	< 2	< 0.5													
Method Blank	< 0.02	< 0.2	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.02	< 2	< 0.5													
Method Blank	< 0.02	< 0.2	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.02	< 2	< 0.5													
Method Blank																							
Method Blank																							
Method Blank	< 0.02	< 0.2	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.02	< 2	< 0.5													
Method Blank											< 0.5	< 5	< 1	< 5	< 2	< 5	< 2000	< 5	< 2	< 1	< 1	< 5	< 1
Method Blank											< 0.5	< 5	< 1	< 5	< 2	< 5	< 2000	< 5	< 2	< 1	< 1	< 5	< 1
Method Blank											< 0.5	< 5	< 1	< 5	< 2	< 5	< 2000	< 5	< 2	< 1	< 1	< 5	< 1

Analyte Symbol	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	Ti	Cr
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	0.1	1	1	0.01	0.05	1	0.1	0.1	1	3	3	10	1	1	0.5	0.2	0.2	0.1	0.8	0.1	0.8	100	20
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	1.8		6		0.08	< 1	18.5	13.7	32	51	321	150	45									2400	60
TILL-2 Cert	800.0		5000		2	70.0	18400.0	5700.0	15000	32000	150000	130000	31000									5300000	74000
TILL-2 Meas																							
TILL-2 Cert																							
TILL-2 Meas																							
TILL-2 Cert																							
TILL-2 Meas																							
TILL-2 Cert																							
700N 7300E Orig	0.8	< 1	< 1	< 0.01	< 0.05	< 1	1.1	0.7	12	7	22	70	5	2	< 0.5	< 0.2	1.5	< 0.1	< 0.8	0.1	< 0.8	500	< 20
700N 7300E Dup	0.7	< 1	< 1	0.01	< 0.05	< 1	0.8	0.7	12	7	20	80	5	2	< 0.5	< 0.2	1.5	< 0.1	< 0.8	0.1	< 0.8	500	< 20
700N 7400E Orig																							
700N 7400E Dup																							
800N 7500E Orig																							
800N 7500E Dup																							
800N 7600E Orig	0.6	< 1	< 1	< 0.01	< 0.05	< 1	1.1	0.9	39	17	35	350	4	3	< 0.5	0.2	3.0	< 0.1	< 0.8	0.2	< 0.8	800	< 20
800N 7600E Dup	0.6	< 1	< 1	< 0.01	< 0.05	1	1.5	1.0	47	20	46	390	4	4	< 0.5	0.2	3.9	< 0.1	< 0.8	0.2	< 0.8	1000	< 20
900N 7400E Orig	0.6	< 1	< 1	0.01	< 0.05	< 1	0.5	1.0	13	8	23	40	5	3	< 0.5	< 0.2	3.4	< 0.1	< 0.8	0.1	< 0.8	500	< 20
900N 7400E Dup	0.5	< 1	< 1	0.01	< 0.05	< 1	0.4	0.9	12	7	19	40	4	3	< 0.5	< 0.2	3.2	< 0.1	< 0.8	0.1	< 0.8	500	< 20
900N 7900E Orig																							
900N 7900E Dup																							
1000N 7500E Orig																							
1000N 7500E Dup																							
1100N 7800E Orig																							
1100N 7800E Dup																							
1100N 7900E Orig	0.5	< 1	< 1	< 0.01	< 0.05	< 1	2.2	2.0	31	13	47	110	3	3	0.6	0.2	2.4	< 0.1	< 0.8	0.1	< 0.8	900	< 20
1200N 6900E Orig																							
1200N 6900E Dup																							
1200N 7500E Orig	0.6	< 1	< 1	0.02	< 0.05	< 1	1.6	1.2	17	9	32	10	4	2	< 0.5	< 0.2	0.9	< 0.1	< 0.8	< 0.1	< 0.8	700	< 20
1200N 7500E Dup	0.5	< 1	< 1	0.02	< 0.05	< 1	1.5	1.2	18	9	34	10	4	3	< 0.5	0.2	1.1	< 0.1	< 0.8	< 0.1	< 0.8	700	< 20
1300N 6900E Orig	0.4	< 1	< 1	< 0.01	< 0.05	< 1	0.5	1.1	16	3	46	< 10	2	2	< 0.5	< 0.2	1.4	< 0.1	< 0.8	0.1	< 0.8	300	< 20
1300N 7000E Orig																							
1300N 7000E Dup																							
1300N 7400E Orig																							
1300N 7400E Dup																							
1400N 7700E Orig																							
1400N 7700E Dup																							
1500N 6500E Orig																							
1500N 6500E Dup																							
1500N 7500E Orig	0.4	< 1	< 1	< 0.01	< 0.05	< 1	0.7	0.9	23	8	70	40	2	2	0.6	< 0.2	2.1	< 0.1	< 0.8	< 0.1	< 0.8	600	< 20
1600N 7000E Orig																							
1600N 7000E Dup																							

Analyte Symbol	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	Ti	Cr
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	0.1	1	1	0.01	0.05	1	0.1	0.1	1	3	3	10	1	1	0.5	0.2	0.2	0.1	0.8	0.1	0.8	100	20
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
1600N 7300E Orig	0.5	< 1	< 1	0.02	< 0.05	< 1	2.0	1.3	45	22	71	290	3	3	1.0	0.4	5.8	< 0.1	< 0.8	0.1	< 0.8	1200	< 20
1600N 7300E Dup	0.5	< 1	< 1	< 0.01	< 0.05	< 1	2.0	1.4	48	21	70	310	3	3	0.7	0.4	6.2	< 0.1	< 0.8	0.1	< 0.8	1200	< 20
1700N 6700E Orig	0.4	< 1	< 1	0.01	< 0.05	< 1	0.3	0.1	11	11	32	190	12	1	< 0.5	< 0.2	3.5	< 0.1	< 0.8	0.8	< 0.8	300	< 20
1700N 6700E Dup	0.5	< 1	< 1	0.01	< 0.05	< 1	0.4	0.1	12	14	34	210	13	2	< 0.5	< 0.2	3.7	< 0.1	< 0.8	1.0	< 0.8	400	< 20
1800N 6500E Orig																							
1800N 6500E Dup																							
1900N 6900E Orig	0.4	< 1	< 1	< 0.01	< 0.05	< 1	0.8	0.8	7	5	26	30	2	2	< 0.5	0.2	1.5	< 0.1	< 0.8	0.2	< 0.8	500	< 20
1900N 6900E Dup	0.5	< 1	< 1	< 0.01	< 0.05	< 1	1.1	1.0	9	6	32	30	4	2	< 0.5	0.4	1.9	< 0.1	< 0.8	0.3	< 0.8	700	< 20
1900N 7500E Orig																							
1900N 7500E Dup																							
Method Blank																							
Method Blank																							
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Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 0.1	< 1	< 1	< 0.01	< 0.05	< 1	< 0.1	< 0.1	< 1	< 3	< 3	< 10	< 1	< 1	< 0.5	< 0.2	< 0.2	< 0.1	< 0.8	< 0.1	< 0.8	< 100	< 20
Method Blank	< 0.1	< 1	< 1	< 0.01	< 0.05	< 1	< 0.1	< 0.1	< 1	< 3	< 3	< 10	< 1	< 1	< 0.5	< 0.2	< 0.2	< 0.1	< 0.8	< 0.1	< 0.8	< 100	< 20
Method Blank	1.0	< 1	< 1	< 0.01	< 0.05	< 1	0.3	< 0.1	< 1	< 3	< 3	< 10	< 1	< 1	< 0.5	< 0.2	< 0.2	< 0.1	< 0.8	< 0.1	< 0.8	< 100	< 20

Analyte Symbol	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Li	Be	Sc	Mn
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	0.5	1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	100	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	50.3	79	9	2.6	0.7	47.4	122		51.8	11.2	2.5		1.7			5.5		5.0	0.7	36	6	< 100	5720
TILL-2 Cert	40000	390000	20000	11000	1900.0	44000	98000		36000	7400.0	1000.0		1200.0			3700.0		3700.0	600.0	47000	4000.0	12000	780000
TILL-2 Meas																							
TILL-2 Cert																							
TILL-2 Meas																							
TILL-2 Cert																							
TILL-2 Meas																							
TILL-2 Cert																							
700N 7300E Orig	1.8	28	2	0.7	0.2	1.2	5.5	0.4	1.7	0.4	0.2	0.4	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	2	< 2	< 100	17300
700N 7300E Dup	1.8	28	2	0.8	0.1	1.2	5.2	0.4	1.6	0.4	0.2	0.3	< 0.1	0.3	< 0.1	0.2	< 0.1	0.2	< 0.1	2	< 2	< 100	17900
700N 7400E Orig																							
700N 7400E Dup																							
800N 7500E Orig																							
800N 7500E Dup																							
800N 7600E Orig	3.0	53	3	1.5	0.1	2.3	9.7	0.8	3.1	0.7	0.3	0.7	0.1	0.7	0.1	0.4	< 0.1	0.4	< 0.1	13	< 2	< 100	43200
800N 7600E Dup	3.7	64	3	1.7	0.1	2.6	11.2	0.8	3.8	0.9	0.3	0.8	0.1	0.8	0.2	0.5	< 0.1	0.5	< 0.1	16	< 2	< 100	49200
900N 7400E Orig	2.7	27	2	0.6	0.1	2.1	7.3	0.6	2.6	0.6	0.2	0.6	< 0.1	0.6	0.1	0.3	< 0.1	0.3	< 0.1	2	< 2	< 100	23800
900N 7400E Dup	2.4	25	2	0.7	0.1	1.5	6.1	0.5	2.2	0.5	0.2	0.5	< 0.1	0.4	< 0.1	0.3	< 0.1	0.2	< 0.1	2	< 2	< 100	21500
900N 7900E Orig																							
900N 7900E Dup																							
1000N 7500E Orig																							
1000N 7500E Dup																							
1100N 7800E Orig																							
1100N 7800E Dup																							
1100N 7900E Orig	4.8	70	3	2.0	0.1	3.3	15.8	1.1	4.7	1.1	0.4	1.1	0.2	1.1	0.2	0.6	< 0.1	0.6	< 0.1	16	< 2	< 100	17000
1200N 6900E Orig																							
1200N 6900E Dup																							
1200N 7500E Orig	3.7	56	2	1.6	< 0.1	2.3	8.0	0.8	3.5	0.8	0.3	0.8	0.1	0.8	0.2	0.5	< 0.1	0.5	< 0.1	3	< 2	< 100	9410
1200N 7500E Dup	3.8	60	2	1.6	0.1	2.1	7.7	0.7	3.2	0.8	0.3	0.8	0.1	0.8	0.2	0.5	< 0.1	0.5	< 0.1	3	< 2	< 100	9280
1300N 6900E Orig	4.4	42	< 1	1.0	< 0.1	2.3	8.1	0.8	3.8	1.0	0.3	0.8	0.1	0.9	0.2	0.5	< 0.1	0.6	< 0.1	< 2	< 2	< 100	15100
1300N 7000E Orig																							
1300N 7000E Dup																							
1300N 7400E Orig																							
1300N 7400E Dup																							
1400N 7700E Orig																							
1400N 7700E Dup																							
1500N 6500E Orig																							
1500N 6500E Dup																							
1500N 7500E Orig	6.1	28	2	0.7	< 0.1	2.3	7.9	0.8	3.5	1.0	0.4	1.0	0.2	1.1	0.2	0.7	0.1	0.7	0.1	3	< 2	< 100	12700
1600N 7000E Orig																							
1600N 7000E Dup																							

Analyte Symbol	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Li	Be	Sc	Mn
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	0.5	1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	100	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
1600N 7300E Orig	6.2	99	4	2.7	0.1	3.6	16.4	1.3	5.8	1.4	0.5	1.4	0.2	1.3	0.2	0.7	0.1	0.8	0.1	20	< 2	< 100	34700
1600N 7300E Dup	6.6	102	4	2.9	0.1	4.0	17.8	1.4	6.3	1.5	0.5	1.4	0.2	1.4	0.3	0.8	0.1	0.9	0.1	20	< 2	< 100	36500
1700N 6700E Orig	0.9	9	1	0.2	< 0.1	0.4	1.0	0.1	0.5	0.1	< 0.1	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	24	< 2	< 100	18600
1700N 6700E Dup	1.1	9	2	0.2	0.1	0.5	1.3	0.2	0.7	0.2	0.1	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	20	< 2	< 100	21300
1800N 6500E Orig																							
1800N 6500E Dup																							
1900N 6900E Orig	3.1	50	2	1.3	< 0.1	2.6	9.1	0.8	3.5	0.8	0.4	0.7	0.1	0.6	0.1	0.4	< 0.1	0.4	< 0.1	< 2	< 2	< 100	8380
1900N 6900E Dup	4.1	63	3	1.7	< 0.1	3.6	12.4	1.1	4.5	1.1	0.6	1.0	0.2	0.9	0.2	0.5	< 0.1	0.5	< 0.1	< 2	< 2	< 100	10300
1900N 7500E Orig																							
1900N 7500E Dup																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 0.5	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 2	< 2	< 100	1
Method Blank	< 0.5	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 2	< 2	< 100	< 1
Method Blank	< 0.5	< 1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 2	< 2	< 100	2

Analyte Symbol	Rb	Sr	Cs	Ba	Ru	Pd	Os	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	1	1	0.1	1	1	1	1	1
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
TILL-2 Meas	218	612	11.9	1320				
TILL-2 Cert	143000	144000	12000	540000				
TILL-2 Meas								
TILL-2 Cert								
TILL-2 Meas								
TILL-2 Cert								
TILL-2 Meas								
TILL-2 Cert								
700N 7300E Orig	47	342	0.3	1070	< 1	< 1	< 1	< 1
700N 7300E Dup	47	346	0.3	1170	< 1	< 1	< 1	< 1
700N 7400E Orig								
700N 7400E Dup								
800N 7500E Orig								
800N 7500E Dup								
800N 7600E Orig	31	216	0.1	1010	< 1	< 1	< 1	< 1
800N 7600E Dup	37	255	0.2	1190	< 1	< 1	< 1	< 1
900N 7400E Orig	39	440	0.2	666	< 1	< 1	< 1	< 1
900N 7400E Dup	39	390	0.2	607	< 1	< 1	< 1	< 1
900N 7900E Orig								
900N 7900E Dup								
1000N 7500E Orig								
1000N 7500E Dup								
1100N 7800E Orig								
1100N 7800E Dup								
1100N 7900E Orig	40	361	0.3	1510	< 1	< 1	< 1	< 1
1200N 6900E Orig								
1200N 6900E Dup								
1200N 7500E Orig	48	418	0.1	778	< 1	< 1	< 1	< 1
1200N 7500E Dup	51	435	0.2	783	< 1	< 1	< 1	< 1
1300N 6900E Orig	30	366	0.2	1360	< 1	< 1	< 1	< 1
1300N 7000E Orig								
1300N 7000E Dup								
1300N 7400E Orig								
1300N 7400E Dup								
1400N 7700E Orig								
1400N 7700E Dup								
1500N 6500E Orig								
1500N 6500E Dup								
1500N 7500E Orig	19	341	< 0.1	1160	< 1	< 1	< 1	< 1
1600N 7000E Orig								
1600N 7000E Dup								

Analyte Symbol	Rb	Sr	Cs	Ba	Ru	Pd	Os	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	1	1	0.1	1	1	1	1	1
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
1600N 7300E Orig	26	476	0.3	1680	< 1	< 1	< 1	< 1
1600N 7300E Dup	26	528	0.2	1790	< 1	< 1	< 1	< 1
1700N 6700E Orig	93	788	0.2	919	< 1	< 1	< 1	< 1
1700N 6700E Dup	99	897	0.2	1120	< 1	< 1	< 1	< 1
1800N 6500E Orig								
1800N 6500E Dup								
1900N 6900E Orig	43	285	0.2	1940	< 1	< 1	< 1	< 1
1900N 6900E Dup	51	367	0.2	2660	< 1	< 1	< 1	< 1
1900N 7500E Orig								
1900N 7500E Dup								
Method Blank								
Method Blank								
Method Blank								
Method Blank								
Method Blank								
Method Blank								
Method Blank								
Method Blank								
Method Blank								
Method Blank								
Method Blank								
Method Blank	< 1	< 1	< 0.1	< 1	< 1	< 1	< 1	< 1
Method Blank	< 1	< 1	< 0.1	< 1	< 1	< 1	< 1	< 1
Method Blank	< 1	< 1	< 0.1	< 1	< 1	< 1	< 1	< 1

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-10270**
Report Date: **28-Dec-21**
Date Submitted: **07-Jun-21**
Your Reference: **SADIM**

Renaissance Geosciences
680 Dairy Road
Kamloops B.C. V2B8N5
Canada

ATTN: Leo Lindinger

CERTIFICATE OF ANALYSIS

82 Soil samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
7-Bioleach	Bioleach ICPMS	2021-08-04 22:48:27
SGH	Soil Gas Hydrocarbons	

REPORT **A21-10270**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Zn	Al	Ca	Fe	K	Mg	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	2	0.5	5	1	5	2	0.2	0.5	0.05	1	0.07	0.1	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	0.1
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
SP0001-B	537	172	358	88	65	73	0.4	55.0	0.07	1260	7.44	0.3	394	7.52	123	24.5	18	0.14	135	11.9	5.53	3.77	13.6
SP0002-B	177	151	442	46	12	143	0.3	55.6	0.09	1350	8.74	< 0.1	306	3.99	289	12.7	10	0.47	207	54.4	26.9	17.3	22.8
SP0003-B	134	138	340	83	21	62	0.2	37.3	0.09	1880	10.8	0.1	371	2.86	186	7.7	10	9.96	51.3	9.39	4.05	3.12	18.7
SP0004-B	141	136	436	96	17	107	0.3	46.9	0.07	3630	8.44	0.1	254	2.54	94.0	8.6	30	1.38	80.8	5.20	2.44	2.03	17.7
SP0005-B	741	274	147	149	19	39	0.5	68.4	0.09	3210	14.6	0.2	223	6.22	128	10.2	54	3.07	66.9	7.58	3.60	2.71	25.2
SP0006-B	208	140	1010	158	32	356	0.4	31.1	0.13	18000	23.9	< 0.1	313	3.66	391	37.7	9	0.29	1190	189	101	61.2	37.9
SP0007-B	275	59.5	562	42	56	100	0.2	19.2	0.09	584	2.84	< 0.1	184	18.7	105	6.3	4	0.78	342	18.1	9.69	6.38	11.1
SP0009-B	1990	112	554	73	38	92	0.3	67.4	0.06	1760	5.25	< 0.1	215	9.13	82.5	12.7	11	0.14	148	11.7	5.54	4.03	10.3
SP0010-B	252	113	463	50	46	93	0.5	28.9	0.11	1630	11.3	< 0.1	197	3.14	195	8.3	11	0.29	142	13.5	5.88	4.33	16.9
SP0011-B	265	57.0	627	69	49	115	0.4	40.1	0.32	2040	6.05	0.4	221	4.67	124	11.1	17	0.80	133	13.7	6.65	4.41	12.3
SP0012-B	367	110	312	91	71	99	0.4	38.3	0.06	1910	6.95	0.1	224	3.40	148	13.3	21	0.39	129	12.9	6.33	4.11	16.9
SP0013-B	593	179	681	41	17	144	0.3	60.7	0.11	1830	9.83	< 0.1	152	9.84	120	9.5	5	0.80	100.0	12.2	6.03	4.59	19.2
SP0014-B	511	250	169	76	54	53	0.4	40.9	0.13	1370	5.40	< 0.1	188	8.42	84.9	9.3	13	1.28	71.6	5.67	2.93	2.17	27.6
SP0015-B	391	140	273	51	71	49	0.2	35.5	0.09	1300	4.34	< 0.1	273	24.7	151	6.6	7	0.47	90.0	16.1	7.99	6.22	32.5
SP0016-B	255	116	343	49	109	54	0.5	49.3	0.13	1060	5.01	< 0.1	177	8.14	149	4.2	13	0.56	71.0	10.9	5.25	3.43	14.1
SP0018-B	318	257	127	59	25	48	0.3	32.4	0.26	978	7.67	< 0.1	270	2.22	202	23.1	8	0.80	889	30.4	14.6	10.2	35.2
SP0019-B	208	124	460	52	36	129	0.2	71.0	0.32	952	6.53	< 0.1	188	5.28	153	7.8	11	1.66	90.3	17.2	8.53	4.77	12.3
SP0020-B	640	189	238	155	15	68	0.7	52.6	0.21	3800	11.4	0.1	183	3.66	199	38.0	49	0.97	114	13.9	6.44	4.61	20.8
SP0021-B	176	67.6	674	65	17	118	0.4	31.8	0.11	2290	9.28	< 0.1	198	3.78	178	10.2	12	0.31	113	19.6	8.98	5.83	13.2
SP0022-B	364	25.3	1150	74	57	239	< 0.2	44.8	0.30	475	3.21	< 0.1	309	6.64	80.4	36.3	11	0.33	389	28.2	13.5	9.54	7.5
SP0023-B	770	54.6	615	84	29	132	0.3	37.9	0.21	2220	9.30	< 0.1	466	6.08	182	15.9	13	0.23	102	20.9	9.42	6.48	10.6
SP0024-B	129	107	597	49	8	135	0.3	27.0	0.13	1360	9.03	< 0.1	427	2.85	242	7.1	10	1.28	160	26.7	13.1	8.70	16.4
SP0025-B	113	151	285	29	11	111	0.5	33.5	0.15	748	8.23	< 0.1	373	1.27	182	4.5	5	0.56	162	23.0	11.1	7.00	25.1
SP0026-B	201	105	688	46	13	150	0.2	44.6	0.07	1360	12.5	< 0.1	203	3.88	217	9.3	9	0.58	157	29.8	14.6	10.6	18.6
SP0027-B	176	61.0	677	76	31	130	0.4	83.0	0.15	3100	12.6	< 0.1	225	2.99	257	13.9	26	4.59	75.2	12.9	6.18	4.33	17.6
SP0028-B	213	137	240	58	47	38	< 0.2	40.1	0.06	796	8.22	< 0.1	224	9.61	117	5.5	7	1.54	64.2	7.48	3.32	2.41	28.8
SP0029-B	350	82.4	526	39	48	146	< 0.2	36.8	0.19	1950	5.88	< 0.1	197	1.73	124	5.2	3	0.23	58.1	13.2	5.94	4.10	10.2
SP0030-B	99	124	262	38	23	66	0.3	24.4	0.11	851	8.28	0.1	234	2.46	152	4.2	6	0.74	31.4	10.5	4.90	3.30	24.2
SP0031-B	336	218	220	97	74	57	0.5	73.5	0.20	1800	9.88	< 0.1	240	3.44	253	20.5	24	0.95	120	23.3	11.1	6.96	21.5
SP0032-B	259	68.1	746	53	21	132	0.3	42.4	0.13	4840	11.3	< 0.1	138	2.81	189	6.2	7	0.25	70.8	15.7	6.17	5.81	10.8
SP0033-B	160	75.2	481	90	35	170	0.5	29.8	0.15	2910	8.53	< 0.1	165	2.25	188	17.4	16	0.40	85.6	15.2	7.07	5.29	16.2
SP0034-B	254	72.0	821	73	72	310	0.3	56.7	0.06	1980	8.62	< 0.1	217	3.20	219	17.8	14	2.19	119	25.5	12.4	7.87	18.4
SP0035-B	475	80.5	312	109	46	140	0.4	59.2	0.09	2580	9.12	< 0.1	174	3.20	226	45.6	26	0.10	89.9	20.5	9.89	6.80	14.2
SP0036-B	278	65.1	846	60	53	99	0.9	48.9	0.13	918	3.69	< 0.1	127	5.41	83.0	6.0	12	0.33	77.8	7.60	3.68	2.44	14.8
SP0037-B	136	117	612	48	15	164	0.8	53.8	0.13	2290	9.59	< 0.1	164	2.30	252	3.0	8	1.35	5140	44.4	21.9	14.2	22.2
SP0038-B	123	146	280	58	42	75	0.2	43.3	0.09	1530	7.60	< 0.1	100	1.86	131	5.0	19	0.52	43.7	7.87	3.76	2.83	19.0
SP0039-B	179	109	346	98	54	79	0.2	47.3	0.17	3660	6.05	0.2	114	3.09	107	9.7	16	0.43	51.1	4.59	2.10	1.91	14.1
SP0040-B	1860	46.3	783	68	20	288	< 0.2	20.4	0.13	1550	8.26	< 0.1	151	5.81	96.9	8.7	5	0.23	59.2	26.6	12.1	12.1	9.1
SP0041-B	564	50.5	474	40	33	108	< 0.2	10.8	0.06	1810	5.51	< 0.1	108	3.56	64.3	6.7	7	0.10	34.2	5.22	2.50	2.01	10.2

Analyte Symbol	Gd	Ge	Hf	Hg	Ho	I	In	La	Li	Lu	Mn	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb
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	0.03	0.05	0.04	0.05	0.01	1	0.1	0.01	0.2	0.01	0.1	2	0.2	0.03	0.2	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
SP0001-B	15.6	7.17	7.06	0.91	2.15	89	0.3	51.5	1.2	0.71	32600	8	6.3	57.1	36.1	20.3	< 0.5	13.8	< 0.5	31.7	< 0.01	< 0.05	1.0
SP0002-B	68.4	24.4	7.47	0.82	10.1	136	0.2	190	1.1	3.42	11400	6	2.2	242	5.5	9.9	< 0.5	55.3	< 0.5	16.9	0.02	< 0.05	0.8
SP0003-B	13.5	6.98	8.77	0.35	1.57	57	0.3	67.0	0.8	0.56	19300	7	9.9	56.6	3.9	10.6	< 0.5	14.6	< 0.5	29.1	0.02	0.06	0.6
SP0004-B	7.48	5.64	7.03	0.40	0.92	58	0.2	33.3	2.7	0.32	10100	20	11.4	30.2	7.7	20.5	< 0.5	7.71	< 0.5	28.2	0.02	< 0.05	< 0.2
SP0005-B	10.3	10.7	11.3	0.45	1.38	83	0.3	35.8	1.5	0.49	42700	13	17.3	37.0	20.8	22.4	< 0.5	9.56	< 0.5	25.7	0.02	< 0.05	0.9
SP0006-B	210	50.4	5.43	0.09	36.4	106	0.3	463	10.3	13.1	13700	5	0.7	557	24.6	28.5	< 0.5	119	< 0.5	15.1	0.09	< 0.05	0.7
SP0007-B	20.7	8.79	1.79	0.07	3.43	47	0.2	54.6	3.9	1.46	3770	3	2.5	64.4	5.6	11.4	< 0.5	14.8	< 0.5	16.0	0.02	< 0.05	0.4
SP0009-B	14.8	6.55	4.22	0.88	2.03	96	0.2	40.7	1.2	0.67	42300	7	3.7	50.3	58.3	8.2	< 0.5	11.1	< 0.5	13.9	0.02	< 0.05	1.2
SP0010-B	19.2	6.18	9.33	0.17	2.28	78	0.2	81.0	0.5	0.71	17600	6	4.6	69.5	7.5	10.6	< 0.5	18.4	< 0.5	21.1	0.02	< 0.05	0.3
SP0011-B	17.8	8.90	7.39	0.26	2.35	76	0.2	64.6	1.6	0.88	12500	9	6.9	66.0	10.4	16.4	< 0.5	15.9	< 0.5	15.8	< 0.01	< 0.05	0.8
SP0012-B	16.3	6.12	6.85	0.62	2.28	71	0.2	56.9	3.0	0.78	21100	7	7.2	61.1	18.4	13.7	< 0.5	14.8	< 0.5	13.8	< 0.01	< 0.05	0.7
SP0013-B	16.7	5.97	1.25	0.54	2.28	82	0.2	51.4	0.9	0.80	46600	7	1.3	59.8	12.8	10.1	< 0.5	13.8	< 0.5	23.4	0.02	< 0.05	0.4
SP0014-B	7.88	4.37	5.25	0.80	1.01	61	0.3	29.2	1.5	0.32	16900	10	8.3	31.8	13.7	20.6	< 0.5	7.86	< 0.5	35.1	< 0.01	< 0.05	< 0.2
SP0015-B	21.2	11.2	3.70	0.24	2.93	65	0.1	87.1	0.7	0.91	10300	6	5.5	94.8	7.2	18.9	0.6	23.3	< 0.5	29.5	0.04	< 0.05	0.3
SP0016-B	15.3	6.50	4.22	0.62	1.85	70	0.1	57.8	0.5	0.69	7620	8	5.4	62.1	9.2	13.1	< 0.5	15.8	< 0.5	24.2	0.02	< 0.05	0.6
SP0018-B	36.8	12.8	4.94	0.78	5.31	125	0.2	93.9	1.4	1.66	4250	6	2.7	128	12.8	20.4	< 0.5	29.3	< 0.5	26.5	0.02	< 0.05	1.5
SP0019-B	20.8	8.75	5.11	0.61	3.05	93	0.2	67.1	0.6	1.08	21200	10	3.5	76.4	8.5	17.4	< 0.5	17.9	< 0.5	26.1	0.02	< 0.05	1.9
SP0020-B	18.0	13.6	9.33	1.05	2.46	51	0.4	61.2	3.7	0.80	23800	9	10.7	63.9	18.1	32.1	< 0.5	16.2	< 0.5	32.1	< 0.01	< 0.05	1.1
SP0021-B	24.3	9.42	7.95	0.43	3.41	81	0.1	87.4	1.4	1.10	20400	8	5.0	91.5	11.3	12.1	< 0.5	22.0	< 0.5	13.8	0.02	< 0.05	1.0
SP0022-B	35.3	6.36	2.59	0.62	5.05	148	0.2	35.2	7.4	1.86	8060	10	1.1	54.6	181	13.9	< 0.5	10.8	< 0.5	8.7	< 0.01	< 0.05	22.7
SP0023-B	26.7	10.0	6.53	0.24	3.51	53	0.3	93.6	1.4	1.10	25700	14	5.7	96.6	29.5	18.5	< 0.5	23.8	< 0.5	9.1	0.02	< 0.05	0.8
SP0024-B	36.2	11.7	9.30	0.60	4.70	127	0.1	128	1.0	1.53	16900	9	5.0	139	51.5	8.3	< 0.5	33.7	< 0.5	10.9	< 0.01	< 0.05	0.7
SP0025-B	29.4	10.6	4.15	0.60	3.96	166	0.1	104	< 0.2	1.27	17000	7	2.3	115	4.2	5.8	< 0.5	27.8	< 0.5	31.8	< 0.01	< 0.05	0.5
SP0026-B	41.5	15.4	3.92	0.50	5.46	86	0.1	136	2.4	1.81	20100	5	2.0	153	13.9	15.4	< 0.5	34.4	< 0.5	15.6	< 0.01	< 0.05	0.9
SP0027-B	19.1	7.50	10.0	0.17	2.25	55	0.2	90.9	8.5	0.74	6700	5	11.2	75.8	15.9	36.0	< 0.5	19.7	< 0.5	14.1	0.02	< 0.05	0.4
SP0028-B	10.2	6.91	4.12	0.78	1.25	63	0.1	45.6	0.5	0.43	9670	14	5.3	43.0	7.8	8.3	< 0.5	10.9	< 0.5	27.6	0.02	< 0.05	0.5
SP0029-B	15.6	8.38	3.52	1.04	2.16	70	0.1	64.8	0.9	0.82	26700	6	3.0	62.8	4.9	5.2	< 0.5	15.6	< 0.5	13.0	< 0.01	< 0.05	0.6
SP0030-B	15.1	6.39	4.85	1.10	1.77	115	0.1	68.8	0.2	0.62	29100	10	4.3	64.0	3.4	10.1	< 0.5	17.2	< 0.5	34.3	0.02	< 0.05	0.5
SP0031-B	30.0	11.6	11.7	< 0.05	4.17	116	0.3	91.7	1.3	1.38	25700	7	7.4	112	37.2	14.2	< 0.5	27.0	< 0.5	34.4	< 0.01	< 0.05	0.7
SP0032-B	21.0	9.43	6.43	0.24	2.51	50	0.2	87.4	1.0	0.67	11600	6	5.2	78.9	6.8	8.0	< 0.5	19.7	< 0.5	5.4	< 0.01	< 0.05	0.3
SP0033-B	21.0	9.00	9.45	0.52	2.74	68	0.3	76.3	2.1	0.96	13300	7	7.5	76.4	17.1	18.4	< 0.5	19.0	< 0.5	16.4	< 0.01	< 0.05	0.7
SP0034-B	29.5	9.40	8.47	0.33	4.54	69	0.2	93.3	20.6	1.75	19800	6	3.5	98.6	58.7	13.7	< 0.5	23.8	< 0.5	32.4	0.02	< 0.05	1.9
SP0035-B	28.2	10.7	5.22	0.60	3.65	49	0.3	76.1	2.3	1.17	45300	10	6.1	90.0	23.9	23.5	< 0.5	20.8	< 0.5	8.7	0.02	< 0.05	0.7
SP0036-B	9.70	5.15	5.74	0.59	1.38	62	0.1	38.0	0.3	0.46	15000	7	5.7	37.9	12.3	7.9	< 0.5	9.78	< 0.5	16.5	< 0.01	< 0.05	0.6
SP0037-B	58.2	20.1	10.3	0.33	8.24	84	0.2	179	2.4	2.47	8690	5	5.2	212	5.6	8.8	< 0.5	48.2	< 0.5	27.3	0.02	< 0.05	< 0.2
SP0038-B	11.8	7.41	6.62	< 0.05	1.51	61	0.1	49.9	0.3	0.45	6720	7	7.1	45.8	5.6	8.4	< 0.5	12.4	< 0.5	20.4	< 0.01	< 0.05	< 0.2
SP0039-B	7.51	6.51	5.73	0.26	0.80	33	0.3	32.4	1.4	0.30	11800	9	9.7	27.0	13.1	23.3	< 0.5	7.44	< 0.5	25.6	0.02	< 0.05	< 0.2
SP0040-B	41.2	11.0	3.69	0.17	4.77	73	0.3	70.2	5.8	1.49	23600	13	3.0	93.3	18.2	43.3	< 0.5	20.5	< 0.5	9.4	< 0.01	< 0.05	2.3
SP0041-B	7.33	3.58	4.16	0.62	0.91	54	0.2	33.1	0.7	0.37	24800	10	4.9	29.9	9.0	6.6	< 0.5	7.48	< 0.5	8.4	< 0.01	< 0.05	0.4

Analyte Symbol	Sc	Se	Sm	Sr	Ta	Tb	Te	Th	Tl	Tm	U	V	W	Y	Yb	Zr
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.5	1	0.03	0.1	0.01	0.01	1	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	0.5
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
SP0001-B	54.6	18	13.9	731	0.37	2.15	< 1	6.48	0.4	0.69	16.3	92	1.47	62.8	5.30	220
SP0002-B	221	45	61.9	1090	0.10	9.73	< 1	9.24	0.3	3.64	25.2	127	1.05	347	22.4	286
SP0003-B	38.2	9	11.9	2220	0.39	1.83	< 1	6.68	0.5	0.54	12.3	130	1.53	48.3	3.58	292
SP0004-B	28.8	12	6.44	3900	0.39	0.95	< 1	3.93	0.2	0.35	15.1	94	1.41	28.2	2.31	220
SP0005-B	48.0	5	8.77	406	0.66	1.55	< 1	8.19	0.3	0.50	14.1	105	2.95	41.5	3.34	371
SP0006-B	633	135	173	1790	0.10	32.2	< 1	19.6	< 0.2	13.3	14.4	539	1.18	1320	89.2	150
SP0007-B	37.0	7	17.3	796	0.23	3.12	< 1	6.85	< 0.2	1.38	6.65	124	1.01	119	9.07	50.0
SP0009-B	70.4	25	14.2	1150	0.23	2.28	< 1	4.72	< 0.2	0.80	14.9	53	0.99	66.2	4.91	144
SP0010-B	69.9	29	16.6	902	0.27	2.52	< 1	8.75	0.4	0.78	19.3	110	1.21	71.3	5.11	315
SP0011-B	84.7	12	15.6	1420	0.23	2.50	< 1	4.57	0.3	0.95	16.3	140	1.61	78.3	5.84	264
SP0012-B	103	9	14.9	923	0.27	2.20	< 1	4.83	0.3	0.90	13.1	135	1.29	67.1	5.60	245
SP0013-B	31.3	24	14.4	1810	0.06	2.30	< 1	5.51	< 0.2	0.88	13.2	174	1.83	73.1	6.01	29.9
SP0014-B	14.9	19	7.00	511	0.60	1.16	< 1	10.1	0.3	0.39	12.3	52	1.79	33.0	2.48	155
SP0015-B	28.8	16	21.4	271	0.29	2.91	< 1	5.53	0.4	1.06	12.0	71	1.08	105	6.51	120
SP0016-B	26.9	12	13.1	636	0.21	1.96	< 1	5.94	0.3	0.73	16.0	67	1.40	60.0	4.50	148
SP0018-B	72.1	29	33.8	335	0.15	5.31	< 1	10.6	0.3	1.94	17.9	79	1.40	159	11.9	141
SP0019-B	69.6	19	18.2	1910	0.12	3.01	< 1	9.64	0.3	1.04	20.4	101	1.82	96.5	7.36	177
SP0020-B	51.5	17	15.8	1580	0.27	2.63	< 1	7.20	0.4	0.97	17.5	137	1.51	73.7	< 0.02	358
SP0021-B	88.5	15	21.8	1800	0.15	3.54	< 1	6.65	0.2	1.23	19.9	104	1.36	106	7.79	282
SP0022-B	107	38	26.9	1360	0.08	5.03	< 1	9.26	< 0.2	1.86	4.98	160	1.06	166	12.3	94.7
SP0023-B	95.4	24	24.3	1460	0.21	3.86	< 1	9.31	< 0.2	1.29	25.9	97	1.81	114	8.06	204
SP0024-B	113	19	32.5	2280	0.12	5.00	< 1	11.0	0.3	1.73	22.3	127	1.60	154	11.1	346
SP0025-B	64.4	34	27.8	976	0.04	4.26	< 1	6.40	0.5	1.47	17.6	136	1.41	125	9.01	170
SP0026-B	96.5	16	36.6	1870	0.04	5.61	< 1	6.25	< 0.2	1.92	14.5	160	1.06	182	12.3	129
SP0027-B	87.1	18	16.1	1490	0.23	2.57	< 1	10.7	< 0.2	0.76	15.9	136	1.47	69.2	5.17	315
SP0028-B	24.5	15	9.05	385	0.25	1.33	< 1	7.24	0.5	0.43	13.3	116	1.90	39.2	2.82	149
SP0029-B	56.5	17	14.7	1480	0.08	2.51	< 1	4.62	< 0.2	0.91	11.6	62	0.88	72.0	4.92	115
SP0030-B	38.0	< 1	14.2	488	0.17	1.85	< 1	7.44	1.1	0.75	15.2	82	1.25	62.3	4.46	187
SP0031-B	96.9	12	26.6	1070	0.33	4.20	< 1	7.64	0.4	1.60	18.3	119	1.62	120	9.80	409
SP0032-B	76.6	18	18.5	1340	0.23	3.00	< 1	6.33	< 0.2	0.82	18.9	95	1.21	77.1	5.05	182
SP0033-B	65.1	21	18.7	2710	0.34	2.83	< 1	5.24	< 0.2	1.06	21.4	94	0.95	80.3	6.65	293
SP0034-B	201	11	27.1	2170	0.08	4.50	< 1	7.29	< 0.2	1.80	18.5	210	0.93	133	11.6	279
SP0035-B	114	26	23.7	1130	0.21	3.86	< 1	5.37	< 0.2	1.32	18.7	91	0.91	112	8.35	175
SP0036-B	32.3	15	8.57	1630	0.31	1.38	< 1	6.77	0.3	0.48	11.2	167	1.39	42.6	3.31	156
SP0037-B	132	45	54.7	2270	0.12	8.09	< 1	10.9	0.3	2.84	25.7	144	1.17	269	17.7	373
SP0038-B	40.3	9	10.8	738	0.33	1.54	< 1	6.85	0.3	0.60	17.8	96	1.19	42.3	3.03	222
SP0039-B	18.6	14	5.76	2250	0.27	0.91	< 1	7.70	< 0.2	0.33	8.89	96	1.82	26.6	2.12	160
SP0040-B	135	21	37.7	1370	0.15	5.38	< 1	9.91	< 0.2	1.68	15.4	24	0.67	148	10.2	110
SP0041-B	36.5	7	7.16	739	0.19	1.03	< 1	4.36	< 0.2	0.35	11.3	69	0.73	29.2	2.22	129

Analyte Symbol	Zn	Al	Ca	Fe	K	Mg	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	2	0.5	5	1	5	2	0.2	0.5	0.05	1	0.07	0.1	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	0.1
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
TILL-1 Meas	386			57				128	0.26	967	18.7		740		389	26.8	54	0.39	1090		43.7	30.0	
TILL-1 Cert	98000			48100.00				18000	13	702000	2400.0		6400.0		71000	18000	65000	1000.0	47000		3600.0	1300.0	
TILL-1 Meas	528																						
TILL-1 Cert	98000																						
TILL-2 Meas	332			203				399	0.19	2000	75.0		2670		926	50.1	285	9.18	2560		42.7	21.4	
TILL-2 Cert	130000			38400.00				26000	2	540000	4000.0		12200.0		98000	15000	74000	12000	150000		3700.0	1000.0	
TILL-2 Meas	470																						
TILL-2 Cert	130000																						
SP0004-B Orig	126	136	434	95	17	107	0.3	48.0	0.06	3620	8.03	0.1	304	2.74	93.2	9.0	29	1.59	79.9	5.06	2.39	1.96	17.6
SP0004-B Dup	156	136	438	97	18	107	0.3	45.9	0.07	3640	8.85	0.1	204	2.33	94.7	8.2	31	1.17	81.7	5.34	2.48	2.09	17.8
SP0033-B Orig	173	75.8	480	89	35	171	0.5	29.1	0.17	2880	8.69	< 0.1	171	2.09	186	17.7	14	0.41	85.0	14.8	7.10	5.20	16.8
SP0033-B Dup	146	74.6	482	90	35	169	0.4	30.5	0.13	2930	8.37	< 0.1	159	2.42	190	17.2	17	0.39	86.2	15.6	7.04	5.38	15.6
Method Blank	< 2																						
Method Blank	< 2	< 0.5	< 5	< 1	< 5	< 2	< 0.2	< 0.5	< 0.05	7	< 0.07	0.1	< 5	< 0.05	< 0.02	< 0.1	2	< 0.01	< 0.5	0.04	< 0.01	< 0.01	< 0.1

Analyte Symbol	Gd	Ge	Hf	Hg	Ho	I	In	La	Li	Lu	Mn	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb
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	0.03	0.05	0.04	0.05	0.01	1	0.1	0.01	0.2	0.01	0.1	2	0.2	0.03	0.2	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
TILL-1 Meas			1.70	0.97				563	0.9	5.16	51500	10	2.4	618	32.3	107				27.8			55.0
TILL-1 Cert			13000	90.0				28000	15000	600.0	14200 00	2000	10000	26000	24000	22000				44000			7800.0
TILL-1 Meas																							
TILL-1 Cert																							
TILL-2 Meas			7.95	2.15				492	10.0	4.89	13700	77	12.3	428	53.0	249				147			2.9
TILL-2 Cert			11000	70.0				44000	47000	600.0	780000	14000	20000	36000	32000	31000				143000			800.0
TILL-2 Meas																							
TILL-2 Cert																							
SP0004-B Orig	7.35	4.59	6.66	0.35	0.88	55	0.2	33.2	3.0	0.32	10100	19	11.0	30.3	7.3	20.5	< 0.5	7.67	< 0.5	28.5	0.02	< 0.05	0.4
SP0004-B Dup	7.60	6.68	7.39	0.45	0.97	60	0.3	33.4	2.4	0.32	10100	21	11.9	30.0	8.1	20.4	< 0.5	7.75	< 0.5	27.9	0.02	< 0.05	< 0.2
SP0033-B Orig	20.8	8.48	9.19	0.43	2.66	68	0.3	75.9	2.4	0.99	13300	8	7.3	75.9	15.6	19.4	< 0.5	18.9	< 0.5	16.9	0.02	< 0.05	0.8
SP0033-B Dup	21.1	9.53	9.72	0.61	2.81	69	0.3	76.8	1.7	0.93	13300	7	7.7	77.0	18.6	17.4	< 0.5	19.0	< 0.5	15.8	< 0.01	< 0.05	0.5
Method Blank																							
Method Blank	< 0.03	< 0.05	< 0.04	< 0.05	< 0.01	< 1	< 0.1	< 0.01	< 0.2	0.02	< 0.1	< 2	< 0.2	< 0.03	0.2	< 0.1	< 0.5	< 0.01	< 0.5	< 0.1	< 0.01	< 0.05	< 0.2

Analyte Symbol	Sc	Se	Sm	Sr	Ta	Tb	Te	Th	Tl	Tm	U	V	W	Y	Yb	Zr
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.5	1	0.03	0.1	0.01	0.01	1	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	0.5
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
TILL-1 Meas	124		140	232	0.12	18.5		50.9			54.4	123		576	36.9	26.4
TILL-1 Cert	13000		5900.0	291000	700.0	1100.0		5600.0			2200.0	99000		38000	3900.0	502000
TILL-1 Meas																
TILL-1 Cert																
TILL-2 Meas	112		99.7	344	0.83	17.0		169			163	173	39.8	440	36.0	182
TILL-2 Cert	12000		7400.0	144000	1900.0	1200.0		18400.0			5700.0	77000	5000	40000	3700.0	390000
TILL-2 Meas																
TILL-2 Cert																
SP0004-B Orig	29.2	4	6.23	3900	0.39	0.95	< 1	3.71	0.3	0.34	14.8	93	1.34	28.2	2.22	215
SP0004-B Dup	28.5	21	6.65	3910	0.39	0.95	< 1	4.14	0.2	0.35	15.4	96	1.47	28.1	2.41	225
SP0033-B Orig	69.1	28	18.1	2730	0.33	2.78	< 1	5.12	< 0.2	1.06	21.5	92	0.99	79.6	6.45	293
SP0033-B Dup	61.1	14	19.3	2690	0.35	2.89	< 1	5.36	< 0.2	1.06	21.4	95	0.91	81.0	6.85	294
Method Blank																
Method Blank	< 0.5	4	< 0.03	< 0.1	< 0.01	< 0.01	< 1	0.09	< 0.2	< 0.01	< 0.01	< 1	0.07	< 0.02	< 0.02	< 0.5

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-12453**
Report Date: **28-Dec-21**
Date Submitted: **30-Jun-21**
Your Reference: **SADIM**

Renaissance Geosciences
680 Dairy Road
Kamloops B.C. V2B8N5
Canada

ATTN: Leo Lindinger

CERTIFICATE OF ANALYSIS

245 Soil samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
7-Bioleach	Bioleach ICPMS	2021-12-22 11:00:02
SGH	Soil Gas Hydrocarbons	

REPORT **A21-12453**

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Notes:

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

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Analyte Symbol	Al	Ca	Fe	K	Mg	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga	Gd
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppb	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	0.2	0.5	0.05	1	0.07	0.1	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	0.1	0.03
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
SP0042 SA	139	682	162	62	168	0.3	39.4	0.71	2950	10.4	< 0.1	328	6.73	166	27.7	57	0.27	122	11.5	5.15	3.77	21.0	15.0
SP0043 S	316	340	207	41	78	0.6	85.9	0.33	2840	14.6	0.5	385	4.68	301	27.4	84	1.06	151	19.6	9.67	6.46	37.9	26.7
SP0044 S	215	466	173	26	77	0.6	78.3	0.24	2610	13.3	0.3	259	8.34	248	17.4	78	1.51	143	13.9	6.68	4.71	35.1	19.3
SP0045 S	205	654	192	48	174	0.4	49.3	0.80	2690	13.3	0.2	268	8.30	326	20.2	75	1.15	104	20.5	10.2	6.85	41.0	29.9
SP0046 S	188	729	220	11	169	0.5	81.3	0.15	6420	19.7	0.2	236	5.21	861	53.0	150	0.76	287	46.7	21.4	16.2	52.1	73.1
SP0047 S	259	97	86	73	34	0.5	50.6	0.22	797	11.3	< 0.1	443	4.46	272	18.0	49	0.69	174	22.4	10.7	6.75	35.6	30.1
SP0048 S	229	861	313	13	163	0.6	100	0.22	3900	19.7	0.3	458	9.93	786	42.5	279	0.35	634	74.8	37.8	25.0	54.1	102
SP0049 S	52.1	1670	67	160	172	< 0.2	57.5	0.19	5300	10.6	0.1	370	12.7	1920	35.9	7	3.10	931	298	148	110	73.9	378
SP0050 SA	222	269	66	67	48	0.2	46.7	0.07	1470	7.27	0.1	225	48.1	135	4.1	13	1.73	93.6	8.79	3.47	2.69	30.8	12.4
SP0051 S	290	171	97	58	33	0.4	134	0.07	653	9.80	< 0.1	246	51.5	205	7.0	22	2.96	135	10.9	5.01	3.82	34.2	16.8
SP0052 S	332	1090	326	20	214	0.9	779	0.45	6620	36.9	0.9	386	63.2	471	39.1	51	17.5	274	33.8	16.7	12.3	85.9	45.6
SP0053 S	212	444	168	52	79	0.5	129	0.11	3900	14.9	0.4	301	29.7	414	12.3	34	2.11	269	25.1	11.3	8.36	48.7	34.6
SP0054 S	271	419	279	52	119	0.8	277	0.17	3680	23.4	0.5	275	62.9	641	28.3	77	1.96	463	62.5	31.4	21.0	60.3	83.5
SP0055 S	154	767	110	81	143	0.4	119	0.21	2360	10.2	< 0.1	274	91.2	206	7.2	21	1.04	235	18.8	8.75	6.37	18.7	24.5
SP0056 S	210	971	195	13	137	0.6	148	0.21	2510	23.0	0.2	277	119	949	21.9	33	1.44	933	92.7	47.4	32.5	48.5	131
SP0057 S	29.8	1790	29	11	532	0.4	127	0.21	2160	18.4	< 0.1	832	45.7	320	5.0	14	0.06	3820	81.4	43.1	28.6	22.2	97.9
SP0058 S	241	624	125	71	88	0.4	203	0.21	2580	9.68	0.1	252	28.5	263	8.0	21	1.69	274	22.4	11.6	7.37	41.8	31.5
SP0059 S	253	181	89	37	24	0.2	98.4	0.07	1130	10.6	< 0.1	225	10.1	218	6.1	19	1.04	111	13.5	6.04	4.49	36.8	18.8
SP0060 SA	91.1	908	142	41	124	0.3	120	0.15	3260	10.5	0.2	218	30.5	219	16.3	26	0.73	169	14.5	6.56	4.51	25.7	19.0
SP0061 S	199	163	89	40	25	0.3	100.0	0.07	1710	7.42	0.9	176	10.8	113	4.4	16	1.61	86.9	6.26	3.10	2.92	47.0	9.74
SP0062 S	87.0	768	59	27	112	0.5	55.4	0.07	2970	12.3	0.3	182	10.7	326	8.2	16	0.29	132	21.3	9.14	6.50	21.9	28.4
SP0063 S	196	224	41	47	31	0.3	50.2	0.11	1020	13.5	0.1	300	11.9	220	2.9	8	0.73	222	12.5	5.46	4.65	38.5	19.2
SP0064 S	115	650	101	39	131	0.4	52.7	0.11	2260	9.53	0.2	305	20.0	134	6.9	21	0.94	174	10.2	4.88	3.46	24.3	13.1
SP0065 S	186	949	198	36	116	0.6	98.0	0.20	6640	23.2	0.6	363	9.81	1110	26.1	43	1.04	1020	67.5	30.4	24.9	77.1	97.5
SP0066 S	110	596	97	32	71	0.6	57.3	0.11	5290	14.5	0.2	258	10.7	205	11.0	19	0.61	125	11.2	5.18	4.11	25.9	16.5
SP0067 S	155	803	63	26	95	0.4	52.5	0.09	2890	12.0	0.1	233	9.08	296	5.0	9	0.59	116	22.0	9.81	7.27	25.2	31.2
SP0068 S	108	554	81	127	79	0.3	48.9	0.09	3790	8.14	0.2	193	12.3	258	4.6	13	0.78	468	19.1	9.09	6.63	24.0	26.0
SP0069 S	196	285	80	94	54	0.2	44.5	0.15	2100	8.78	< 0.1	191	9.93	236	5.1	18	0.49	122	9.55	3.96	3.31	23.1	15.2
SP0070 SA	135	1510	114	63	185	0.3	105	0.26	4840	29.4	0.1	320	7.14	1140	20.2	20	3.72	147	181	85.2	84.6	80.6	244
SP0071 S	89.5	668	52	39	183	0.4	55.7	0.09	2030	18.0	0.1	234	15.7	718	28.2	15	0.37	2310	131	63.2	45.2	47.6	171
SP0072 S	109	874	92	46	265	0.2	64.9	0.07	3100	22.9	0.3	175	12.6	640	14.1	15	0.82	370	82.2	40.3	31.0	37.6	109
SP0073 S	83.0	1290	104	133	223	0.5	81.8	0.22	2620	11.5	0.3	293	21.1	430	22.5	31	1.10	535	78.6	39.8	27.9	31.1	104
SP0074 S	267	346	143	43	41	0.4	89.3	0.13	3520	11.9	0.3	193	23.5	197	12.7	55	1.77	207	10.5	4.79	3.93	38.4	15.6
SP0075 S	214	240	76	43	27	0.3	84.1	0.07	1020	10.3	0.1	245	6.94	172	3.9	17	1.22	132	11.8	5.39	4.17	38.8	17.1
SP0076 S	112	740	110	56	167	0.4	44.1	0.11	5440	11.5	0.2	186	10.9	423	14.9	66	2.49	179	28.5	13.2	9.82	29.6	39.5
SP0077 S	52.7	1100	84	48	209	0.3	50.6	0.11	4610	12.0	0.1	226	3.89	445	8.7	12	0.77	169	65.8	28.6	22.9	24.0	82.1
SP0078 S	240	517	154	37	190	0.8	97.1	0.11	8290	21.5	0.4	167	8.87	705	21.8	52	1.98	147	17.0	8.05	6.11	53.1	30.7
SP0079 S	68.7	742	111	74	175	0.4	58.7	0.17	5230	12.3	0.2	136	8.16	319	10.1	47	0.57	110	17.8	8.07	6.67	21.4	26.2
SP0080 SA	385	69	121	25	14	0.5	108	0.11	4370	13.5	0.9	236	10.6	155	11.6	34	1.69	131	9.24	4.41	3.57	42.9	13.3
SP0081 S	157	739	93	48	115	0.4	70.3	0.07	5060	14.9	0.5	154	2.84	373	10.9	14	1.94	733	21.9	9.84	8.74	38.0	31.0
SP0082 S	131	665	139	42	127	0.8	65.4	0.22	3580	23.8	0.3	148	7.17	817	37.1	39	0.96	160	24.2	10.1	8.34	35.5	41.5
SP0083 S	76.8	1090	156	25	161	0.5	59.0	0.09	7180	16.5	0.3	199	5.40	788	23.0	32	0.85	228	52.0	22.9	18.2	36.1	72.4
SP0084 S	87.1	1040	109	44	340	0.6	84.4	0.07	4820	9.82	0.3	189	9.40	429	15.3	27	0.96	158	28.3	12.2	9.12	29.6	36.6
SP0085 S	394	265	239	25	77	0.8	108	0.17	4160	21.3	1.0	455	5.65	584	38.4	71	5.09	127	17.0	7.34	5.32	65.5	28.8
SP0086 S	173	323	63	38	42	0.4	42.4	< 0.05	3120	12.8	0.9	312	6.60	392	4.4	19	0.49	78.4	22.8	9.46	7.79	26.5	34.8
SP0087 S	212	200	45	51	22	0.2	52.7	0.11	1090	11.9	0.6	275	3.01	125	3.7	15	1.24	114	9.22	4.35	2.93	35.3	12.5
SP0088 S	160	622	130	37	139	0.4	72.4	0.07	2810	11.8	0.5	214	6.77	260	16.4	47	1.80	136	16.3	6.95	5.08	34.7	21.1
SP0089 S	240	215	142	52	36	0.5	74.8	0.07	2330	12.4	0.4	185	6.88	179	12.2	34	0.73	121	12.3	6.06	4.57	32.1	17.8
SP0090 SA	14.1	933	31	47	1850	0.3	75.0	0.15	3430	6.91	0.3	2180	6.27	92.5	6.5	14	0.10	1470	56.6	36.1	12.6	8.3	55.0
SP0091 S	145	777	115	22	111	0.5	61.8	0.06	7100	16.2	0.1	212	8.80	582	14.3	39	1.73	159	29.5	13.2	10.2	38.0	42.8

Analyte Symbol	Al	Ca	Fe	K	Mg	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga	Gd
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppb	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	0.2	0.5	0.05	1	0.07	0.1	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	0.1	0.03
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
SP0092 S	134	616	103	76	104	0.5	96.2	0.11	4780	10.8	0.2	178	3.34	238	8.5	40	1.24	349	49.7	25.7	18.3	32.9	62.4
SP0093 S	135	1150	118	45	242	0.5	99.7	0.09	4410	10.7	0.2	240	8.02	359	18.4	38	1.55	250	34.8	17.0	11.0	33.1	46.0
SP0094 S	159	349	104	41	53	0.4	77.7	< 0.05	4300	9.46	0.2	203	4.36	114	12.1	20	0.59	42.9	5.35	2.54	1.98	20.3	7.94
SP0095 S	78.6	960	60	24	171	0.4	42.0	0.07	6130	11.7	0.9	154	6.75	523	14.5	17	1.04	100	30.1	12.8	10.3	25.0	42.5
SP0096 S	107	747	53	92	103	< 0.2	57.9	0.06	1400	4.25	0.8	184	4.48	247	4.1	10	0.94	101	20.8	10.7	5.91	27.1	28.3
SP0097 S	86.7	769	89	52	258	0.5	61.1	< 0.05	4970	10.1	0.4	197	4.29	223	15.8	24	1.28	101	13.3	6.57	4.67	17.2	19.5
SP0098 S	19.8	1460	27	35	1120	0.7	118	0.24	4270	5.75	0.5	1630	5.00	83.4	7.9	32	0.73	1470	16.7	10.2	5.32	7.0	17.4
SP0099 S	328	584	209	33	102	0.9	99.5	0.18	4930	25.0	0.4	258	4.66	495	22.6	61	5.09	202	37.5	16.5	12.9	92.1	52.6
SP0100 SA	133	1300	128	19	92	0.5	291	0.19	3650	17.6	0.3	272	50.4	322	22.1	82	5.89	3100	139	79.3	47.0	49.3	157
SP0101 S	281	378	208	38	69	0.7	108	0.06	4700	17.7	0.5	197	5.11	389	17.8	60	4.95	143	20.8	9.58	6.53	47.0	29.2
SP0102 S	141	711	96	24	142	0.4	55.6	0.06	12100	15.6	0.4	195	8.39	667	12.8	29	1.71	129	28.1	12.7	11.2	41.9	45.0
SP0103 S	104	933	96	56	177	0.7	119	0.15	6900	22.0	0.1	239	20.0	376	14.4	47	2.21	1390	152	81.4	52.0	41.8	179
SP0104 S	321	109	173	42	37	0.4	116	< 0.05	2040	9.33	1.3	279	12.1	136	46.1	62	1.96	106	7.34	3.71	2.50	39.9	9.86
SP0105 S	212	415	105	133	77	0.5	98.4	< 0.05	3030	9.44	1.0	238	12.4	170	7.0	26	2.00	110	12.1	5.75	3.91	32.1	16.0
SP0106 S	187	480	69	33	54	0.4	56.1	< 0.05	1010	10.0	0.5	203	18.0	139	4.1	13	1.46	131	12.6	5.85	4.64	34.8	17.9
SP0107 S	72.5	741	86	70	123	0.3	150	0.09	2780	14.9	0.3	353	16.6	663	11.7	42	1.22	425	107	50.2	33.7	42.7	132
SP0108 S	157	355	59	65	44	0.5	181	< 0.05	1040	5.79	0.3	268	5.32	58.0	2.9	7	0.88	71.8	4.38	2.07	1.66	25.1	6.16
SP0109 S	148	450	209	22	72	0.6	119	0.19	3460	22.6	0.5	209	7.83	839	37.8	76	3.93	225	27.7	12.0	7.59	40.7	40.9
SP0110 SB	200	149	57	52	20	0.5	38.1	< 0.05	1010	11.1	0.1	288	3.70	155	3.4	10	0.79	47.8	7.40	3.46	3.05	47.0	12.3
SP0112 S	171	470	87	85	56	0.5	56.0	0.11	2480	8.97	0.2	181	5.93	243	3.8	14	1.81	48.5	13.3	5.93	5.17	28.4	20.0
SP0113 S	149	798	151	36	134	0.6	109	0.15	5750	20.4	0.3	205	15.6	589	11.1	46	2.35	467	69.8	34.0	25.1	45.1	91.2
SP0114 S	99.7	493	95	43	78	0.6	49.9	0.33	5960	12.0	0.2	138	5.69	381	8.7	24	2.15	60.7	16.4	7.23	6.21	23.4	25.8
SP0115 S	157	499	118	29	56	0.5	88.9	< 0.05	5870	15.6	1.2	167	5.83	347	7.9	30	1.42	81.8	15.9	7.30	6.03	25.9	24.1
SP0116 S	79.2	780	64	36	99	0.5	54.5	< 0.05	6270	11.3	0.6	203	4.61	471	6.5	17	1.45	61.2	29.3	12.6	12.8	22.3	44.4
SP0117 S	109	1870	94	12	130	0.4	99.3	0.15	4800	33.1	0.6	370	8.53	1070	10.6	13	7.68	184	205	102	86.0	60.7	268
SP0118 S	86.6	1200	88	26	114	0.5	103	0.13	7220	48.9	0.3	305	7.77	786	15.3	13	2.51	217	269	127	109	60.8	338
SP0119 S	44.0	1100	62	76	118	0.4	73.4	0.09	4710	10.7	0.2	254	9.85	279	5.4	13	0.65	98.7	24.4	10.4	9.74	17.4	34.9
SP0120 SB	193	341	88	56	47	0.8	34.9	0.09	5370	12.8	0.2	209	5.40	238	6.6	21	1.00	50.1	13.6	6.39	5.31	39.2	21.0
SP0120 SA	199	324	97	58	47	0.6	34.8	0.13	5550	13.3	0.3	195	6.08	208	6.7	25	1.45	47.4	15.0	7.05	5.70	38.6	21.7
SP0122 S	47.1	1480	41	12	531	0.5	43.6	0.09	8320	13.1	0.3	267	15.5	338	7.4	12	0.65	366	41.3	20.0	14.8	17.5	56.1
SP0123 S	131	1480	115	22	116	0.5	216	0.11	5230	24.2	< 0.1	251	12.2	313	27.1	65	6.96	7810	194	103	69.0	55.8	206
SP0124 S	171	553	199	44	129	0.6	86.1	0.13	5500	16.4	1.3	196	4.14	387	25.8	71	1.06	110	17.3	7.63	5.66	35.1	24.5
SP0125 S	153	781	59	96	124	0.3	58.3	0.06	6520	11.6	0.7	283	4.29	418	10.5	9	0.79	282	47.6	22.8	17.4	26.8	63.7
SP0126 S	189	706	133	48	118	0.4	102	0.11	4910	14.5	0.7	193	10.4	206	9.0	21	1.04	81.9	9.84	5.15	3.72	30.6	14.0
SP0127 S	237	386	39	68	68	0.3	112	< 0.05	932	8.77	0.3	251	4.63	200	4.0	7	1.04	614	20.0	9.95	7.15	36.1	30.2
SP0128 S	63.4	776	80	57	124	< 0.2	39.7	0.09	10200	11.0	0.3	135	5.49	191	9.4	18	0.59	57.3	7.52	3.29	3.55	11.1	11.6
SP0129 S	73.7	572	111	43	86	0.6	38.8	0.30	5400	7.21	0.6	220	2.49	120	7.0	19	0.39	82.5	8.95	4.36	3.38	14.5	12.7
SP0130 SB	206	1030	183	39	154	0.4	151	0.22	5080	54.0	1.8	248	6.12	956	23.6	26	2.43	221	133	60.2	51.3	88.6	171
SP0130 SA	168	911	139	36	141	0.5	115	0.17	4430	45.7	1.1	273	4.90	809	18.7	22	2.22	175	107	47.3	40.7	77.5	136
SP0132 S	76.1	1360	130	57	259	0.4	109	0.35	4560	11.4	0.7	263	1.92	285	18.1	31	1.52	143	23.2	11.5	7.60	25.5	30.8
SP0133 S	185	1140	35	9	102	< 0.2	109	0.88	1090	30.5	0.4	249	2.77	804	5.9	< 2	0.37	86.9	146	67.5	58.2	49.9	196
SP0134 S	104	605	106	67	108	0.5	38.0	0.28	4750	8.66	0.5	200	7.87	235	7.9	26	0.80	80.1	12.7	5.59	4.54	23.8	17.4
SP0135 S	135	1010	215	13	149	0.6	104	1.10	5990	28.2	0.7	246	2.78	1060	26.7	40	1.77	144	115	50.6	41.3	63.5	145
SP0136 S	70.5	956	84	31	122	0.5	40.4	0.13	5280	14.0	0.3	178	4.19	287	7.5	22	0.64	121	27.8	12.4	10.6	27.3	39.1
SP0137 S	85.2	853	94	47	194	0.5	48.4	0.11	6180	11.3	0.2	209	4.52	162	11.8	25	0.35	86.1	10.6	4.57	4.07	19.7	14.7
SP0138 S	113	1170	172	43	185	0.5	127	0.17	5870	19.2	0.3	202	5.30	1070	37.5	35	1.85	687	107	50.8	37.1	46.9	139
SP0139 S	89.2	1490	49	53	344	0.4	87.7	0.57	3150	15.3	1.2	301	4.57	319	10.8	9	0.69	160	68.6	33.1	23.4	30.3	87.1
SP0140 SB	94.2	1050	105	57	222	0.4	77.6	0.24	3390	8.79	0.9	346	4.81	380	16.3	22	0.74	168	30.9	14.0	10.0	26.8	40.9
SP0140 SA	79.3	965	92	77	208	0.4	69.5	0.32	3740	7.64	0.6	260	4.27	349	14.8	21	0.58	159	29.7	13.7	9.94	23.6	39.0
SP0142 S	217	209	31	23	27	0.5	50.4	0.24	699	8.57	0.3	298	2.66	132	2.8	5	1.10	59.5	12.2	5.57	4.10	32.4	16.0

Analyte Symbol	Al	Ca	Fe	K	Mg	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga	Gd
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppb	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	0.2	0.5	0.05	1	0.07	0.1	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	0.1	0.03
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
SP0143 S	223	600	44	103	125	0.2	89.0	0.90	1460	11.7	0.3	387	3.83	414	6.4	7	0.97	98.9	53.5	24.5	18.8	37.1	72.6
SP0144 S	59.1	1370	46	13	499	0.3	59.6	0.11	2170	14.0	< 0.1	240	6.62	324	10.9	10	1.85	625	112	60.6	37.0	21.9	129
SP0145 S	166	636	37	44	86	0.3	63.1	0.09	715	7.16	< 0.1	224	4.65	152	5.2	7	1.16	142	16.7	8.36	5.67	25.6	22.9
SP0146 S	38.4	1360	48	10	749	0.3	54.2	0.28	1880	14.2	< 0.1	304	6.66	226	8.4	16	0.07	374	48.0	24.2	14.9	16.1	60.3
SP0147 S	119	1000	136	50	205	0.6	86.3	0.13	3530	14.6	0.2	184	5.50	549	32.1	32	0.71	227	53.5	24.0	18.7	30.2	69.0
SP0148 S	221	268	56	46	59	0.4	25.7	0.15	2810	6.00	1.2	246	4.32	156	6.2	6	0.52	52.1	14.1	6.81	5.95	35.0	23.0
SP0149 S	115	1280	74	55	279	0.5	73.0	0.09	7780	19.7	0.8	201	14.5	976	41.1	17	1.31	451	86.5	36.9	31.7	46.9	121
SP0150 SB	117	1630	78	140	376	0.6	112	0.24	5860	15.8	0.6	298	6.50	436	20.7	15	0.93	325	76.8	36.7	25.8	35.0	91.1
SP0150 SA	96.4	1560	65	134	380	0.5	104	0.17	5550	15.2	0.3	455	5.26	372	16.9	14	0.71	337	81.5	37.9	27.8	30.6	94.0
SP0152 S	77.4	1020	47	43	251	0.4	64.7	0.06	3130	12.8	0.1	249	4.59	386	13.5	10	1.39	85.9	27.8	12.8	8.87	17.4	36.1
SP0153 S	192	1470	45	46	237	0.6	82.5	0.13	3780	11.7	0.1	339	3.31	619	15.9	6	1.52	313	139	69.1	40.4	40.9	172
SP0154 S	91.2	1140	83	28	178	0.6	71.3	0.91	9150	12.7	0.2	202	5.76	535	14.3	28	0.98	99.6	40.1	18.5	15.5	34.1	59.1
SP0155 S	130	1260	93	76	371	1.7	65.1	0.19	8770	16.7	< 0.1	225	5.43	574	23.9	58	1.01	136	88.5	42.1	28.8	37.0	111
SP0156 S	101	1420	46	18	256	0.6	97.1	0.13	7590	12.4	0.1	207	4.26	510	12.6	11	0.52	205	67.3	29.9	22.1	31.0	86.6
SP0157 S	126	1330	60	91	341	0.6	105	0.09	8340	8.77	< 0.1	295	3.44	308	11.5	19	1.56	205	75.1	36.7	23.1	33.4	90.3
SP0158 S	183	1450	117	20	295	0.8	89.3	0.28	7190	26.2	1.1	286	7.54	1010	38.6	34	2.91	393	144	69.7	46.3	59.0	179
SP0159 S	106	1290	80	30	304	0.7	72.3	0.24	3910	15.8	0.4	235	3.84	599	17.3	21	1.45	139	53.4	24.0	16.3	29.4	69.6
SP0160 SB	329	1380	266	27	684	0.5	68.9	0.22	10600	27.4	1.3	279	3.88	527	172	164	0.84	510	187	104	49.6	91.3	211
SP0160 SA	311	1560	233	20	732	0.6	67.0	0.19	9260	26.1	0.2	288	3.13	477	138	136	1.01	458	210	117	56.2	81.0	236
SP0162 S	224	1370	63	16	267	0.6	140	0.09	2420	19.0	0.2	480	3.09	530	11.6	7	4.13	107	77.7	37.0	25.0	46.9	101
SP0163 S	194	777	32	12	109	0.5	44.0	0.09	1350	4.06	0.1	378	2.41	236	4.0	4	1.09	96.9	29.4	14.6	10.4	24.1	39.6
SP0164 S	153	774	25	19	84	0.4	36.3	0.22	1210	6.44	< 0.1	286	2.70	201	3.7	< 2	1.25	123	26.7	12.1	9.53	26.1	36.6
SP0165 S	75.5	1050	49	49	244	0.4	50.2	0.15	3850	14.5	0.1	233	4.45	302	9.9	5	0.57	118	33.6	15.9	10.9	16.1	41.8
SP0166 S	222	1510	86	34	659	0.6	117	0.30	3660	36.8	< 0.1	373	3.49	416	38.6	37	15.0	344	241	130	73.9	60.1	268
SP0167 S	80.6	790	90	26	182	0.3	35.5	0.07	2470	17.4	1.5	197	5.28	692	22.8	11	0.49	158	33.2	15.8	11.9	38.2	47.5
SP0168 S	96.8	614	112	30	99	0.3	51.0	0.09	3870	8.93	0.9	157	3.24	173	10.1	24	2.87	100	11.9	5.85	4.30	28.4	16.5
SP0169 S	221	236	81	35	27	0.5	65.1	0.22	1890	9.90	0.5	194	10.4	230	3.8	23	0.77	89.6	10.3	4.74	3.39	31.9	16.2
SP0170 SB	141	1070	82	15	169	0.9	72.3	0.24	6490	16.1	0.6	207	4.24	559	13.6	18	1.75	115	40.5	17.4	14.1	51.8	55.4
SP0170 SB	108	1000	67	17	161	0.5	56.0	0.17	6090	11.5	0.4	210	5.02	441	9.5	14	1.41	94.3	27.2	12.5	9.97	38.1	39.7
SP0172 S	40.2	2030	21	11	65	0.4	219	0.54	1290	13.3	1.4	167	4.19	249	4.9	3	0.15	945	67.4	38.8	26.8	26.3	80.5
SP0173 S	229	1350	154	32	243	1.0	118	0.26	8250	30.9	2.7	368	8.80	1470	27.4	32	1.12	248	135	62.4	47.8	105	180
SP0174 S	197	1290	164	56	279	0.8	119	0.21	2900	60.7	1.3	245	7.45	1890	49.4	23	4.61	1650	317	152	109	83.5	389
SP0175 S	493	718	227	52	142	0.7	146	0.28	8690	24.9	0.9	208	13.2	1030	32.6	76	3.64	259	54.9	25.2	17.6	100	78.3
SP0176 S	242	909	200	42	182	0.6	96.4	0.24	5440	17.0	0.9	143	9.17	445	66.1	138	3.26	280	31.9	15.8	10.0	67.5	41.3
SP0177 S	191	374	100	51	50	0.4	50.9	0.07	1510	14.4	0.5	159	4.60	248	6.3	22	0.60	95.7	18.0	8.84	6.66	49.3	27.8
SP0179 S	35.9	2340	35	16	255	0.3	248	0.88	4870	11.6	0.7	1780	8.10	84.9	7.0	43	0.80	2720	26.0	15.4	7.94	10.7	27.1
SP0180 SA	73.0	861	127	45	107	0.7	77.8	0.41	3590	13.0	0.3	126	5.79	481	11.3	33	1.28	115	24.8	10.6	8.79	29.8	38.1
SP0181 S	135	375	165	53	86	0.5	66.1	0.06	2680	13.4	0.6	188	2.82	119	30.7	72	4.59	128	7.65	3.86	2.74	29.8	10.4
SP0182 S	230	363	135	50	67	0.4	72.6	0.15	2540	14.9	0.3	184	4.90	280	17.1	68	0.95	193	24.8	11.4	7.94	37.7	31.9
SP0183 S	177	481	229	38	89	0.6	79.5	0.15	4490	15.5	1.8	189	3.27	329	51.1	97	1.49	143	17.0	7.72	6.08	36.4	24.3
SP0184 S	247	487	225	31	114	0.7	83.8	0.15	3540	18.0	1.0	2960	4.94	345	30.4	109	3.14	257	38.0	19.0	13.1	51.9	51.5
SP0185 S	243	314	125	27	56	0.5	64.9	0.07	1760	13.1	0.6	328	4.36	226	9.4	55	1.44	176	21.0	11.0	6.85	30.9	29.2
SP0186 S	197	484	136	61	85	0.4	54.7	0.07	1620	10.9	0.5	268	3.55	269	12.7	51	0.28	154	26.7	13.2	8.34	29.6	37.0
SP0187 S	125	436	67	29	72	< 0.2	19.6	< 0.05	2720	11.2	0.2	180	4.99	211	7.3	15	0.13	110	13.3	6.22	4.75	24.2	18.9
SP0188 S	190	904	176	24	134	0.7	21.5	< 0.05	9460	12.0	0.5	254	6.44	271	15.9	16	0.57	228	44.8	20.3	18.5	45.0	63.6
SP0189 S	175	759	195	65	122	0.7	35.0	0.13	11300	14.4	0.3	260	6.32	496	22.1	25	0.54	108	70.7	34.0	26.1	40.3	95.7
SP0190 SA	131	564	126	27	74	0.4	35.8	0.13	4750	9.64	0.2	281	2.91	187	13.1	38	0.56	105	13.5	6.23	4.91	30.0	18.4
SP0191 S	261	367	186	30	66	0.6	77.5	0.13	3180	16.6	0.4	207	3.61	199	23.0	83	1.33	155	13.4	6.60	4.88	48.9	18.6
SP0192 S	118	596	135	53	112	0.4	61.2	0.07	3120	10.6	1.5	117	3.97	217	20.5	63	0.54	147	17.2	7.98	6.29	25.0	23.4
SP0193 S	277	323	194	49	72	0.5	75.8	0.11	2080	13.6	0.9	203	5.19	276	25.7	76	1.51	156	15.9	7.97	5.55	42.9	23.0

Analyte Symbol	Al	Ca	Fe	K	Mg	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga	Gd
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppb	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	0.2	0.5	0.05	1	0.07	0.1	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	0.1	0.03
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
SP0194 S	344	851	468	37	302	0.9	167	0.19	11700	35.9	1.1	276	7.64	1040	120	349	1.44	1150	96.6	49.2	32.7	85.3	134
SP0195 S	362	166	222	29	33	0.9	115	0.17	2750	21.1	0.5	272	3.85	357	26.5	107	0.75	237	26.2	12.5	8.10	54.9	33.2
SP0196 S	172	1300	201	23	271	1.9	147	0.32	5250	21.9	0.8	268	8.10	1330	45.6	192	0.59	1460	125	64.9	40.5	80.6	176
SP0197 S	262	305	139	22	39	1.0	86.6	0.17	2040	23.6	0.3	428	3.54	448	33.7	58	0.32	375	33.3	15.5	10.9	41.8	47.3
SP0198 S	187	288	68	39	41	0.5	58.1	0.07	1280	12.9	0.1	286	2.73	213	5.8	26	0.37	121	19.0	9.06	5.76	34.7	25.4
SP0199 S	110	943	134	9	431	0.7	80.3	0.24	4090	21.7	0.2	281	4.48	455	22.7	107	2.07	891	111	57.8	36.7	45.8	146
SP0200 SA	213	295	155	109	61	0.4	79.2	0.06	2260	12.1	0.2	165	3.62	203	18.3	61	1.09	119	11.5	5.17	4.19	35.5	16.4
SP0201 S	245	170	71	94	54	0.5	55.8	0.13	1210	11.3	< 0.1	248	3.88	235	14.1	39	0.46	156	18.8	9.17	5.66	32.6	25.0
SP0202 S	135	463	92	49	79	0.4	37.1	0.09	3130	12.2	1.1	165	4.92	224	11.0	34	0.23	95.2	15.2	6.90	5.20	24.5	21.2
SP0203 S	138	698	221	31	116	0.7	27.7	0.06	5370	11.6	0.8	235	3.84	259	50.0	74	0.58	173	19.6	9.21	8.09	34.3	28.5
SP0204 S	166	1410	203	93	145	0.8	55.3	0.22	8230	10.4	1.0	524	8.18	521	12.7	22	0.65	251	81.8	40.7	27.0	60.4	103
SP0205 S	137	1130	146	18	119	0.6	20.6	0.09	7380	13.9	0.3	254	4.86	432	21.7	10	0.30	128	88.1	42.1	32.4	47.3	126
SP0206 S	50.6	973	90	235	173	1.1	95.1	0.09	4950	11.9	0.6	180	4.07	366	10.2	25	1.01	104	46.5	20.0	14.5	28.3	63.0
SP0207 S	239	412	210	21	54	0.3	74.5	0.09	1380	10.7	0.4	186	3.84	234	29.5	90	0.39	162	15.6	7.42	4.70	37.1	21.6
SP0208 S	225	302	74	57	51	0.7	55.7	0.15	2400	17.6	0.2	254	4.22	360	9.9	43	0.47	166	35.3	16.6	12.1	36.9	47.3
SP0209 S	262	261	164	37	60	0.8	87.3	0.15	1360	11.2	0.3	277	4.15	266	19.5	64	1.02	190	20.0	9.29	6.09	37.8	24.5
SP0210 SA	27.8	1600	102	22	191	0.8	138	0.15	5400	21.5	0.4	384	4.18	1190	46.8	197	0.24	1320	165	84.8	50.4	44.0	213
SP0211 S	168	232	36	51	56	0.5	43.8	1.36	782	12.2	0.5	291	4.78	222	6.3	11	0.27	168	18.5	8.62	6.03	34.2	26.3
SP0212 S	237	215	153	45	62	0.4	64.6	0.30	1390	14.7	1.9	331	3.44	191	32.6	64	0.20	243	14.6	6.87	4.76	33.3	19.4
SP0213 S	162	377	95	39	82	0.5	61.3	0.17	1990	11.5	1.0	210	4.55	188	13.4	39	0.35	304	15.1	7.19	4.98	29.6	20.6
SP0214 S	208	132	120	43	49	0.3	59.5	0.19	1110	11.6	0.8	158	4.03	331	30.2	58	0.37	201	23.8	11.1	7.23	31.4	32.5
SP0215 S	220	249	99	22	60	0.5	68.7	0.32	1340	14.1	0.7	289	2.71	273	12.9	39	0.63	213	22.6	10.7	7.41	32.0	30.4
SP0216 S	199	318	43	62	51	0.4	34.0	0.48	680	9.93	0.4	290	8.65	234	8.2	11	0.25	152	20.6	9.63	6.52	31.9	28.5
SP0217 S	178	416	51	17	69	0.5	35.9	0.24	2370	13.6	0.4	213	21.0	181	4.4	14	0.35	111	15.2	7.31	5.34	23.3	22.5
SP0218 S	247	1190	309	37	289	0.5	113	0.28	4080	21.4	0.7	161	5.71	407	46.0	136	2.42	414	63.1	31.1	20.5	72.8	79.2
SP0219 S	58.4	941	57	53	167	0.6	34.9	0.09	7470	8.64	0.5	87	3.34	197	7.0	15	0.39	81.8	12.7	5.49	5.29	16.8	19.2
SP0220 SA	203	137	38	27	31	0.3	18.1	0.19	572	10.4	0.3	281	2.55	160	9.7	13	0.73	102	11.1	5.10	3.43	30.1	16.0
SP0220 SB	230	100	41	19	30	2.1	28.5	0.26	989	12.6	1.1		3.11	300	12.7	15	0.67	182	23.1	11.1	7.52	39.5	34.4
SP0221 S	151	241	94	36	60	0.3	29.0	0.15	1610	7.85	0.9	116	2.90	123	13.8	31	0.59	70.2	7.19	3.21	2.66	28.9	10.9
SP0222 S	209	169	52	22	33	0.5	54.6	0.13	641	9.99	0.4	192	3.61	207	8.5	24	0.29	191	16.9	8.01	5.50	27.6	23.8
SP0223 S	163	273	53	21	25	0.2	49.9	0.11	524	7.79	0.4	170	4.00	144	8.5	16	0.33	166	10.6	5.36	3.57	25.6	16.0
SP0224 S	253	242	71	25	48	0.4	34.8	0.18	1140	14.3	0.4	274	5.97	244	11.3	28	2.01	119	20.1	9.58	6.18	26.9	27.8
SP0225 S	233	314	73	36	43	0.2	40.4	0.20	952	9.74	0.3	148	7.27	181	9.7	22	0.37	137	15.7	7.73	5.18	27.5	21.7
SP0226 S	257	96	83	18	12	0.4	30.2	0.11	990	12.8	0.3	342	2.60	217	14.4	23	0.22	71.8	13.8	5.78	4.59	37.1	20.4
SP0227 S	209	254	85	21	37	0.2	26.3	0.13	3460	11.1	0.3	281	4.79	178	14.3	13	0.39	54.0	14.2	6.99	5.46	37.5	20.5
SP0228 S	173	464	56	35	101	0.2	22.8	0.22	1090	11.2	0.1	178	6.20	203	6.8	17	0.20	205	26.3	12.3	8.45	24.8	34.7
SP0229 S	202	292	55	36	53	0.3	46.8	0.28	807	10.4	1.3	267	7.57	217	16.1	18	0.27	210	19.8	8.74	5.42	25.9	24.6
SP0230 SA	56.1	1620	66	12	386	0.3	95.3	0.58	922	17.9	1.4	996	15.5	297	28.7	32	0.04	2010	43.8	23.7	13.1	24.0	56.0
SP0230 SB	62.3	1520	72	11	453	0.3	116	0.67	1000	22.2	0.8		14.0	281	31.2	33	0.08	2340	44.8	25.2	13.6	27.7	57.0
SP0231 S	162	368	70	55	48	0.2	66.0	0.28	2280	13.8	0.2	244	3.43	213	16.5	26	0.20	316	18.5	8.60	6.57	30.9	25.8
SP0232 S	226	183	77	19	35	0.4	52.6	0.11	815	10.3	0.2	171	3.50	186	9.2	26	0.37	86.7	14.1	7.16	4.58	31.9	18.5
SP0233 S	227	246	120	27	54	0.3	49.0	0.11	1300	13.0	0.3	291	4.30	260	22.0	69	0.51	169	21.2	9.61	6.65	30.2	27.9
SP0234 S	260	1060	243	21	198	0.5	64.8	0.09	4940	18.6	0.6	216	4.61	346	33.6	124	1.61	176	24.0	11.5	8.60	61.1	32.6
SP0235 S	268	914	133	28	113	0.6	40.7	0.19	14100	14.1	0.4	295	6.16	309	12.2	16	1.08	106	35.2	16.9	13.7	70.1	46.6
SP0236 S	221	179	49	37	40	0.4	52.1	0.07	1580	10.5	0.2	284	5.03	166	3.7	10	0.39	66.3	9.38	4.33	3.51	39.2	15.1
SP0237 S	135	1230	49	40	187	0.8	98.6	0.32	2720	26.0	0.3	191	4.86	647	7.2	4	0.84	152	59.2	25.5	15.8	40.7	84.1
SP0238 S	157	896	130	54	96	0.6	46.5	0.18	9170	8.01	1.4	131	4.69	240	11.1	31	0.75	172	30.5	14.3	11.2	48.2	40.7
SP0239 S	86.1	683	31	39	70	< 0.2	25.0	0.24	4320	10.5	0.7	242	8.07	169	5.7	2	0.14	117	22.6	11.5	7.73	18.0	30.6
SP0240 SA	162	1390	137	38	125	0.5	25.4	0.19	1470	16.3	0.5	139	5.35	225	12.6	25	0.45	191	82.1	39.3	27.5	41.7	102
SP0240 SB	174	1410	148	39	127	0.5	28.7	0.22	1500	17.9	0.5		5.01	255	13.9	22	0.51	198	85.9	41.0	28.7	46.2	108

Analyte Symbol	Al	Ca	Fe	K	Mg	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga	Gd
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppb	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	0.2	0.5	0.05	1	0.07	0.1	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	0.1	0.03
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
SP0241 S	236	546	111	20	78	0.4	31.1	0.15	3760	15.3	0.4	300	3.96	328	23.5	11	0.63	241	76.8	31.3	34.5	49.5	119
SP0242 S	213	471	78	88	107	0.2	75.1	0.15	3300	11.3	0.3	266	5.18	189	9.8	19	0.74	147	13.3	6.02	4.98	42.4	19.3
SP0243 S	395	130	131	19	18	0.7	91.2	< 0.05	1440	12.3	0.6	186	7.35	273	14.4	28	1.06	96.6	17.6	8.48	4.53	40.2	22.5
SP0244 S	220	1120	117	54	233	0.8	99.5	0.13	5690	20.6	0.6	274	3.80	404	17.5	25	1.49	110	34.9	16.4	11.9	49.8	46.7
SP0245 S	105	1040	42	39	212	0.4	50.0	0.13	1140	6.17	0.2	239	8.56	180	4.2	3	4.55	265	18.9	9.54	6.09	16.5	25.7
SP0246 S	141	963	120	21	216	0.4	70.5	0.11	2480	21.1	1.2	114	4.73	355	19.3	30	1.51	108	23.6	10.9	7.78	24.9	31.7
SP0247 S	123	952	58	15	207	0.6	38.2	0.26	1460	18.6	0.8	238	8.73	746	6.5	14	0.14	592	49.3	25.3	16.0	41.4	78.6
SP0248 S	223	340	164	49	64	0.5	47.3	0.13	3050	13.4	0.6	212	2.00	147	20.5	61	0.98	116	9.60	4.62	3.58	53.1	13.6
SP0249 S	449	287	289	13	59	0.5	85.1	0.15	4920	17.9	0.8	199	2.80	146	48.2	101	2.61	117	9.19	4.53	3.34	93.7	12.2
SP0250 SA	139	923	113	17	136	0.2	64.8	0.11	1960	8.14	0.6	177	6.93	132	11.2	20	0.96	105	7.86	3.89	3.00	26.6	12.0
SP0250 SB	114	850	92	16	120	0.5	61.0	0.20	1860	6.55	1.4	338	6.30	127	9.6	18	0.87	87.4	7.64	3.63	3.10	23.6	12.0
SP0251 S	200	1240	117	44	232	0.4	141	0.35	8160	15.9	1.4	427	4.65	745	27.0	30	2.11	97.0	62.9	32.8	17.6	75.4	84.2
SP0252 S	279	219	100	35	53	0.5	51.2	0.09	5070	17.2	1.2	345	3.76	207	16.6	29	1.51	116	15.4	8.09	5.35	46.1	21.5
SP0253 S	137	1040	69	6	170	0.6	62.4	0.06	3270	14.1	0.8	181	3.73	648	15.3	20	3.36	91.8	20.6	9.75	7.00	28.8	33.9
SP0254 S	31.0	900	52	276	111	0.2	76.4	0.17	1750	3.82	0.8	284	5.41	168	11.1	22	0.37	154	36.2	18.7	11.6	13.4	44.6
SP0255 S	239	1390	190	17	271	1.1	100	0.28	8510	26.0	1.1	235	5.92	1100	17.6	49	2.30	143	104	49.6	27.6	83.1	142
SP0256 S	253	316	81	29	34	0.4	105	0.13	2660	9.90	0.4	234	3.88	131	3.6	15	0.72	52.2	8.73	4.42	3.08	43.8	12.4
SP0257 S	78.8	794	92	66	123	0.4	35.6	0.17	2010	7.29	0.5	259	4.14	254	14.3	20	0.46	151	45.8	21.2	17.7	21.4	65.1
SP0258 S	196	365	57	24	37	0.4	25.4	0.07	2400	9.35	0.3	280	3.98	201	5.8	14	0.46	65.9	14.7	7.01	4.81	29.4	21.3
SP0259 S	75.2	726	39	7	44	0.3	11.9	0.09	1680	9.30	0.2	209	6.75	176	7.1	9	0.31	82.3	16.1	7.47	6.00	21.3	24.1
SP0260 SA	242	492	104	50	66	0.3	80.2	0.11	1180	10.4	1.6	335	7.07	214	24.4	27	0.59	220	17.2	7.98	5.12	30.0	23.1
SP0260 SB	255	461	111	46	59	0.2	95.1	0.19	1350	13.2	0.9	276	6.60	265	25.1	40	0.33	239	21.5	10.2	7.01	33.9	27.5
SP0261 S	216	413	82	26	40	0.4	56.7	0.15	893	11.5	0.6	389	5.19	249	9.8	25	0.72	200	17.3	8.14	5.29	28.1	24.4
SP0262 S	190	222	46	21	31	0.4	61.5	0.09	896	13.2	0.3	242	2.45	244	9.5	14	0.61	206	20.3	9.65	6.47	37.9	29.7
SP0263 S	35.4	1580	26	< 5	264	0.8	37.3	0.10	2620	32.0	0.2	402	7.40	419	4.1	51	< 0.01	1680	81.9	42.3	26.6	26.7	111
SP0264 S	167	253	59	32	104	0.7	69.2	0.65	1130	12.7	0.1	307	3.03	293	14.1	43	0.28	197	27.1	13.1	8.61	37.8	37.3
SP0110SA	171	176	48	63	21	< 0.2	35.7	0.13	781	9.40	0.1	289	3.23	129	3.4	6	0.81	50.2	6.93	2.92	2.68	43.4	10.2

Analyte Symbol	Ge	Hf	Hg	Ho	I	In	La	Li	Lu	Mn	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb	Sc
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	0.05	0.04	0.05	0.01	1	0.1	0.01	0.2	0.01	0.1	2	0.2	0.03	0.2	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2	0.5
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
SP0042 SA	3.54	10.2	0.28	1.99	65	0.5	53.5	6.0	0.67	40100	25	11.3	56.7	42.3	56.7	< 0.5	13.8	< 0.5	26.1	< 0.01	< 0.05	1.5	62.0
SP0043 S	4.31	20.6	0.24	3.56	112	0.6	95.1	4.4	1.17	29500	23	16.1	106	34.5	46.7	< 0.5	25.9	< 0.5	38.9	< 0.01	< 0.05	1.7	78.1
SP0044 S	2.72	16.8	0.28	2.48	73	0.5	75.0	7.0	0.74	17800	16	15.5	75.6	26.8	29.0	< 0.5	18.8	< 0.5	39.9	< 0.01	< 0.05	1.0	89.1
SP0045 S	5.83	16.1	0.22	3.81	79	0.5	107	7.1	1.23	13800	17	15.4	120	32.9	34.0	< 0.5	28.7	< 0.5	40.3	< 0.01	< 0.05	1.1	86.3
SP0046 S	11.0	14.3	0.19	8.53	74	0.4	256	13.0	2.53	12600	11	16.6	278	72.6	61.5	< 0.5	67.4	< 0.5	5.5	0.02	< 0.05	1.8	127
SP0047 S	4.81	13.0	0.30	4.10	205	0.2	93.7	2.3	1.44	12500	24	5.8	122	16.2	20.8	< 0.5	28.8	< 0.5	78.3	0.02	< 0.05	1.3	78.4
SP0048 S	15.9	26.9	0.24	14.1	281	0.7	309	2.9	4.46	4280	25	15.9	394	51.3	48.9	0.6	90.3	< 0.5	23.6	0.07	< 0.05	2.7	172
SP0049 S	45.8	9.93	0.13	56.2	71	0.3	913	43.9	18.2	14500	12	4.8	1310	29.3	31.7	< 0.5	277	< 0.5	31.5	0.17	< 0.05	2.8	235
SP0050 SA	2.03	7.66	0.13	1.42	75	0.2	60.1	1.4	0.47	15000	13	9.0	57.0	11.0	31.2	< 0.5	13.9	< 0.5	63.2	0.02	< 0.05	1.4	24.0
SP0051 S	3.28	9.31	0.15	1.99	91	0.2	64.8	2.4	0.71	29400	23	10.3	69.8	15.9	19.9	< 0.5	17.4	< 0.5	73.2	0.02	< 0.05	1.1	38.9
SP0052 S	9.02	24.8	0.28	6.45	113	1.1	195	40.7	2.08	27900	18	31.4	179	33.1	134	0.5	45.0	< 0.5	37.1	0.07	< 0.05	1.6	135
SP0053 S	6.07	22.3	0.19	4.44	86	0.4	144	10.6	1.45	15000	12	18.0	141	11.5	28.8	0.5	34.9	< 0.5	33.1	0.02	< 0.05	1.4	116
SP0054 S	12.4	22.9	0.24	11.4	88	0.7	269	30.9	3.85	27100	14	22.6	307	37.3	71.5	0.5	71.8	< 0.5	38.3	0.04	< 0.05	1.8	168
SP0055 S	4.46	11.2	0.22	3.29	93	0.4	97.1	3.2	1.01	23900	19	8.4	98.8	21.2	28.0	< 0.5	24.6	< 0.5	30.3	< 0.01	< 0.05	0.9	77.0
SP0056 S	19.1	23.3	0.23	17.5	132	0.7	449	12.3	6.17	16200	13	13.4	513	23.2	56.3	0.5	119	< 0.5	40.9	0.07	< 0.05	1.6	144
SP0057 S	12.0	6.23	0.07	15.3	347	0.2	269	64.5	6.41	2810	18	2.3	345	15.0	14.4	< 0.5	76.1	< 0.5	4.6	0.30	< 0.05	4.2	131
SP0058 S	5.67	15.2	0.09	4.26	123	0.4	104	10.4	1.49	23700	9	11.2	116	15.8	34.7	< 0.5	27.4	< 0.5	90.0	0.02	< 0.05	1.9	83.7
SP0059 S	4.07	11.0	0.24	2.22	100	0.3	83.8	1.5	0.71	11400	11	11.4	84.1	4.8	17.0	< 0.5	21.6	< 0.5	56.2	< 0.01	< 0.05	0.7	38.6
SP0060 SA	4.03	12.1	0.21	2.67	83	0.5	74.5	10.0	0.76	16600	13	10.9	67.5	12.6	41.1	< 0.5	17.8	< 0.5	25.1	0.02	< 0.05	1.6	84.3
SP0061 S	2.34	7.89	0.19	1.07	60	0.2	46.7	1.4	0.30	18600	17	10.8	42.8	7.1	18.1	< 0.5	11.0	< 0.5	38.4	< 0.01	< 0.05	1.1	22.4
SP0062 S	5.35	13.4	0.13	3.58	68	0.2	152	7.9	1.15	15200	8	8.2	118	6.3	15.3	< 0.5	30.5	< 0.5	12.9	0.02	< 0.05	0.8	126
SP0063 S	3.76	10.2	0.22	2.09	124	0.2	99.8	0.3	0.69	15300	18	5.9	90.9	0.8	5.5	< 0.5	23.7	< 0.5	62.7	< 0.01	< 0.05	1.5	38.8
SP0064 S	2.40	12.4	< 0.05	1.92	60	0.4	52.9	11.6	0.56	27600	22	9.3	51.0	12.8	23.8	< 0.5	12.4	< 0.5	27.3	< 0.01	< 0.05	1.1	88.7
SP0065 S	14.0	31.4	0.11	11.8	71	0.7	357	30.1	3.52	7860	11	22.9	371	22.2	66.4	0.7	91.4	< 0.5	24.0	0.04	< 0.05	1.5	216
SP0066 S	3.65	12.9	0.13	2.05	46	0.3	87.2	9.2	0.65	21400	16	13.9	71.3	6.5	24.5	< 0.5	18.9	< 0.5	20.9	< 0.01	< 0.05	1.0	68.7
SP0067 S	4.71	11.9	0.11	3.78	82	0.2	133	4.3	1.10	16300	11	8.1	133	4.6	14.5	< 0.5	32.8	< 0.5	27.3	< 0.01	< 0.05	0.9	64.6
SP0068 S	5.57	16.5	0.09	3.35	44	0.2	102	6.5	0.99	13900	8	12.8	107	6.4	14.7	< 0.5	26.7	< 0.5	38.5	< 0.01	< 0.05	0.5	78.2
SP0069 S	2.52	12.2	0.11	1.61	85	0.2	57.5	1.2	0.58	27500	14	12.6	56.6	9.1	11.7	< 0.5	15.0	< 0.5	48.7	< 0.01	< 0.05	0.8	39.5
SP0070 SA	35.5	19.3	0.15	32.5	91	0.7	750	103	10.1	5990	8	4.1	1000	11.3	69.4	< 0.5	224	< 0.5	32.4	0.06	< 0.05	0.7	340
SP0071 S	20.0	9.06	0.22	23.9	43	0.2	512	16.6	7.85	16800	9	3.3	635	23.2	48.2	0.5	142	< 0.5	22.6	0.04	< 0.05	< 0.2	280
SP0072 S	15.9	10.7	0.15	14.9	80	0.4	369	40.0	5.16	23300	7	5.2	437	19.5	26.4	< 0.5	99.8	< 0.5	36.3	0.02	< 0.05	1.0	209
SP0073 S	13.0	14.3	0.21	15.0	82	0.3	282	17.8	5.08	15200	13	7.3	370	48.3	19.9	< 0.5	81.7	< 0.5	36.7	0.06	< 0.05	5.2	265
SP0074 S	3.74	12.5	0.13	1.81	68	0.4	66.2	4.7	0.52	20200	11	15.3	65.2	25.2	35.6	< 0.5	17.2	< 0.5	52.1	0.02	< 0.05	0.8	33.3
SP0075 S	3.43	9.14	0.17	2.06	80	0.2	66.8	1.7	0.82	10100	8	9.3	74.0	10.4	8.5	< 0.5	18.3	< 0.5	58.2	< 0.01	< 0.05	0.7	40.5
SP0076 S	6.36	16.2	< 0.05	4.83	47	0.3	161	9.1	1.45	17600	11	10.7	158	34.4	24.7	< 0.5	39.2	< 0.5	40.7	< 0.01	0.06	1.0	147
SP0077 S	12.1	9.94	0.26	11.6	65	0.3	311	29.7	2.99	10400	9	5.5	318	13.0	42.9	< 0.5	76.5	< 0.5	20.1	0.04	< 0.05	1.4	242
SP0078 S	4.59	22.3	0.24	2.89	75	0.5	113	84.9	0.88	43500	20	22.6	90.3	30.3	51.8	< 0.5	24.8	< 0.5	46.6	0.02	< 0.05	1.4	129
SP0079 S	5.15	19.5	0.07	3.12	43	0.3	118	5.7	0.95	6400	9	16.0	105	16.3	18.8	< 0.5	28.2	< 0.5	23.4	0.02	< 0.05	1.7	96.8
SP0080 SA	2.59	14.9	0.24	1.66	128	0.4	47.0	2.2	0.54	33900	12	14.0	50.4	12.6	21.9	< 0.5	12.4	< 0.5	60.8	< 0.01	< 0.05	1.0	35.2
SP0081 S	5.19	11.9	0.07	3.89	50	0.3	119	20.3	1.08	14800	9	11.0	117	5.8	30.5	< 0.5	30.0	< 0.5	33.6	< 0.01	< 0.05	0.9	93.9
SP0082 S	6.78	30.2	0.07	4.11	44	0.3	240	7.7	1.10	8530	7	19.5	165	11.7	34.5	0.7	46.6	< 0.5	18.9	0.02	< 0.05	0.9	143
SP0083 S	10.7	17.3	0.17	8.71	70	0.4	291	15.1	2.64	7160	8	12.6	289	23.9	28.6	< 0.5	72.8	< 0.5	17.4	0.02	< 0.05	3.9	195
SP0084 S	5.95	18.2	0.09	4.60	52	0.3	159	16.0	1.30	7440	9	14.6	145	18.4	25.5	< 0.5	38.5	< 0.5	24.1	0.02	< 0.05	1.9	134
SP0085 S	5.76	25.7	0.26	2.97	126	0.6	120	17.1	0.86	15300	24	32.4	101	20.6	52.0	0.6	26.7	< 0.5	55.5	< 0.01	< 0.05	2.0	72.4
SP0086 S	5.30	9.45	0.11	3.99	79	0.2	155	2.4	1.19	26800	10	9.5	145	7.6	10.2	< 0.5	38.7	< 0.5	39.8	< 0.01	< 0.05	1.7	73.2
SP0087 S	1.90	9.29	0.28	1.68	112	0.1	45.0	0.7	0.54	13900	14	6.0	50.8	6.0	4.8	< 0.5	12.5	< 0.5	67.0	< 0.01	< 0.05	1.8	44.2
SP0088 S	4.60	12.4	0.09	2.78	59	0.3	84.7	13.1	0.83	16400	10	10.4	73.9	17.6	30.6	< 0.5	19.7	< 0.5	27.5	0.02	< 0.05	1.5	130
SP0089 S	2.85	12.2	0.09	2.22	65	0.3	60.7	5.9	0.80	17800	12	15.6	67.2	12.4	25.1	< 0.5	16.2	< 0.5	32.8	< 0.01	< 0.05	1.4	48.1
SP0090 SA	7.12	3.63	0.33	12.0	647	< 0.1	97.1	54.2	5.69	4970	16	2.2	148	40.8	5.8	< 0.5	29.9	< 0.5	14.3	0.28	< 0.05	6.0	46.4
SP0091 S	7.81	16.8	0.32	5.16	81	0.3	204	21.6	1.40	21900	11	15.5	171	24.5	28.1	< 0.5	44.9	< 0.5	26.5	0.02	0.06	1.8	174

Analyte Symbol	Ge	Hf	Hg	Ho	I	In	La	Li	Lu	Mn	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb	Sc
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	0.05	0.04	0.05	0.01	1	0.1	0.01	0.2	0.01	0.1	2	0.2	0.03	0.2	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2	0.5
Method Code	Bioleach h-MS	Bioleach h-MS	Bioleach h-MS	Bioleach h-MS	Bioleach h-MS	Bioleach h-MS	Bioleach h-MS	Bioleach h-MS	Bioleach h-MS	Bioleach h-MS	Bioleach h-MS	Bioleach h-MS	Bioleach h-MS	Bioleach h-MS	Bioleach h-MS	Bioleach h-MS	Bioleach h-MS	Bioleach h-MS	Bioleach h-MS	Bioleach h-MS	Bioleach h-MS	Bioleach h-MS	Bioleach h-MS
SP0092 S	8.66	12.4	0.13	9.22	96	0.2	166	13.5	3.42	9940	9	11.3	228	17.0	17.7	0.5	49.0	< 0.5	22.2	0.02	< 0.05	1.6	147
SP0093 S	7.48	11.9	0.15	6.54	111	0.3	170	26.4	2.22	17600	10	8.9	185	25.3	30.2	< 0.5	44.8	< 0.5	16.7	0.02	< 0.05	2.7	127
SP0094 S	1.40	11.7	0.07	0.95	63	0.4	34.2	5.5	0.34	14400	14	13.3	29.7	8.2	44.1	< 0.5	8.00	< 0.5	20.3	< 0.01	< 0.05	1.4	44.8
SP0095 S	5.67	15.0	0.17	5.15	57	0.1	207	12.6	1.45	35500	13	10.2	176	17.4	31.8	< 0.5	46.0	< 0.5	23.6	< 0.01	< 0.05	1.7	134
SP0096 S	5.30	8.75	0.19	3.94	54	0.3	96.7	27.8	1.52	5300	9	7.9	124	7.0	31.1	< 0.5	28.8	< 0.5	51.5	0.02	< 0.05	0.9	57.2
SP0097 S	3.06	8.02	0.09	2.41	46	0.3	67.5	25.2	0.86	13700	13	9.4	68.8	13.7	37.2	< 0.5	17.1	< 0.5	41.8	< 0.01	0.07	1.1	59.5
SP0098 S	3.70	2.44	0.56	3.40	735	< 0.1	31.5	161	1.53	7880	25	1.8	51.3	17.6	68.3	< 0.5	10.3	< 0.5	11.3	0.07	0.06	8.0	23.7
SP0099 S	9.25	32.1	0.15	6.64	117	0.7	258	22.1	1.84	5300	7	27.4	234	21.7	64.8	0.7	59.0	< 0.5	55.4	0.02	< 0.05	1.7	103
SP0100 SA	17.3	11.9	0.26	28.0	128	0.4	308	56.6	12.0	7780	7	5.0	490	50.4	39.9	< 0.5	97.6	< 0.5	17.0	0.11	< 0.05	3.8	319
SP0101 S	5.06	20.2	0.17	3.66	78	0.5	112	19.6	1.23	8210	9	22.9	111	32.7	52.4	< 0.5	28.1	< 0.5	25.1	< 0.01	< 0.05	1.0	86.4
SP0102 S	6.79	17.2	0.21	5.00	47	0.2	183	46.3	1.74	19200	10	19.5	182	14.0	40.1	< 0.5	47.7	< 0.5	29.5	< 0.01	< 0.05	1.5	86.1
SP0103 S	21.7	20.2	0.11	29.2	67	0.4	422	36.8	11.2	7790	21	9.1	594	30.9	25.9	< 0.5	124	< 0.5	12.7	0.07	< 0.05	1.2	329
SP0104 S	2.33	10.9	0.28	1.31	95	0.4	33.4	7.7	0.47	13700	22	14.7	34.7	17.6	48.2	< 0.5	9.31	< 0.5	36.8	0.02	< 0.05	1.0	43.1
SP0105 S	3.39	12.0	0.30	2.05	103	0.4	62.5	7.6	0.67	13800	14	12.9	66.4	13.8	41.7	< 0.5	16.3	< 0.5	37.1	< 0.01	< 0.05	1.1	49.2
SP0106 S	3.21	7.15	0.34	2.21	95	0.1	78.5	0.7	0.77	11300	12	7.3	80.5	7.3	10.2	< 0.5	20.3	< 0.5	42.0	0.02	< 0.05	1.4	34.9
SP0107 S	18.9	19.4	0.30	19.8	105	0.4	524	6.6	5.93	5280	7	5.3	544	8.4	18.2	< 0.5	131	< 0.5	26.5	0.04	< 0.05	1.7	400
SP0108 S	1.45	6.20	0.09	0.80	85	0.1	27.6	2.2	0.30	14000	12	7.4	26.7	4.1	11.2	< 0.5	6.83	< 0.5	50.0	< 0.01	< 0.05	0.8	20.4
SP0109 S	5.71	28.0	0.13	4.80	70	0.6	155	13.5	1.32	7900	8	15.8	134	21.5	38.0	0.7	35.5	< 0.5	35.2	< 0.01	< 0.05	1.5	194
SP0110 SB	2.39	7.10	0.15	1.29	119	0.1	52.4	0.9	0.47	9410	26	8.0	50.6	3.9	13.2	< 0.5	13.0	< 0.5	67.6	< 0.01	< 0.05	1.2	21.6
SP0112 S	3.95	15.1	0.15	2.25	71	0.2	89.9	4.4	0.73	7940	11	14.6	84.4	4.3	24.8	< 0.5	22.3	< 0.5	35.3	0.02	< 0.05	1.1	41.8
SP0113 S	13.8	21.9	0.19	12.9	67	0.7	320	17.6	4.08	11600	13	15.6	357	24.9	37.2	< 0.5	84.4	< 0.5	19.3	0.04	< 0.05	1.3	223
SP0114 S	4.28	13.9	0.09	2.88	50	0.3	111	8.9	0.87	20400	14	14.8	98.5	12.8	24.2	< 0.5	25.4	< 0.5	16.2	< 0.01	< 0.05	1.0	98.7
SP0115 S	4.46	17.7	0.12	2.76	73	0.4	107	10.3	0.84	19200	13	17.6	96.9	12.3	36.9	< 0.5	24.7	< 0.5	21.2	< 0.01	< 0.05	1.3	97.0
SP0116 S	7.04	9.93	0.09	4.98	53	0.2	202	9.0	1.46	11000	8	8.6	185	6.3	34.6	< 0.5	46.6	< 0.5	14.1	0.02	< 0.05	0.6	109
SP0117 S	35.1	16.1	0.43	37.9	147	1.2	833	28.5	13.5	6040	8	8.2	1030	14.0	47.2	< 0.5	228	< 0.5	22.9	0.13	< 0.05	1.9	663
SP0118 S	41.1	16.0	0.20	49.0	91	0.8	848	30.8	16.1	11400	5	4.1	1220	11.7	23.9	< 0.5	263	< 0.5	22.1	0.13	< 0.05	1.3	627
SP0119 S	5.42	11.6	0.07	4.19	73	0.3	167	8.6	1.23	5370	6	9.2	159	9.5	20.8	< 0.5	39.2	< 0.5	15.1	0.02	0.06	1.0	90.5
SP0120 SB	3.96	19.0	0.15	2.37	69	0.3	95.4	2.5	0.88	11600	13	18.2	92.8	7.6	26.4	< 0.5	23.7	< 0.5	27.4	< 0.01	< 0.05	1.7	56.8
SP0120 SA	3.77	18.3	< 0.05	2.67	74	0.4	97.8	3.0	0.84	14900	15	20.1	97.1	9.8	27.3	< 0.5	24.5	< 0.5	29.7	< 0.01	< 0.05	1.2	56.7
SP0122 S	7.77	11.3	0.17	7.54	127	< 0.1	159	133	2.84	8630	7	5.6	210	10.9	12.4	< 0.5	47.7	< 0.5	14.7	0.02	0.07	1.5	97.0
SP0123 S	22.9	13.3	0.09	37.7	77	0.5	338	95.8	13.9	10200	5	3.5	566	31.4	35.8	< 0.5	111	< 0.5	24.6	0.11	< 0.05	1.6	481
SP0124 S	4.24	22.1	0.19	2.82	84	0.5	112	11.3	0.86	7960	9	20.6	91.6	24.6	36.0	< 0.5	24.6	< 0.5	23.5	0.02	0.06	1.9	121
SP0125 S	9.78	12.4	0.19	8.59	110	0.3	212	6.9	2.87	15500	7	8.1	255	7.9	10.9	< 0.5	60.3	< 0.5	40.7	< 0.01	< 0.05	1.4	151
SP0126 S	4.18	17.2	0.11	1.88	98	0.9	62.6	7.6	0.63	11600	8	18.6	57.2	12.2	33.2	< 0.5	14.4	< 0.5	24.3	< 0.01	< 0.05	0.9	66.1
SP0127 S	5.02	4.06	0.17	3.73	117	0.2	93.4	0.9	1.27	26400	12	3.4	121	11.3	6.4	< 0.5	27.2	< 0.5	85.7	0.02	< 0.05	1.0	58.1
SP0128 S	1.33	9.86	0.11	1.25	30	0.5	49.0	9.7	0.37	14200	14	11.8	36.4	10.9	29.7	< 0.5	10.2	< 0.5	12.6	< 0.01	< 0.05	0.8	67.5
SP0129 S	2.37	14.3	0.17	1.61	64	0.3	54.4	2.9	0.60	9320	7	14.3	51.1	10.5	13.3	< 0.5	13.2	< 0.5	11.6	< 0.01	< 0.05	1.5	46.0
SP0130 SB	24.9	15.6	0.22	23.7	162	0.9	580	44.2	6.91	16400	6	9.3	663	18.8	23.6	< 0.5	156	< 0.5	36.8	0.07	< 0.05	2.4	376
SP0130 SA	21.2	13.0	0.24	18.3	121	0.9	471	36.6	5.32	15100	6	7.6	537	16.3	19.3	< 0.5	126	< 0.5	31.9	0.06	0.06	2.0	324
SP0132 S	4.67	13.5	0.24	4.15	91	0.3	115	18.4	1.41	1160	9	10.7	119	25.1	17.1	< 0.5	29.2	< 0.5	12.2	0.02	< 0.05	2.1	120
SP0133 S	21.3	6.31	0.11	25.9	84	0.3	409	1.8	8.04	14400	8	0.6	670	2.9	7.9	< 0.5	140	< 0.5	12.9	0.09	< 0.05	1.6	134
SP0134 S	2.62	15.7	0.11	2.06	55	0.4	69.6	13.3	0.67	19000	16	15.4	65.4	15.5	34.2	0.5	17.0	< 0.5	33.9	< 0.01	< 0.05	2.0	70.8
SP0135 S	21.5	21.5	0.13	19.9	74	1.2	518	25.0	6.03	2650	7	18.6	566	21.0	42.8	0.6	133	< 0.5	14.9	0.06	0.06	1.7	306
SP0136 S	6.33	11.1	< 0.05	4.83	77	0.3	174	14.2	1.42	7550	8	10.9	169	12.6	16.6	< 0.5	41.6	< 0.5	16.4	0.02	< 0.05	1.3	90.8
SP0137 S	2.85	13.8	0.17	1.83	71	0.4	69.4	4.6	0.63	12100	8	10.8	58.2	10.7	12.7	< 0.5	15.1	< 0.5	10.7	< 0.01	< 0.05	1.6	84.3
SP0138 S	18.5	15.9	0.07	19.6	75	0.4	460	40.4	5.82	15700	10	8.6	514	53.7	22.0	< 0.5	120	< 0.5	25.0	0.06	< 0.05	1.9	226
SP0139 S	11.6	13.5	0.26	12.4	136	0.2	276	15.1	4.02	15400	11	5.8	349	13.4	12.2	< 0.5	79.5	< 0.5	30.8	0.04	0.06	1.8	195
SP0140 SB	5.44	16.3	0.13	5.28	65	0.3	165	14.2	1.65	18600	22	12.4	163	18.2	49.0	< 0.5	40.0	< 0.5	16.0	0.02	< 0.05	1.6	151
SP0140 SA	5.85	15.9	0.11	5.39	59	0.3	155	13.2	1.62	18100	19	11.4	158	15.8	17.3	< 0.5	39.0	< 0.5	15.9	0.02	0.06	1.6	157
SP0142 S	2.42	4.07	0.28	2.05	122	0.1	59.0	< 0.2	0.80	28200	28	3.6	66.8	2.0	2.9	< 0.5	16.2	< 0.5	57.9	< 0.01	< 0.05	1.1	55.8

Analyte Symbol	Ge	Hf	Hg	Ho	I	In	La	Li	Lu	Mn	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb	Sc
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	0.05	0.04	0.05	0.01	1	0.1	0.01	0.2	0.01	0.1	2	0.2	0.03	0.2	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2	0.5
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
SP0143 S	10.5	8.35	0.21	9.46	122	0.2	233	< 0.2	2.60	13400	16	3.5	304	4.9	14.4	< 0.5	70.4	< 0.5	96.5	0.05	< 0.05	1.2	108
SP0144 S	15.2	8.29	0.17	21.7	98	< 0.1	288	39.1	8.06	13700	7	2.3	418	18.4	176	< 0.5	86.7	< 0.5	22.9	0.06	0.07	1.6	138
SP0145 S	4.24	6.76	0.06	3.14	115	0.1	89.4	0.3	1.05	11600	9	2.8	100.0	5.0	12.3	< 0.5	24.3	< 0.5	56.2	0.02	< 0.05	1.1	61.8
SP0146 S	6.27	10.3	< 0.05	8.57	99	< 0.1	174	19.0	3.42	9880	9	4.0	225	30.0	26.4	< 0.5	51.5	< 0.5	4.7	0.04	< 0.05	2.4	82.3
SP0147 S	10.6	13.8	0.11	9.29	63	0.3	240	19.2	2.52	29700	9	8.9	257	56.9	124	< 0.5	61.0	< 0.5	36.1	0.04	< 0.05	1.7	223
SP0148 S	3.25	7.26	0.24	2.50	108	0.3	65.9	0.7	0.91	8590	9	7.8	88.8	5.2	8.3	< 0.5	20.9	< 0.5	41.8	0.02	< 0.05	2.3	47.9
SP0149 S	16.3	12.6	0.07	15.1	89	0.3	449	26.1	3.75	247000	8	8.0	479	50.1	38.5	< 0.5	113	< 0.5	20.2	0.04	< 0.05	1.7	148
SP0150 SB	12.6	17.6	0.22	13.9	117	0.2	317	19.4	4.13	13300	11	7.7	365	18.9	15.5	< 0.5	86.2	< 0.5	27.4	0.06	0.06	1.2	181
SP0150 SA	13.6	18.2	0.21	14.5	120	0.1	326	15.5	4.37	10000	10	7.5	377	20.0	13.0	0.5	89.4	< 0.5	20.0	0.04	< 0.05	1.2	177
SP0152 S	5.22	14.8	0.11	4.89	66	0.1	150	12.8	1.52	25900	15	8.2	138	17.2	90.0	< 0.5	34.9	< 0.5	25.6	0.02	< 0.05	0.9	196
SP0153 S	20.8	10.2	0.11	26.1	113	0.2	424	14.9	7.97	22800	10	3.2	589	8.8	40.7	< 0.5	127	< 0.5	15.0	0.11	< 0.05	0.9	350
SP0154 S	10.1	20.0	0.28	7.11	77	0.2	300	13.4	2.31	17500	8	11.1	278	26.9	55.3	< 0.5	70.8	< 0.5	27.8	0.02	< 0.05	1.5	164
SP0155 S	14.6	23.2	0.15	16.0	85	0.3	455	11.1	4.70	23100	10	9.2	468	60.9	42.9	0.5	113	< 0.5	29.5	0.04	< 0.05	1.5	351
SP0156 S	11.4	14.6	0.13	11.8	118	0.2	308	13.0	3.36	15700	10	6.5	355	10.1	19.5	< 0.5	83.3	< 0.5	6.6	0.04	0.06	1.3	286
SP0157 S	14.4	14.4	0.15	13.7	131	0.2	272	27.8	4.46	9480	7	8.4	355	22.4	54.7	0.5	81.6	< 0.5	24.1	0.04	< 0.05	1.2	327
SP0158 S	22.7	22.7	0.19	26.1	135	0.3	540	33.6	8.36	18700	9	8.1	657	57.1	44.2	0.7	151	< 0.5	31.2	0.08	< 0.05	2.1	375
SP0159 S	9.77	18.4	0.28	9.47	83	0.3	263	18.1	2.85	15800	15	8.6	269	25.9	13.4	< 0.5	65.4	< 0.5	20.0	0.04	< 0.05	1.4	285
SP0160 SB	26.5	12.8	0.24	37.2	175	0.6	488	89.1	13.4	7000	4	1.3	702	259	22.4	< 0.5	151	< 0.5	26.1	0.09	< 0.05	0.5	612
SP0160 SA	26.5	18.3	0.21	41.1	165	0.6	534	46.8	15.5	7680	4	1.4	803	177	46.3	< 0.5	165	< 0.5	28.8	0.11	0.06	0.6	720
SP0162 S	13.0	16.6	0.06	14.1	99	0.3	324	34.2	4.52	16500	7	8.9	396	8.3	58.4	< 0.5	89.3	< 0.5	13.8	0.04	0.07	0.9	303
SP0163 S	4.77	4.84	0.20	5.38	124	< 0.1	112	1.6	1.91	16200	10	2.7	157	2.6	1.7	< 0.5	35.1	< 0.5	22.4	0.02	< 0.05	1.0	125
SP0164 S	5.83	4.38	0.22	4.77	120	0.1	124	0.2	1.45	16200	13	2.3	152	1.4	1.8	< 0.5	35.0	< 0.5	24.1	0.02	< 0.05	0.6	116
SP0165 S	5.99	13.8	0.07	5.92	61	0.2	160	6.3	1.80	14800	10	5.2	158	9.3	8.4	< 0.5	38.6	< 0.5	5.0	< 0.01	< 0.05	0.9	175
SP0166 S	26.0	18.5	0.09	47.0	179	0.2	493	55.6	16.6	11000	9	2.3	837	40.8	5.0	< 0.5	172	< 0.5	55.4	0.13	< 0.05	1.7	620
SP0167 S	7.84	11.2	0.28	5.90	38	0.3	217	22.2	1.79	24000	11	4.9	179	10.7	14.6	< 0.5	46.0	< 0.5	17.0	< 0.01	0.06	0.7	112
SP0168 S	2.57	12.7	0.31	2.07	59	0.3	72.3	10.6	0.67	7990	14	14.2	69.9	10.6	24.6	< 0.5	17.4	< 0.5	25.2	< 0.01	< 0.05	0.7	50.3
SP0169 S	3.13	13.6	0.19	1.71	81	0.2	66.7	1.8	0.58	18500	17	13.7	66.0	4.9	10.6	< 0.5	16.9	< 0.5	36.8	< 0.01	< 0.05	0.9	42.3
SP0170 SB	8.60	25.9	0.17	6.72	79	0.4	288	17.6	1.81	9460	8	15.5	257	10.8	23.7	0.6	65.7	< 0.5	20.2	0.04	< 0.05	0.8	150
SP0170 SB	6.86	21.4	0.13	4.85	77	0.3	198	16.2	1.41	10100	8	13.2	171	8.4	17.6	0.6	44.9	< 0.5	20.4	< 0.01	< 0.05	0.7	121
SP0172 S	7.93	5.37	0.34	13.9	131	0.4	135	12.0	6.22	5190	5	0.5	251	5.7	13.3	< 0.5	50.4	< 0.5	3.9	0.02	0.07	2.0	102
SP0173 S	22.9	34.7	0.23	24.6	105	0.5	668	61.8	7.56	18400	10	22.1	744	27.0	63.1	0.8	176	< 0.5	45.1	0.07	< 0.05	2.0	279
SP0174 S	39.4	18.6	0.26	57.8	66	0.9	907	46.7	17.8	40500	14	4.9	1290	44.6	20.5	0.5	281	< 0.5	23.0	0.17	< 0.05	2.2	396
SP0175 S	11.2	25.4	0.29	9.78	118	0.6	289	44.9	2.90	39900	18	17.6	294	49.4	44.8	0.6	74.9	< 0.5	77.5	0.02	< 0.05	1.7	218
SP0176 S	6.24	20.2	0.20	5.67	75	0.4	163	33.4	1.97	18600	11	15.9	160	68.9	48.3	< 0.5	40.5	< 0.5	45.3	0.02	< 0.05	1.9	174
SP0177 S	4.44	10.3	0.06	3.28	130	0.3	110	0.7	1.19	12200	13	12.1	122	5.8	21.4	< 0.5	29.4	< 0.5	35.8	< 0.01	< 0.05	1.4	41.4
SP0179 S	4.92	3.10	0.49	5.24	1410	< 0.1	49.5	24.3	2.53	6490	21	2.2	75.7	24.2	22.7	< 0.5	15.3	< 0.5	3.1	0.11	< 0.05	8.8	32.5
SP0180 SA	6.10	27.5	0.27	4.12	63	0.4	172	10.2	1.30	2210	7	16.9	163	13.6	21.6	0.6	42.8	< 0.5	19.1	< 0.01	< 0.05	1.1	114
SP0181 S	2.29	10.7	< 0.05	1.38	65	0.4	44.1	8.5	0.49	9630	10	15.5	42.0	31.6	40.6	< 0.5	10.5	< 0.5	21.8	0.02	< 0.05	1.2	48.2
SP0182 S	5.73	21.0	0.26	4.41	143	0.4	110	2.3	1.42	18800	15	11.6	132	27.9	22.4	0.5	31.5	< 0.5	55.8	0.02	< 0.05	1.3	120
SP0183 S	4.85	14.5	0.21	2.83	81	0.5	107	9.6	0.82	7450	15	17.7	94.7	35.3	46.7	< 0.5	24.4	< 0.5	20.2	0.02	< 0.05	1.5	91.3
SP0184 S	7.82	21.2	0.15	6.66	111	0.6	155	10.6	2.36	13700	15	18.2	189	46.2	33.4	0.5	42.6	< 0.5	48.6	< 0.01	< 0.05	1.3	141
SP0185 S	4.08	18.3	0.28	4.06	134	0.3	90.3	2.2	1.46	12400	15	10.8	112	18.4	25.6	< 0.5	26.4	< 0.5	42.0	< 0.01	< 0.05	1.2	100
SP0186 S	4.97	16.7	0.29	4.82	121	0.3	111	0.8	1.77	7940	21	10.4	140	25.7	15.5	< 0.5	32.7	< 0.5	35.2	0.02	< 0.05	1.3	87.5
SP0187 S	3.48	8.64	< 0.05	2.28	44	0.2	85.8	3.4	0.91	15600	14	9.5	77.1	9.6	12.4	< 0.5	19.9	< 0.5	18.9	< 0.01	< 0.05	< 0.2	54.5
SP0188 S	6.98	17.4	0.06	7.84	121	0.5	172	13.8	2.77	9820	9	12.1	216	46.3	19.8	0.5	48.6	< 0.5	17.2	0.02	< 0.05	5.2	220
SP0189 S	9.36	21.2	0.19	12.7	92	0.5	202	30.4	4.77	24000	10	11.1	304	40.7	18.2	< 0.5	65.5	< 0.5	29.2	0.04	< 0.05	2.3	252
SP0190 SA	3.10	14.2	0.24	2.37	106	0.4	71.1	3.7	0.82	9880	12	11.9	77.1	22.1	34.1	0.5	18.5	< 0.5	17.1	0.02	< 0.05	1.2	69.4
SP0191 S	3.76	15.3	0.16	2.37	126	0.5	70.1	5.3	0.88	14100	12	15.7	71.2	32.5	28.8	< 0.5	18.0	< 0.5	30.8	0.02	< 0.05	1.1	63.5
SP0192 S	4.30	11.7	0.21	3.06	65	0.3	97.8	5.6	0.98	8710	8	10.0	93.2	28.5	29.2	< 0.5	23.4	< 0.5	13.5	< 0.01	< 0.05	1.1	116
SP0193 S	4.31	21.7	0.29	2.94	104	0.4	78.2	6.5	0.99	10600	18	16.4	88.5	29.9	33.3	< 0.5	22.1	< 0.5	49.4	< 0.01	< 0.05	1.2	84.0

Analyte Symbol	Ge	Hf	Hg	Ho	I	In	La	Li	Lu	Mn	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb	Sc
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	0.05	0.04	0.05	0.01	1	0.1	0.01	0.2	0.01	0.1	2	0.2	0.03	0.2	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2	0.5
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
SP0194 S	16.9	29.9	0.24	18.0	184	0.7	416	19.5	6.11	8010	13	30.4	504	128	101	0.9	116	< 0.5	22.8	0.07	< 0.05	2.4	179
SP0195 S	5.15	30.0	0.18	4.80	182	0.6	104	3.5	1.59	12900	24	17.2	128	21.4	30.9	0.7	31.0	< 0.5	35.2	0.02	< 0.05	1.2	138
SP0196 S	24.4	32.8	0.13	23.3	287	0.5	564	25.5	8.69	19700	11	22.1	694	79.5	34.5	1.0	157	< 0.5	8.1	0.15	< 0.05	2.1	261
SP0197 S	6.20	18.7	0.19	5.95	224	0.4	161	< 0.2	1.96	5710	21	8.5	195	11.6	22.4	0.6	46.4	< 0.5	45.5	0.04	< 0.05	1.1	92.5
SP0198 S	3.92	14.5	0.10	3.33	166	0.1	94.9	< 0.2	1.24	9250	17	4.8	107	5.2	4.8	< 0.5	26.4	< 0.5	40.4	< 0.01	< 0.05	1.1	107
SP0199 S	16.7	22.0	0.11	21.5	87	0.2	400	16.3	8.17	12300	7	6.0	515	85.6	15.8	0.6	113	< 0.5	24.8	0.07	< 0.05	2.3	341
SP0200 SA	3.15	12.0	0.08	2.08	66	0.4	64.4	3.3	0.72	19500	12	12.1	66.3	24.9	19.3	< 0.5	16.3	< 0.5	54.4	< 0.01	< 0.05	1.1	75.5
SP0201 S	3.35	16.6	0.19	3.31	145	0.3	84.5	< 0.2	1.17	13700	17	4.8	103	10.4	11.9	< 0.5	24.6	< 0.5	57.2	0.02	< 0.05	1.3	87.1
SP0202 S	3.43	13.7	< 0.05	2.79	83	0.3	88.4	2.3	0.86	17400	16	10.2	84.7	13.8	18.8	< 0.5	22.3	< 0.5	20.3	< 0.01	< 0.05	1.0	60.4
SP0203 S	3.87	10.0	0.11	3.52	83	0.5	91.6	7.4	1.04	12700	12	17.5	96.1	51.0	29.9	< 0.5	23.0	< 0.5	9.9	0.02	< 0.05	1.0	67.0
SP0204 S	11.6	33.0	0.11	14.9	177	0.5	228	23.1	5.63	3270	11	22.5	344	27.0	69.4	0.8	73.8	< 0.5	31.9	0.04	< 0.05	8.2	149
SP0205 S	13.1	25.1	0.16	16.0	154	0.3	276	18.5	5.90	4100	5	11.0	403	12.9	19.1	0.6	86.3	< 0.5	14.7	0.04	0.06	4.8	256
SP0206 S	10.1	13.1	0.13	7.73	54	0.2	281	15.2	2.13	3980	12	7.4	323	29.7	40.3	< 0.5	81.7	< 0.5	36.7	< 0.01	0.06	1.6	112
SP0207 S	4.06	17.3	0.18	2.78	124	0.5	72.9	1.7	1.03	5130	19	14.2	82.2	37.1	39.2	< 0.5	20.3	< 0.5	25.7	< 0.01	< 0.05	1.6	61.1
SP0208 S	7.04	24.3	0.31	6.26	209	0.3	176	< 0.2	1.93	10500	16	6.1	202	4.1	11.0	0.6	48.2	< 0.5	48.4	0.04	< 0.05	1.0	162
SP0209 S	3.78	18.2	0.28	3.37	98	0.5	86.4	3.0	1.25	18700	14	11.6	97.8	28.6	28.1	< 0.5	23.3	< 0.5	48.1	< 0.01	< 0.05	1.3	116
SP0210 SA	25.4	11.3	0.29	30.7	430	< 0.1	642	11.0	10.3	7610	11	10.4	825	338	28.0	0.6	183	< 0.5	5.0	0.09	< 0.05	2.6	53.4
SP0211 S	4.25	10.6	0.23	3.38	127	0.1	109	1.1	1.16	12900	12	3.0	120	9.9	32.1	< 0.5	29.5	< 0.5	62.1	< 0.01	< 0.05	1.4	60.7
SP0212 S	3.67	11.8	0.39	2.62	159	0.4	67.0	2.1	0.87	4600	23	11.2	78.0	23.4	33.8	< 0.5	19.5	< 0.5	52.5	< 0.01	< 0.05	1.6	44.7
SP0213 S	3.27	13.8	0.27	2.73	117	0.3	78.3	1.1	0.95	11900	15	9.2	83.3	13.8	22.6	< 0.5	20.0	< 0.5	39.4	< 0.01	< 0.05	1.6	73.5
SP0214 S	3.19	10.5	0.21	4.29	116	0.3	110	1.2	1.49	14800	14	8.2	128	31.0	26.1	< 0.5	31.5	< 0.5	42.0	0.02	< 0.05	1.3	68.6
SP0215 S	4.11	13.7	0.19	4.07	150	0.3	99.2	1.1	1.43	19000	19	8.7	119	23.4	28.9	< 0.5	28.9	< 0.5	35.1	0.04	< 0.05	1.9	87.2
SP0216 S	4.10	11.7	0.26	3.73	137	0.1	104	0.6	1.28	17800	23	3.7	116	10.3	16.2	< 0.5	27.9	< 0.5	69.3	0.02	< 0.05	1.4	45.7
SP0217 S	3.92	14.4	0.24	2.74	128	0.2	87.8	1.7	1.06	21700	12	8.0	98.1	11.9	19.8	< 0.5	23.7	< 0.5	25.4	< 0.01	< 0.05	1.0	51.6
SP0218 S	11.5	15.3	0.13	11.4	97	0.5	233	55.1	4.21	9780	11	12.0	282	112	47.2	0.6	63.5	< 0.5	28.5	0.04	< 0.05	2.0	225
SP0219 S	3.28	11.3	0.16	2.28	49	0.2	93.5	17.6	0.78	7080	6	8.7	88.3	25.3	31.2	< 0.5	23.5	< 0.5	20.2	< 0.01	< 0.05	1.1	76.6
SP0220 SA	3.02	8.22	0.31	1.92	117	0.1	68.4	0.2	0.60	7740	15	2.9	70.2	8.9	25.9	< 0.5	17.8	< 0.5	53.1	< 0.01	< 0.05	1.1	23.3
SP0220 SB	4.75	10.5	0.31	4.23	167	0.1	141	0.6	1.28	4880	15	2.9	155	7.2		< 0.5	38.0	< 0.5	36.4	0.02	0.06	1.1	40.3
SP0221 S	2.43	7.14	0.18	1.30	58	0.2	41.4	2.5	0.43	10200	13	11.2	40.6	15.1	29.0	< 0.5	10.4	< 0.5	39.5	< 0.01	< 0.05	0.9	25.5
SP0222 S	3.26	10.1	0.21	3.15	121	0.2	77.0	0.3	1.14	10900	13	4.5	92.5	8.3	12.4	< 0.5	21.6	< 0.5	45.1	0.04	< 0.05	1.3	66.4
SP0223 S	2.85	6.83	0.34	1.95	105	0.2	56.9	< 0.2	0.67	8510	14	3.6	63.4	8.9	13.4	< 0.5	15.3	< 0.5	36.6	< 0.01	< 0.05	1.1	51.5
SP0224 S	4.02	14.1	0.14	3.69	128	0.3	95.3	2.7	1.14	22500	17	6.1	111	14.9	18.4	< 0.5	26.9	< 0.5	45.0	< 0.01	< 0.05	1.0	58.6
SP0225 S	2.53	9.30	0.11	3.00	112	0.3	67.8	0.7	0.88	14500	14	5.2	80.6	11.8	22.3	< 0.5	19.0	< 0.5	42.0	< 0.01	< 0.05	0.9	36.3
SP0226 S	3.05	11.9	0.18	2.32	187	0.3	75.7	1.4	0.80	10100	39	8.4	79.5	7.9	27.4	< 0.5	19.8	< 0.5	20.7	< 0.01	< 0.05	0.8	28.9
SP0227 S	3.28	8.77	0.11	2.72	117	0.3	68.3	1.6	0.88	10700	12	8.6	77.4	15.2	35.4	< 0.5	18.7	< 0.5	24.3	< 0.01	< 0.05	1.3	33.7
SP0228 S	4.23	11.7	0.16	4.69	104	0.2	102	0.7	1.55	12300	8	4.0	127	10.7	13.0	< 0.5	28.6	< 0.5	28.2	< 0.01	< 0.05	0.8	79.6
SP0229 S	3.81	9.83	0.16	3.21	112	0.1	93.4	0.2	1.13	16000	14	3.9	104	18.5	25.0	< 0.5	25.5	< 0.5	64.8	< 0.01	0.06	1.0	50.5
SP0230 SA	7.08	7.36	0.47	8.55	495	0.2	151	2.2	3.31	32600	56	6.7	196	47.2	28.7	< 0.5	42.9	< 0.5	10.0	0.47	< 0.05	4.1	92.3
SP0230 SB	7.80	7.42	0.31	8.65	581	0.2	143	2.6	3.57	30200	55	7.5	189	53.6		< 0.5	41.7	< 0.5	9.0	0.48	< 0.05	5.5	89.6
SP0231 S	4.67	12.2	0.21	3.35	102	0.2	93.0	0.7	1.08	7480	13	6.1	105	11.2	19.0	< 0.5	25.2	< 0.5	47.0	< 0.01	< 0.05	0.9	52.1
SP0232 S	4.09	12.0	0.08	2.57	133	0.3	59.6	0.3	1.06	10900	14	7.7	78.1	10.0	38.0	< 0.5	18.4	< 0.5	41.9	< 0.01	< 0.05	0.9	48.3
SP0233 S	3.69	12.9	0.21	3.89	142	0.3	85.9	2.1	1.19	14600	13	9.2	103	22.9	28.8	< 0.5	25.1	< 0.5	40.6	0.02	< 0.05	1.0	75.8
SP0234 S	4.75	15.4	< 0.05	4.34	105	0.5	117	27.2	1.36	6990	8	15.6	128	94.4	44.9	< 0.5	31.7	< 0.5	40.3	0.04	< 0.05	1.4	110
SP0235 S	6.57	25.4	0.18	6.30	144	0.4	138	25.4	2.35	5700	8	19.7	185	20.7	38.2	0.6	42.0	< 0.5	40.1	< 0.01	< 0.05	2.1	114
SP0236 S	2.46	7.37	0.15	1.60	134	0.2	70.2	0.6	0.58	20800	11	7.1	71.1	6.2	12.4	< 0.5	18.0	< 0.5	43.8	< 0.01	< 0.05	1.0	34.2
SP0237 S	12.3	34.9	0.10	10.0	126	0.3	413	6.8	2.81	2320	4	13.2	384	4.4	43.9	0.7	97.1	< 0.5	30.6	0.04	0.06	0.6	255
SP0238 S	5.01	19.3	0.17	5.44	76	0.3	125	21.7	1.88	4720	7	17.0	149	26.3	33.2	< 0.5	34.8	< 0.5	30.7	0.02	< 0.05	1.8	119
SP0239 S	3.63	7.30	0.34	4.23	112	0.1	88.4	1.8	1.64	27300	12	3.9	112	7.5	17.7	< 0.5	25.5	< 0.5	31.9	0.02	< 0.05	1.0	89.2
SP0240 SA	9.47	16.4	0.10	14.4	116	0.3	166	28.2	5.72	11500	8	8.5	262	19.2	35.1	< 0.5	54.3	< 0.5	20.7	0.07	< 0.05	1.3	180
SP0240 SB	10.5	17.5	0.11	15.1	118	0.2	172	30.0	5.81	11700	8	10.0	278	17.9		0.5	57.8	< 0.5	19.6	0.06	< 0.05	1.4	179

Analyte Symbol	Ge	Hf	Hg	Ho	I	In	La	Li	Lu	Mn	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb	Sc
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	0.05	0.04	0.05	0.01	1	0.1	0.01	0.2	0.01	0.1	2	0.2	0.03	0.2	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2	0.5
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
SP0241 S	11.3	22.1	0.39	12.8	143	0.4	231	5.5	3.85	5510	9	13.1	322	68.1	20.2	0.6	69.1	< 0.5	22.9	0.02	< 0.05	2.6	191
SP0242 S	3.46	13.1	0.31	2.30	99	0.2	77.1	3.2	0.80	9170	11	11.9	80.0	22.9	24.3	< 0.5	20.1	< 0.5	49.8	0.02	< 0.05	0.9	38.6
SP0243 S	4.64	13.8	0.61	2.99	141	0.4	74.6	4.1	1.37	27600	7	18.7	92.5	8.5	47.2	0.7	23.2	< 0.5	40.0	< 0.01	< 0.05	0.7	38.7
SP0244 S	8.33	27.7	0.18	6.26	102	0.4	240	32.8	2.20	14000	9	22.9	214	26.2	48.7	0.8	56.2	< 0.5	13.4	0.02	< 0.05	1.3	183
SP0245 S	3.62	7.80	0.27	3.58	86	0.1	89.6	5.2	1.22	19400	11	6.4	106	8.2	14.9	< 0.5	24.7	< 0.5	37.4	0.02	< 0.05	0.6	93.0
SP0246 S	5.16	11.8	0.21	4.15	51	0.4	147	9.3	1.25	10500	13	9.4	127	15.1	20.8	< 0.5	31.9	< 0.5	15.8	< 0.01	< 0.05	0.8	128
SP0247 S	9.89	16.0	0.26	9.07	165	0.2	272	1.8	3.38	3920	11	7.3	313	10.5	21.6	< 0.5	73.2	< 0.5	18.8	0.06	< 0.05	1.7	80.4
SP0248 S	2.28	12.7	0.19	1.82	119	0.4	52.7	9.6	0.63	13100	17	20.1	54.4	29.2	34.9	< 0.5	13.5	< 0.5	30.3	0.02	< 0.05	1.4	35.6
SP0249 S	3.30	16.5	0.21	1.70	127	0.8	39.3	31.6	0.60	24900	16	25.5	45.0	66.4	63.7	< 0.5	10.9	< 0.5	56.1	< 0.01	< 0.05	0.9	44.5
SP0250 SA	2.59	9.94	0.19	1.43	98	0.3	46.7	9.4	0.54	27800	15	12.3	49.8	21.3	28.5	< 0.5	12.0	< 0.5	32.6	0.02	< 0.05	2.4	43.5
SP0250 SB	2.49	9.25	0.45	1.34	90	0.2	46.6	5.5	0.48	23600	15	10.5	47.6	17.7		< 0.5	11.6	< 0.5	29.2	0.04	< 0.05	2.9	39.9
SP0251 S	13.1	17.8	1.89	11.8	246	0.4	282	49.0	4.57	19900	12	20.5	340	19.4	40.5	0.7	80.9	< 0.5	37.2	0.04	< 0.05	2.1	172
SP0252 S	3.74	18.4	0.20	2.79	136	0.3	78.6	4.5	1.02	10700	11	10.9	82.3	24.9	24.2	< 0.5	20.6	< 0.5	46.9	0.02	< 0.05	1.5	49.2
SP0253 S	5.09	11.1	0.15	3.47	41	0.3	187	15.6	1.15	45500	8	12.4	137	27.0	24.7	< 0.5	36.7	< 0.5	10.8	0.02	< 0.05	1.4	162
SP0254 S	3.94	6.35	0.24	6.90	104	0.2	96.6	2.6	2.64	8410	6	2.2	144	18.6	18.5	< 0.5	29.7	< 0.5	69.4	0.02	< 0.05	2.4	181
SP0255 S	20.3	36.7	0.20	18.8	95	0.6	503	42.6	6.33	6520	11	28.3	594	26.1	58.0	1.0	142	< 0.5	46.9	0.09	< 0.05	1.6	227
SP0256 S	2.44	12.4	0.15	1.58	120	0.3	52.8	4.8	0.63	22100	15	13.8	53.4	9.5	22.5	< 0.5	13.6	< 0.5	41.3	< 0.01	< 0.05	1.0	27.0
SP0257 S	6.90	14.6	0.07	7.86	95	0.3	151	7.6	2.62	14900	8	7.7	196	26.3	18.5	< 0.5	42.8	< 0.5	15.7	0.02	< 0.05	2.5	194
SP0258 S	3.59	14.5	0.11	2.58	149	0.2	74.6	1.4	1.02	26900	12	8.7	89.2	8.0	13.6	< 0.5	21.1	< 0.5	40.5	< 0.01	< 0.05	1.4	42.6
SP0259 S	2.90	6.78	0.22	2.88	114	0.2	73.7	0.4	1.19	6330	11	3.3	86.4	5.0	7.4	< 0.5	21.0	< 0.5	17.3	< 0.01	< 0.05	1.4	49.6
SP0260 SA	3.48	10.7	0.37	3.14	133	0.4	86.5	0.8	0.99	17900	15	6.1	90.7	25.9	34.9	< 0.5	22.2	< 0.5	56.4	0.02	< 0.05	1.0	39.8
SP0260 SB	3.30	12.4	0.24	3.80	150	0.5	103	0.8	1.15	16700	15	6.8	110	25.0		< 0.5	26.6	< 0.5	55.1	0.06	< 0.05	1.1	39.7
SP0261 S	4.73	12.3	0.39	3.04	183	0.3	96.4	0.4	1.00	23500	16	7.4	102	13.3	24.2	< 0.5	25.0	< 0.5	59.7	0.02	< 0.05	1.0	45.3
SP0262 S	4.55	10.7	0.20	3.72	151	0.2	109	0.9	1.39	3630	16	3.4	126	4.8	16.9	< 0.5	31.3	< 0.5	43.4	0.02	< 0.05	0.8	62.4
SP0263 S	14.4	12.2	< 0.05	15.2	201	< 0.1	393	2.4	6.26	2060	17	3.9	470	14.9	6.4	0.5	109	< 0.5	5.9	0.16	< 0.05	2.1	149
SP0264 S	5.48	10.4	0.19	4.98	172	0.2	134	1.4	1.67	8710	17	4.3	159	14.9	11.2	< 0.5	37.6	< 0.5	36.6	< 0.01	< 0.05	0.9	105
SP0110SA	1.82	5.34	0.15	1.06	106	0.1	46.4	0.9	0.39	9950	22	7.3	45.3	3.1	34.5	< 0.5	11.3	< 0.5	75.0	< 0.01	< 0.05	1.0	17.1

Analyte Symbol	Se	Sm	Sr	Ta	Tb	Te	Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	1	0.03	0.1	0.01	0.01	1	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2	0.5
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
SP0042 SA	12	13.8	1140	0.39	2.16	< 1	22.8	0.3	0.73	15.8	165	2.16	55.2	4.85	1110	250
SP0043 S	10	24.1	735	0.50	3.64	< 1	40.2	0.6	1.36	25.4	215	2.69	97.4	8.49	595	612
SP0044 S	< 1	16.8	968	0.50	2.63	< 1	28.6	0.7	0.97	19.9	207	2.46	64.9	5.62	339	466
SP0045 S	22	26.5	1030	0.58	3.86	< 1	29.9	0.3	1.36	26.2	211	2.93	109	8.86	418	435
SP0046 S	43	59.4	2440	0.65	9.22	< 1	35.1	0.3	2.98	33.4	417	1.81	239	18.1	373	429
SP0047 S	15	28.2	237	0.34	4.18	< 1	20.6	1.3	1.60	26.3	182	2.83	115	9.84	123	439
SP0048 S	76	92.5	2390	0.65	14.1	< 1	50.4	0.4	5.11	38.1	685	3.47	402	32.0	403	808
SP0049 S	205	338	3200	0.30	54.0	< 1	69.8	0.8	20.2	7.41	323	2.58	1690	125	134	348
SP0050 SA	14	12.2	753	0.60	1.68	< 1	12.1	0.7	0.52	15.5	68	1.90	47.1	3.77	542	215
SP0051 S	14	15.4	575	0.56	2.07	< 1	16.5	1.2	0.69	14.0	154	3.37	53.9	4.80	778	264
SP0052 S	32	40.4	2050	0.39	6.17	< 1	36.9	17.2	2.29	34.4	518	2.88	179	14.5	751	667
SP0053 S	19	30.6	1540	0.54	4.73	< 1	38.3	1.3	1.60	24.8	209	2.71	127	10.4	191	636
SP0054 S	53	71.1	1020	0.56	11.0	< 1	45.3	1.0	4.35	28.0	320	2.95	376	25.3	713	709
SP0055 S	13	20.8	1970	0.39	3.47	< 1	25.7	0.9	1.14	20.3	104	2.97	97.5	7.35	791	287
SP0056 S	106	117	2030	0.67	17.4	< 1	63.4	1.8	6.46	47.9	378	3.22	587	41.6	309	622
SP0057 S	126	87.5	5570	0.15	14.5	< 1	12.2	0.6	6.28	37.9	377	3.49	659	42.4	126	182
SP0058 S	13	26.5	1850	0.39	4.14	< 1	29.1	1.1	1.59	16.1	121	2.15	119	9.76	467	429
SP0059 S	5	18.1	590	0.52	2.47	< 1	20.1	1.0	0.75	19.1	124	2.82	64.8	4.93	158	335
SP0060 SA	13	15.2	2800	0.41	2.54	< 1	26.4	0.5	0.89	13.4	178	2.37	71.0	5.97	1780	309
SP0061 S	9	9.12	430	0.82	1.23	< 1	13.6	1.1	0.47	9.63	101	2.71	35.1	2.65	370	212
SP0062 S	17	24.7	2730	0.28	3.94	< 1	24.4	0.9	1.34	20.4	175	1.54	111	8.54	184	395
SP0063 S	12	19.6	445	0.37	2.60	< 1	15.0	2.6	0.73	23.0	108	2.04	66.4	4.88	34	288
SP0064 S	14	11.6	1770	0.37	1.99	< 1	23.5	0.6	0.69	15.4	133	2.20	53.1	4.30	794	342
SP0065 S	53	84.7	3210	0.54	12.9	< 1	76.6	0.6	4.21	26.4	229	1.86	315	25.2	353	892
SP0066 S	14	13.7	2590	0.47	2.05	< 1	24.2	0.5	0.71	17.3	109	2.77	60.3	4.71	384	361
SP0067 S	17	27.9	2830	0.19	4.19	< 1	22.3	0.8	1.36	22.1	83	1.72	116	8.62	255	343
SP0068 S	9	23.9	1510	0.39	3.70	< 1	29.8	0.5	1.21	18.4	110	2.01	101	8.10	242	494
SP0069 S	8	12.2	988	0.49	1.76	< 1	21.6	0.9	0.54	19.1	64	2.88	46.3	3.55	423	360
SP0070 SA	127	244	3910	0.41	34.4	< 1	138	< 0.2	11.9	55.5	207	1.96	930	73.6	536	322
SP0071 S	100	164	1860	0.16	24.3	< 1	39.9	< 0.2	8.71	27.9	238	1.45	851	51.5	185	332
SP0072 S	60	102	3010	0.33	15.2	< 1	53.5	0.3	5.63	27.3	138	1.93	465	37.0	785	241
SP0073 S	68	95.9	2370	0.36	14.8	< 1	40.7	0.5	5.50	26.2	256	1.74	472	36.4	882	461
SP0074 S	16	14.1	804	0.77	2.00	< 1	24.5	0.6	0.65	14.7	116	2.26	52.1	4.21	879	327
SP0075 S	24	15.7	501	0.37	2.32	< 1	15.1	1.1	0.82	13.3	100	2.28	62.7	5.22	387	294
SP0076 S	17	33.1	2090	0.37	5.33	< 1	36.7	0.7	1.77	21.2	129	2.13	144	11.3	365	464
SP0077 S	39	74.9	3630	0.26	12.4	< 1	42.4	0.3	3.79	21.8	207	1.44	326	23.4	1780	269
SP0078 S	17	20.5	6390	0.37	3.37	< 1	42.9	0.5	1.10	60.4	140	2.85	76.7	6.41	2080	655
SP0079 S	14	22.1	2270	0.48	3.50	< 1	37.7	0.3	1.12	25.8	183	1.99	87.6	6.69	227	505
SP0080 SA	3	12.0	263	0.95	1.75	< 1	29.4	0.6	0.63	12.4	106	2.05	46.0	3.96	684	449
SP0081 S	11	26.7	2880	0.28	4.24	< 1	23.5	0.3	1.36	14.8	90	1.21	106	8.35	183	295
SP0082 S	35	32.9	2690	0.48	4.75	< 1	59.3	< 0.2	1.34	21.7	218	2.48	118	8.51	220	874
SP0083 S	42	66.5	3290	0.47	9.85	< 1	55.3	0.3	2.97	31.0	248	1.55	239	19.4	250	488
SP0084 S	25	32.2	6520	0.37	5.37	< 1	44.0	0.2	1.70	26.3	205	2.05	128	10.4	465	503
SP0085 S	14	20.8	1800	0.65	3.31	< 1	50.8	1.1	1.00	28.9	220	3.83	73.0	6.28	159	793
SP0086 S	23	31.7	1250	0.37	4.45	< 1	20.0	1.1	1.24	21.3	117	2.17	109	8.05	385	305
SP0087 S	6	11.7	490	0.39	1.75	< 1	14.6	1.1	0.62	19.5	163	2.33	47.4	4.16	78	269
SP0088 S	14	17.2	2070	0.30	3.17	< 1	21.2	0.3	0.95	14.9	156	2.21	80.9	6.03	380	390
SP0089 S	8	14.9	883	0.63	2.37	< 1	23.9	0.5	0.80	14.9	111	2.16	70.1	5.76	614	372
SP0090 SA	92	40.9	4070	0.11	8.70	< 1	10.2	0.6	5.24	18.6	269	3.48	511	35.6	272	182
SP0091 S	30	37.4	5650	0.37	5.59	< 1	39.7	0.4	1.81	24.1	138	2.11	145	11.4	556	542

Analyte Symbol	Se	Sm	Sr	Ta	Tb	Te	Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	1	0.03	0.1	0.01	0.01	1	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2	0.5
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
SP0092 S	27	58.1	1960	0.45	8.83	< 1	28.0	0.3	3.51	19.5	199	1.74	317	22.2	428	409
SP0093 S	38	42.6	6660	0.24	6.39	< 1	34.0	0.3	2.41	24.5	238	2.07	191	15.8	578	275
SP0094 S	11	6.86	2420	0.49	1.05	< 1	23.0	0.3	0.36	11.2	51	2.21	28.0	2.37	755	300
SP0095 S	28	37.5	4060	0.24	5.69	< 1	39.2	0.6	1.81	21.1	125	2.26	146	10.8	678	450
SP0096 S	26	26.8	4790	0.60	3.89	< 1	29.4	0.3	1.45	14.0	52	3.46	123	9.72	424	204
SP0097 S	9	16.1	7100	0.30	2.46	< 1	25.0	0.3	0.97	71.2	150	1.59	72.4	5.73	194	201
SP0098 S	76	13.9	19000	0.07	2.67	< 1	6.14	0.5	1.49	33.9	536	4.01	111	10.5	467	90.0
SP0099 S	37	48.8	1720	0.56	7.20	< 1	47.0	0.5	2.26	33.5	269	3.15	200	13.7	339	957
SP0100 SA	95	134	3920	0.21	23.7	< 1	29.5	1.7	11.3	15.0	646	2.55	995	75.3	263	424
SP0101 S	15	23.9	1490	0.54	3.81	< 1	40.5	0.3	1.45	19.5	96	2.16	102	8.22	455	613
SP0102 S	21	38.8	5430	0.41	5.45	< 1	42.6	0.5	1.80	25.5	220	1.68	141	12.0	98	454
SP0103 S	126	157	3960	0.33	26.5	< 1	35.1	0.5	11.2	36.5	368	2.41	1030	74.5	312	696
SP0104 S	9	8.12	579	0.71	1.47	< 1	25.1	0.5	0.50	12.7	151	2.20	33.3	3.38	214	284
SP0105 S	16	14.0	1570	0.58	2.20	< 1	23.1	0.6	0.74	18.3	84	1.90	61.1	4.84	844	308
SP0106 S	7	17.2	721	0.34	2.41	< 1	9.52	1.0	0.84	18.8	123	2.58	73.2	5.51	367	207
SP0107 S	78	126	1670	0.22	19.6	< 1	34.9	0.8	7.05	36.6	369	2.39	569	44.3	112	634
SP0108 S	20	5.66	714	0.56	0.86	< 1	9.98	0.7	0.30	10.1	67	1.71	23.6	1.79	242	156
SP0109 S	25	27.3	2160	0.39	5.41	< 1	54.7	0.6	1.75	22.4	298	2.75	116	10.3	350	881
SP0110 SB	7	10.6	280	0.47	1.50	< 1	11.5	1.1	0.52	15.2	133	2.93	37.6	3.21	75	203
SP0112 S	16	18.0	1620	0.67	2.53	< 1	24.1	0.4	0.77	19.2	86	2.36	66.2	5.35	164	380
SP0113 S	61	84.1	2300	0.50	13.0	< 1	50.7	0.3	4.77	29.5	237	2.51	381	29.6	321	692
SP0114 S	< 1	20.6	2170	0.45	3.27	< 1	42.4	0.3	1.06	19.3	98	2.47	80.4	6.54	355	443
SP0115 S	8	20.1	2570	0.57	3.19	< 1	43.9	0.3	0.96	19.5	89	2.73	75.0	5.98	592	531
SP0116 S	17	41.2	1980	0.37	5.92	< 1	37.6	0.2	1.62	11.8	122	1.83	140	10.1	462	262
SP0117 S	152	260	1900	0.49	37.8	< 1	65.9	0.2	14.3	23.9	482	3.29	1210	95.2	403	467
SP0118 S	230	316	1990	0.30	49.0	< 1	72.0	< 0.2	17.6	33.5	264	1.80	1650	113	739	442
SP0119 S	25	35.0	2460	0.43	4.71	< 1	34.0	< 0.2	1.38	18.5	176	1.60	124	8.64	420	304
SP0120 SB	11	18.3	1090	0.73	2.62	< 1	28.9	0.7	0.93	21.7	103	2.28	75.6	5.83	210	538
SP0120 SA	16	20.8	1110	0.82	2.91	< 1	32.3	0.7	0.97	20.9	101	2.37	79.2	6.84	306	547
SP0122 S	45	50.7	11500	0.32	7.60	< 1	35.0	0.4	2.97	14.7	159	2.33	236	19.5	291	349
SP0123 S	107	166	2100	0.21	33.0	< 1	23.3	0.3	14.3	16.9	612	1.68	1360	97.0	771	404
SP0124 S	24	19.4	2310	0.50	3.29	< 1	37.4	0.2	1.08	21.5	280	2.50	78.4	6.79	242	608
SP0125 S	40	61.4	4010	0.26	9.00	< 1	26.2	0.6	3.15	24.1	113	1.68	252	20.4	203	382
SP0126 S	5	11.8	2520	0.82	1.92	< 1	29.8	< 0.2	0.71	20.4	90	1.82	52.5	4.46	1690	430
SP0127 S	17	27.8	1690	0.09	4.03	< 1	10.0	1.0	1.21	13.6	87	2.46	115	8.23	140	128
SP0128 S	9	8.12	2340	0.43	1.40	< 1	27.9	< 0.2	0.41	13.1	60	2.22	35.2	2.87	402	202
SP0129 S	12	11.6	1830	0.56	1.70	< 1	23.6	0.3	0.62	13.9	120	1.57	47.5	3.96	185	380
SP0130 SB	87	158	2510	0.50	24.5	< 1	70.9	0.5	8.12	33.8	240	1.75	686	50.1	526	337
SP0130 SA	79	127	2230	0.41	19.6	< 1	59.7	0.4	6.46	26.9	185	1.34	541	40.9	497	282
SP0132 S	5	26.2	4490	0.28	4.31	< 1	32.4	< 0.2	1.67	20.6	370	1.90	118	10.3	123	325
SP0133 S	127	181	2480	0.09	27.6	< 1	32.9	< 0.2	8.86	31.9	205	2.51	878	56.7	45	89.8
SP0134 S	5	15.4	1760	0.60	2.24	< 1	33.8	0.3	0.79	15.8	90	2.15	58.8	4.97	1530	444
SP0135 S	93	130	1950	0.56	21.2	< 1	62.3	< 0.2	6.79	27.1	257	1.62	556	45.0	240	609
SP0136 S	36	37.3	2140	0.45	5.61	< 1	26.5	0.2	1.68	17.8	172	1.37	145	10.5	317	308
SP0137 S	9	12.5	2610	0.41	2.02	< 1	25.7	< 0.2	0.65	22.2	146	1.65	52.2	4.56	493	362
SP0138 S	81	125	6750	0.32	20.0	< 1	62.1	0.2	7.17	21.1	305	2.13	556	44.2	433	521
SP0139 S	43	83.1	5340	0.13	12.8	< 1	35.6	0.3	4.44	32.9	228	1.57	394	29.2	419	410
SP0140 SB	45	36.5	5810	0.26	5.74	< 1	35.1	0.3	1.93	22.9	251	2.78	155	11.8	322	461
SP0140 SA	28	34.8	6020	0.26	5.54	< 1	34.6	0.3	1.86	22.6	253	2.50	154	11.5	299	442
SP0142 S	11	15.2	769	0.19	2.25	< 1	8.49	1.7	0.80	16.3	84	2.51	67.8	5.03	47	142

Analyte Symbol	Se	Sm	Sr	Ta	Tb	Te	Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	1	0.03	0.1	0.01	0.01	1	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2	0.5
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
SP0143 S	48	68.8	1510	0.14	9.92	< 1	21.7	0.9	3.25	33.8	135	3.55	282	19.5	321	237
SP0144 S	85	112	8670	0.15	19.0	< 1	22.5	0.3	8.39	23.1	222	1.53	779	55.6	292	250
SP0145 S	32	22.9	3440	0.15	3.23	< 1	9.77	0.7	1.14	19.9	136	2.30	93.8	7.62	164	219
SP0146 S	83	58.3	4760	0.22	8.68	< 1	22.4	0.3	3.40	22.5	248	2.93	304	23.2	203	373
SP0147 S	32	61.5	4200	0.34	9.91	< 1	34.1	0.3	3.14	19.4	191	1.50	275	19.4	1320	445
SP0148 S	26	22.8	691	0.48	2.86	< 1	12.1	0.5	0.98	23.2	36	2.15	76.8	6.79	514	216
SP0149 S	63	107	4930	0.26	16.6	< 1	43.0	0.4	4.86	27.2	299	1.72	477	29.5	2330	413
SP0150 SB	51	87.2	12400	0.19	14.1	< 1	41.5	0.3	4.98	33.1	218	1.90	413	32.6	223	549
SP0150 SA	65	90.0	11700	0.19	14.9	1	40.2	0.2	5.32	35.7	229	1.70	434	33.1	186	566
SP0152 S	15	31.0	3610	0.22	5.07	< 1	34.6	0.6	1.76	27.6	145	2.11	146	11.8	267	465
SP0153 S	137	151	9300	0.11	25.0	< 1	38.0	0.2	9.41	29.8	139	2.40	835	57.1	118	330
SP0154 S	36	59.2	3500	0.43	8.05	< 1	64.5	0.5	2.53	34.5	160	2.22	211	16.1	549	577
SP0155 S	43	108	4160	0.36	16.1	< 1	54.9	0.5	5.78	37.0	174	2.15	495	34.8	533	668
SP0156 S	62	80.9	4280	0.15	12.7	< 1	42.2	< 0.2	4.09	34.8	195	2.41	353	26.9	164	437
SP0157 S	73	86.8	7600	0.13	13.5	< 1	36.4	0.3	4.99	37.2	173	1.23	419	31.8	231	494
SP0158 S	110	160	6540	0.20	26.0	< 1	62.5	0.3	9.69	37.5	252	1.93	810	61.1	233	801
SP0159 S	22	61.4	6050	0.17	9.99	< 1	44.2	0.2	3.34	30.5	162	2.40	270	20.8	268	577
SP0160 SB	122	190	5630	0.15	32.1	< 1	60.8	< 0.2	14.1	40.2	366	1.12	1230	92.9	201	309
SP0160 SA	128	214	5650	0.13	35.8	< 1	66.1	< 0.2	16.4	44.3	414	1.25	1370	107	257	354
SP0162 S	57	94.5	16100	0.13	14.3	< 1	37.0	< 0.2	5.15	36.0	139	2.23	451	31.8	161	447
SP0163 S	31	37.2	2480	0.11	5.45	< 1	16.7	0.8	2.00	15.0	130	2.86	170	12.9	41	145
SP0164 S	24	34.5	3180	0.09	4.99	< 1	11.5	1.0	1.64	20.1	107	1.90	154	10.7	48	128
SP0165 S	27	35.8	5160	0.20	5.84	< 1	28.6	< 0.2	2.10	24.6	140	1.63	178	13.8	248	367
SP0166 S	139	238	3850	0.15	41.3	< 1	49.9	0.2	18.0	50.9	355	1.72	1520	119	174	539
SP0167 S	4	37.9	2270	0.32	6.33	< 1	45.5	0.2	2.15	16.0	131	1.44	170	12.7	432	271
SP0168 S	17	15.1	4610	0.33	2.09	< 1	24.0	0.5	0.83	15.1	185	1.70	60.0	5.07	153	357
SP0169 S	14	14.4	694	0.49	2.04	< 1	21.6	1.0	0.58	15.7	83	2.72	48.4	4.12	337	416
SP0170 SB	15	50.4	4630	0.32	7.65	< 1	44.8	0.7	2.44	31.5	153	2.10	201	15.7	218	718
SP0170 SB	19	36.3	4290	0.32	5.06	< 1	37.5	0.6	1.71	26.4	129	1.95	140	11.0	233	583
SP0172 S	48	67.1	5160	0.03	11.9	1	19.0	0.3	5.59	8.12	258	1.77	454	37.8	79	143
SP0173 S	121	168	4700	0.41	25.1	< 1	95.5	0.4	8.65	47.9	265	3.03	706	54.5	730	1080
SP0174 S	216	344	2510	0.27	56.6	< 1	67.9	0.2	20.9	32.5	213	3.06	1770	132	500	593
SP0175 S	32	64.9	5520	0.17	10.6	< 1	51.3	0.4	3.29	36.1	185	3.81	259	21.4	781	805
SP0176 S	24	35.8	3740	0.37	5.93	< 1	36.0	0.5	2.17	25.2	262	2.92	162	12.8	615	575
SP0177 S	16	26.2	839	0.37	3.48	< 1	18.4	0.9	1.25	21.3	200	3.05	97.8	7.65	120	320
SP0179 S	83	22.3	4970	0.07	4.17	< 1	7.24	0.4	2.30	23.8	934	6.01	200	16.2	78	122
SP0180 SA	17	33.2	2540	0.34	4.75	< 1	46.2	0.3	1.46	23.2	205	3.10	123	9.12	158	724
SP0181 S	24	9.18	1210	0.48	1.53	< 1	20.2	1.2	0.50	13.5	329	3.57	40.5	3.29	177	282
SP0182 S	34	29.8	826	0.44	4.47	< 1	32.2	0.9	1.64	27.2	220	2.52	122	10.7	328	644
SP0183 S	22	21.3	1390	0.39	3.33	< 1	31.4	0.3	1.10	25.0	340	2.55	80.8	6.15	160	402
SP0184 S	34	44.8	1380	0.51	6.87	< 1	37.9	0.6	2.38	31.0	266	2.81	221	15.6	236	667
SP0185 S	6	27.2	704	0.44	3.97	< 1	29.8	0.6	1.53	28.8	173	2.77	126	10.0	168	572
SP0186 S	20	33.3	819	0.42	5.08	< 1	26.9	0.6	1.87	28.5	192	2.67	145	11.9	95	509
SP0187 S	12	16.7	890	0.38	2.64	< 1	8.17	0.4	0.87	16.5	132	1.27	81.2	5.60	99	288
SP0188 S	47	61.5	2270	0.44	8.53	< 1	26.4	0.3	3.07	30.5	65	1.15	211	19.8	703	518
SP0189 S	53	87.0	2550	0.37	13.3	< 1	43.6	0.3	4.86	28.6	63	1.63	374	32.1	523	620
SP0190 SA	6	17.3	1430	0.49	2.60	< 1	26.0	0.4	0.87	22.0	155	1.85	65.3	5.27	117	391
SP0191 S	21	16.8	954	0.59	2.49	< 1	28.1	0.5	0.86	26.5	237	2.47	65.5	5.38	191	439
SP0192 S	33	21.0	1480	0.39	3.18	< 1	26.0	0.2	1.08	22.7	197	1.71	89.1	6.65	96	309
SP0193 S	14	20.4	697	0.52	3.20	< 1	37.3	0.6	1.17	29.4	273	3.22	81.3	7.45	106	621

Analyte Symbol	Se	Sm	Sr	Ta	Tb	Te	Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	1	0.03	0.1	0.01	0.01	1	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2	0.5
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
SP0194 S	103	116	2490	0.73	18.0	< 1	63.6	0.5	6.82	46.0	1120	4.60	562	43.7	396	1020
SP0195 S	34	31.2	473	0.64	4.70	< 1	48.4	0.8	1.83	31.2	326	3.32	126	11.8	137	1010
SP0196 S	122	159	2980	0.59	23.7	1	72.6	0.4	8.93	95.2	1210	3.19	801	55.8	86	1080
SP0197 S	21	45.3	642	0.46	6.45	< 1	47.2	0.6	2.24	29.6	224	3.45	162	13.6	67	517
SP0198 S	23	24.7	635	0.27	3.48	< 1	18.4	1.2	1.25	27.7	167	2.10	99.3	8.37	55	474
SP0199 S	91	128	3260	0.29	20.2	< 1	32.8	0.7	7.99	57.2	523	2.46	813	53.9	158	671
SP0200 SA	25	15.2	809	0.62	2.13	< 1	25.4	0.6	0.76	19.2	241	2.00	56.0	4.97	186	317
SP0201 S	7	23.9	360	0.27	3.53	< 1	26.2	1.2	1.35	32.4	165	1.94	92.5	8.32	55	469
SP0202 S	16	19.4	1160	0.41	2.89	< 1	25.5	0.4	0.95	24.7	121	1.78	77.1	6.03	232	398
SP0203 S	8	24.5	1570	0.51	3.90	< 1	20.9	0.2	1.19	15.6	176	1.19	94.3	8.05	163	270
SP0204 S	91	93.9	3760	0.56	14.9	< 1	38.1	0.3	5.56	28.8	105	1.82	457	38.8	1340	1070
SP0205 S	57	115	2860	0.39	17.2	< 1	43.2	0.2	5.90	46.0	63	1.23	490	39.5	406	857
SP0206 S	29	69.5	2920	0.24	8.75	< 1	76.6	0.6	2.58	21.6	186	1.70	219	16.9	250	394
SP0207 S	10	18.6	667	0.63	2.91	< 1	37.1	0.3	1.10	21.3	244	2.89	75.2	6.88	54	495
SP0208 S	38	46.8	763	0.31	6.79	< 1	37.6	1.2	2.36	37.4	164	2.39	182	14.5	53	758
SP0209 S	16	22.4	422	0.46	3.56	< 1	35.3	0.7	1.40	20.1	228	2.48	93.7	8.34	206	556
SP0210 SA	142	201	2380	0.24	29.8	< 1	95.1	0.3	11.3	11.5	1010	3.67	947	73.1	38	613
SP0211 S	17	25.6	399	0.18	3.56	< 1	20.5	1.4	1.21	24.3	129	1.88	98.6	8.04	152	327
SP0212 S	26	18.9	457	0.47	2.70	< 1	31.8	0.5	0.95	20.0	269	2.25	69.2	5.88	96	348
SP0213 S	13	17.7	947	0.31	2.71	< 1	27.8	0.8	0.95	21.2	233	1.80	76.7	6.58	97	415
SP0214 S	21	30.3	354	0.43	4.49	< 1	27.5	0.6	1.51	19.5	187	2.33	121	9.82	152	343
SP0215 S	29	28.5	556	0.39	4.25	1	31.5	0.8	1.56	25.3	180	3.58	116	9.27	148	444
SP0216 S	13	26.9	442	0.20	3.95	< 1	22.4	1.1	1.37	24.7	97	2.71	112	8.56	104	354
SP0217 S	8	21.8	989	0.37	2.91	< 1	26.7	0.7	0.99	27.1	90	2.50	82.9	6.68	288	407
SP0218 S	26	70.7	3590	0.33	11.6	< 1	37.6	0.3	4.41	23.9	514	1.80	341	28.0	752	484
SP0219 S	5	19.4	3850	0.25	2.58	< 1	45.9	0.3	0.78	14.3	99	1.02	69.2	4.92	421	329
SP0220 SA	< 1	15.9	212	0.16	2.16	< 1	19.2	0.6	0.67	17.5	60	1.58	55.0	4.08	59	231
SP0220 SB	30	33.0	215	0.14	4.69	< 1	28.0	0.9	1.45	25.8	88	2.38	123	8.97	210	326
SP0221 S	5	9.73	618	0.43	1.39	< 1	17.3	0.4	0.45	10.5	141	1.73	36.0	2.77	60	187
SP0222 S	26	22.1	299	0.26	3.26	1	23.2	0.8	1.16	23.8	151	2.53	85.3	7.40	89	319
SP0223 S	9	14.1	423	0.20	2.08	< 1	13.1	0.8	0.78	17.1	159	1.64	56.7	4.80	113	205
SP0224 S	18	25.2	513	0.31	3.85	< 1	30.8	1.1	1.28	27.6	116	2.63	107	8.01	236	414
SP0225 S	19	19.5	364	0.31	3.00	< 1	21.5	0.6	0.95	21.3	109	2.46	86.2	6.37	165	265
SP0226 S	9	18.0	226	0.51	2.68	< 1	30.2	0.5	0.78	16.9	66	2.01	63.5	4.74	159	356
SP0227 S	9	18.4	583	0.43	2.91	< 1	21.5	0.5	0.99	16.2	72	1.45	74.4	6.15	159	252
SP0228 S	31	33.7	661	0.24	4.84	< 1	21.0	0.6	1.73	25.5	117	1.94	147	11.1	64	324
SP0229 S	2	23.2	403	0.22	3.58	< 1	22.9	0.7	1.24	24.7	99	1.93	95.8	7.46	266	269
SP0230 SA	89	49.2	1330	0.20	7.75	1	17.4	0.6	3.28	56.3	801	5.90	342	21.6	213	241
SP0230 SB	91	49.5	1230	0.25	7.97	1	14.3	0.5	3.70	72.6	972	7.07	378	24.0	91	234
SP0231 S	18	23.7	932	0.33	3.65	< 1	28.3	0.5	1.30	19.9	206	1.88	92.9	7.80	55	344
SP0232 S	28	18.5	353	0.41	2.55	< 1	20.8	0.7	0.95	18.5	124	2.68	73.2	6.76	66	354
SP0233 S	15	25.8	534	0.45	3.67	< 1	30.4	0.5	1.30	20.9	184	2.31	98.4	8.94	217	400
SP0234 S	15	30.0	2070	0.35	4.57	< 1	23.1	0.4	1.68	19.0	246	1.42	112	10.2	348	415
SP0235 S	15	46.8	2630	0.43	6.80	< 1	24.5	0.5	2.38	33.2	66	1.62	172	15.7	526	763
SP0236 S	3	15.9	462	0.33	1.83	< 1	12.0	1.1	0.62	17.7	102	3.08	53.7	4.03	281	225
SP0237 S	50	84.3	4940	0.26	11.4	1	58.3	1.6	3.67	66.1	74	1.94	317	22.8	138	789
SP0238 S	31	38.1	2750	0.53	5.83	< 1	31.4	0.4	1.93	19.9	114	1.09	153	13.3	558	570
SP0239 S	30	28.7	1460	0.24	4.38	< 1	14.7	0.8	1.64	17.9	39	1.20	133	11.5	519	224
SP0240 SA	64	83.6	3890	0.41	15.2	< 1	35.1	0.2	5.48	27.2	95	1.02	470	36.8	388	514
SP0240 SB	57	87.9	3960	0.41	16.1	< 1	36.6	< 0.2	5.61	28.7	94	1.23	485	38.4	380	557

Analyte Symbol	Se	Sm	Sr	Ta	Tb	Te	Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	1	0.03	0.1	0.01	0.01	1	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2	0.5
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
SP0241 S	76	108	1510	0.47	15.8	< 1	41.4	0.4	4.17	36.0	36	1.94	396	26.1	173	695
SP0242 S	12	18.2	733	0.41	2.53	< 1	20.2	0.8	0.87	24.5	144	2.16	67.8	5.46	206	366
SP0243 S	11	20.5	534	0.78	3.10	< 1	41.9	0.6	1.30	16.9	58	3.11	89.0	8.95	694	442
SP0244 S	32	45.6	6910	0.31	6.39	< 1	38.8	0.5	2.29	42.7	240	2.93	176	15.3	226	921
SP0245 S	16	24.8	3430	0.14	3.42	< 1	17.2	0.6	1.34	18.9	129	2.70	111	9.09	357	232
SP0246 S	28	28.6	5520	0.35	4.38	< 1	41.5	0.2	1.53	23.5	195	1.66	119	9.10	237	313
SP0247 S	53	71.5	1210	0.25	9.35	< 1	29.2	0.7	3.42	41.0	223	4.17	340	22.9	107	496
SP0248 S	19	13.4	872	0.55	1.93	< 1	22.4	0.6	0.67	16.3	295	2.23	48.3	4.12	112	360
SP0249 S	< 1	11.5	1160	0.67	1.73	< 1	19.8	0.5	0.58	18.5	253	2.32	41.0	4.16	752	503
SP0250 SA	11	11.5	1550	0.41	1.60	< 1	22.6	0.6	0.54	16.1	150	1.37	42.4	3.20	698	277
SP0250 SB	7	11.0	1490	0.41	1.41	< 1	21.9	0.8	0.56	16.6	123	1.39	39.3	3.49	540	260
SP0251 S	43	75.9	2540	0.24	11.3	< 1	46.3	0.5	4.72	40.1	174	5.19	334	31.3	330	556
SP0252 S	22	19.2	1280	0.31	2.94	1	31.2	0.7	1.13	23.2	134	1.88	90.3	7.49	127	514
SP0253 S	23	26.3	4510	0.37	3.99	< 1	35.3	0.3	1.30	15.0	102	2.23	104	8.36	785	310
SP0254 S	28	40.5	2540	0.12	6.57	< 1	16.7	0.7	2.62	14.4	148	1.00	205	17.2	289	195
SP0255 S	65	138	2320	0.54	19.8	< 1	85.8	0.5	6.88	56.6	196	2.15	551	44.8	1040	1060
SP0256 S	7	12.6	751	0.75	1.70	< 1	23.5	0.6	0.56	15.8	55	2.64	47.5	4.20	691	341
SP0257 S	43	65.7	1730	0.35	8.74	< 1	29.9	0.3	2.99	30.6	68	1.23	223	18.0	473	480
SP0258 S	5	20.9	522	0.48	2.77	< 1	25.4	0.7	1.04	23.5	76	2.21	76.6	6.73	200	426
SP0259 S	29	22.3	1120	0.14	2.97	< 1	13.8	0.4	1.02	14.4	121	1.25	91.4	7.30	64	204
SP0260 SA	6	21.5	746	0.35	3.16	< 1	26.7	0.7	1.08	21.9	136	1.47	86.6	6.79	462	305
SP0260 SB	23	25.8	701	0.47	4.06	< 1	29.8	0.6	1.30	24.5	146	1.57	99.5	8.05	321	360
SP0261 S	13	23.6	571	0.41	3.41	< 1	27.9	0.8	1.13	23.4	147	2.21	88.1	7.44	81	359
SP0262 S	35	29.1	449	0.19	3.92	< 1	19.1	1.1	1.38	28.2	163	2.15	112	9.07	37	327
SP0263 S	83	108	1700	0.22	15.2	< 1	18.0	0.2	6.14	30.4	192	6.55	624	42.1	63	463
SP0264 S	15	36.1	662	0.21	5.17	< 1	18.8	1.2	1.82	24.0	191	2.04	151	11.9	45	337
SP0110SA	10	10.2	274	0.35	1.21	< 1	10.3	1.1	0.41	13.9	120	4.01	33.2	2.60	102	159

Analyte Symbol	As	Au	Ba	Br	Cd	Ce	Co	Dy	Er	Eu	Ge	Hf	Hg	I	La	Li	Lu	Nb	Nd	Ni	Pb	Pd	Pt
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	0.5	0.05	1	5	0.05	0.02	0.1	0.01	0.01	0.01	0.05	0.04	0.05	1	0.01	0.2	0.01	0.2	0.03	0.2	0.1	0.5	0.5
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
TILL-1 Meas	131	< 0.05	859	1080		451	31.0		42.5	28.6		1.44	0.97		517	0.8	5.03	3.0	596	33.2	151		
TILL-1 Cert	18000	13	702000	6400.0		71000	18000		3600.0	1300.0		13000	90.0		28000	15000	600.0	10000	26000	24000	22000		
TILL-1 Meas				1060																	229		
TILL-1 Cert				6400.0																	22000		
TILL-1 Meas																					102		
TILL-1 Cert																					22000		
TILL-1 Meas																					129		
TILL-1 Cert																					22000		
TILL-2 Meas	649	0.16	4180	3860		1560	114		66.0	36.0		8.00	1.77		800	20.8	7.23	13.9	709	73.6	470		
TILL-2 Cert	26000	2	540000	12200.0		98000	15000		3700.0	1000.0		11000	70.0		44000	47000	600.0	20000	36000	32000	31000		
TILL-2 Meas	365	0.18	1900	4650		1030	65.7		42.2	23.1		8.34	2.74		502	11.4	5.08	14.6	453	145	495		
TILL-2 Cert	26000	2	540000	12200.0		98000	15000		3700.0	1000.0		11000	70.0		44000	47000	600.0	20000	36000	32000	31000		
TILL-2 Meas	807	1.85	3130	4290		2080	95.3		76.7	43.6		14.2	1.14		960	50.1	8.33	29.2	889	154	661		
TILL-2 Cert	26000	2	540000	12200.0		98000	15000		3700.0	1000.0		11000	70.0		44000	47000	600.0	20000	36000	32000	31000		
TILL-2 Meas	798	0.43	3250	2990		2050	108		82.6	47.2		16.9	0.93		966	61.6	8.90	30.9	916	175	359		
TILL-2 Cert	26000	2	540000	12200.0		98000	15000		3700.0	1000.0		11000	70.0		44000	47000	600.0	20000	36000	32000	31000		
TILL-2 Meas	779	4.40	3110	3330		2110	112		77.5	44.5		14.1	0.85		941	83.9	8.54	30.5	888	156	450		
TILL-2 Cert	26000	2	540000	12200.0		98000	15000		3700.0	1000.0		11000	70.0		44000	47000	600.0	20000	36000	32000	31000		
TILL-2 Meas	811	0.48	2910	2960		2070	104		78.8	44.2		14.4	0.79		949	67.6	8.15	30.7	886	167	479		
TILL-2 Cert	26000	2	540000	12200.0		98000	15000		3700.0	1000.0		11000	70.0		44000	47000	600.0	20000	36000	32000	31000		
TILL-2 Meas	848	0.89	3050	3310		2220	111		88.5	49.8		17.5	1.12		1040	53.2	9.61	32.3	982	184	513		
TILL-2 Cert	26000	2	540000	12200.0		98000	15000		3700.0	1000.0		11000	70.0		44000	47000	600.0	20000	36000	32000	31000		
TILL-2 Meas	765	1.12	2910	3050		2200	125		81.8	47.7		15.1	0.99		1000	80.7	9.52	31.2	966	147	454		
TILL-2 Cert	26000	2	540000	12200.0		98000	15000		3700.0	1000.0		11000	70.0		44000	47000	600.0	20000	36000	32000	31000		
TILL-2 Meas	795	0.60	3180	2960		2110	101		80.1	45.1		14.8	0.79		978	57.7	8.43	31.5	908	113	486		
TILL-2 Cert	26000	2	540000	12200.0		98000	15000		3700.0	1000.0		11000	70.0		44000	47000	600.0	20000	36000	32000	31000		
TILL-2 Meas	765	1.19	3040			1800	94.6		76.5	42.3		14.3	0.93		871	34.4	8.31	29.1	827	150	515		
TILL-2 Cert	26000	2	540000			98000	15000		3700.0	1000.0		11000	70.0		44000	47000	600.0	20000	36000	32000	31000		
TILL-2 Meas	749	4.97	3030			1880	100		76.6	42.5		15.2	1.28		894	58.4	8.65	29.5	850	157	474		
TILL-2 Cert	26000	2	540000			98000	15000		3700.0	1000.0		11000	70.0		44000	47000	600.0	20000	36000	32000	31000		
TILL-2 Meas	755	1.39	2890			1810	104		74.1	41.0		15.4	0.91		853	76.8	8.05	29.9	812				
TILL-2 Cert	26000	2	540000			98000	15000		3700.0	1000.0		11000	70.0		44000	47000	600.0	20000	36000				
TILL-2 Meas																							
TILL-2 Cert																							
TILL-2 Meas																							
TILL-2 Cert																							
SP0056 S Orig	148	0.26	2520	260	123	949	21.9	92.4	47.6	32.4	19.5	23.2	0.22	132	450	11.9	6.16	13.4	513	23.6	55.0	0.5	< 0.5
SP0056 S Dup	148	0.15	2510	293	115	949	21.8	93.0	47.2	32.7	18.7	23.5	0.24	131	448	12.6	6.18	13.3	513	22.9	57.5	0.5	< 0.5
SP0099 S Orig	102	0.21	4960	275	4.69	492	22.7	37.9	16.4	12.6	8.82	32.3	0.11	121	256	22.3	1.81	28.0	231	21.4	61.8	0.8	< 0.5
SP0099 S Dup	97.1	0.15	4910	241	4.63	498	22.5	37.1	16.6	13.1	9.67	31.9	0.19	113	260	21.9	1.86	26.8	238	21.9	67.9	0.7	< 0.5
SP0115 S Orig	89.5	0.07	5900	167	5.88	340	7.6	15.8	7.34	5.94	4.69	17.5	0.09	73	105	10.5	0.82	17.1	94.3	12.6	36.9	< 0.5	< 0.5

Analyte Symbol	As	Au	Ba	Br	Cd	Ce	Co	Dy	Er	Eu	Ge	Hf	Hg	I	La	Li	Lu	Nb	Nd	Ni	Pb	Pd	Pt
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	0.5	0.05	1	5	0.05	0.02	0.1	0.01	0.01	0.01	0.05	0.04	0.05	1	0.01	0.2	0.01	0.2	0.03	0.2	0.1	0.5	0.5
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
SP0115 S Dup	88.4	< 0.05	5850	167	5.78	355	8.1	16.1	7.27	6.12	4.24	18.0	0.15	72	108	10.1	0.86	18.1	99.4	12.1	37.0	< 0.5	< 0.5
SP0143 S Orig	85.7	1.39	1440	380	3.73	403	5.7	51.4	23.8	18.6	9.96	8.07	0.17	119	228	< 0.2	2.54	3.3	299	5.0	8.6	< 0.5	< 0.5
SP0143 S Dup	92.4	0.41	1480	394	3.93	424	7.1	55.6	25.1	19.0	11.0	8.63	0.26	124	239	0.7	2.66	3.7	309	4.8	20.2	< 0.5	< 0.5
SP0158 S Orig	88.3	0.20	7200	287	8.01	989	39.8	141	67.1	44.7	21.5	22.4	0.13	133	525	35.3	8.12	7.9	642	56.6	34.2	0.7	< 0.5
SP0158 S Dup	90.2	0.36	7180	284	7.07	1030	37.3	146	72.4	47.9	23.9	23.1	0.24	138	555	31.8	8.60	8.3	673	57.7	54.2	0.6	< 0.5
SP0175 S Orig				214																			
SP0175 S Dup				201																			
SP0187 S Orig	20.2	0.07	2760	182	4.58	214	7.3	13.5	6.38	4.73	3.73	8.61	< 0.05	44	86.9	3.0	0.74	7.4	77.4	9.7	11.6	< 0.5	< 0.5
SP0187 S Dup	19.0	< 0.05	2670	179	5.40	208	7.4	13.0	6.05	4.77	3.23	8.67	0.30	45	84.6	3.7	1.08	11.6	76.9	9.5	13.1	< 0.5	< 0.5
SP0202 S Orig	35.7	0.09	3130		4.73	221	11.4	15.3	7.11	5.30	4.32	13.9	0.13	79	87.8	2.0	0.85	10.5	84.5	13.6	17.7	< 0.5	< 0.5
SP0202 S Dup	38.4	0.09	3130		5.10	227	10.6	15.1	6.69	5.10	2.55	13.5	< 0.05	86	88.9	2.5	0.88	9.9	84.8	14.0	19.9	< 0.5	< 0.5
SP0218 S Orig				171																	46.1		
SP0218 S Dup				150																	48.3		
SP0224 S Orig	31.6	0.17	1140		6.39	238	11.2	19.8	9.57	6.00	4.11	14.3	0.15	132	93.0	0.5	1.12	5.2	108	14.3		< 0.5	< 0.5
SP0224 S Dup	38.1	0.19	1140		5.54	251	11.5	20.4	9.59	6.36	3.94	14.0	0.13	125	97.6	5.0	1.16	7.0	113	15.4		< 0.5	< 0.5
SP0236 S Orig				263																	11.9		
SP0236 S Dup				305																	12.9		
SP0238 S Orig	43.8	0.20	8900		4.30	227	10.6	28.5	13.0	10.6	4.86	17.8	0.19	74	120	20.2	1.81	16.0	141	25.0		< 0.5	< 0.5
SP0238 S Dup	49.2	0.15	9440		5.08	253	11.7	32.5	15.6	11.9	5.16	20.7	0.15	78	130	23.2	1.96	18.0	157	27.5		< 0.5	< 0.5
SP0257 S Orig																					17.8		
SP0257 S Dup																					19.1		
SP0263 S Orig	34.8	0.11	2670	392	7.18	416	4.0	79.8	41.8	26.4	13.8	12.0	< 0.05	204	387	2.5	6.12	3.9	464	14.1		0.5	< 0.5
SP0263 S Dup	39.8	0.09	2580	412	7.62	423	4.2	84.0	42.8	26.8	14.9	12.3	0.13	199	398	2.3	6.39	3.8	476	15.7		0.5	< 0.5
Method Blank																					< 0.1		
Method Blank	< 0.5	< 0.05	< 1	18	< 0.05	< 0.02	< 0.1	0.02	0.02	0.02	< 0.05	< 0.04	< 0.05	< 1	< 0.01	< 0.2	0.06	0.2	< 0.03		< 0.1	< 0.5	< 0.5
Method Blank				15																	0.8		
Method Blank																					< 0.1		
Method Blank	< 0.5	< 0.05	1	13	< 0.05	0.19	< 0.1	0.02	< 0.01	< 0.01	< 0.05	< 0.04	< 0.05	< 1	0.09	< 0.2	< 0.01	< 0.2	< 0.03	< 0.2	1.0	< 0.5	0.9
Method Blank	< 0.5	< 0.05	< 1	21	< 0.05	0.06	< 0.1	< 0.01	< 0.01	< 0.01	< 0.05	0.04	0.15	< 1	< 0.01	< 0.2	0.02	< 0.2	0.06	< 0.2	< 0.1	< 0.5	< 0.5

Analyte Symbol	Ru	Sb	Sr	Ta	Tb	Tm	U	V	Zn	Zr	Fe	Mg	Be	Cr	Ho	Pr	Sc	Te	W	Yb	Al	Ca	K
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm	ppm
Lower Limit	0.05	0.2	0.1	0.01	0.01	0.01	0.01	1	2	0.5	1	2	0.07	2	0.01	0.01	0.5	1	0.01	0.02	0.5	5	5
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
TILL-1 Meas		55.2	209	0.12	18.0		93.4	131	338	21.7	65		19.2	57			99.9			35.3			
TILL-1 Cert		7800.0	291000	700.0	1100.0		2200.0	99000	98000	502000	48100.00		2400.0	65000			13000			3900.0			
TILL-1 Meas							91.3																
TILL-1 Cert							2200.0																
TILL-1 Meas							50.6																
TILL-1 Cert							2200.0																
TILL-1 Meas																							
TILL-1 Cert																							
TILL-2 Meas		3.4	606	0.89	26.9		213	292	645	204	356		98.7	403			132		47.8	54.1			
TILL-2 Cert		800.0	144000	1900.0	1200.0		5700.0	77000	130000	390000	38400.00		4000.0	74000			12000		5000	3700.0			
TILL-2 Meas		3.4	372	0.71	16.8		257	182	425	183	190		74.0	240			107		41.0	35.4			
TILL-2 Cert		800.0	144000	1900.0	1200.0		5700.0	77000	130000	390000	38400.00		4000.0	74000			12000		5000	3700.0			
TILL-2 Meas		4.7	613	1.64	32.8		182	362	781	303	523		115	591			161		75.2	62.9			
TILL-2 Cert		800.0	144000	1900.0	1200.0		5700.0	77000	130000	390000	38400.00		4000.0	74000			12000		5000	3700.0			
TILL-2 Meas		4.9	642	1.68	34.3		230	381	776	355	483		136	638			190		90.1	68.1			
TILL-2 Cert		800.0	144000	1900.0	1200.0		5700.0	77000	130000	390000	38400.00		4000.0	74000			12000		5000	3700.0			
TILL-2 Meas		4.9	572	1.65	32.7		285	394	954	312	503		115	582			163		84.0	64.5			
TILL-2 Cert		800.0	144000	1900.0	1200.0		5700.0	77000	130000	390000	38400.00		4000.0	74000			12000		5000	3700.0			
TILL-2 Meas		3.6	625	1.68	33.2		238	389	849	323	551		119	588			168		86.4	63.2			
TILL-2 Cert		800.0	144000	1900.0	1200.0		5700.0	77000	130000	390000	38400.00		4000.0	74000			12000		5000	3700.0			
TILL-2 Meas		4.3	669	1.74	37.0		235	400	846	374	528		127	626			184		93.3	72.5			
TILL-2 Cert		800.0	144000	1900.0	1200.0		5700.0	77000	130000	390000	38400.00		4000.0	74000			12000		5000	3700.0			
TILL-2 Meas		4.5	623	1.65	35.3		285	408	973	344	495		137	626			176		85.1	70.3			
TILL-2 Cert		800.0	144000	1900.0	1200.0		5700.0	77000	130000	390000	38400.00		4000.0	74000			12000		5000	3700.0			
TILL-2 Meas		5.3	638	1.72	33.6		270	372	797	328	510		127	599			179		85.8	66.2			
TILL-2 Cert		800.0	144000	1900.0	1200.0		5700.0	77000	130000	390000	38400.00		4000.0	74000			12000		5000	3700.0			
TILL-2 Meas		4.7	641	1.62	31.2		256	341	959	320	399		131	538			163		71.7	64.8			
TILL-2 Cert		800.0	144000	1900.0	1200.0		5700.0	77000	130000	390000	38400.00		4000.0	74000			12000		5000	3700.0			
TILL-2 Meas		4.0	641	1.65	32.0		278	358	742	327	409		125	570			163		83.1	63.0			
TILL-2 Cert		800.0	144000	1900.0	1200.0		5700.0	77000	130000	390000	38400.00		4000.0	74000			12000		5000	3700.0			
TILL-2 Meas		3.4	609	1.64	30.9		275	375	755	331	410		142	587			167		78.9	63.7			
TILL-2 Cert		800.0	144000	1900.0	1200.0		5700.0	77000	130000	390000	38400.00		4000.0	74000			12000		5000	3700.0			
TILL-2 Meas							276																
TILL-2 Cert							5700.0																
TILL-2 Meas																							
TILL-2 Cert																							
SP0056 S Orig	< 0.05	1.6	2040	0.66	17.3	6.48	47.3	380	300	622	195	137	22.6	32	17.4	119	145	< 1	3.16	41.1	211	981	13
SP0056 S Dup	< 0.05	1.6	2010	0.69	17.5	6.44	48.5	376	318	622	194	137	23.4	33	17.5	119	142	< 1	3.27	42.0	209	961	13
SP0099 S Orig	< 0.05	1.9	1730	0.56	7.25	2.28	33.9	276	341	972	212	101	25.6	62	6.58	58.6	106	1	3.21	13.5	325	584	33
SP0099 S Dup	< 0.05	1.5	1720	0.56	7.14	2.23	33.1	262	337	943	206	103	24.3	61	6.69	59.3	100	< 1	3.09	14.0	330	584	33
SP0115 S Orig	< 0.05	1.1	2550	0.58	3.10	0.91	19.3	89	576	528	118	56	15.6	31	2.82	23.9	95.3	< 1	2.78	5.73	156	492	29

Analyte Symbol	Ru	Sb	Sr	Ta	Tb	Tm	U	V	Zn	Zr	Fe	Mg	Be	Cr	Ho	Pr	Sc	Te	W	Yb	Al	Ca	K
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm	ppm
Lower Limit	0.05	0.2	0.1	0.01	0.01	0.01	0.01	1	2	0.5	1	2	0.07	2	0.01	0.01	0.5	1	0.01	0.02	0.5	5	5
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
SP0115 S Dup	< 0.05	1.5	2600	0.56	3.27	1.00	19.8	89	608	534	119	57	15.5	29	2.70	25.4	98.7	< 1	2.68	6.23	158	505	30
SP0143 S Orig	0.06	1.3	1500	0.13	9.48	3.15	33.2	129	274	230	43	122	11.2	7	9.25	68.6	108	< 1	3.45	19.2	216	593	102
SP0143 S Dup	< 0.05	1.1	1510	0.15	10.4	3.35	34.4	141	368	245	46	128	12.3	8	9.68	72.1	109	< 1	3.65	19.8	230	607	103
SP0158 S Orig	< 0.05	2.0	6490	0.19	25.5	9.39	37.1	250	194	781	119	294	24.8	33	25.4	147	369	< 1	1.41	59.5	187	1440	20
SP0158 S Dup	< 0.05	2.1	6590	0.21	26.6	9.98	38.0	253	271	822	116	296	27.6	35	26.9	154	380	< 1	2.45	62.6	179	1460	20
SP0175 S Orig																							
SP0175 S Dup																							
SP0187 S Orig	< 0.05	< 0.2	906	0.36	2.52	0.85	17.9	128	99	288	67	73	10.7	14	2.32	20.2	53.4	< 1	1.26	5.57	126	441	30
SP0187 S Dup	< 0.05	< 0.2	875	0.40	2.75	0.89	15.1	135	99	287	68	71	11.6	16	2.25	19.7	55.7	< 1	1.27	5.63	123	431	29
SP0202 S Orig	< 0.05	1.2	1170	0.42	2.97	0.98	24.6	126	224	406	94	79	11.6	36	2.83	21.9	63.2	< 1	2.01	6.04	139	459	50
SP0202 S Dup	< 0.05	0.8	1150	0.41	2.80	0.92	24.8	116	240	390	91	79	12.8	32	2.75	22.7	57.6	< 1	1.55	6.02	132	467	48
SP0218 S Orig							27.1																
SP0218 S Dup							27.6																
SP0224 S Orig	< 0.05	0.9	505	0.29	3.74	1.28	27.8	117	230	411	72	47	13.5	29	3.72	26.6	57.0	< 1	1.99	7.92	251	238	25
SP0224 S Dup	< 0.05	1.1	521	0.33	3.97	1.27	27.4	115	242	416	70	49	15.0	26	3.66	27.1	60.3	< 1	3.26	8.10	255	245	26
SP0236 S Orig							19.0																
SP0236 S Dup							20.2																
SP0238 S Orig	< 0.05	1.8	2710	0.57	5.47	1.82	18.9	107	524	541	123	93	7.77	29	5.18	32.5	114	< 1	1.02	12.5	146	876	53
SP0238 S Dup	< 0.05	1.8	2790	0.49	6.18	2.03	20.9	121	592	600	137	99	8.25	32	5.70	37.1	124	< 1	1.17	14.1	168	916	55
SP0257 S Orig							34.0																
SP0257 S Dup							33.8																
SP0263 S Orig	< 0.05	1.9	1700	0.19	14.9	5.97	29.9	192	66	457	25	261	30.0	48	15.2	107	148	< 1	6.24	41.5	35.4	1570	< 5
SP0263 S Dup	< 0.05	2.2	1690	0.25	15.5	6.30	30.8	192	60	468	26	267	34.1	54	15.3	110	150	< 1	6.86	42.6	35.4	1600	< 5
Method Blank																							
Method Blank	< 0.05	< 0.2	< 0.1	< 0.01	0.02	< 0.01		< 1	10	< 0.5	< 1	< 2	< 0.07	< 2	< 0.01	< 0.01	< 0.5	< 1	0.10	< 0.02	< 0.5	< 5	< 5
Method Blank							0.47																
Method Blank							0.47																
Method Blank	< 0.05	< 0.2	< 0.1	< 0.01	< 0.01	< 0.01	< 0.01	< 1	5	< 0.5	< 1	< 2	0.28	< 2	< 0.01	< 0.01	< 0.5	< 1	0.06	< 0.02	< 0.5	8	< 5
Method Blank	< 0.05	0.4	< 0.1	< 0.01	< 0.01	< 0.01	0.02	< 1	< 2	< 0.5	< 1	< 2	< 0.07	< 2	< 0.01	< 0.01	< 0.5	< 1	0.02	< 0.02	< 0.5	< 5	< 5

Analyte Symbol	Ag	Bi	Cs	Cu	Ga	Gd	In	Mn	Mo	Rb	Re	Se	Sm	Th	Tl	Y
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.2	0.1	0.01	0.5	0.1	0.03	0.1	0.1	2	0.1	0.01	1	0.03	0.02	0.2	0.02
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
TILL-1 Meas			0.32	1130				57600	9	28.3			137	88.6		614
TILL-1 Cert			1000.0	47000				14200 00	2000	44000			5900.0	5600.0		38000
TILL-1 Meas														99.3		
TILL-1 Cert														5600.0		
TILL-1 Meas														43.8		
TILL-1 Cert														5600.0		
TILL-1 Meas																
TILL-1 Cert																
TILL-2 Meas			17.2	4310				20100	103	258			169	271		789
TILL-2 Cert			12000	150000				780000	14000	143000			7400.0	18400.0		40000
TILL-2 Meas			10.5	2970				19900	92	174			105	295		490
TILL-2 Cert			12000	150000				780000	14000	143000			7400.0	18400.0		40000
TILL-2 Meas			18.3	4790				16000	107	242			202	188		794
TILL-2 Cert			12000	150000				780000	14000	143000			7400.0	18400.0		40000
TILL-2 Meas			19.1	5260				20000	139	297			208	168		866
TILL-2 Cert			12000	150000				780000	14000	143000			7400.0	18400.0		40000
TILL-2 Meas			21.0	4960				17500	115	308			199	286		806
TILL-2 Cert			12000	150000				780000	14000	143000			7400.0	18400.0		40000
TILL-2 Meas			20.3	4900				16100	123	261			200	296		815
TILL-2 Cert			12000	150000				780000	14000	143000			7400.0	18400.0		40000
TILL-2 Meas			20.5	5510				19900	142	280			225	282		928
TILL-2 Cert			12000	150000				780000	14000	143000			7400.0	18400.0		40000
TILL-2 Meas			21.9	5270				21500	129	310			217	284		890
TILL-2 Cert			12000	150000				780000	14000	143000			7400.0	18400.0		40000
TILL-2 Meas			18.9	5000				17900	124	273			200	306		836
TILL-2 Cert			12000	150000				780000	14000	143000			7400.0	18400.0		40000
TILL-2 Meas			18.7	4810				19100	132	232			188	287		800
TILL-2 Cert			12000	150000				780000	14000	143000			7400.0	18400.0		40000
TILL-2 Meas			19.9	4950				19400	131	268			194	298		797
TILL-2 Cert			12000	150000				780000	14000	143000			7400.0	18400.0		40000
TILL-2 Meas			19.6	5070				20000	128	270			184	309		783
TILL-2 Cert			12000	150000				780000	14000	143000			7400.0	18400.0		40000
TILL-2 Meas														300		
TILL-2 Cert														18400.0		
TILL-2 Meas														296		
TILL-2 Cert														18400.0		
SP0056 S Orig	0.5	0.3	1.46	934	48.7	132	0.7	16200	13	40.2	0.07	104	118	62.7	1.7	591
SP0056 S Dup	0.6	0.2	1.43	932	48.3	130	0.8	16200	13	41.6	0.07	108	116	64.0	1.8	584
SP0099 S Orig	1.0	0.3	5.19	205	88.4	52.2	0.7	5300	8	54.7	0.02	44	49.2	48.1	0.5	198

Analyte Symbol	Ag	Bi	Cs	Cu	Ga	Gd	In	Mn	Mo	Rb	Re	Se	Sm	Th	Tl	Y
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.2	0.1	0.01	0.5	0.1	0.03	0.1	0.1	2	0.1	0.01	1	0.03	0.02	0.2	0.02
Method Code	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS	Bioleach-MS
SP0099 S Dup	0.8	0.5	4.99	200	95.8	52.9	0.7	5290	7	56.1	0.02	30	48.4	45.9	0.5	202
SP0115 S Orig	0.5	1.5	1.47	79.9	26.2	23.5	0.4	18600	13	21.1	< 0.01	11	19.6	43.1	0.3	74.3
SP0115 S Dup	0.6	0.9	1.37	83.7	25.6	24.7	0.5	19700	12	21.2	< 0.01	5	20.6	44.6	0.3	75.7
SP0143 S Orig	0.3	0.3	1.13	96.1	35.2	71.1	0.2	13000	16	96.8	0.04	51	67.3	21.3	0.9	274
SP0143 S Dup	0.2	0.3	0.80	102	39.0	74.0	0.1	13900	17	96.2	0.06	45	70.3	22.2	0.9	290
SP0158 S Orig	0.8	1.5	2.88	393	59.8	175	0.3	19500	8	32.2	0.11	87	159	60.7	0.3	795
SP0158 S Dup	0.8	0.7	2.93	394	58.2	184	0.3	17900	9	30.2	0.06	134	162	64.2	0.3	825
SP0175 S Orig																
SP0175 S Dup																
SP0187 S Orig	< 0.2	0.2	0.17	108	24.1	19.2	0.2	15800	14	19.7	< 0.01	14	16.9	8.13	0.4	81.6
SP0187 S Dup	< 0.2	0.2	0.10	111	24.3	18.7	0.2	15300	14	18.2	< 0.01	10	16.5	8.22	0.4	80.8
SP0202 S Orig	0.4	1.4	0.18	96.1	25.1	21.9	0.3	17500	15	20.4	< 0.01	12	18.8	26.3	0.4	77.5
SP0202 S Dup	0.4	0.8	0.28	94.3	24.0	20.5	0.3	17400	16	20.2	< 0.01	21	20.0	24.7	0.4	76.7
SP0218 S Orig		0.2												35.8		
SP0218 S Dup		< 0.1												37.0		
SP0224 S Orig	0.5	0.4	0.31	120	26.6	28.0	0.4	22300	17	44.9	0.02	20	24.7	30.5	0.9	106
SP0224 S Dup	0.3	0.4	3.71	117	27.2	27.6	0.3	22700	18	45.1	< 0.01	16	25.6	31.2	1.4	108
SP0236 S Orig		< 0.1												9.74		
SP0236 S Dup		< 0.1												9.64		
SP0238 S Orig	0.5	1.6	0.76	164	45.3	38.3	0.3	4590	7	30.5	0.02	28	35.5	31.0	0.4	145
SP0238 S Dup	0.6	1.2	0.74	181	51.1	43.0	0.4	4850	7	31.0	0.02	34	40.7	31.9	0.4	161
SP0257 S Orig		0.1												18.6		
SP0257 S Dup		< 0.1												19.3		
SP0263 S Orig	0.8	0.3	0.02	1660	27.2	109	< 0.1	2090	16	6.1	0.15	92	107	18.0	0.2	609
SP0263 S Dup	0.8	0.2	< 0.01	1700	26.2	112	< 0.1	2030	18	5.8	0.17	73	110	18.0	0.2	640
Method Blank																
Method Blank	< 0.2	< 0.1	< 0.01	< 0.5	< 0.1	< 0.03	< 0.1	< 0.1	< 2	< 0.1	< 0.01	3	< 0.03	< 0.02	< 0.2	< 0.02
Method Blank		< 0.1												< 0.02		
Method Blank		< 0.1												< 0.02		
Method Blank	< 0.2	< 0.1	0.04	< 0.5	< 0.1	< 0.03	< 0.1	0.2	< 2	< 0.1	< 0.01	< 1	< 0.03	< 0.02	< 0.2	< 0.02
Method Blank	< 0.2	0.4	< 0.01	< 0.5	0.2	< 0.03	< 0.1	1.0	< 2	< 0.1	< 0.01	< 1	0.04	0.04	< 0.2	< 0.02

ANALYSIS REPORT BBM21-10647

To COD SGS MINERALS - GEOCHEM VANCOUVER
RENAISSANCE GEOSCIENCE SERVICES INC - LE LINDINGER
SGS CANADA INC
3260 PRODUCTION WAY
BURNABY V5A 4W4
BC
CANADA

Order Number	PO#	Date Received	16-Jun-2021
Project		Date Analysed	27-Jun-2021 - 07-Aug-2021
	RENNAISSANCE_GEOSCIENCE_SERVICES_INC.	Date Completed	09-Aug-2021
		SGS Order Number	BBM21-10647
Submission Number	*BBY* RENNAISSANCE GEOSCIENCE/ SADIM/ 34 Soil samples		
Number of Samples	34		

Methods Summary

Number of Sample	Method Code	Description
34	G_WGH_KG	Weight of samples received
34	GE_DIGMMI	Mobile Metal ION analyses
34	GE_MMIM	Mobile Metal ION standard package,ICP-MS

Authorised Signatory

John Chiang
Laboratory Operations Manager

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- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ERVICES_INC.

Submission Number *BBY* RENNAISSANCE

GEOSCIENCE/ SADIM/ 34 Soil samples

Number of Samples 34

ANALYSIS REPORT BBM21-10647

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
SP0001-M	0.36	48.0	117	<10	<0.1	1760
SP0002-M	0.34	21.0	105	<10	0.2	2840
SP0003-M	0.38	11.8	57	<10	0.2	4670
SP0004-M	0.41	18.4	100	10	0.2	4740
SP0005-M	0.43	41.3	122	10	0.1	1890
SP0006-M	0.42	27.2	20	<10	2.2	18100
SP0018-M	0.40	11.7	244	10	<0.1	1210
SP0019-M	0.47	32.0	125	<10	0.1	2240
SP0020-M	0.40	19.5	154	10	<0.1	2940
SP0021-M	0.41	28.2	94	<10	<0.1	5720
SP0022-M	0.39	50.9	17	<10	2.4	350
SP0023-M	0.46	12.8	70	<10	<0.1	3890
SP0024-M	0.38	22.8	85	<10	0.3	3150
SP0025-M	0.42	10.0	109	10	0.1	7930
SP0026-M	0.35	5.7	89	10	0.1	2730
SP0027-M	0.42	12.4	72	20	0.2	3840
SP0028-M	0.38	30.6	143	10	0.1	1850
SP0029-M	0.48	6.7	95	<10	0.2	5130
SP0030-M	0.30	9.8	136	<10	<0.1	2190
SP0031-M	0.41	43.3	90	<10	0.1	2090
SP0032-M	0.44	11.5	66	10	<0.1	19600
SP0033-M	0.41	25.4	68	<10	<0.1	3740
SP0034-M	0.51	8.6	52	<10	0.1	2740
SP0035-M	0.40	17.9	119	20	<0.1	3160
SP0036-M	0.45	13.5	112	10	<0.1	1170
SP0037-M	0.62	40.5	96	<10	0.2	5560
SP0010-M	0.34	26.0	110	10	<0.1	3980

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_S

ERVICES_INC.

Submission Number *BBY* RENNAISSANCE

GEOSCIENCE/ SADIM/ 34 Soil samples

Number of Samples 34

ANALYSIS REPORT BBM21-10647

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
SP0011-M	0.48	48.1	42	10	0.3	3650
SP0012-M	0.37	21.1	74	<10	<0.1	2850
SP0013-M	0.35	4.6	152	10	<0.1	1890
SP0014-M	0.28	25.6	201	10	<0.1	1530
SP0015-M	0.27	16.7	132	10	<0.1	2290
SP0016-M	0.35	24.5	144	20	0.1	3030
SP0009-M	0.34	39.1	101	10	<0.1	1370
*Blk BLANK	-	<0.5	<1	<10	<0.1	<10
*Rep SP0024-M	-	22.8	91	<10	0.4	3240
*Std AMIS0169	-	9.9	62	20	0.5	1090

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0001-M	<0.5	365	13	91	24	<100
SP0002-M	<0.5	458	11	113	26	<100
SP0003-M	<0.5	734	6	240	79	<100
SP0004-M	<0.5	505	6	125	42	<100
SP0005-M	<0.5	373	9	154	26	<100
SP0006-M	<0.5	1227	25	47	331	<100
SP0018-M	<0.5	72	5	186	62	<100
SP0019-M	<0.5	353	9	93	28	<100
SP0020-M	<0.5	343	11	160	74	<100
SP0021-M	<0.5	625	10	149	39	<100
SP0022-M	<0.5	633	19	14	585	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ERVICES_INC.

Submission Number *BBY* RENNAISSANCE

GEOSCIENCE/ SADIM/ 34 Soil samples

Number of Samples 34

ANALYSIS REPORT BBM21-10647

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0023-M	<0.5	533	16	141	42	<100
SP0024-M	<0.5	832	6	91	27	<100
SP0025-M	<0.5	366	2	101	26	<100
SP0026-M	<0.5	831	11	161	99	<100
SP0027-M	<0.5	659	9	273	74	<100
SP0028-M	<0.5	257	27	79	38	<100
SP0029-M	<0.5	803	6	153	28	<100
SP0030-M	<0.5	266	8	80	28	<100
SP0031-M	<0.5	424	9	64	35	<100
SP0032-M	<0.5	985	6	91	19	<100
SP0033-M	<0.5	448	8	118	58	<100
SP0034-M	<0.5	865	9	125	63	<100
SP0035-M	<0.5	414	15	235	102	<100
SP0036-M	<0.5	584	17	18	21	<100
SP0037-M	<0.5	658	3	133	24	<100
SP0010-M	<0.5	460	9	212	35	<100
SP0011-M	<0.5	587	8	75	50	<100
SP0012-M	<0.5	423	11	179	46	<100
SP0013-M	<0.5	506	54	29	16	<100
SP0014-M	<0.5	79	37	93	32	<100
SP0015-M	<0.5	405	46	140	27	<100
SP0016-M	<0.5	401	46	167	26	<100
SP0009-M	<0.5	438	22	86	31	<100
*Blk BLANK	<0.5	<2	<1	<2	<1	<100
*Rep SP0024-M	<0.5	911	7	88	27	<100
*Std AMIS0169	<0.5	40	2	828	111	100

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Submission Number *BBY* RENNAISSANCE

GEOSCIENCE/ SADIM/ 34 Soil samples

Number of Samples 34

ANALYSIS REPORT BBM21-10647

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
SP0001-M	3.1	990	22.0	12.3	6.1	52
SP0002-M	3.7	1250	56.5	33.7	14.6	32
SP0003-M	4.3	1120	52.3	26.5	13.3	45
SP0004-M	1.9	550	14.7	8.4	4.1	69
SP0005-M	8.7	600	22.8	11.0	6.3	64
SP0006-M	<0.2	5140	44.6	33.2	10.7	18
SP0018-M	12.3	5250	89.3	56.0	17.4	60
SP0019-M	39.1	880	41.1	25.8	9.5	48
SP0020-M	3.8	970	34.5	20.5	8.2	113
SP0021-M	1.9	1270	40.0	22.1	10.1	47
SP0022-M	0.2	2610	8.9	5.3	2.3	25
SP0023-M	0.6	570	39.1	21.1	10.5	53
SP0024-M	4.0	1630	56.2	34.0	13.6	23
SP0025-M	7.7	3320	82.2	56.3	18.3	22
SP0026-M	0.6	1800	140	97.9	31.8	32
SP0027-M	4.7	680	40.8	22.0	10.2	51
SP0028-M	28.6	800	23.2	14.7	5.3	77
SP0029-M	0.2	670	41.0	24.0	9.8	43
SP0030-M	14.5	290	29.7	20.2	5.7	55
SP0031-M	9.1	950	22.0	12.9	5.7	33
SP0032-M	0.3	880	37.8	17.7	10.7	31
SP0033-M	1.2	630	25.3	13.8	7.2	52
SP0034-M	3.2	540	32.2	19.5	7.3	34
SP0035-M	0.8	560	66.7	39.9	16.5	87
SP0036-M	4.5	470	7.6	4.7	1.7	30
SP0037-M	7.1	35600	56.6	32.8	16.0	26
SP0010-M	2.2	1200	33.2	17.3	8.4	51

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ERVICES_INC.

Submission Number *BBY* RENNAISSANCE

GEOSCIENCE/ SADIM/ 34 Soil samples

Number of Samples 34

ANALYSIS REPORT BBM21-10647

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
SP0011-M	1.3	1330	21.2	11.3	5.9	48
SP0012-M	0.9	820	30.1	16.2	8.8	54
SP0013-M	13.4	830	14.3	11.0	2.7	41
SP0014-M	40.2	320	33.0	22.4	5.0	85
SP0015-M	9.6	1260	43.9	27.8	11.8	34
SP0016-M	10.1	820	45.5	25.5	12.2	62
SP0009-M	1.3	950	26.3	14.2	7.4	55
*Blk BLANK	<0.2	<10	<0.5	<0.2	<0.2	<1
*Rep SP0024-M	4.0	1820	53.9	33.4	13.0	24
*Std AMIS0169	8.2	3960	29.5	13.4	11.5	49

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0001-M	5.0	24.9	<1	<0.1	98.0	42
SP0002-M	3.8	63.0	<1	<0.1	41.3	62
SP0003-M	3.0	57.7	<1	<0.1	21.4	103
SP0004-M	3.4	15.7	<1	<0.1	45.5	35
SP0005-M	5.3	24.8	<1	<0.1	44.5	52
SP0006-M	0.8	42.7	<1	<0.1	18.2	16
SP0018-M	35.5	69.3	<1	0.2	59.6	68
SP0019-M	5.1	42.5	<1	<0.1	67.7	49
SP0020-M	5.3	34.5	<1	0.2	39.8	51
SP0021-M	2.8	44.9	<1	<0.1	33.3	58
SP0022-M	0.8	10.2	1	<0.1	109	2

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10647

Project

RENNAISSANCE_GEOSCIENCE_S

ERVICES_INC.

Submission Number *BBY* RENNAISSANCE

GEOSCIENCE/ SADIM/ 34 Soil samples

Number of Samples 34

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0023-M	2.9	44.5	<1	<0.1	57.6	61
SP0024-M	2.2	61.0	<1	<0.1	20.8	52
SP0025-M	5.4	84.0	<1	<0.1	39.9	110
SP0026-M	2.6	146	<1	<0.1	22.1	85
SP0027-M	3.0	43.8	<1	<0.1	50.8	80
SP0028-M	11.2	23.2	<1	<0.1	109	44
SP0029-M	2.5	43.6	<1	<0.1	73.9	57
SP0030-M	8.7	27.2	<1	0.1	66.2	44
SP0031-M	4.1	25.2	<1	<0.1	150	34
SP0032-M	2.1	39.0	<1	<0.1	74.9	39
SP0033-M	3.4	28.6	<1	<0.1	128	47
SP0034-M	1.5	31.7	<1	<0.1	91.6	35
SP0035-M	4.4	72.0	<1	0.2	58.0	80
SP0036-M	3.2	7.3	<1	<0.1	99.3	10
SP0037-M	2.9	69.2	<1	<0.1	30.6	92
SP0010-M	4.3	34.4	<1	<0.1	89.2	63
SP0011-M	2.1	25.1	<1	<0.1	86.1	39
SP0012-M	3.5	35.3	<1	<0.1	100	63
SP0013-M	6.7	11.7	<1	<0.1	52.0	9
SP0014-M	31.3	22.7	<1	0.1	100	32
SP0015-M	8.9	48.7	<1	<0.1	131	78
SP0016-M	6.4	53.9	<1	<0.1	154	94
SP0009-M	3.7	31.4	<1	<0.1	46.6	38
*Blk BLANK	<0.5	<0.5	<1	<0.1	<0.5	<1
*Rep SP0024-M	2.3	59.5	<1	<0.1	22.1	51
*Std AMIS0169	17.7	47.4	<1	<0.1	42.2	458

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project

RENNAISSANCE_GEOSCIENCE_S

ERVICES_INC.

Submission Number *BBY* RENNAISSANCE

GEOSCIENCE/ SADIM/ 34 Soil samples

Number of Samples 34

ANALYSIS REPORT BBM21-10647

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0001-M	<1	29.0	5200	4	2.0	78
SP0002-M	<1	75.8	5400	4	0.5	150
SP0003-M	<1	85.1	1900	2	1.2	169
SP0004-M	2	89.9	2800	11	4.6	57
SP0005-M	<1	42.6	3500	5	5.2	87
SP0006-M	3	255	17800	3	<0.5	57
SP0018-M	1	16.5	3200	<2	1.6	171
SP0019-M	<1	42.1	5700	3	0.8	108
SP0020-M	<1	45.0	7900	5	3.6	99
SP0021-M	<1	82.6	5300	5	1.5	115
SP0022-M	4	97.7	25400	21	<0.5	8
SP0023-M	<1	95.6	7900	5	1.8	120
SP0024-M	<1	94.0	6100	3	0.6	128
SP0025-M	<1	48.2	4600	2	<0.5	214
SP0026-M	1	109	6800	<2	<0.5	247
SP0027-M	4	81.4	2600	5	2.8	131
SP0028-M	<1	21.6	5400	11	1.6	72
SP0029-M	<1	130	6300	3	0.9	110
SP0030-M	<1	61.7	14800	5	0.6	80
SP0031-M	<1	29.6	5900	4	0.9	68
SP0032-M	<1	101	2000	3	1.3	87
SP0033-M	<1	82.3	8500	5	1.8	86
SP0034-M	12	208	10500	4	0.7	70
SP0035-M	2	59.8	16100	4	1.6	173
SP0036-M	<1	49.3	6200	6	2.2	20
SP0037-M	<1	104	3900	3	1.9	197
SP0010-M	<1	56.3	7000	3	1.5	106

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10647

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RENNAISSANCE_GEOSCIENCE_S

ERVICES_INC.

Submission Number *BBY* RENNAISSANCE

GEOSCIENCE/ SADIM/ 34 Soil samples

Number of Samples 34

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0011-M	<1	81.6	3600	6	1.9	71
SP0012-M	1	68.1	7800	4	1.8	116
SP0013-M	1	38.7	12600	3	<0.5	24
SP0014-M	4	13.5	4300	5	2.7	64
SP0015-M	2	25.2	4000	5	2.5	150
SP0016-M	2	22.2	5400	8	4.6	174
SP0009-M	<1	34.0	6800	4	1.8	80
*Blk BLANK	<1	<0.5	<100	<2	<0.5	<1
*Rep SP0024-M	<1	102	6200	3	0.6	124
*Std AMIS0169	2	36.8	4100	4	3.4	402

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0001-M	96	2.2	48	<1	16.2	<0.1
SP0002-M	35	1.4	32	<1	26.6	<0.1
SP0003-M	42	1.2	49	<1	35.1	<0.1
SP0004-M	54	4.1	117	<1	12.4	<0.1
SP0005-M	33	8.9	100	<1	18.5	<0.1
SP0006-M	304	0.3	5	3	8.6	<0.1
SP0018-M	29	3.4	80	<1	32.8	<0.1
SP0019-M	29	1.4	56	<1	20.6	<0.1
SP0020-M	71	4.2	122	<1	20.4	<0.1
SP0021-M	65	2.1	45	<1	22.3	<0.1
SP0022-M	1320	0.9	5	<1	1.2	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_S

ERVICES_INC.

Submission Number *BBY* RENNAISSANCE

GEOSCIENCE/ SADIM/ 34 Soil samples

Number of Samples 34

ANALYSIS REPORT BBM21-10647

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0023-M	152	3.0	55	<1	23.6	<0.1
SP0024-M	33	1.1	41	<1	22.5	<0.1
SP0025-M	13	1.0	87	<1	40.4	<0.1
SP0026-M	63	1.3	71	<1	41.3	<0.1
SP0027-M	129	6.0	143	<1	28.2	<0.1
SP0028-M	31	2.1	138	<1	15.0	<0.1
SP0029-M	43	3.5	33	<1	21.2	<0.1
SP0030-M	26	1.1	87	<1	16.0	<0.1
SP0031-M	40	2.4	39	<1	13.1	<0.1
SP0032-M	56	2.9	35	<1	16.6	<0.1
SP0033-M	107	1.8	50	<1	17.8	<0.1
SP0034-M	434	1.9	45	<1	13.8	<0.1
SP0035-M	238	2.6	76	<1	34.2	<0.1
SP0036-M	97	5.0	32	<1	3.8	<0.1
SP0037-M	25	2.7	29	<1	37.8	<0.1
SP0010-M	43	1.8	51	<1	21.7	<0.1
SP0011-M	62	4.2	30	<1	14.1	<0.1
SP0012-M	104	3.7	42	<1	23.2	<0.1
SP0013-M	99	1.8	40	<1	4.1	<0.1
SP0014-M	82	7.5	180	<1	12.8	<0.1
SP0015-M	28	2.5	125	<1	29.5	<0.1
SP0016-M	62	10.0	141	<1	36.7	<0.1
SP0009-M	268	4.2	39	<1	15.5	<0.1
*Blk BLANK	<5	<0.1	<5	<1	<0.5	<0.1
*Rep SP0024-M	35	1.3	40	<1	21.7	<0.1
*Std AMIS0169	449	2.9	144	<1	106	0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_S

ERVICES_INC.

Submission Number *BBY* RENNAISSANCE

GEOSCIENCE/ SADIM/ 34 Soil samples

Number of Samples 34

ANALYSIS REPORT BBM21-10647

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0001-M	166	<0.5	51	22	<1	1330
SP0002-M	115	<0.5	104	48	<1	2360
SP0003-M	29	<0.5	107	46	<1	7770
SP0004-M	139	<0.5	40	15	<1	8090
SP0005-M	112	<0.5	46	22	<1	1390
SP0006-M	4	<0.5	80	23	<1	3650
SP0018-M	138	<0.5	146	53	<1	450
SP0019-M	178	<0.5	80	32	<1	4670
SP0020-M	136	<0.5	87	28	<1	3200
SP0021-M	74	<0.5	67	34	<1	3720
SP0022-M	18	9.0	23	5	<1	1680
SP0023-M	41	<0.5	54	34	<1	2540
SP0024-M	27	<0.5	54	42	<1	7270
SP0025-M	162	<0.5	108	64	<1	4400
SP0026-M	22	<0.5	74	89	<1	5980
SP0027-M	32	<0.5	56	36	<1	2530
SP0028-M	189	<0.5	69	19	<1	710
SP0029-M	28	<0.5	50	33	<1	4930
SP0030-M	194	<0.5	72	21	<1	1160
SP0031-M	164	<0.5	55	20	<1	2040
SP0032-M	17	<0.5	34	28	<1	3740
SP0033-M	71	<0.5	51	24	<1	4320
SP0034-M	67	0.9	63	23	<1	5030
SP0035-M	66	<0.5	161	54	<1	2320
SP0036-M	102	<0.5	16	6	<1	2320
SP0037-M	97	<0.5	59	55	<1	4860
SP0010-M	109	<0.5	92	29	<1	1920

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* RENNAISSANCE

GEOSCIENCE/ SADIM/ 34 Soil samples

Number of Samples 34

ANALYSIS REPORT BBM21-10647

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0011-M	49	<0.5	42	20	<1	2630
SP0012-M	40	<0.5	86	31	<1	2070
SP0013-M	178	<0.5	35	8	<1	4120
SP0014-M	188	<0.5	42	18	<1	770
SP0015-M	139	<0.5	51	40	<1	700
SP0016-M	154	<0.5	55	46	<1	1390
SP0009-M	99	0.6	57	25	<1	1930
*Blk BLANK	<1	<0.5	<5	<1	<1	<10
*Rep SP0024-M	27	<0.5	57	40	<1	7250
*Std AMIS0169	259	1.1	63	65	<1	100

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0001-M	<1	3.8	<10	10.1	140	0.3
SP0002-M	<1	9.4	<10	7.6	30	0.3
SP0003-M	<1	8.7	<10	12.6	30	0.1
SP0004-M	<1	2.5	<10	12.5	140	0.2
SP0005-M	<1	3.9	<10	12.3	220	0.2
SP0006-M	<1	6.6	<10	6.4	<10	<0.1
SP0018-M	<1	13.2	<10	17.2	320	0.3
SP0019-M	<1	6.7	<10	8.9	70	0.3
SP0020-M	<1	5.6	<10	15.2	270	0.2
SP0021-M	<1	6.8	<10	10.0	40	0.2
SP0022-M	<1	1.5	<10	2.2	20	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* RENNAISSANCE

GEOSCIENCE/ SADIM/ 34 Soil samples

Number of Samples 34

ANALYSIS REPORT BBM21-10647

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0023-M	<1	6.8	<10	10.1	60	0.2
SP0024-M	<1	9.1	<10	8.2	30	0.2
SP0025-M	<1	13.2	<10	6.2	30	0.6
SP0026-M	<1	22.1	<10	5.3	20	<0.1
SP0027-M	<1	6.9	<10	22.0	80	<0.1
SP0028-M	<1	3.7	<10	10.1	130	0.4
SP0029-M	<1	6.9	<10	6.5	50	<0.1
SP0030-M	<1	4.5	<10	7.0	60	0.5
SP0031-M	<1	3.8	<10	6.3	50	0.3
SP0032-M	<1	6.6	<10	7.5	20	<0.1
SP0033-M	<1	4.3	<10	13.1	80	0.2
SP0034-M	<1	5.2	<10	11.0	30	0.1
SP0035-M	<1	11.0	<10	18.9	190	0.2
SP0036-M	<1	1.2	<10	3.0	90	0.2
SP0037-M	<1	9.9	<10	8.9	40	0.3
SP0010-M	<1	5.7	<10	11.9	80	0.3
SP0011-M	<1	3.7	<10	9.6	50	0.2
SP0012-M	<1	5.2	<10	11.4	100	0.2
SP0013-M	<1	2.1	<10	2.2	40	0.2
SP0014-M	<1	4.6	<10	8.8	630	0.2
SP0015-M	<1	7.2	<10	9.1	280	0.2
SP0016-M	<1	7.6	<10	11.4	380	0.3
SP0009-M	<1	4.5	<10	8.1	90	0.2
*Blk BLANK	<1	<0.1	<10	<0.5	10	<0.1
*Rep SP0024-M	<1	8.9	<10	8.0	30	0.1
*Std AMIS0169	<1	6.0	<10	79.8	370	1.5

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* RENNAISSANCE

GEOSCIENCE/ SADIM/ 34 Soil samples

Number of Samples 34

ANALYSIS REPORT BBM21-10647

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0001-M	21.7	<0.5	105	9.8	360	166
SP0002-M	24.2	<0.5	311	25.9	370	105
SP0003-M	29.5	<0.5	227	19.0	100	147
SP0004-M	18.5	<0.5	69	6.9	140	135
SP0005-M	20.3	0.6	94	8.3	540	206
SP0006-M	12.7	<0.5	281	29.7	90	14
SP0018-M	21.4	<0.5	440	45.6	310	261
SP0019-M	25.9	<0.5	209	20.4	210	136
SP0020-M	38.4	<0.5	169	17.9	1050	253
SP0021-M	26.6	<0.5	190	18.0	390	127
SP0022-M	8.4	<0.5	43	5.1	200	21
SP0023-M	29.5	<0.5	181	16.8	740	116
SP0024-M	21.2	<0.5	304	25.7	220	69
SP0025-M	27.3	<0.5	475	44.0	60	142
SP0026-M	27.2	<0.5	796	78.9	290	39
SP0027-M	27.3	<0.5	171	18.2	140	155
SP0028-M	28.1	<0.5	126	12.2	280	216
SP0029-M	11.9	<0.5	202	19.2	410	47
SP0030-M	23.0	<0.5	170	16.5	350	137
SP0031-M	24.7	<0.5	108	10.6	360	121
SP0032-M	22.0	<0.5	151	12.9	230	50
SP0033-M	24.6	<0.5	123	12.1	150	157
SP0034-M	18.1	<0.5	145	16.7	240	87
SP0035-M	35.0	<0.5	331	34.5	1170	271
SP0036-M	16.9	<0.5	37	4.1	390	57
SP0037-M	30.8	<0.5	288	25.6	40	141
SP0010-M	28.4	<0.5	154	13.2	460	243

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* RENNAISSANCE

GEOSCIENCE/ SADIM/ 34 Soil samples

Number of Samples 34

ANALYSIS REPORT BBM21-10647

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0011-M	18.4	<0.5	97	9.5	340	102
SP0012-M	19.4	<0.5	137	14.0	700	163
SP0013-M	8.5	<0.5	88	10.0	1970	19
SP0014-M	11.6	0.7	181	19.8	540	177
SP0015-M	30.4	<0.5	264	22.9	420	174
SP0016-M	28.7	0.6	220	19.8	560	247
SP0009-M	20.9	<0.5	115	11.6	1050	118
*Blk BLANK	<0.5	<0.5	<1	<0.2	<10	<2
*Rep SP0024-M	20.2	<0.5	305	25.1	230	66
*Std AMIS0169	25.3	1.6	136	10.1	230	56

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

To COD SGS MINERALS - GEOCHEM VANCOUVER
RENAISSANCE GEOSCIENCE SERVICES INC - LE LINDINGER
SGS CANADA INC
3260 PRODUCTION WAY
BURNABY V5A 4W4
BC
CANADA

Project	RENNAISSANCE_GEOSCIENCE_SERVICES_INC.	Date Received	05-Jul-2021
		Date Analysed	08-Jul-2021 - 07-Aug-2021
		Date Completed	10-Aug-2021
Submission Number	*BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils	SGS Order Number	BBM21-10857
Number of Samples	226		

Methods Summary

Number of Sample	Method Code	Description
226	G_WGH_KG	Weight of samples received
226	GE_DIGMMI	Mobile Metal ION analyses
226	GE_MMIM	Mobile Metal ION standard package,ICP-MS

Authorised Signatory

John Chiang
Laboratory Operations Manager

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- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
SP0038	0.45	23.5	109	10	<0.1	5180
SP0039	0.43	19.3	54	10	0.4	6410
SP0040	0.44	10.5	29	<10	<0.1	3210
SP0041	0.45	13.8	52	<10	<0.1	5330
SP0042	0.37	15.0	96	<10	<0.1	2860
SP0043	0.40	18.1	175	10	<0.1	1260
SP0044	0.42	18.3	134	<10	<0.1	1440
SP0045	0.38	14.0	144	<10	0.1	1920
SP0046	0.44	15.3	60	<10	<0.1	3010
SP0047	0.55	17.0	132	<10	<0.1	1110
SP0048	0.79	9.1	52	<10	0.1	2000
SP0049	0.57	15.0	20	<10	0.3	4570
SP0050	0.48	37.4	155	<10	<0.1	1830
SP0051	0.38	41.0	175	10	<0.1	680
SP0052	0.38	9.6	120	20	<0.1	4340
SP0053	0.65	31.4	109	10	0.2	2250
SP0054	0.44	21.7	129	10	0.1	1850
SP0055	0.38	20.0	168	20	<0.1	1220
SP0056	0.46	33.6	86	<10	0.2	2950
SP0057	0.68	17.1	25	<10	0.4	2190
SP0058	0.48	20.3	157	10	0.1	1520
SP0059	0.58	30.8	146	<10	0.1	2240
SP0060	0.53	24.7	88	10	0.1	2140
SP0061	0.38	32.0	223	10	<0.1	1810
SP0062	0.63	18.8	49	<10	0.3	4340
SP0063	0.52	22.3	107	<10	0.3	5220
SP0064	0.42	25.3	92	<10	0.2	2040
SP0065	0.49	43.9	99	<10	0.2	3990

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
SP0066	0.58	17.7	93	<10	0.3	3540
SP0067	0.50	11.6	93	<10	0.2	4600
SP0068	0.47	23.3	77	<10	0.3	4930
SP0069	0.51	26.1	78	<10	0.1	4470
SP0070	0.41	18.8	122	<10	0.2	1170
SP0071	0.41	44.1	56	<10	1.2	3440
SP0072	0.60	10.5	42	<10	0.5	4990
SP0073	0.48	10.5	53	<10	<0.1	2960
SP0074	0.28	10.2	186	10	<0.1	2660
SP0075	0.36	10.5	177	<10	<0.1	870
SP0076	0.43	12.9	178	<10	<0.1	3690
SP0077	0.50	55.8	37	<10	0.2	3610
SP0078	0.45	11.2	73	<10	0.1	9050
SP0079	0.48	23.6	71	<10	0.2	5290
SP0080	0.45	15.3	157	<10	0.1	2100
SP0081	0.39	7.6	66	<10	0.2	4390
SP0082	0.60	10.0	94	<10	0.2	4030
SP0083	0.58	24.9	32	<10	<0.1	6670
SP0084	0.60	12.8	19	<10	0.3	6500
SP0085	0.50	10.0	249	10	<0.1	2470
SP0086	0.53	31.6	102	<10	<0.1	5790
SP0087	0.59	23.1	145	<10	0.1	3080
SP0088	0.52	15.9	151	<10	<0.1	1060
SP0089	0.45	39.8	87	<10	0.1	4090
SP0090	0.41	78.8	9	<10	0.2	4830
SP0091	0.57	24.0	51	<10	0.1	6440
SP0092	0.43	20.9	130	<10	0.1	2770
SP0093	0.52	10.8	63	10	0.2	4770

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
SP0094	0.49	20.8	99	<10	<0.1	1130
SP0095	0.51	11.5	33	<10	0.1	8500
SP0096	0.42	25.3	78	10	<0.1	300
SP0097	0.62	21.5	23	<10	0.1	7300
SP0098	0.55	5.9	12	<10	0.1	1580
SP0099	0.57	9.2	162	<10	<0.1	1850
SP0100	0.56	31.6	16	20	2.0	2000
SP0101	0.53	20.0	77	<10	0.1	1870
SP0102	0.49	33.1	24	<10	<0.1	12400
SP0103	0.54	27.6	57	<10	0.6	4080
SP0104	0.55	30.4	159	<10	<0.1	630
SP0105	0.42	21.3	143	10	<0.1	1300
SP0106	0.43	43.9	92	<10	0.1	1560
SP0107	0.62	17.8	50	<10	0.6	2260
SP0108	0.58	18.9	73	<10	0.1	2020
SP0109	0.63	35.3	88	<10	0.4	2730
SP0110	0.47	17.2	116	<10	0.2	5940
SP0111	0.53	26.1	179	10	0.2	1650
SP0112	0.47	22.5	119	<10	<0.1	3400
SP0113	0.41	23.1	79	<10	0.2	3630
SP0114	0.51	8.4	112	<10	<0.1	4500
SP0115	0.57	21.8	105	<10	<0.1	2740
SP0116	0.49	15.0	119	<10	<0.1	3270
SP0117	0.53	12.0	28	<10	0.4	4450
SP0118	0.52	6.2	54	<10	0.4	4650
SP0119	0.57	51.9	37	10	0.2	1090
SP0120	0.52	9.0	77	<10	<0.1	6850
SP0121	0.52	26.6	60	<10	<0.1	3330

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils

Number of Samples 226

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
SP0122	0.44	27.0	24	<10	0.2	8730
SP0123	0.46	54.7	13	10	1.5	3350
SP0124	0.50	13.6	83	<10	0.1	3380
SP0125	0.45	31.4	57	<10	0.1	9560
SP0126	0.55	4.0	116	<10	4.6	1380
SP0127	0.54	9.2	105	<10	<0.1	1160
SP0128	0.49	8.2	124	<10	0.4	9570
SP0129	0.53	22.3	57	<10	0.2	2630
SP0130	0.40	11.6	83	10	0.1	1770
SP0131	0.49	11.5	88	<10	0.2	3500
SP0132	0.55	14.6	35	<10	0.2	3200
SP0133	0.50	2.3	118	<10	<0.1	1030
SP0134	0.44	9.2	144	<10	<0.1	2260
SP0135	0.48	4.4	110	<10	5.1	2740
SP0136	0.62	10.0	56	<10	0.2	2250
SP0137	0.57	6.7	61	<10	0.3	6650
SP0138	0.43	12.6	23	<10	0.2	2730
SP0139	0.46	5.3	25	<10	0.2	4690
SP0140	0.48	12.9	33	<10	<0.1	5400
SP0141	0.44	23.2	57	<10	0.1	2730
SP0142	0.41	7.8	87	<10	<0.1	2010
SP0143	0.45	15.5	140	<10	<0.1	2280
SP0144	0.46	23.8	26	<10	0.1	3500
SP0145	0.40	18.8	126	<10	<0.1	1380
SP0146	0.40	24.5	15	<10	0.3	4050
SP0147	0.45	18.8	58	<10	<0.1	2760
SP0148	0.34	16.1	142	<10	<0.1	3530
SP0149	0.46	12.9	63	<10	<0.1	7120

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils

Number of Samples 226

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
SP0150	0.21	9.5	21	<10	0.2	7360
SP0151	0.53	6.7	28	<10	0.2	6370
SP0152	0.46	11.7	36	<10	0.2	8440
SP0153	0.59	9.7	50	<10	0.1	4380
SP0154	0.49	16.2	42	<10	<0.1	9790
SP0155	0.64	9.4	26	<10	<0.1	16300
SP0156	0.39	11.8	50	<10	0.2	12000
SP0157	0.51	40.9	21	<10	<0.1	15200
SP0158	0.40	24.6	47	<10	0.3	6930
SP0159	0.43	9.4	57	<10	0.1	5080
SP0160	0.52	19.7	44	<10	0.4	16600
SP0161	0.29	2.6	66	<10	0.4	3790
SP0162	0.34	11.4	62	<10	0.2	1960
SP0163	0.47	9.3	122	<10	0.1	2610
SP0164	0.40	9.0	86	<10	0.2	1720
SP0165	0.40	13.3	53	<10	0.1	6130
SP0166	0.35	13.5	33	<10	0.5	7210
SP0167	0.41	9.1	59	<10	0.5	2790
SP0168	0.54	14.5	45	<10	0.3	3710
SP0169	0.49	21.8	155	10	<0.1	3460
SP0170	0.49	8.5	48	<10	1.2	7420
SP0171	0.58	16.2	24	<10	0.3	6210
SP0172	0.57	2.1	36	30	1.0	870
SP0173	0.34	8.4	47	10	0.1	6490
SP0174	0.42	24.1	66	<10	1.6	5250
SP0175	0.53	32.7	92	<10	0.1	5090
SP0176	0.41	10.9	60	<10	0.1	4630
SP0177	0.49	28.3	91	<10	0.1	4630

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils

Number of Samples 226

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
SP0179	0.50	19.2	14	20	0.2	2170
SP0180	0.47	16.5	58	<10	0.3	2980
SP0181	0.46	23.7	103	<10	0.1	4350
SP0182	0.41	25.6	105	<10	0.1	2730
SP0183	0.47	17.4	128	10	0.2	4500
SP0184	0.49	20.1	127	<10	0.2	2350
SP0185	0.42	28.5	149	<10	<0.1	1510
SP0186	0.45	30.0	145	<10	<0.1	1370
SP0187	0.59	18.5	97	<10	<0.1	3850
SP0188	0.52	26.6	67	<10	0.1	4090
SP0189	0.51	8.7	59	<10	<0.1	5720
SP0190	0.53	23.1	99	<10	0.1	3150
SP0191	0.57	17.0	140	<10	<0.1	2700
SP0192	0.49	21.7	97	<10	0.2	2490
SP0193	0.52	33.4	176	<10	<0.1	2570
SP0194	0.46	28.2	95	<10	0.3	9870
SP0195	0.54	21.8	111	<10	0.3	3410
SP0196	0.77	35.4	18	<10	0.1	2870
SP0197	0.66	25.7	117	<10	0.3	3920
SP0198	0.45	22.3	143	<10	0.1	1720
SP0199	0.81	23.1	17	<10	0.8	4630
SP0200	0.57	15.6	147	<10	0.1	2450
SP0201	0.52	12.8	205	<10	<0.1	2550
SP0202	0.60	25.8	122	<10	<0.1	3510
SP0203	0.45	15.0	97	<10	0.1	2760
SP0204	0.54	42.2	40	<10	0.1	4690
SP0205	0.58	19.8	14	<10	<0.1	3410
SP0206	0.61	9.8	20	10	<0.1	5890

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils

Number of Samples 226

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
SP0207	0.64	27.4	160	<10	0.2	1910
SP0208	0.44	12.9	145	<10	0.5	2670
SP0209	0.47	13.8	164	<10	<0.1	1610
SP0210	0.48	8.6	8	10	0.5	2730
SP0211	0.55	42.2	114	<10	0.2	1040
SP0212	0.68	49.7	131	<10	0.5	2930
SP0213	0.80	28.0	75	<10	0.3	6680
SP0214	0.61	37.7	140	10	0.3	1990
SP0215	0.50	17.3	144	<10	0.2	1800
SP0216	0.45	3.4	160	<10	<0.1	1090
SP0217	0.39	56.1	143	<10	<0.1	3200
SP0218	0.60	13.5	46	<10	0.1	2110
SP0219	0.39	6.6	34	<10	<0.1	10600
SP0220	0.62	6.8	253	<10	<0.1	1790
SP0221	0.58	28.8	152	<10	0.4	3310
SP0222	0.60	40.6	158	<10	0.1	1120
SP0223	0.67	41.0	112	<10	0.2	1170
SP0224	0.51	11.2	153	<10	<0.1	1270
SP0225	0.44	19.3	201	<10	<0.1	1450
SP0226	0.53	10.5	249	<10	<0.1	1400
SP0227	0.51	53.6	167	<10	0.5	7990
SP0228	0.60	20.7	124	<10	0.5	3250
SP0229	0.62	39.5	204	<10	<0.1	1090
SP0230	0.79	19.0	35	<10	0.4	910
SP0231	0.71	35.9	68	<10	0.7	8360
SP0232	0.47	28.3	184	<10	<0.1	990
SP0233	0.56	22.6	120	<10	0.1	1790
SP0234	0.52	17.5	63	<10	0.2	2650

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
SP0235	0.40	18.7	87	<10	<0.1	10700
SP0236	0.47	21.1	128	<10	<0.1	5140
SP0237	0.54	10.2	82	<10	<0.1	2820
SP0238	0.60	13.9	63	<10	<0.1	3630
SP0239	0.54	31.2	113	<10	0.1	4730
SP0240	0.59	21.6	27	<10	<0.1	1180
SP0241	0.55	9.8	114	<10	<0.1	3390
SP0242	0.46	37.5	143	<10	<0.1	1640
SP0243	0.37	7.9	167	10	<0.1	1630
SP0244	0.60	10.0	45	<10	0.2	7580
SP0245	0.52	13.4	63	<10	0.1	3390
SP0246	0.66	26.8	78	<10	0.6	4900
SP0247	0.56	88.8	55	<10	0.4	6210
SP0248	0.47	19.0	88	<10	<0.1	5020
SP0249	0.63	19.2	99	<10	0.2	4290
SP0250	0.61	11.6	66	<10	<0.1	3080
SP0251	0.47	9.0	59	<10	0.1	10100
SP0252	0.62	24.1	130	<10	0.2	6710
SP0253	0.56	8.2	44	<10	0.2	6260
SP0254	0.63	30.3	57	10	0.1	1890
SP0255	0.42	9.1	47	<10	<0.1	7250
SP0256	0.46	22.8	129	10	<0.1	1930
SP0257	0.62	22.6	66	<10	0.1	1150
SP0258	0.51	7.9	156	<10	<0.1	2620
SP0259	0.41	61.8	74	<10	<0.1	3300
SP0260	0.47	29.7	189	20	<0.1	1140
SP0261	0.74	39.1	138	<10	0.1	960
SP0262	0.59	56.9	136	10	0.2	1380

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
SP0263	0.59	30.7	14	<10	1.0	3860
SP0264	0.67	18.6	88	10	0.8	1880
*Rep SP0045	-	14.2	142	<10	0.1	1930
*Blk BLANK	-	<0.5	<1	<10	<0.1	<10
*Std AMIS0169	-	9.6	81	10	0.6	1010
*Rep SP0080	-	15.9	160	<10	<0.1	2040
*Rep SP0091	-	22.6	46	<10	<0.1	6530
*Rep SP0249	-	20.1	112	<10	0.2	3950
*Std AMIS0169	-	9.5	58	10	0.8	900
*Rep SP0262	-	57.1	134	10	0.2	1440
*Blk BLANK	-	<0.5	<1	<10	<0.1	<10
*Rep SP0199	-	23.1	17	<10	0.8	4960
*Rep SP0216	-	4.3	156	<10	<0.1	1070
*Std AMIS0169	-	9.0	74	10	0.6	940
*Rep SP0230	-	22.5	34	<10	0.3	910
*Blk BLANK	-	<0.5	<1	<10	<0.1	<10
*Blk BLANK	-	<0.5	<1	<10	<0.1	<10
*Rep SP0038	-	25.3	108	<10	<0.1	5270
*Std AMIS0169	-	9.9	62	20	0.5	1090
*Rep SP0154	-	16.0	42	<10	<0.1	9620
*Blk BLANK	-	<0.5	<1	<10	<0.1	<10
*Rep SP0169	-	21.6	155	<10	0.3	3420
*Std AMIS0169	-	9.2	82	<10	4.2	1030
*Rep SP0192	-	21.6	94	<10	0.1	2450
*Rep SP0106	-	45.4	96	<10	0.4	1620
*Rep SP0117	-	11.4	29	<10	0.5	3930
*Std AMIS0169	-	9.1	75	<10	0.4	880
*Blk BLANK	-	<0.5	<1	<10	<0.1	<10

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
*Rep SP0142	-	8.4	95	<10	<0.1	1940

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0038	<0.5	461	12	161	35	<100
SP0039	<0.5	602	5	57	23	<100
SP0040	<0.5	688	9	51	59	<100
SP0041	<0.5	462	7	98	38	<100
SP0042	<0.5	318	7	127	45	<100
SP0043	<0.5	207	13	80	36	<100
SP0044	<0.5	328	20	90	40	<100
SP0045	<0.5	331	11	108	36	<100
SP0046	<0.5	536	11	116	28	<100
SP0047	<0.5	142	8	134	19	<100
SP0048	<0.5	431	6	73	34	<100
SP0049	<0.5	956	21	58	57	<100
SP0050	<0.5	213	78	83	11	<100
SP0051	<0.5	184	85	68	9	<100
SP0052	<0.5	644	55	321	63	<100
SP0053	<0.5	433	42	275	13	<100
SP0054	<0.5	320	93	297	19	<100
SP0055	<0.5	223	123	107	11	<100
SP0056	<0.5	555	112	255	45	<100
SP0057	<0.5	580	79	11	18	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0058	<0.5	315	17	164	38	<100
SP0059	<0.5	285	21	211	23	<100
SP0060	<0.5	600	34	109	33	<100
SP0061	<0.5	151	38	146	30	<100
SP0062	<0.5	677	11	445	27	<100
SP0063	<0.5	412	19	170	13	<100
SP0064	<0.5	486	45	64	14	<100
SP0065	<0.5	614	14	624	42	<100
SP0066	<0.5	565	10	247	39	<100
SP0067	<0.5	674	6	570	59	<100
SP0068	<0.5	560	11	256	24	<100
SP0069	<0.5	497	9	157	20	<100
SP0070	<0.5	553	10	183	15	<100
SP0071	<0.5	771	45	631	281	<100
SP0072	<0.5	681	4	131	9	<100
SP0073	<0.5	722	45	75	59	<100
SP0074	<0.5	289	48	81	30	<100
SP0075	<0.5	175	16	85	24	<100
SP0076	<0.5	289	10	307	33	<100
SP0077	<0.5	718	5	49	9	<100
SP0078	<0.5	495	8	376	32	<100
SP0079	<0.5	524	8	193	28	<100
SP0080	<0.5	241	9	105	12	<100
SP0081	<0.5	826	4	110	16	<100
SP0082	<0.5	633	19	551	65	<100
SP0083	<0.5	654	6	173	31	<100
SP0084	<0.5	775	6	62	42	<100
SP0085	<0.5	166	15	281	42	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0086	<0.5	377	11	125	12	<100
SP0087	<0.5	263	8	188	25	<100
SP0088	<0.5	271	9	99	7	<100
SP0089	<0.5	425	8	110	14	<100
SP0090	<0.5	385	11	8	73	<100
SP0091	<0.5	640	8	234	30	<100
SP0092	<0.5	315	8	202	10	<100
SP0093	<0.5	709	9	87	42	<100
SP0094	<0.5	208	5	48	9	<100
SP0095	<0.5	729	4	417	41	<100
SP0096	<0.5	415	8	15	10	<100
SP0097	<0.5	588	4	73	24	<100
SP0098	<0.5	389	8	4	37	<100
SP0099	<0.5	293	11	211	28	<100
SP0100	<0.5	849	73	7	49	<100
SP0101	<0.5	469	7	118	15	<100
SP0102	<0.5	593	17	68	42	<100
SP0103	<0.5	551	24	70	11	<100
SP0104	<0.5	207	29	90	31	<100
SP0105	<0.5	265	22	75	12	<100
SP0106	<0.5	370	30	86	21	<100
SP0107	<0.5	433	32	329	17	<100
SP0108	<0.5	415	13	90	13	<100
SP0109	<0.5	405	8	329	26	<100
SP0110	<0.5	332	9	254	22	<100
SP0111	<0.5	152	39	212	20	<100
SP0112	<0.5	360	13	214	33	<100
SP0113	<0.5	485	37	187	15	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0114	<0.5	391	5	389	44	<100
SP0115	<0.5	450	8	202	21	<100
SP0116	<0.5	355	6	525	27	<100
SP0117	<0.5	805	9	52	10	<100
SP0118	<0.5	659	13	267	25	<100
SP0119	<0.5	594	19	81	20	<100
SP0120	<0.5	425	8	151	21	<100
SP0121	<0.5	432	9	73	12	<100
SP0122	<0.5	763	24	19	45	<100
SP0123	<0.5	979	17	18	37	<100
SP0124	<0.5	393	6	117	33	<100
SP0125	<0.5	629	4	145	17	<100
SP0126	<0.5	474	12	61	14	<100
SP0127	<0.5	269	5	41	9	<100
SP0128	<0.5	405	6	321	39	<100
SP0129	<0.5	399	3	56	25	<100
SP0130	<0.5	443	8	336	14	<100
SP0131	<0.5	423	5	587	14	<100
SP0132	<0.5	721	3	69	19	<100
SP0133	<0.5	486	3	106	9	<100
SP0134	<0.5	289	19	98	32	<100
SP0135	<0.5	494	2	657	56	<100
SP0136	<0.5	597	18	103	16	<100
SP0137	<0.5	556	4	158	27	<100
SP0138	<0.5	733	6	78	44	<100
SP0139	<0.5	806	4	43	29	<100
SP0140	<0.5	595	3	81	37	<100
SP0141	<0.5	644	6	210	36	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils

Number of Samples 226

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0142	<0.5	210	6	54	4	<100
SP0143	<0.5	350	8	80	12	<100
SP0144	<0.5	705	17	18	61	<100
SP0145	<0.5	302	10	28	9	<100
SP0146	<0.5	632	4	5	30	<100
SP0147	<0.5	638	5	118	27	<100
SP0148	<0.5	139	12	68	16	<100
SP0149	<0.5	619	13	382	105	<100
SP0150	<0.5	702	4	18	11	<100
SP0151	<0.5	870	6	111	111	<100
SP0152	<0.5	878	3	91	39	<100
SP0153	<0.5	987	3	139	95	<100
SP0154	<0.5	726	9	192	28	<100
SP0155	<0.5	767	3	60	33	<100
SP0156	<0.5	864	6	124	72	<100
SP0157	<0.5	914	3	42	44	<100
SP0158	<0.5	784	9	200	98	<100
SP0159	<0.5	781	6	308	68	<100
SP0160	<0.5	1031	5	80	37	<100
SP0161	<0.5	845	11	62	119	<100
SP0162	<0.5	863	4	99	37	<100
SP0163	<0.5	512	4	57	14	<100
SP0164	<0.5	611	3	44	35	<100
SP0165	<0.5	806	4	236	10	<100
SP0166	<0.5	940	4	92	108	<100
SP0167	<0.5	576	6	438	20	<100
SP0168	<0.5	531	4	93	41	<100
SP0169	<0.5	350	25	235	66	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0170	<0.5	631	5	152	24	<100
SP0171	<0.5	767	7	118	37	<100
SP0172	<0.5	640	4	6	14	<100
SP0173	<0.5	791	12	321	73	<100
SP0174	<0.5	950	7	217	51	<100
SP0175	<0.5	508	10	210	32	<100
SP0176	<0.5	524	8	84	14	<100
SP0177	<0.5	409	6	62	21	<100
SP0179	<0.5	697	7	<2	34	<100
SP0180	<0.5	529	13	176	29	<100
SP0181	<0.5	291	6	120	50	<100
SP0182	<0.5	254	5	68	14	<100
SP0183	<0.5	376	4	202	63	<100
SP0184	<0.5	319	10	132	27	<100
SP0185	<0.5	224	8	60	12	<100
SP0186	<0.5	229	6	64	25	<100
SP0187	<0.5	616	12	150	36	<100
SP0188	<0.5	494	7	73	34	<100
SP0189	<0.5	429	8	82	22	<100
SP0190	<0.5	380	5	68	33	<100
SP0191	<0.5	266	6	90	29	<100
SP0192	<0.5	381	5	133	31	<100
SP0193	<0.5	196	8	172	40	<100
SP0194	<0.5	463	9	238	74	<100
SP0195	<0.5	210	5	184	37	<100
SP0196	<0.5	489	5	75	123	<100
SP0197	<0.5	234	4	248	65	<100
SP0198	<0.5	152	6	125	29	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0199	<0.5	539	2	65	59	<100
SP0200	<0.5	228	6	112	29	<100
SP0201	<0.5	153	8	163	43	<100
SP0202	<0.5	295	9	168	29	<100
SP0203	<0.5	363	6	141	40	<100
SP0204	<0.5	650	8	49	37	<100
SP0205	<0.5	552	2	28	126	<100
SP0206	<0.5	574	5	36	17	<100
SP0207	<0.5	210	5	160	67	<100
SP0208	<0.5	192	7	99	22	<100
SP0209	<0.5	183	7	119	35	<100
SP0210	<0.5	761	5	17	180	<100
SP0211	<0.5	151	8	93	17	<100
SP0212	<0.5	185	5	134	128	<100
SP0213	<0.5	286	4	182	45	<100
SP0214	<0.5	193	5	232	74	<100
SP0215	<0.5	181	6	149	45	<100
SP0216	<0.5	103	32	57	26	<100
SP0217	<0.5	288	72	93	22	<100
SP0218	<0.5	711	14	112	30	<100
SP0219	<0.5	757	4	77	17	<100
SP0220	<0.5	39	8	174	122	<100
SP0221	<0.5	252	7	123	69	<100
SP0222	<0.5	146	8	157	35	<100
SP0223	<0.5	206	8	73	26	<100
SP0224	<0.5	156	10	77	17	<100
SP0225	<0.5	149	21	77	38	<100
SP0226	<0.5	30	5	491	50	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0227	<0.5	280	13	121	47	<100
SP0228	<0.5	293	5	386	75	<100
SP0229	<0.5	143	13	158	43	<100
SP0230	<0.5	434	9	30	78	<100
SP0231	<0.5	383	3	140	83	<100
SP0232	<0.5	114	18	109	53	<100
SP0233	<0.5	219	8	138	31	<100
SP0234	<0.5	703	6	142	49	<100
SP0235	<0.5	421	9	76	22	<100
SP0236	<0.5	289	12	65	17	<100
SP0237	<0.5	646	7	157	14	<100
SP0238	<0.5	464	7	38	36	<100
SP0239	<0.5	278	15	114	41	<100
SP0240	<0.5	774	10	49	67	<100
SP0241	<0.5	307	5	75	38	<100
SP0242	<0.5	257	21	100	28	<100
SP0243	<0.5	253	26	97	47	<100
SP0244	<0.5	852	4	146	49	<100
SP0245	<0.5	762	16	106	39	<100
SP0246	<0.5	747	8	648	60	<100
SP0247	<0.5	511	10	91	122	<100
SP0248	<0.5	332	4	146	62	<100
SP0249	<0.5	359	5	144	45	<100
SP0250	<0.5	587	13	28	27	<100
SP0251	<0.5	743	8	155	66	<100
SP0252	<0.5	294	7	156	54	<100
SP0253	<0.5	972	4	204	96	<100
SP0254	<0.5	391	12	106	85	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0255	<0.5	797	13	196	46	<100
SP0256	<0.5	264	8	95	32	<100
SP0257	<0.5	352	17	128	63	<100
SP0258	<0.5	219	16	149	26	<100
SP0259	<0.5	529	18	21	66	<100
SP0260	<0.5	216	13	162	68	<100
SP0261	<0.5	220	12	170	45	<100
SP0262	<0.5	193	9	212	58	<100
SP0263	<0.5	777	9	10	39	<100
SP0264	<0.5	243	6	320	101	<100
*Rep SP0045	<0.5	324	10	110	31	<100
*Blk BLANK	<0.5	<2	<1	<2	<1	<100
*Std AMIS0169	<0.5	36	2	814	107	100
*Rep SP0080	<0.5	233	9	106	13	<100
*Rep SP0091	<0.5	618	8	219	30	<100
*Rep SP0249	<0.5	341	5	156	44	<100
*Std AMIS0169	<0.5	37	2	695	100	100
*Rep SP0262	<0.5	186	9	213	66	<100
*Blk BLANK	<0.5	<2	<1	<2	<1	<100
*Rep SP0199	<0.5	544	2	67	59	<100
*Rep SP0216	<0.5	104	30	60	24	<100
*Std AMIS0169	<0.5	33	2	697	100	100
*Rep SP0230	<0.5	457	9	28	68	<100
*Blk BLANK	<0.5	<2	<1	<2	<1	<100
*Blk BLANK	<0.5	<2	<1	<2	<1	<100
*Rep SP0038	<0.5	486	13	157	37	<100
*Std AMIS0169	<0.5	40	2	828	111	100
*Rep SP0154	<0.5	680	9	204	28	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
*Blk BLANK	<0.5	<2	<1	<2	<1	<100
*Rep SP0169	<0.5	342	24	232	63	<100
*Std AMIS0169	<0.5	39	2	691	106	100
*Rep SP0192	<0.5	368	5	134	30	<100
*Rep SP0106	<0.5	379	30	89	22	<100
*Rep SP0117	<0.5	866	9	47	10	<100
*Std AMIS0169	<0.5	33	2	796	92	<100
*Blk BLANK	<0.5	<2	<1	<2	<1	<100
*Rep SP0142	<0.5	219	7	56	5	<100

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
SP0038	1.9	550	22.9	12.4	6.3	49
SP0039	0.8	340	9.2	5.0	3.0	40
SP0040	0.3	520	37.5	20.3	12.9	28
SP0041	0.2	310	14.5	7.3	4.4	52
SP0042	0.8	490	23.6	13.1	6.5	61
SP0043	5.1	440	18.1	11.0	3.7	106
SP0044	4.2	560	19.3	11.2	4.4	79
SP0045	3.3	450	27.0	16.6	6.1	79
SP0046	1.4	1060	44.2	24.6	12.5	30
SP0047	5.0	560	28.6	16.0	7.5	45
SP0048	0.8	1460	13.4	7.4	4.3	49
SP0049	3.1	4120	83.2	48.9	20.0	14

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
SP0050	31.1	640	16.8	9.8	4.4	50
SP0051	29.8	770	13.8	7.9	3.5	65
SP0052	16.1	570	48.1	28.3	11.4	94
SP0053	4.1	1560	30.6	16.2	8.2	68
SP0054	3.3	2020	103	60.6	27.5	98
SP0055	10.6	840	27.3	16.2	6.7	69
SP0056	6.2	5540	74.5	46.1	22.7	47
SP0057	1.2	11800	10.8	6.5	3.3	11
SP0058	7.3	1150	42.9	26.3	9.9	67
SP0059	6.0	1050	34.4	19.2	9.4	59
SP0060	0.8	570	14.9	7.8	3.6	54
SP0061	11.9	540	16.9	10.0	4.8	94
SP0062	0.8	940	74.2	35.9	19.8	28
SP0063	6.1	2160	23.6	12.6	6.8	40
SP0064	1.5	440	6.1	3.9	1.6	48
SP0065	0.7	6730	133	71.2	41.3	60
SP0066	0.8	770	25.6	13.2	6.8	56
SP0067	0.8	1100	86.9	42.6	23.2	23
SP0068	1.4	4480	39.4	19.2	11.9	40
SP0069	0.9	730	14.5	6.6	4.9	35
SP0070	1.9	460	82.8	48.1	28.7	17
SP0071	0.5	12000	126	77.9	36.6	29
SP0072	1.1	900	32.3	17.4	11.7	27
SP0073	1.3	1310	45.0	25.7	12.2	26
SP0074	17.7	350	13.1	7.6	3.5	76
SP0075	13.6	500	22.9	16.2	4.5	105
SP0076	8.3	890	51.6	28.2	11.8	108
SP0077	1.0	690	33.1	17.5	9.2	28

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
SP0078	2.1	730	49.6	24.7	14.2	34
SP0079	1.1	660	26.2	13.5	7.9	51
SP0080	14.7	650	25.6	15.0	5.6	51
SP0081	1.7	5460	53.9	28.2	16.2	23
SP0082	1.4	1070	42.2	20.7	11.9	56
SP0083	0.4	640	28.5	13.9	9.7	41
SP0084	0.9	780	18.9	8.9	5.7	21
SP0085	12.8	360	31.7	17.8	7.2	115
SP0086	3.3	570	46.8	25.8	14.2	35
SP0087	10.7	1200	34.5	20.8	9.2	51
SP0088	4.9	530	27.3	14.4	6.6	48
SP0089	1.8	570	17.0	8.1	4.7	44
SP0090	0.7	3650	11.1	7.6	2.5	6
SP0091	1.3	960	34.1	17.3	9.7	49
SP0092	4.7	630	36.9	20.6	11.0	57
SP0093	1.6	740	15.9	9.3	4.1	35
SP0094	5.7	160	12.0	5.9	3.2	31
SP0095	1.2	1100	93.5	43.8	27.5	21
SP0096	5.2	340	5.0	2.9	1.2	10
SP0097	2.0	740	18.0	9.8	6.0	16
SP0098	4.6	1300	1.5	1.1	0.4	9
SP0099	3.1	500	47.6	26.3	11.7	84
SP0100	1.8	6420	10.6	6.9	2.9	16
SP0101	4.9	520	20.1	10.3	5.6	49
SP0102	2.1	1390	29.6	14.8	10.2	13
SP0103	3.1	2110	49.2	27.9	14.6	27
SP0104	11.7	550	15.9	9.8	3.8	62
SP0105	14.6	330	12.2	6.8	3.2	48

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
SP0106	10.0	4270	23.9	13.6	7.1	37
SP0107	1.5	2870	162	86.6	56.7	32
SP0108	3.1	440	11.7	6.1	3.6	34
SP0109	6.3	1980	49.0	24.9	13.8	50
SP0110	3.0	460	31.8	16.4	9.6	45
SP0111	17.1	1110	37.0	20.5	9.6	58
SP0112	4.5	310	31.1	16.3	9.2	51
SP0113	3.1	1550	63.7	36.1	20.5	44
SP0114	5.6	230	36.3	18.4	10.9	59
SP0115	2.6	230	24.2	11.5	7.4	45
SP0116	3.1	430	94.3	49.2	32.3	56
SP0117	1.4	430	43.0	22.8	16.1	14
SP0118	0.5	400	102	55.1	36.1	31
SP0119	0.6	600	14.8	7.7	4.8	29
SP0120	1.7	230	16.2	8.1	5.6	29
SP0121	3.7	370	15.1	7.9	4.7	32
SP0122	2.1	1360	8.3	4.9	3.4	13
SP0123	3.3	15400	20.5	12.2	5.4	14
SP0124	0.6	280	16.0	8.0	4.8	51
SP0125	3.2	1230	60.3	30.8	20.0	17
SP0126	1.8	260	10.3	6.2	2.8	42
SP0127	12.1	2360	18.8	11.3	5.3	15
SP0128	1.9	210	52.5	27.0	15.2	56
SP0129	0.7	290	8.2	4.2	2.4	42
SP0130	2.7	560	79.6	42.5	26.4	64
SP0131	6.3	400	92.1	49.0	25.3	29
SP0132	1.6	590	10.0	5.3	3.1	36
SP0133	1.6	210	59.1	33.6	19.2	12

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
SP0134	2.1	160	9.7	5.5	2.6	77
SP0135	0.7	600	183	99.0	57.7	91
SP0136	0.6	480	13.7	6.7	4.4	32
SP0137	0.3	680	17.7	8.8	5.8	37
SP0138	0.7	1770	27.9	15.4	8.0	26
SP0139	0.7	460	38.9	20.3	10.3	14
SP0140	0.6	640	18.8	9.7	5.2	26
SP0141	1.8	880	87.5	53.1	20.9	34
SP0142	7.4	330	44.0	30.9	7.8	19
SP0143	10.5	440	56.3	38.5	12.2	34
SP0144	4.0	3040	16.5	10.9	4.7	14
SP0145	21.4	620	13.6	8.8	2.4	38
SP0146	0.5	1850	8.9	4.9	2.4	10
SP0147	0.6	540	33.3	17.6	9.5	36
SP0148	5.8	360	29.6	19.7	7.6	48
SP0149	2.7	1100	12.0	5.8	4.9	21
SP0150	0.4	1290	25.9	13.1	7.5	14
SP0151	7.7	1030	85.6	53.6	20.7	14
SP0152	3.6	750	56.7	28.1	13.2	14
SP0153	2.9	970	101	60.7	22.1	17
SP0154	1.0	290	22.3	11.1	7.3	32
SP0155	1.2	400	58.9	32.0	16.4	17
SP0156	0.7	1190	56.3	31.0	14.5	17
SP0157	4.0	1030	40.0	22.1	10.9	16
SP0158	2.3	1980	143	89.3	34.3	28
SP0159	1.8	510	102	59.8	22.1	22
SP0160	<0.2	970	109	72.6	22.9	23
SP0161	18.0	480	56.0	40.0	12.1	13

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
SP0162	4.9	450	66.5	38.5	15.5	16
SP0163	11.1	600	34.9	24.5	7.2	28
SP0164	4.9	2330	32.2	18.3	8.3	11
SP0165	1.0	930	78.4	40.1	18.8	20
SP0166	10.3	630	126	82.4	26.9	15
SP0167	0.5	580	59.6	32.2	18.7	47
SP0168	3.6	840	10.0	5.5	3.1	63
SP0169	2.8	710	29.2	16.0	6.8	89
SP0170	1.4	1080	41.6	21.5	11.6	23
SP0171	0.6	1090	76.6	39.1	21.1	16
SP0172	0.4	1940	2.6	1.8	0.8	12
SP0173	0.5	690	69.8	37.6	20.7	31
SP0174	5.4	5500	159	112	37.2	25
SP0175	3.7	790	44.7	25.8	11.3	35
SP0176	1.2	740	18.7	10.1	5.2	34
SP0177	1.8	490	9.3	5.0	3.1	37
SP0179	20.7	9760	1.9	1.6	0.5	14
SP0180	2.1	600	18.6	9.9	5.3	47
SP0181	1.6	670	10.0	5.4	3.4	72
SP0182	4.1	750	18.4	10.0	5.0	41
SP0183	2.2	770	27.3	14.3	7.9	89
SP0184	3.7	1100	56.5	34.9	13.7	63
SP0185	6.1	570	25.9	16.8	5.9	59
SP0186	2.8	740	25.8	16.7	5.6	73
SP0187	0.6	590	20.9	11.6	5.6	53
SP0188	0.5	540	36.3	18.0	11.0	49
SP0189	0.6	250	51.0	29.3	14.2	37
SP0190	1.4	360	8.6	4.5	2.6	50

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
SP0191	2.9	570	15.6	8.6	4.3	56
SP0192	0.8	680	25.9	13.8	7.2	62
SP0193	5.9	790	35.9	22.1	7.6	86
SP0194	0.8	3050	63.9	37.6	15.6	49
SP0195	3.0	1320	42.7	23.9	11.0	56
SP0196	0.3	3180	15.0	8.3	5.1	23
SP0197	4.3	2010	27.9	14.2	7.9	48
SP0198	3.7	550	27.0	15.8	6.3	63
SP0199	0.3	3070	39.6	24.2	10.9	33
SP0200	3.1	420	15.6	8.4	4.5	65
SP0201	5.7	620	36.7	21.6	7.9	63
SP0202	1.1	410	16.5	8.3	4.5	48
SP0203	0.8	330	20.3	11.0	6.1	93
SP0204	1.0	930	21.8	13.1	5.7	35
SP0205	0.3	480	27.3	13.9	7.8	29
SP0206	<0.2	360	14.7	7.3	4.2	17
SP0207	3.0	830	23.5	14.3	5.4	88
SP0208	6.0	540	42.5	24.8	10.0	48
SP0209	4.7	740	25.3	14.7	5.4	104
SP0210	<0.2	2310	8.6	4.9	2.1	17
SP0211	4.1	650	17.3	10.0	4.9	37
SP0212	3.3	1780	15.6	8.8	4.3	86
SP0213	2.3	2660	17.3	8.3	5.0	43
SP0214	3.6	1110	37.0	20.5	9.5	84
SP0215	3.2	1340	33.7	20.8	7.6	72
SP0216	5.6	840	38.0	29.5	4.7	56
SP0217	2.8	550	21.8	13.8	4.7	47
SP0218	0.5	900	38.3	23.2	9.2	47

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
SP0219	0.5	250	10.2	5.1	3.5	20
SP0220	7.4	1370	69.2	44.9	9.6	71
SP0221	3.9	490	10.8	5.4	3.6	85
SP0222	3.8	1140	28.9	16.3	7.2	67
SP0223	3.0	990	13.0	7.2	3.4	44
SP0224	3.4	450	27.3	16.6	5.4	45
SP0225	3.9	480	20.4	13.4	3.8	78
SP0226	3.9	870	99.0	59.5	20.4	100
SP0227	2.9	1880	28.1	17.2	6.5	89
SP0228	1.4	2210	83.7	45.2	20.1	55
SP0229	5.0	1440	34.2	21.4	7.4	55
SP0230	0.5	11600	6.7	4.4	2.0	36
SP0231	1.4	4530	19.5	10.3	5.9	37
SP0232	3.7	420	20.9	13.1	4.1	102
SP0233	2.3	1510	32.1	18.8	8.0	50
SP0234	0.3	660	39.7	23.3	9.2	54
SP0235	1.3	560	36.8	22.0	9.8	31
SP0236	2.8	290	19.1	13.3	3.6	49
SP0237	4.6	900	37.9	20.3	7.8	17
SP0238	1.2	670	18.5	10.5	5.2	36
SP0239	1.6	460	44.3	29.6	9.1	44
SP0240	0.3	830	27.2	13.9	7.4	27
SP0241	2.5	880	46.7	23.5	16.5	38
SP0242	5.9	1090	19.4	11.6	4.9	54
SP0243	6.3	320	27.5	21.8	3.8	72
SP0244	1.2	700	37.9	23.6	8.6	16
SP0245	14.2	4390	60.1	37.8	13.7	13
SP0246	2.5	2200	127	67.1	28.9	36

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
SP0247	2.5	6010	15.4	9.7	4.5	18
SP0248	2.6	890	15.7	8.6	4.7	83
SP0249	2.7	670	16.8	8.9	4.4	58
SP0250	1.6	360	5.1	3.0	1.6	35
SP0251	0.7	390	37.0	23.1	8.1	27
SP0252	9.9	1050	26.3	14.8	6.2	49
SP0253	1.0	630	39.8	22.2	9.4	25
SP0254	0.5	810	38.1	21.8	11.3	29
SP0255	1.0	510	54.5	30.9	10.8	28
SP0256	5.9	440	21.6	13.9	4.6	58
SP0257	0.6	530	28.9	14.8	10.3	47
SP0258	4.4	300	26.6	16.3	6.5	55
SP0259	1.5	1110	10.1	6.3	2.4	27
SP0260	6.5	890	25.3	14.6	5.7	70
SP0261	7.2	1340	23.4	13.6	5.8	65
SP0262	6.4	1400	30.4	16.9	8.8	52
SP0263	<0.2	7610	13.2	7.6	3.2	11
SP0264	0.4	1990	51.0	26.9	14.0	61
*Rep SP0045	3.2	440	27.6	16.2	6.5	74
*Blk BLANK	<0.2	<10	<0.5	<0.2	<0.2	<1
*Std AMIS0169	7.5	3700	31.3	13.8	12.9	52
*Rep SP0080	15.3	700	26.6	15.3	5.8	52
*Rep SP0091	1.2	950	34.4	17.9	9.1	49
*Rep SP0249	3.2	660	18.1	9.6	4.9	63
*Std AMIS0169	7.6	3690	26.1	11.8	10.5	41
*Rep SP0262	6.5	1400	30.5	16.8	8.8	55
*Blk BLANK	<0.2	<10	<0.5	<0.2	<0.2	<1
*Rep SP0199	0.3	3000	39.2	23.7	11.0	31

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
*Rep SP0216	5.3	800	37.9	28.5	4.8	54
*Std AMIS0169	7.5	3590	26.1	12.0	9.8	54
*Rep SP0230	0.6	10000	7.1	4.6	2.0	28
*Blk BLANK	<0.2	<10	<0.5	<0.2	<0.2	<1
*Blk BLANK	<0.2	<10	<0.5	<0.2	<0.2	<1
*Rep SP0038	2.0	570	22.5	11.8	6.1	50
*Std AMIS0169	8.2	3960	29.5	13.4	11.5	49
*Rep SP0154	1.0	280	24.1	11.7	7.9	30
*Blk BLANK	<0.2	<10	<0.5	<0.2	<0.2	<1
*Rep SP0169	2.8	660	28.9	15.8	6.9	83
*Std AMIS0169	7.9	3670	26.5	11.7	9.9	55
*Rep SP0192	0.8	620	26.7	14.0	7.5	60
*Rep SP0106	10.5	4180	24.5	13.9	7.2	39
*Rep SP0117	1.6	470	44.5	23.9	15.1	14
*Std AMIS0169	6.8	3230	28.6	13.2	12.7	48
*Blk BLANK	<0.2	<10	<0.5	<0.2	<0.2	<1
*Rep SP0142	7.7	360	44.7	31.0	8.0	21

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0038	4.0	24.6	<1	<0.1	87.4	50
SP0039	1.9	10.9	<1	<0.1	126	26
SP0040	1.2	54.7	<1	<0.1	25.1	34
SP0041	2.9	17.6	<1	<0.1	37.3	39

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0042	4.3	27.4	<1	<0.1	97.9	48
SP0043	10.1	16.6	<1	0.1	39.6	23
SP0044	5.8	19.3	<1	0.1	48.2	30
SP0045	3.4	28.0	<1	<0.1	73.8	39
SP0046	1.3	54.4	<1	<0.1	20.2	65
SP0047	8.0	32.0	<1	<0.1	79.0	57
SP0048	2.4	16.9	<1	<0.1	13.3	33
SP0049	<0.5	87.0	<1	<0.1	242	27
SP0050	6.0	18.7	<1	<0.1	115	37
SP0051	9.4	14.5	<1	<0.1	82.0	26
SP0052	1.6	47.1	<1	0.1	13.6	106
SP0053	2.7	34.7	<1	<0.1	49.7	65
SP0054	3.8	111	<1	0.1	61.5	144
SP0055	7.3	27.5	<1	<0.1	78.9	36
SP0056	2.1	91.4	<1	<0.1	29.3	145
SP0057	0.7	12.6	<1	<0.1	24.1	7
SP0058	3.8	44.2	<1	<0.1	91.1	64
SP0059	5.4	38.7	<1	<0.1	30.7	81
SP0060	2.6	14.8	<1	<0.1	76.3	28
SP0061	13.5	17.4	<1	0.1	74.0	48
SP0062	1.1	85.1	<1	<0.1	30.1	166
SP0063	4.4	28.8	<1	<0.1	65.6	65
SP0064	2.2	6.6	<1	<0.1	54.2	15
SP0065	2.1	153	<1	<0.1	47.0	261
SP0066	1.7	27.0	<1	<0.1	25.2	69
SP0067	1.1	95.3	<1	<0.1	25.1	151
SP0068	1.8	46.2	<1	<0.1	139	105
SP0069	2.0	18.2	<1	<0.1	82.2	46

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0070	2.0	99.9	<1	<0.1	67.0	84
SP0071	1.8	151	<1	<0.1	26.3	209
SP0072	1.0	41.2	<1	<0.1	49.7	52
SP0073	1.1	51.9	<1	<0.1	150	43
SP0074	7.3	13.1	<1	<0.1	94.0	29
SP0075	12.0	20.3	<1	<0.1	62.4	33
SP0076	5.0	49.0	<1	0.1	80.7	100
SP0077	0.8	37.3	<1	<0.1	89.4	39
SP0078	1.3	53.8	<1	<0.1	47.1	100
SP0079	1.5	29.8	<1	<0.1	99.6	64
SP0080	5.9	24.4	<1	<0.1	56.4	43
SP0081	1.0	66.1	<1	<0.1	55.5	64
SP0082	1.1	47.5	<1	<0.1	32.3	122
SP0083	0.6	36.6	<1	<0.1	48.9	71
SP0084	<0.5	20.9	<1	<0.1	90.8	26
SP0085	9.7	27.9	<1	0.2	48.0	67
SP0086	3.3	58.8	<1	<0.1	78.9	96
SP0087	5.4	38.8	<1	<0.1	60.2	70
SP0088	4.1	26.3	<1	<0.1	59.8	31
SP0089	2.3	19.4	<1	<0.1	85.1	42
SP0090	<0.5	11.5	<1	<0.1	53.0	3
SP0091	1.0	39.5	<1	<0.1	40.6	76
SP0092	3.1	44.4	<1	<0.1	103	83
SP0093	0.8	17.5	<1	<0.1	73.1	26
SP0094	4.6	12.3	<1	<0.1	87.2	21
SP0095	<0.5	111	<1	<0.1	25.7	171
SP0096	1.9	6.2	<1	<0.1	135	5
SP0097	0.6	21.6	<1	<0.1	48.2	24

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0098	<0.5	1.1	<1	<0.1	29.1	<1
SP0099	3.9	46.9	<1	0.1	29.7	80
SP0100	<0.5	11.4	2	<0.1	26.3	3
SP0101	1.8	21.8	<1	<0.1	42.6	43
SP0102	0.6	38.4	<1	<0.1	41.0	51
SP0103	1.3	58.0	<1	<0.1	36.0	48
SP0104	6.4	16.4	<1	<0.1	91.2	24
SP0105	6.5	12.4	<1	<0.1	157	21
SP0106	3.4	27.5	<1	<0.1	70.9	40
SP0107	1.6	211	<1	<0.1	80.0	281
SP0108	2.3	13.5	<1	<0.1	97.4	30
SP0109	3.0	53.5	<1	<0.1	45.6	99
SP0110	4.1	37.4	<1	<0.1	47.8	88
SP0111	11.3	37.5	<1	0.1	89.3	85
SP0112	3.1	35.6	<1	<0.1	56.5	71
SP0113	2.3	72.4	<1	<0.1	45.5	91
SP0114	2.0	37.9	<1	<0.1	52.2	92
SP0115	2.0	26.7	<1	<0.1	36.7	57
SP0116	2.1	108	<1	<0.1	47.2	193
SP0117	<0.5	54.3	<1	<0.1	21.1	31
SP0118	1.2	122	<1	<0.1	33.0	133
SP0119	0.9	18.2	<1	<0.1	101	32
SP0120	1.9	19.3	<1	<0.1	54.8	49
SP0121	1.6	16.6	<1	<0.1	123	23
SP0122	<0.5	9.8	<1	<0.1	29.2	7
SP0123	<0.5	19.6	<1	<0.1	16.5	4
SP0124	2.5	16.7	<1	<0.1	83.0	41
SP0125	0.7	73.6	<1	<0.1	120	70

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0126	2.3	11.0	<1	<0.1	71.3	20
SP0127	4.0	21.3	<1	<0.1	91.6	27
SP0128	2.1	51.3	<1	0.1	108	96
SP0129	1.8	8.3	<1	<0.1	61.2	18
SP0130	3.3	87.4	<1	<0.1	66.0	155
SP0131	0.6	102	<1	<0.1	25.8	158
SP0132	0.6	10.9	<1	<0.1	105	19
SP0133	3.0	67.1	<1	<0.1	20.2	48
SP0134	4.9	9.0	<1	<0.1	53.4	18
SP0135	1.7	192	<1	0.2	29.3	303
SP0136	1.3	15.9	<1	<0.1	38.6	29
SP0137	1.2	19.2	<1	<0.1	78.2	47
SP0138	<0.5	32.4	<1	<0.1	63.2	35
SP0139	0.5	47.3	<1	<0.1	33.8	34
SP0140	0.7	21.7	<1	<0.1	54.7	37
SP0141	0.6	97.6	<1	<0.1	33.3	92
SP0142	6.1	39.0	<1	<0.1	24.8	40
SP0143	4.6	52.4	<1	<0.1	95.9	63
SP0144	0.5	19.6	<1	<0.1	28.7	15
SP0145	4.0	11.6	<1	<0.1	66.5	14
SP0146	<0.5	10.2	<1	<0.1	15.6	4
SP0147	1.0	37.4	<1	<0.1	83.3	48
SP0148	6.7	34.8	<1	<0.1	36.5	35
SP0149	1.9	15.1	<1	<0.1	46.1	50
SP0150	<0.5	29.5	<1	<0.1	224	21
SP0151	0.6	92.0	<1	<0.1	17.1	52
SP0152	<0.5	59.9	<1	<0.1	37.0	56
SP0153	0.7	114	<1	<0.1	31.2	71

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0154	0.7	27.3	<1	<0.1	42.7	73
SP0155	0.6	67.3	<1	<0.1	116	69
SP0156	<0.5	60.9	<1	<0.1	27.2	53
SP0157	<0.5	49.2	<1	<0.1	88.2	38
SP0158	<0.5	157	<1	<0.1	15.8	109
SP0159	0.7	103	<1	<0.1	42.8	100
SP0160	0.8	118	<1	<0.1	11.2	79
SP0161	0.5	54.0	<1	<0.1	28.5	24
SP0162	0.7	76.1	<1	<0.1	24.3	53
SP0163	2.1	33.4	<1	<0.1	18.2	30
SP0164	1.2	34.9	<1	<0.1	24.3	28
SP0165	0.5	80.1	<1	<0.1	27.0	105
SP0166	0.6	127	<1	<0.1	30.4	59
SP0167	1.6	67.4	<1	<0.1	24.6	145
SP0168	1.2	11.5	<1	<0.1	41.4	32
SP0169	5.9	31.4	<1	0.1	54.1	81
SP0170	1.0	49.5	<1	<0.1	16.2	90
SP0171	<0.5	91.1	<1	<0.1	55.5	99
SP0172	2.8	2.7	<1	<0.1	17.4	1
SP0173	1.0	81.6	<1	<0.1	50.6	123
SP0174	<0.5	155	<1	<0.1	92.2	92
SP0175	1.1	48.6	<1	<0.1	108	72
SP0176	1.1	21.2	<1	<0.1	70.7	34
SP0177	3.7	12.4	<1	<0.1	116	37
SP0179	0.6	1.4	<1	<0.1	29.5	<1
SP0180	1.5	20.7	<1	<0.1	86.2	51
SP0181	3.3	11.6	<1	<0.1	86.6	37
SP0182	4.2	21.1	<1	<0.1	62.4	41

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0183	3.4	30.8	<1	<0.1	55.7	69
SP0184	3.2	60.6	<1	<0.1	55.0	75
SP0185	4.3	26.9	<1	<0.1	44.7	34
SP0186	5.6	26.5	<1	<0.1	72.5	36
SP0187	2.5	22.5	<1	<0.1	26.0	47
SP0188	1.0	47.3	<1	<0.1	27.9	43
SP0189	1.2	62.6	<1	<0.1	80.6	47
SP0190	2.7	9.8	<1	<0.1	46.0	22
SP0191	4.5	16.9	<1	<0.1	34.1	29
SP0192	2.6	30.5	<1	<0.1	77.3	54
SP0193	6.6	35.1	<1	0.1	63.4	53
SP0194	1.5	68.7	<1	<0.1	38.6	109
SP0195	5.2	46.7	<1	<0.1	35.6	79
SP0196	0.9	21.8	<1	<0.1	31.7	37
SP0197	5.5	31.8	<1	<0.1	25.5	69
SP0198	7.8	27.8	<1	<0.1	50.9	55
SP0199	<0.5	47.5	<1	<0.1	11.1	52
SP0200	5.0	16.8	<1	<0.1	224	36
SP0201	10.2	34.7	<1	0.1	66.9	60
SP0202	3.0	17.8	<1	<0.1	47.0	44
SP0203	2.5	23.2	<1	<0.1	66.5	49
SP0204	0.6	26.8	<1	<0.1	115	22
SP0205	<0.5	37.4	<1	<0.1	18.1	21
SP0206	0.5	20.8	<1	<0.1	303	25
SP0207	7.7	24.3	<1	<0.1	27.9	48
SP0208	6.9	43.3	<1	<0.1	49.7	74
SP0209	8.2	24.3	<1	0.1	40.6	38
SP0210	<0.5	9.6	<1	<0.1	31.4	7

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0211	7.4	21.0	<1	<0.1	51.6	48
SP0212	6.9	16.8	<1	0.1	64.0	46
SP0213	3.7	19.1	<1	<0.1	36.2	55
SP0214	8.9	40.0	<1	<0.1	93.7	99
SP0215	5.5	34.1	<1	<0.1	18.9	52
SP0216	11.4	24.2	<1	0.1	60.1	24
SP0217	2.9	21.8	<1	<0.1	39.7	35
SP0218	0.7	40.3	<1	<0.1	21.3	44
SP0219	0.5	12.7	<1	<0.1	94.4	25
SP0220	17.9	50.3	<1	0.2	26.1	72
SP0221	5.5	12.2	<1	<0.1	90.8	37
SP0222	9.7	30.6	<1	<0.1	47.5	64
SP0223	5.8	14.7	<1	<0.1	42.0	30
SP0224	6.4	25.2	<1	<0.1	34.3	37
SP0225	11.4	16.1	<1	0.1	48.5	25
SP0226	22.1	95.3	<1	0.2	16.7	164
SP0227	5.0	28.2	<1	0.2	31.2	51
SP0228	3.7	91.0	<1	<0.1	55.5	147
SP0229	12.6	32.8	<1	<0.1	52.9	62
SP0230	1.3	8.4	<1	<0.1	12.9	12
SP0231	2.6	23.7	<1	<0.1	42.4	59
SP0232	11.4	18.5	<1	0.1	32.4	31
SP0233	4.5	34.2	<1	<0.1	24.7	59
SP0234	1.0	41.5	<1	<0.1	33.4	54
SP0235	1.6	40.9	<1	<0.1	44.2	47
SP0236	4.0	17.4	<1	<0.1	40.5	30
SP0237	1.0	44.7	<1	<0.1	87.6	74
SP0238	1.5	22.5	<1	<0.1	101	24

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils

Number of Samples 226

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0239	3.2	45.5	<1	<0.1	35.0	48
SP0240	0.6	34.5	<1	<0.1	40.4	20
SP0241	2.6	66.1	<1	<0.1	39.6	50
SP0242	10.5	21.4	<1	<0.1	107	46
SP0243	11.9	21.9	<1	0.2	32.6	36
SP0244	1.4	39.4	<1	<0.1	18.9	50
SP0245	1.9	64.9	<1	<0.1	38.3	51
SP0246	4.7	130	<1	<0.1	15.4	226
SP0247	2.5	19.2	<1	<0.1	24.3	28
SP0248	6.3	17.8	<1	<0.1	46.2	52
SP0249	5.6	18.7	<1	<0.1	23.3	52
SP0250	2.4	6.1	<1	<0.1	21.3	14
SP0251	2.5	39.7	<1	<0.1	52.7	58
SP0252	6.1	27.1	<1	0.1	42.6	53
SP0253	1.5	39.5	<1	<0.1	13.1	59
SP0254	2.4	48.9	<1	<0.1	341	51
SP0255	2.3	61.3	<1	<0.1	20.9	79
SP0256	9.4	20.9	<1	<0.1	62.7	42
SP0257	3.0	39.8	<1	<0.1	88.6	53
SP0258	10.7	29.1	<1	<0.1	40.0	56
SP0259	2.0	10.5	<1	<0.1	19.0	13
SP0260	13.3	24.6	<1	0.1	77.3	55
SP0261	11.9	25.3	<1	<0.1	31.0	63
SP0262	15.7	37.5	<1	0.1	40.6	84
SP0263	0.9	15.2	<1	<0.1	5.9	6
SP0264	7.2	57.3	<1	<0.1	61.9	114
*Rep SP0045	3.1	27.5	<1	<0.1	68.1	39
*Blk BLANK	<0.5	<0.5	<1	<0.1	<0.5	<1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
*Std AMIS0169	12.7	50.7	<1	<0.1	41.5	501
*Rep SP0080	5.9	24.7	<1	<0.1	56.8	44
*Rep SP0091	1.1	38.9	<1	<0.1	38.1	71
*Rep SP0249	5.7	19.8	<1	<0.1	23.9	55
*Std AMIS0169	14.7	41.7	<1	<0.1	42.3	390
*Rep SP0262	16.0	36.6	<1	0.1	38.7	86
*Blk BLANK	<0.5	<0.5	<1	<0.1	<0.5	<1
*Rep SP0199	<0.5	48.4	<1	<0.1	10.5	51
*Rep SP0216	11.2	24.2	<1	0.1	56.4	26
*Std AMIS0169	11.8	40.7	<1	<0.1	39.6	419
*Rep SP0230	1.3	8.8	<1	<0.1	12.3	11
*Blk BLANK	<0.5	<0.5	<1	<0.1	<0.5	<1
*Blk BLANK	<0.5	<0.5	<1	<0.1	<0.5	<1
*Rep SP0038	3.6	23.7	<1	<0.1	88.9	50
*Std AMIS0169	17.7	47.4	<1	<0.1	42.2	458
*Rep SP0154	0.7	29.6	<1	<0.1	41.6	78
*Blk BLANK	<0.5	<0.5	<1	<0.1	<0.5	<1
*Rep SP0169	4.9	30.5	<1	<0.1	53.0	79
*Std AMIS0169	12.0	40.9	<1	<0.1	41.9	414
*Rep SP0192	2.6	30.1	<1	<0.1	75.2	53
*Rep SP0106	3.5	28.0	<1	<0.1	75.3	40
*Rep SP0117	0.6	54.3	<1	<0.1	24.3	31
*Std AMIS0169	10.9	47.4	<1	<0.1	39.6	474
*Blk BLANK	<0.5	<0.5	<1	<0.1	<0.5	<1
*Rep SP0142	6.2	40.1	<1	<0.1	26.4	40

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0038	<1	68.6	4300	7	2.7	85
SP0039	2	115	2200	7	3.2	40
SP0040	2	149	6200	3	1.0	81
SP0041	<1	92.3	7000	3	1.9	57
SP0042	<1	58.9	8200	7	2.9	86
SP0043	2	20.7	9800	8	3.9	49
SP0044	<1	35.1	9200	7	3.0	58
SP0045	<1	52.5	4200	4	2.1	75
SP0046	1	122	5000	3	0.7	153
SP0047	<1	20.7	4300	4	1.0	114
SP0048	<1	75.5	800	4	0.9	60
SP0049	31	81.0	6500	7	0.6	110
SP0050	<1	15.1	3200	4	1.4	63
SP0051	2	12.7	4500	7	1.9	44
SP0052	<1	84.2	3900	<2	2.5	143
SP0053	1	58.6	1300	4	2.6	112
SP0054	3	42.5	3300	3	2.8	290
SP0055	3	26.9	3900	5	2.8	74
SP0056	4	44.7	3100	2	1.1	275
SP0057	69	104	4500	6	<0.5	23
SP0058	<1	31.8	2600	2	1.6	122
SP0059	<1	24.3	2100	2	1.9	143
SP0060	<1	69.7	3200	3	1.5	46
SP0061	3	18.8	12000	6	2.8	68
SP0062	<1	102	1100	<2	0.7	266
SP0063	<1	40.3	1700	3	1.2	101
SP0064	<1	66.6	8100	8	1.6	23
SP0065	1	53.6	3000	3	2.5	481

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0066	<1	51.8	1000	<2	1.7	92
SP0067	2	105	2600	<2	0.7	275
SP0068	1	62.4	2300	3	1.6	165
SP0069	1	72.6	1400	3	1.9	73
SP0070	3	49.8	600	<2	0.9	229
SP0071	5	163	27000	6	0.5	446
SP0072	7	107	800	<2	1.4	122
SP0073	3	109	11700	5	0.6	109
SP0074	2	23.1	8600	3	2.3	46
SP0075	2	12.2	7300	3	1.2	59
SP0076	2	48.0	4400	3	3.0	149
SP0077	6	116	1800	<2	0.6	81
SP0078	23	149	4600	3	2.0	168
SP0079	1	88.1	1100	3	2.1	103
SP0080	<1	12.4	2300	<2	1.0	72
SP0081	1	88.9	1700	<2	0.8	154
SP0082	4	75.2	2400	<2	1.8	186
SP0083	1	104	1900	<2	1.4	123
SP0084	<1	211	2000	3	1.0	56
SP0085	7	34.2	7400	4	4.6	100
SP0086	<1	26.4	4400	3	0.9	191
SP0087	<1	24.2	6000	3	0.9	128
SP0088	2	35.4	1700	3	2.0	71
SP0089	<1	30.7	1100	2	2.0	63
SP0090	52	464	8700	9	<0.5	13
SP0091	2	64.9	2500	2	2.1	124
SP0092	<1	35.4	3600	4	2.3	145
SP0093	2	103	2500	<2	1.1	46

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils

Number of Samples 226

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0094	<1	13.8	1300	4	0.9	42
SP0095	3	130	2400	<2	0.6	327
SP0096	4	46.5	1700	4	0.7	14
SP0097	64	160	1400	2	0.6	53
SP0098	216	215	11000	5	<0.5	2
SP0099	1	50.7	2600	<2	1.8	145
SP0100	<1	49.3	4200	8	<0.5	15
SP0101	1	47.2	1300	2	2.1	76
SP0102	14	143	4900	3	1.2	112
SP0103	2	75.8	2200	6	1.0	128
SP0104	2	19.7	3700	4	2.1	50
SP0105	4	26.6	2600	3	2.4	39
SP0106	<1	55.5	2100	2	1.3	88
SP0107	<1	101	1000	3	<0.5	675
SP0108	<1	38.0	1700	2	1.0	47
SP0109	2	42.9	700	<2	2.1	187
SP0110	1	43.5	4200	3	1.3	147
SP0111	2	22.0	4300	3	2.0	144
SP0112	2	52.9	3000	<2	2.1	124
SP0113	2	56.5	3800	3	1.4	207
SP0114	5	64.3	5300	3	2.4	146
SP0115	6	39.2	4000	2	2.4	93
SP0116	1	38.2	1700	<2	2.3	364
SP0117	1	45.3	700	<2	0.8	104
SP0118	1	50.1	4400	<2	<0.5	329
SP0119	<1	96.0	700	3	0.7	56
SP0120	1	63.5	4300	3	1.2	75
SP0121	2	69.8	1600	<2	1.6	48

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0122	221	215	5800	2	<0.5	21
SP0123	2	61.5	10400	2	<0.5	20
SP0124	2	77.1	2200	2	1.9	60
SP0125	3	71.9	2200	<2	<0.5	180
SP0126	2	63.3	2400	<2	1.5	35
SP0127	<1	38.7	5200	3	<0.5	62
SP0128	7	53.5	3700	3	2.7	158
SP0129	1	53.2	600	<2	1.4	30
SP0130	1	61.2	2000	<2	1.4	284
SP0131	5	96.6	1900	<2	0.8	329
SP0132	<1	132	700	3	0.7	34
SP0133	<1	32.3	3700	<2	<0.5	150
SP0134	5	42.2	7300	5	2.9	29
SP0135	4	72.6	2800	2	1.9	595
SP0136	1	68.4	8600	3	0.7	50
SP0137	1	82.6	900	<2	0.8	68
SP0138	5	80.1	4300	3	0.7	78
SP0139	<1	154	5800	3	<0.5	91
SP0140	2	110	2300	3	1.4	58
SP0141	65	103	3500	<2	1.3	217
SP0142	<1	18.8	2900	<2	<0.5	89
SP0143	<1	48.8	6700	2	0.5	136
SP0144	58	205	10700	4	0.6	41
SP0145	<1	32.8	4000	2	<0.5	27
SP0146	15	242	4300	<2	<0.5	16
SP0147	3	90.9	3600	<2	0.7	95
SP0148	<1	19.3	3700	<2	0.8	86
SP0149	6	112	93900	6	0.9	70

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0150	1	152	1400	3	<0.5	60
SP0151	3	321	12100	3	<0.5	166
SP0152	9	200	2400	<2	<0.5	127
SP0153	<1	121	8200	<2	<0.5	211
SP0154	2	126	5300	2	0.8	102
SP0155	3	189	2600	<2	<0.5	160
SP0156	2	161	9100	2	<0.5	137
SP0157	2	190	3100	<2	<0.5	99
SP0158	4	149	6000	<2	<0.5	283
SP0159	7	162	9200	2	<0.5	223
SP0160	<1	321	3200	<2	<0.5	209
SP0161	5	267	14000	<2	<0.5	81
SP0162	3	144	4900	<2	<0.5	149
SP0163	<1	60.8	3500	<2	<0.5	69
SP0164	<1	79.9	6000	<2	<0.5	72
SP0165	2	144	1400	<2	<0.5	192
SP0166	3	288	8000	<2	<0.5	187
SP0167	4	98.4	4000	<2	0.5	228
SP0168	2	95.2	1100	5	1.7	45
SP0169	4	43.7	9400	3	2.8	120
SP0170	<1	115	1900	<2	1.0	147
SP0171	<1	139	4100	<2	<0.5	215
SP0172	10	24.3	8600	<2	<0.5	3
SP0173	2	141	11000	<2	1.7	238
SP0174	36	101	13300	<2	<0.5	277
SP0175	<1	91.4	4900	3	1.0	140
SP0176	1	84.1	1200	<2	1.0	61
SP0177	<1	64.7	2300	3	1.7	52

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils

Number of Samples 226

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0179	104	90.0	6300	3	<0.5	1
SP0180	2	93.4	1500	2	1.6	72
SP0181	<1	50.4	2000	3	1.9	48
SP0182	<1	26.8	1900	<2	0.9	74
SP0183	2	53.8	1500	4	2.2	105
SP0184	1	62.5	2600	2	1.2	152
SP0185	<1	30.0	2800	2	1.1	69
SP0186	<1	20.9	2900	4	1.1	73
SP0187	<1	51.1	5700	3	1.0	74
SP0188	2	67.0	3800	<2	<0.5	91
SP0189	1	46.7	4500	<2	<0.5	124
SP0190	<1	42.0	4000	3	1.5	36
SP0191	<1	29.7	3100	3	1.7	50
SP0192	1	45.8	1400	<2	1.6	92
SP0193	2	25.6	2800	3	1.9	101
SP0194	5	134	2200	<2	0.7	193
SP0195	<1	32.3	2600	3	1.1	143
SP0196	<1	90.8	8800	4	0.8	76
SP0197	<1	29.6	2600	4	1.9	112
SP0198	<1	17.5	4700	3	1.3	93
SP0199	2	226	6600	2	<0.5	116
SP0200	1	29.0	4000	3	1.7	58
SP0201	2	22.6	5500	2	1.8	107
SP0202	<1	43.3	4500	5	1.2	65
SP0203	<1	62.9	3400	<2	2.8	68
SP0204	2	76.2	2000	<2	1.1	52
SP0205	<1	61.1	3800	<2	<0.5	60
SP0206	3	118	1700	6	<0.5	60

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils

Number of Samples 226

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0207	<1	20.0	2600	3	2.5	80
SP0208	<1	23.8	3500	<2	0.8	128
SP0209	3	29.5	5300	4	2.4	68
SP0210	4	48.1	5700	<2	<0.5	18
SP0211	<1	16.4	4400	4	0.9	79
SP0212	<1	27.3	3500	5	2.6	66
SP0213	<1	67.2	1300	4	1.3	75
SP0214	<1	30.3	5700	4	2.9	153
SP0215	<1	22.2	4500	3	1.1	101
SP0216	<1	11.3	7300	<2	<0.5	54
SP0217	<1	33.6	7200	<2	0.8	61
SP0218	3	131	2700	2	<0.5	90
SP0219	12	108	2000	<2	1.1	39
SP0220	<1	10.2	4700	<2	1.2	142
SP0221	<1	45.0	6700	5	3.0	49
SP0222	<1	13.1	5200	3	1.8	108
SP0223	<1	13.0	4700	5	0.7	49
SP0224	<1	12.3	3800	2	<0.5	68
SP0225	2	12.4	7200	3	1.8	44
SP0226	2	3.3	2200	2	3.0	333
SP0227	<1	30.1	4500	2	1.9	81
SP0228	<1	49.3	1500	2	0.8	262
SP0229	1	16.1	6200	4	1.6	110
SP0230	1	50.8	8800	9	0.9	29
SP0231	<1	62.8	1300	6	0.5	82
SP0232	2	9.3	8400	5	2.6	55
SP0233	<1	37.6	2100	3	0.8	103
SP0234	2	139	2400	<2	0.6	102

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils

Number of Samples 226

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0235	<1	50.9	2000	<2	1.1	100
SP0236	<1	35.0	5400	<2	<0.5	50
SP0237	<1	81.1	700	<2	0.8	129
SP0238	<1	39.9	2000	<2	1.4	50
SP0239	<1	22.0	7700	<2	0.6	102
SP0240	<1	49.3	7700	2	1.1	56
SP0241	<1	29.1	2000	<2	0.9	110
SP0242	<1	28.1	9300	5	2.0	78
SP0243	<1	27.1	12100	<2	2.5	66
SP0244	5	214	3900	<2	1.2	100
SP0245	2	140	9900	3	0.9	145
SP0246	3	138	1800	<2	0.9	371
SP0247	3	79.7	4000	4	0.7	59
SP0248	<1	52.3	7400	7	3.2	71
SP0249	<1	47.6	3500	4	4.0	75
SP0250	<1	81.0	6600	5	1.6	21
SP0251	<1	116	7700	<2	1.9	111
SP0252	<1	28.4	3700	3	1.6	83
SP0253	2	159	4100	2	2.3	111
SP0254	<1	60.2	6300	5	<0.5	117
SP0255	1	128	3100	<2	3.1	166
SP0256	<1	19.7	9100	4	2.2	67
SP0257	2	69.3	21100	6	1.6	107
SP0258	<1	18.9	17500	3	2.3	105
SP0259	<1	30.4	4000	7	<0.5	27
SP0260	1	19.5	10000	6	2.5	86
SP0261	<1	14.7	15000	7	2.2	101
SP0262	<1	16.8	5400	6	2.1	141

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0263	7	95.8	3900	8	<0.5	26
SP0264	<1	98.6	6200	7	1.1	203
*Rep SP0045	<1	51.3	3800	4	2.1	77
*Blk BLANK	<1	<0.5	<100	<2	<0.5	<1
*Std AMIS0169	1	35.7	3700	4	2.9	435
*Rep SP0080	<1	12.7	2400	<2	0.9	74
*Rep SP0091	1	61.4	2300	<2	2.0	116
*Rep SP0249	<1	45.0	4000	4	4.2	79
*Std AMIS0169	2	32.1	3600	4	2.7	355
*Rep SP0262	<1	16.3	6000	5	2.1	147
*Blk BLANK	<1	<0.5	<100	<2	<0.5	<1
*Rep SP0199	2	224	6300	2	<0.5	120
*Rep SP0216	<1	10.0	7000	<2	<0.5	56
*Std AMIS0169	1	33.6	3600	3	2.7	353
*Rep SP0230	1	50.7	7900	9	0.8	28
*Blk BLANK	<1	<0.5	<100	<2	<0.5	<1
*Blk BLANK	<1	<0.5	<100	<2	<0.5	<1
*Rep SP0038	<1	70.5	4500	7	2.6	83
*Std AMIS0169	2	36.8	4100	4	3.4	402
*Rep SP0154	2	123	5200	2	0.8	110
*Blk BLANK	<1	<0.5	<100	<2	<0.5	<1
*Rep SP0169	4	44.2	8600	4	2.8	118
*Std AMIS0169	1	35.0	3600	3	2.9	345
*Rep SP0192	1	44.7	1400	2	1.6	95
*Rep SP0106	<1	56.5	2700	2	1.5	85
*Rep SP0117	1	44.4	900	<2	0.7	99
*Std AMIS0169	1	31.8	3300	3	2.6	428
*Blk BLANK	<1	<0.5	<100	<2	<0.5	<1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils

Number of Samples 226

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
*Rep SP0142	<1	20.0	3300	2	<0.5	91

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0038	63	4.1	88	<1	17.9	<0.1
SP0039	57	4.7	70	<1	8.6	<0.1
SP0040	110	1.3	180	<1	14.5	<0.1
SP0041	59	2.3	39	<1	12.5	<0.1
SP0042	89	3.9	69	<1	18.2	<0.1
SP0043	84	6.4	109	<1	9.5	<0.1
SP0044	102	4.4	82	<1	11.4	<0.1
SP0045	79	3.2	90	<1	15.9	<0.1
SP0046	233	0.6	26	<1	30.4	<0.1
SP0047	41	2.3	57	<1	24.3	<0.1
SP0048	63	1.1	10	<1	13.0	<0.1
SP0049	107	2.1	39	<1	17.0	<0.1
SP0050	32	2.7	81	<1	13.9	<0.1
SP0051	49	4.7	74	<1	10.1	<0.1
SP0052	61	1.4	349	<1	34.3	<0.1
SP0053	29	5.0	72	<1	25.3	<0.1
SP0054	69	4.2	131	<1	59.9	<0.1
SP0055	36	8.7	83	<1	15.8	<0.1
SP0056	53	0.3	73	<1	58.0	<0.1
SP0057	57	0.5	<5	<1	3.9	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0058	20	4.0	130	<1	26.1	<0.1
SP0059	15	2.7	119	<1	31.4	<0.1
SP0060	47	5.4	107	<1	10.6	<0.1
SP0061	48	5.3	114	<1	16.3	<0.1
SP0062	42	1.7	63	<1	58.1	<0.1
SP0063	16	1.8	83	<1	22.7	<0.1
SP0064	68	3.4	76	<1	5.5	<0.1
SP0065	68	3.4	129	<1	104	<0.1
SP0066	34	3.8	115	<1	21.4	<0.1
SP0067	34	3.0	76	<1	59.9	<0.1
SP0068	40	4.5	75	<1	37.5	<0.1
SP0069	32	5.3	53	<1	16.6	<0.1
SP0070	28	9.8	86	<1	41.2	<0.1
SP0071	314	1.4	56	<1	90.8	<0.1
SP0072	37	3.4	41	<1	23.9	<0.1
SP0073	264	4.1	71	<1	20.7	<0.1
SP0074	73	5.6	119	<1	10.7	<0.1
SP0075	76	3.0	128	<1	13.2	<0.1
SP0076	82	3.0	118	<1	35.7	0.1
SP0077	65	3.2	63	<1	16.8	<0.1
SP0078	68	2.9	101	<1	37.4	<0.1
SP0079	79	3.6	65	<1	23.4	<0.1
SP0080	13	1.7	77	<1	15.4	<0.1
SP0081	40	3.0	41	<1	30.2	<0.1
SP0082	103	2.1	76	<1	43.8	<0.1
SP0083	69	2.1	47	<1	26.5	<0.1
SP0084	48	3.4	20	<1	11.4	<0.1
SP0085	49	6.5	127	<1	23.3	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0086	39	2.5	55	<1	38.0	<0.1
SP0087	25	1.6	87	<1	27.2	<0.1
SP0088	25	7.3	73	<1	14.4	<0.1
SP0089	29	5.9	53	<1	14.5	<0.1
SP0090	111	0.5	17	<1	2.0	<0.1
SP0091	68	2.6	58	<1	28.2	<0.1
SP0092	51	5.7	59	<1	32.5	<0.1
SP0093	69	3.6	69	<1	10.1	<0.1
SP0094	17	5.3	57	<1	8.8	<0.1
SP0095	77	1.0	39	<1	65.3	<0.1
SP0096	29	11.3	49	<1	2.6	<0.1
SP0097	59	2.1	32	<1	10.3	<0.1
SP0098	54	0.3	<5	<1	<0.5	<0.1
SP0099	39	2.5	119	<1	30.5	<0.1
SP0100	80	2.7	11	1	1.9	<0.1
SP0101	46	6.4	82	<1	16.3	<0.1
SP0102	55	1.8	56	<1	21.9	<0.1
SP0103	67	4.4	35	<1	22.6	<0.1
SP0104	47	5.6	112	<1	10.1	<0.1
SP0105	30	7.0	85	<1	8.3	<0.1
SP0106	26	3.2	50	<1	17.0	<0.1
SP0107	33	2.0	23	<1	122	<0.1
SP0108	25	3.4	66	<1	10.2	<0.1
SP0109	23	5.8	77	<1	39.4	<0.1
SP0110	23	1.9	75	<1	30.6	<0.1
SP0111	19	3.9	133	<1	31.0	<0.1
SP0112	34	4.4	94	<1	27.1	<0.1
SP0113	76	4.8	57	<1	39.5	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0114	54	5.2	98	<1	33.6	<0.1
SP0115	46	6.7	97	<1	20.6	<0.1
SP0116	40	3.9	159	<1	74.8	<0.1
SP0117	41	3.5	64	<1	17.3	<0.1
SP0118	52	2.4	32	<1	61.7	<0.1
SP0119	88	5.6	45	<1	11.1	<0.1
SP0120	41	3.1	47	<1	15.9	<0.1
SP0121	50	7.2	41	<1	9.8	<0.1
SP0122	75	0.5	17	<1	3.7	<0.1
SP0123	61	1.4	6	<1	2.9	<0.1
SP0124	80	4.1	55	<1	14.0	<0.1
SP0125	45	2.2	20	<1	32.9	<0.1
SP0126	44	7.1	70	<1	7.4	<0.1
SP0127	16	1.7	22	<1	11.7	<0.1
SP0128	82	3.7	121	<1	35.4	<0.1
SP0129	30	4.9	33	<1	6.7	<0.1
SP0130	42	2.6	56	<1	59.5	<0.1
SP0131	33	1.1	38	<1	65.9	<0.1
SP0132	57	3.2	24	<1	7.2	<0.1
SP0133	13	2.4	14	<1	26.0	<0.1
SP0134	93	5.1	103	<1	6.7	<0.1
SP0135	83	3.9	70	<1	119	<0.1
SP0136	87	4.7	44	<1	10.3	<0.1
SP0137	49	1.7	33	<1	14.7	<0.1
SP0138	96	2.2	18	<1	15.6	<0.1
SP0139	57	2.3	20	<1	16.7	<0.1
SP0140	49	2.0	36	<1	13.1	<0.1
SP0141	68	1.7	59	<1	43.8	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0142	11	0.6	23	<1	17.1	<0.1
SP0143	25	0.9	46	<1	28.0	<0.1
SP0144	85	0.6	9	<1	7.2	<0.1
SP0145	40	1.2	40	<1	5.9	<0.1
SP0146	70	0.2	<5	<1	2.8	<0.1
SP0147	149	2.3	28	<1	19.9	<0.1
SP0148	35	1.5	87	<1	16.5	<0.1
SP0149	161	0.7	<5	<1	17.6	<0.1
SP0150	64	3.7	14	<1	10.6	<0.1
SP0151	111	1.1	10	<1	28.5	<0.1
SP0152	87	2.3	18	<1	24.4	<0.1
SP0153	53	1.0	8	<1	37.2	<0.1
SP0154	102	1.3	52	<1	24.0	<0.1
SP0155	173	0.9	12	<1	29.9	<0.1
SP0156	65	1.0	15	<1	26.7	<0.1
SP0157	60	2.0	17	<1	17.6	<0.1
SP0158	204	0.5	28	<1	51.0	<0.1
SP0159	177	2.2	31	<1	44.8	<0.1
SP0160	221	1.2	17	<1	36.3	<0.1
SP0161	79	0.8	12	<1	13.9	<0.1
SP0162	44	2.3	22	<1	27.3	<0.1
SP0163	23	0.8	19	<1	13.5	<0.1
SP0164	26	1.1	14	<1	13.8	<0.1
SP0165	53	1.1	18	<1	40.6	<0.1
SP0166	142	0.8	11	<1	31.6	<0.1
SP0167	59	3.6	29	<1	52.2	<0.1
SP0168	46	3.4	64	<1	10.5	<0.1
SP0169	55	5.3	142	<1	27.8	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0170	41	2.0	79	<1	32.5	<0.1
SP0171	44	2.7	31	<1	41.0	<0.1
SP0172	25	1.7	6	<1	0.6	<0.1
SP0173	104	3.8	86	<1	50.4	<0.1
SP0174	150	2.5	8	<1	48.9	<0.1
SP0175	48	3.5	54	<1	30.5	<0.1
SP0176	60	4.9	45	<1	13.7	<0.1
SP0177	30	2.8	51	<1	12.3	<0.1
SP0179	76	0.6	<5	<1	<0.5	<0.1
SP0180	64	6.7	38	<1	17.1	<0.1
SP0181	63	3.5	54	<1	11.4	<0.1
SP0182	33	2.4	40	<1	16.0	<0.1
SP0183	78	4.2	79	<1	24.5	<0.1
SP0184	63	2.8	55	<1	30.4	<0.1
SP0185	48	2.7	51	<1	13.6	<0.1
SP0186	35	2.4	56	<1	15.3	<0.1
SP0187	61	1.2	41	<1	16.6	<0.1
SP0188	99	1.4	26	<1	17.8	<0.1
SP0189	94	0.9	23	<1	23.0	<0.1
SP0190	62	2.6	27	<1	8.1	<0.1
SP0191	44	2.8	66	<1	11.1	<0.1
SP0192	71	4.0	43	<1	20.5	<0.1
SP0193	35	2.9	94	<1	21.7	<0.1
SP0194	154	0.6	50	<1	41.7	<0.1
SP0195	24	2.0	62	<1	30.8	<0.1
SP0196	84	0.8	9	<1	15.0	<0.1
SP0197	24	1.4	74	<1	25.3	<0.1
SP0198	31	2.4	68	<1	20.9	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0199	144	0.2	6	<1	21.7	<0.1
SP0200	67	3.8	56	<1	13.4	<0.1
SP0201	41	2.9	95	<1	23.4	<0.1
SP0202	49	2.2	53	<1	15.2	<0.1
SP0203	195	2.3	51	<1	16.3	<0.1
SP0204	80	4.4	53	<1	9.9	<0.1
SP0205	40	0.5	<5	<1	10.3	<0.1
SP0206	111	5.6	62	<1	12.1	<0.1
SP0207	48	2.9	87	<1	17.8	<0.1
SP0208	18	1.1	70	<1	28.0	<0.1
SP0209	61	4.7	80	<1	14.8	<0.1
SP0210	654	0.4	27	<1	3.3	<0.1
SP0211	25	1.6	64	<1	18.0	<0.1
SP0212	57	2.6	97	<1	15.9	<0.1
SP0213	21	2.5	47	<1	17.2	<0.1
SP0214	49	5.9	65	<1	34.9	<0.1
SP0215	35	1.7	103	<1	21.3	<0.1
SP0216	56	1.0	136	<1	10.9	<0.1
SP0217	64	0.8	93	<1	13.2	<0.1
SP0218	225	1.5	64	<1	18.4	<0.1
SP0219	99	3.6	62	<1	9.0	<0.1
SP0220	49	2.1	153	<1	30.7	<0.1
SP0221	45	3.7	69	<1	12.0	<0.1
SP0222	26	2.8	75	<1	24.1	<0.1
SP0223	38	2.1	51	<1	11.3	<0.1
SP0224	32	0.7	72	<1	14.9	<0.1
SP0225	58	3.0	100	<1	9.4	<0.1
SP0226	19	4.1	129	<1	73.3	0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils

Number of Samples 226

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0227	43	1.3	130	<1	18.4	<0.1
SP0228	33	1.9	53	<1	55.6	0.1
SP0229	68	3.0	115	<1	24.1	<0.1
SP0230	138	0.4	13	<1	5.8	<0.1
SP0231	34	1.1	59	<1	18.0	<0.1
SP0232	58	4.0	93	<1	12.8	<0.1
SP0233	36	1.6	53	<1	22.4	<0.1
SP0234	336	1.9	36	<1	21.2	<0.1
SP0235	27	1.9	271	<1	20.1	<0.1
SP0236	31	1.0	95	<1	10.9	<0.1
SP0237	21	0.5	77	<1	28.8	<0.1
SP0238	56	5.1	43	<1	10.1	<0.1
SP0239	26	1.0	51	<1	20.9	<0.1
SP0240	69	1.7	53	<1	10.3	<0.1
SP0241	113	1.2	30	<1	21.8	<0.1
SP0242	119	1.7	66	<1	16.2	<0.1
SP0243	29	2.5	201	<1	13.9	<0.1
SP0244	70	1.0	56	<1	19.5	<0.1
SP0245	61	1.7	23	<1	25.3	<0.1
SP0246	94	1.8	63	<1	79.3	<0.1
SP0247	47	0.3	34	<1	11.2	<0.1
SP0248	39	1.6	81	<1	15.7	<0.1
SP0249	33	3.2	71	<1	16.1	<0.1
SP0250	58	2.7	37	<1	4.4	<0.1
SP0251	54	1.9	121	<1	22.6	<0.1
SP0252	23	1.1	95	<1	17.2	<0.1
SP0253	93	1.8	41	<1	22.4	<0.1
SP0254	87	7.8	18	<1	21.0	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0255	105	1.6	146	<1	33.2	<0.1
SP0256	25	2.3	119	<1	14.3	<0.1
SP0257	139	6.9	24	<1	20.9	<0.1
SP0258	54	2.4	73	<1	21.9	<0.1
SP0259	65	0.4	26	<1	5.2	<0.1
SP0260	95	3.6	104	<1	18.8	<0.1
SP0261	43	2.0	81	<1	21.9	<0.1
SP0262	41	2.8	116	<1	30.5	<0.1
SP0263	125	<0.1	15	<1	4.0	<0.1
SP0264	177	2.2	57	<1	41.4	<0.1
*Rep SP0045	72	3.2	88	<1	16.3	<0.1
*Blk BLANK	<5	<0.1	<5	<1	<0.5	<0.1
*Std AMIS0169	444	2.8	125	<1	122	0.1
*Rep SP0080	13	2.0	89	<1	16.2	<0.1
*Rep SP0091	66	2.4	53	<1	26.5	<0.1
*Rep SP0249	34	3.5	80	<1	17.2	<0.1
*Std AMIS0169	426	2.8	118	<1	92.2	0.2
*Rep SP0262	42	3.1	119	<1	31.0	<0.1
*Blk BLANK	<5	<0.1	<5	<1	<0.5	<0.1
*Rep SP0199	145	0.2	6	<1	22.4	<0.1
*Rep SP0216	54	1.0	129	<1	11.3	<0.1
*Std AMIS0169	415	2.9	112	<1	99.3	0.1
*Rep SP0230	133	0.4	12	<1	5.4	<0.1
*Blk BLANK	<5	<0.1	<5	<1	<0.5	<0.1
*Blk BLANK	<5	<0.1	<5	<1	<0.5	<0.1
*Rep SP0038	65	3.9	88	<1	17.5	<0.1
*Std AMIS0169	449	2.9	144	<1	106	0.1
*Rep SP0154	103	1.2	51	<1	25.8	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
*Blk BLANK	<5	<0.1	<5	<1	<0.5	<0.1
*Rep SP0169	50	5.1	144	<1	27.3	<0.1
*Std AMIS0169	438	3.2	113	<1	98.0	0.1
*Rep SP0192	67	3.6	44	<1	20.3	<0.1
*Rep SP0106	27	3.6	55	<1	17.2	<0.1
*Rep SP0117	44	3.5	63	<1	16.2	<0.1
*Std AMIS0169	378	2.7	114	<1	116	<0.1
*Blk BLANK	<5	<0.1	<5	<1	<0.5	<0.1
*Rep SP0142	12	0.7	25	<1	17.9	<0.1

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0038	62	<0.5	50	22	<1	2840
SP0039	53	<0.5	18	9	<1	5220
SP0040	26	1.7	38	39	<1	3400
SP0041	34	<0.5	38	15	<1	1640
SP0042	80	<0.5	55	23	<1	970
SP0043	139	<0.5	64	13	<1	780
SP0044	145	<0.5	62	16	<1	850
SP0045	148	<0.5	62	22	<1	900
SP0046	43	<0.5	25	45	<1	2170
SP0047	183	<0.5	59	31	<1	410
SP0048	55	<0.5	28	15	<1	1660
SP0049	69	<0.5	23	48	<1	2710

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0050	201	<0.5	31	16	<1	900
SP0051	190	<0.5	33	12	<1	640
SP0052	38	<0.5	67	37	<1	2340
SP0053	116	<0.5	60	28	<1	2180
SP0054	102	<0.5	114	85	<1	1060
SP0055	134	<0.5	61	22	<1	900
SP0056	89	<0.5	45	77	<1	1710
SP0057	55	<0.5	10	8	<1	4310
SP0058	154	<0.5	47	35	<1	1200
SP0059	133	<0.5	54	36	<1	1180
SP0060	88	<0.5	31	12	<1	2640
SP0061	122	<0.5	36	16	<1	640
SP0062	48	<0.5	34	72	<1	3410
SP0063	122	<0.5	42	24	<1	2070
SP0064	93	<0.5	36	5	<1	2280
SP0065	32	<0.5	75	130	<1	2600
SP0066	59	<0.5	40	23	<1	3260
SP0067	32	<0.5	40	81	<1	5450
SP0068	75	<0.5	33	42	<1	2670
SP0069	63	<0.5	25	18	<1	2480
SP0070	50	<0.5	16	74	<1	2240
SP0071	38	<0.5	34	118	<1	4170
SP0072	103	<0.5	19	36	<1	4360
SP0073	92	<0.5	25	39	<1	2470
SP0074	211	<0.5	32	12	<1	870
SP0075	152	<0.5	47	16	<1	630
SP0076	208	<0.5	133	40	<1	1240
SP0077	66	<0.5	44	26	<1	3620

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0078	107	<0.5	46	48	<1	6760
SP0079	73	<0.5	40	28	<1	2510
SP0080	215	<0.5	55	20	<1	1080
SP0081	65	<0.5	22	48	<1	4300
SP0082	74	<0.5	61	46	<1	3080
SP0083	32	<0.5	26	33	<1	3010
SP0084	52	<0.5	22	18	<1	7540
SP0085	223	<0.5	80	26	<1	1430
SP0086	133	<0.5	36	52	<1	1490
SP0087	177	<0.5	61	34	<1	970
SP0088	109	<0.5	57	22	<1	880
SP0089	88	<0.5	29	16	<1	1760
SP0090	104	<0.5	9	6	<1	3350
SP0091	57	<0.5	41	31	<1	5670
SP0092	96	<0.5	56	37	<1	1220
SP0093	45	<0.5	24	13	<1	6930
SP0094	91	<0.5	23	13	<1	1330
SP0095	39	<0.5	25	96	<1	4760
SP0096	161	<0.5	9	5	<1	3420
SP0097	83	<0.5	18	17	<1	9750
SP0098	38	0.5	7	<1	<1	8860
SP0099	58	<0.5	46	40	<1	1270
SP0100	14	<0.5	11	6	<1	3540
SP0101	71	<0.5	29	20	<1	2040
SP0102	61	<0.5	18	32	<1	5390
SP0103	57	<0.5	21	42	<1	3130
SP0104	139	<0.5	36	14	<1	1100
SP0105	167	<0.5	32	11	<1	1250

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0106	154	<0.5	24	24	<1	1000
SP0107	56	<0.5	80	186	<1	2080
SP0108	80	<0.5	17	13	<1	1460
SP0109	97	<0.5	57	49	<1	2270
SP0110	123	<0.5	44	37	<1	1670
SP0111	163	<0.5	63	37	<1	540
SP0112	68	<0.5	42	33	<1	2130
SP0113	65	<0.5	48	61	<1	2000
SP0114	67	<0.5	77	39	<1	2040
SP0115	81	<0.5	51	25	<1	2420
SP0116	56	<0.5	52	103	<1	1690
SP0117	35	<0.5	21	40	<1	1810
SP0118	23	<0.5	40	100	<1	1600
SP0119	41	<0.5	10	15	<1	1850
SP0120	83	<0.5	28	19	<1	1710
SP0121	163	<0.5	24	15	<1	2360
SP0122	48	<0.5	12	7	<1	10700
SP0123	21	<0.5	15	10	<1	1930
SP0124	48	<0.5	48	15	<1	2040
SP0125	131	<0.5	20	60	<1	5050
SP0126	81	<0.5	27	10	<1	2050
SP0127	209	<0.5	26	18	<1	1710
SP0128	86	<0.5	60	45	<1	1870
SP0129	41	<0.5	21	8	<1	1690
SP0130	75	<0.5	64	78	<1	1640
SP0131	86	<0.5	88	94	<1	5960
SP0132	27	<0.5	17	10	<1	4140
SP0133	26	<0.5	26	53	<1	2000

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0134	97	<0.5	78	9	<1	1170
SP0135	26	<0.5	184	168	<1	1240
SP0136	42	<0.5	18	14	<1	1840
SP0137	20	<0.5	32	18	<1	3080
SP0138	47	<0.5	21	23	<1	5440
SP0139	37	<0.5	16	29	<1	6350
SP0140	47	<0.5	44	16	<1	7370
SP0141	50	<0.5	39	66	<1	9110
SP0142	85	<0.5	46	26	<1	1340
SP0143	133	<0.5	76	40	<1	2590
SP0144	68	<0.5	13	14	<1	9680
SP0145	217	<0.5	34	8	<1	3780
SP0146	14	<0.5	9	7	<1	5550
SP0147	54	<0.5	45	29	<1	3920
SP0148	94	<0.5	56	28	<1	590
SP0149	61	<0.5	55	15	<1	3910
SP0150	49	<0.5	13	20	<1	12300
SP0151	62	<0.5	23	58	<1	9110
SP0152	54	<0.5	28	41	<1	6050
SP0153	30	<0.5	38	72	<1	11500
SP0154	50	<0.5	22	24	<1	3850
SP0155	103	<0.5	23	49	<1	6020
SP0156	28	<0.5	32	44	<1	4830
SP0157	80	<0.5	26	33	<1	9870
SP0158	53	<0.5	39	101	<1	6170
SP0159	59	<0.5	38	72	<1	7070
SP0160	9	<0.5	44	73	<1	8880
SP0161	32	<0.5	32	31	<1	9400

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0162	26	<0.5	28	52	<1	23400
SP0163	55	<0.5	52	22	<1	3280
SP0164	32	<0.5	32	24	<1	4970
SP0165	23	<0.5	39	58	<1	7230
SP0166	49	<0.5	26	72	<1	5460
SP0167	33	<0.5	30	59	<1	2030
SP0168	62	<0.5	24	10	<1	5060
SP0169	112	<0.5	91	27	<1	1420
SP0170	37	<0.5	22	40	<1	4110
SP0171	35	<0.5	27	66	<1	5170
SP0172	14	<0.5	11	1	<1	3340
SP0173	40	<0.5	34	65	<1	4020
SP0174	46	<0.5	34	98	<1	3650
SP0175	138	<0.5	50	41	<1	5300
SP0176	70	<0.5	22	17	<1	3290
SP0177	74	<0.5	18	12	<1	2230
SP0179	49	0.8	8	<1	<1	5520
SP0180	68	<0.5	28	18	<1	2210
SP0181	83	<0.5	41	11	<1	1230
SP0182	157	<0.5	40	19	<1	900
SP0183	107	<0.5	72	27	<1	1410
SP0184	108	<0.5	83	44	<1	1190
SP0185	129	<0.5	53	20	<1	690
SP0186	121	<0.5	57	21	<1	680
SP0187	52	<0.5	42	19	<1	2170
SP0188	32	0.5	65	34	<1	1880
SP0189	74	<0.5	46	41	<1	1910
SP0190	75	<0.5	36	9	<1	1250

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0191	81	<0.5	40	14	<1	920
SP0192	42	<0.5	53	25	<1	1380
SP0193	136	<0.5	88	28	<1	700
SP0194	27	<0.5	72	54	<1	1950
SP0195	112	<0.5	90	39	<1	900
SP0196	26	<0.5	17	18	<1	1660
SP0197	156	<0.5	70	29	<1	880
SP0198	123	<0.5	81	24	<1	480
SP0199	24	<0.5	31	34	<1	3190
SP0200	157	<0.5	52	15	<1	780
SP0201	134	<0.5	100	29	<1	600
SP0202	69	<0.5	45	16	<1	1120
SP0203	40	<0.5	46	19	<1	1100
SP0204	75	1.1	21	18	<1	2380
SP0205	21	0.6	28	24	<1	1480
SP0206	60	<0.5	16	17	<1	2900
SP0207	120	<0.5	59	21	<1	550
SP0208	151	<0.5	90	35	<1	730
SP0209	136	<0.5	104	19	<1	540
SP0210	10	<0.5	20	6	<1	1610
SP0211	137	<0.5	51	19	<1	380
SP0212	147	<0.5	60	16	<1	590
SP0213	117	<0.5	53	18	<1	1710
SP0214	193	<0.5	94	38	<1	580
SP0215	97	<0.5	77	28	<1	530
SP0216	186	<0.5	49	16	<1	510
SP0217	96	<0.5	36	16	<1	1360
SP0218	21	<0.5	36	28	<1	3400

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0219	55	<0.5	26	11	<1	4330
SP0220	130	<0.5	77	38	<1	310
SP0221	135	<0.5	39	12	<1	950
SP0222	189	<0.5	75	28	<1	300
SP0223	150	<0.5	40	13	<1	520
SP0224	131	<0.5	60	20	<1	510
SP0225	114	<0.5	43	12	<1	360
SP0226	87	<0.5	93	82	<1	190
SP0227	73	<0.5	56	22	<1	1230
SP0228	67	<0.5	130	74	<1	1100
SP0229	168	<0.5	77	29	<1	360
SP0230	24	<0.5	13	7	<1	900
SP0231	75	<0.5	34	20	<1	2310
SP0232	154	<0.5	58	15	<1	330
SP0233	122	<0.5	71	28	<1	690
SP0234	37	<0.5	77	30	<1	1970
SP0235	69	<0.5	30	30	<1	2220
SP0236	115	<0.5	38	13	<1	1870
SP0237	119	<0.5	26	37	<1	5580
SP0238	72	<0.5	24	15	<1	1910
SP0239	94	<0.5	66	31	<1	1520
SP0240	24	<0.5	13	21	<1	4240
SP0241	94	<0.5	56	45	<1	1280
SP0242	165	<0.5	40	19	<1	660
SP0243	97	<0.5	55	18	<1	2130
SP0244	24	<0.5	40	29	<1	13800
SP0245	65	<0.5	38	47	<1	6790
SP0246	43	<0.5	111	103	<1	8330

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils

Number of Samples 226

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0247	62	<0.5	17	16	<1	2010
SP0248	73	<0.5	44	16	<1	1430
SP0249	132	<0.5	45	17	<1	1530
SP0250	75	0.7	16	5	<1	2200
SP0251	32	<0.5	43	31	<1	4040
SP0252	177	<0.5	76	22	<1	2490
SP0253	16	<0.5	53	31	<1	8200
SP0254	71	<0.5	62	37	<1	2080
SP0255	54	<0.5	40	49	<1	2740
SP0256	122	<0.5	44	17	<1	1170
SP0257	57	1.0	61	38	<1	1430
SP0258	134	<0.5	60	27	<1	580
SP0259	78	<0.5	26	8	<1	1950
SP0260	196	0.6	57	22	<1	640
SP0261	201	<0.5	62	25	<1	440
SP0262	153	<0.5	65	35	<1	480
SP0263	12	<0.5	12	10	<1	2200
SP0264	49	<0.5	162	51	<1	1460
*Rep SP0045	145	<0.5	58	23	<1	890
*Blk BLANK	<1	<0.5	<5	<1	<1	<10
*Std AMIS0169	238	0.8	60	72	<1	90
*Rep SP0080	212	<0.5	52	21	<1	1110
*Rep SP0091	58	<0.5	37	31	<1	5870
*Rep SP0249	145	<0.5	48	19	<1	1340
*Std AMIS0169	241	0.9	58	59	<1	90
*Rep SP0262	157	<0.5	63	35	<1	500
*Blk BLANK	<1	<0.5	<5	<1	<1	<10
*Rep SP0199	23	<0.5	32	35	<1	3330

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
*Rep SP0216	177	<0.5	55	17	<1	480
*Std AMIS0169	226	0.7	59	57	<1	90
*Rep SP0230	24	<0.5	13	7	<1	900
*Blk BLANK	<1	<0.5	<5	<1	<1	<10
*Blk BLANK	<1	<0.5	<5	<1	<1	<10
*Rep SP0038	64	<0.5	56	21	<1	2950
*Std AMIS0169	259	1.1	63	65	<1	100
*Rep SP0154	50	<0.5	21	27	<1	3790
*Blk BLANK	<1	<0.5	<5	<1	<1	<10
*Rep SP0169	113	<0.5	85	28	<1	1380
*Std AMIS0169	228	0.8	63	56	<1	90
*Rep SP0192	40	<0.5	58	24	<1	1380
*Rep SP0106	150	<0.5	29	24	<1	990
*Rep SP0117	37	<0.5	22	39	<1	1820
*Std AMIS0169	221	0.6	55	72	<1	80
*Blk BLANK	<1	<0.5	<5	<1	<1	<10
*Rep SP0142	91	<0.5	47	27	<1	1410

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0038	<1	3.8	<10	11.4	90	0.2
SP0039	<1	1.7	<10	10.2	80	<0.1
SP0040	<1	7.0	<10	15.8	20	<0.1
SP0041	<1	2.6	<10	13.3	60	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0042	<1	4.2	<10	13.8	200	0.2
SP0043	<1	2.8	<10	14.1	410	0.3
SP0044	<1	3.2	<10	12.3	190	0.3
SP0045	<1	4.5	<10	7.8	110	0.2
SP0046	<1	8.2	<10	8.1	20	0.2
SP0047	<1	5.1	<10	8.8	160	0.3
SP0048	<1	2.6	<10	4.6	70	0.1
SP0049	<1	14.1	<10	4.5	<10	0.3
SP0050	<1	3.0	<10	6.7	130	0.2
SP0051	<1	2.4	<10	5.3	190	0.4
SP0052	<1	8.0	<10	17.4	70	6.9
SP0053	<1	5.4	<10	12.8	70	0.5
SP0054	<1	17.5	<10	17.7	150	0.5
SP0055	<1	4.7	<10	8.4	270	0.3
SP0056	<1	13.8	<10	12.5	50	1.0
SP0057	<1	1.8	<10	1.6	10	0.3
SP0058	<1	7.5	<10	7.2	90	0.2
SP0059	<1	6.3	<10	10.7	120	0.4
SP0060	<1	2.5	<10	7.7	50	0.2
SP0061	<1	2.8	<10	10.9	380	0.4
SP0062	<1	14.0	<10	11.8	10	0.2
SP0063	<1	4.5	<10	8.1	40	0.5
SP0064	<1	1.1	<10	7.2	50	0.2
SP0065	<1	24.2	<10	22.9	40	0.2
SP0066	<1	4.7	<10	11.7	40	0.1
SP0067	<1	15.8	<10	13.1	20	0.2
SP0068	<1	7.6	<10	11.2	60	<0.1
SP0069	<1	2.9	<10	8.5	60	0.2

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0070	<1	15.0	<10	6.2	50	<0.1
SP0071	<1	22.0	<10	25.8	10	0.1
SP0072	<1	6.1	<10	15.2	30	<0.1
SP0073	<1	8.1	<10	8.1	30	0.1
SP0074	<1	2.2	<10	7.3	260	0.2
SP0075	<1	3.6	<10	6.5	190	0.3
SP0076	<1	8.7	<10	20.8	180	0.4
SP0077	<1	5.9	<10	5.9	30	<0.1
SP0078	<1	9.3	<10	18.0	40	0.2
SP0079	<1	4.9	<10	14.4	60	0.1
SP0080	<1	4.3	<10	6.4	60	0.3
SP0081	<1	9.8	<10	6.7	10	0.1
SP0082	<1	8.0	<10	19.7	30	0.1
SP0083	<1	5.6	<10	14.0	30	<0.1
SP0084	<1	3.6	<10	7.7	20	0.2
SP0085	<1	5.3	<10	24.2	590	0.5
SP0086	<1	8.9	<10	5.2	30	0.4
SP0087	<1	6.4	<10	7.1	40	0.5
SP0088	<1	4.6	<10	6.5	110	0.2
SP0089	<1	3.3	<10	7.1	70	0.1
SP0090	<1	1.8	<10	1.0	<10	0.3
SP0091	<1	6.3	<10	16.3	30	0.1
SP0092	<1	6.6	<10	12.0	130	0.3
SP0093	<1	2.8	<10	9.2	30	<0.1
SP0094	<1	2.1	<10	1.9	50	0.1
SP0095	<1	18.1	<10	16.7	<10	0.1
SP0096	<1	0.9	<10	1.4	60	<0.1
SP0097	<1	3.5	<10	5.8	20	0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0098	<1	0.2	<10	<0.5	<10	<0.1
SP0099	<1	8.4	<10	13.9	90	0.2
SP0100	<1	1.9	<10	<0.5	10	0.5
SP0101	<1	3.7	<10	7.8	70	0.1
SP0102	<1	5.8	<10	11.0	30	0.2
SP0103	<1	8.9	<10	4.5	30	0.2
SP0104	<1	2.7	<10	4.6	180	0.3
SP0105	<1	2.2	<10	5.5	250	0.2
SP0106	<1	4.4	<10	4.5	60	0.2
SP0107	<1	30.9	<10	7.2	10	0.3
SP0108	<1	2.2	<10	5.7	30	0.1
SP0109	<1	9.2	<10	11.2	90	0.3
SP0110	<1	5.9	<10	9.9	80	0.2
SP0111	<1	6.5	<10	13.0	360	0.9
SP0112	<1	5.9	<10	10.5	110	0.2
SP0113	<1	11.7	<10	9.7	40	0.1
SP0114	<1	6.8	<10	18.9	90	0.1
SP0115	<1	4.6	<10	11.5	90	<0.1
SP0116	<1	17.3	<10	14.6	60	0.1
SP0117	<1	8.4	<10	3.7	10	<0.1
SP0118	<1	18.9	<10	11.3	10	<0.1
SP0119	<1	2.9	<10	2.8	30	<0.1
SP0120	<1	3.1	<10	10.1	40	0.2
SP0121	<1	2.7	<10	5.7	80	<0.1
SP0122	<1	1.5	<10	2.6	<10	<0.1
SP0123	<1	3.4	<10	<0.5	<10	<0.1
SP0124	<1	2.9	<10	7.6	80	<0.1
SP0125	<1	11.5	<10	4.9	<10	0.2

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0126	<1	1.9	<10	4.3	50	<0.1
SP0127	<1	3.4	<10	1.5	10	0.3
SP0128	<1	9.5	<10	12.3	100	<0.1
SP0129	<1	1.5	<10	4.8	50	<0.1
SP0130	<1	14.3	<10	11.3	40	<0.1
SP0131	<1	17.0	<10	10.9	30	0.2
SP0132	<1	1.9	<10	5.6	10	<0.1
SP0133	<1	10.6	<10	4.7	10	<0.1
SP0134	<1	1.7	<10	9.5	220	0.2
SP0135	<1	32.9	<10	18.0	70	<0.1
SP0136	<1	2.5	<10	5.0	30	<0.1
SP0137	<1	3.3	<10	8.6	20	<0.1
SP0138	<1	5.2	<10	6.1	10	<0.1
SP0139	<1	7.0	<10	6.0	<10	<0.1
SP0140	<1	3.5	<10	9.1	40	<0.1
SP0141	<1	15.0	<10	10.8	20	0.2
SP0142	<1	6.7	<10	1.2	<10	0.3
SP0143	<1	9.0	<10	5.3	30	0.4
SP0144	<1	3.0	<10	3.1	<10	0.2
SP0145	<1	2.0	<10	2.1	20	0.3
SP0146	<1	1.5	<10	1.3	<10	0.1
SP0147	<1	6.0	<10	9.8	30	0.1
SP0148	<1	5.1	<10	6.4	100	0.2
SP0149	<1	2.4	<10	11.4	20	0.3
SP0150	<1	4.7	<10	3.0	10	0.1
SP0151	<1	14.3	<10	10.6	<10	0.2
SP0152	<1	10.1	<10	8.2	<10	0.2
SP0153	<1	17.1	<10	9.7	<10	0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0154	<1	4.2	<10	17.6	10	0.1
SP0155	<1	10.3	<10	10.1	<10	0.2
SP0156	<1	9.8	<10	11.6	<10	0.1
SP0157	<1	7.3	<10	6.8	<10	0.1
SP0158	<1	24.3	<10	10.6	<10	0.2
SP0159	<1	17.2	<10	9.9	10	0.2
SP0160	<1	18.3	<10	8.4	<10	<0.1
SP0161	<1	9.0	<10	6.3	<10	<0.1
SP0162	<1	11.6	<10	6.1	<10	<0.1
SP0163	<1	5.4	<10	3.8	<10	0.2
SP0164	<1	5.6	<10	2.6	<10	0.1
SP0165	<1	14.0	<10	8.3	<10	<0.1
SP0166	<1	20.4	<10	8.2	<10	0.2
SP0167	<1	10.8	<10	20.3	20	<0.1
SP0168	<1	1.7	<10	12.5	50	0.2
SP0169	<1	5.2	<10	15.5	250	0.2
SP0170	<1	7.4	<10	14.2	20	0.1
SP0171	<1	14.2	<10	11.4	<10	0.1
SP0172	<1	0.4	<10	0.6	<10	<0.1
SP0173	<1	12.5	<10	22.7	40	0.1
SP0174	<1	25.9	<10	11.6	<10	0.1
SP0175	<1	8.1	<10	10.3	40	0.2
SP0176	<1	3.3	<10	6.8	30	<0.1
SP0177	<1	1.8	<10	4.7	40	0.2
SP0179	<1	0.3	<10	<0.5	<10	0.2
SP0180	<1	3.4	<10	10.1	60	0.1
SP0181	<1	1.9	<10	9.9	160	0.1
SP0182	<1	3.4	<10	6.3	100	0.2

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0183	<1	4.9	<10	13.5	180	0.2
SP0184	<1	9.3	<10	7.9	100	0.2
SP0185	<1	4.3	<10	6.1	110	0.2
SP0186	<1	4.1	<10	5.1	100	0.2
SP0187	<1	3.7	<10	8.8	20	<0.1
SP0188	<1	7.0	<10	7.8	30	<0.1
SP0189	<1	9.3	<10	9.7	30	<0.1
SP0190	<1	1.5	<10	7.9	100	0.1
SP0191	<1	2.8	<10	8.2	160	0.2
SP0192	<1	4.7	<10	9.5	80	0.1
SP0193	<1	5.9	<10	13.8	310	0.2
SP0194	<1	10.9	<10	12.5	50	<0.1
SP0195	<1	7.4	<10	9.2	150	0.3
SP0196	<1	2.8	<10	7.6	20	<0.1
SP0197	<1	5.1	<10	19.8	300	0.3
SP0198	<1	4.6	<10	9.9	230	0.3
SP0199	<1	6.7	<10	9.9	<10	<0.1
SP0200	<1	2.8	<10	9.0	250	0.2
SP0201	<1	5.9	<10	15.5	400	0.4
SP0202	<1	2.9	<10	10.0	130	0.2
SP0203	<1	3.8	<10	11.0	170	0.1
SP0204	<1	4.1	<10	7.7	30	<0.1
SP0205	<1	5.3	<10	8.1	<10	<0.1
SP0206	<1	2.8	<10	8.4	30	<0.1
SP0207	<1	4.0	<10	12.0	340	0.2
SP0208	<1	7.1	<10	10.9	140	0.4
SP0209	<1	4.1	<10	12.0	390	0.2
SP0210	<1	1.5	<10	3.6	20	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0211	<1	3.1	<10	7.8	140	0.3
SP0212	<1	2.8	<10	17.4	500	0.3
SP0213	<1	3.1	<10	10.5	120	0.2
SP0214	<1	6.4	<10	13.9	450	0.4
SP0215	<1	5.8	<10	12.4	150	0.2
SP0216	<1	5.2	<10	8.5	90	0.3
SP0217	<1	3.6	<10	8.8	70	0.2
SP0218	<1	6.6	<10	8.0	10	<0.1
SP0219	<1	1.9	<10	13.1	30	0.1
SP0220	<1	10.1	<10	17.4	330	0.4
SP0221	<1	2.0	<10	12.2	300	0.2
SP0222	<1	5.0	<10	14.3	260	0.3
SP0223	<1	2.2	<10	5.8	90	0.2
SP0224	<1	4.3	<10	10.2	100	0.2
SP0225	<1	3.0	<10	9.5	370	0.2
SP0226	<1	16.4	<10	23.6	730	0.3
SP0227	<1	4.7	<10	12.6	280	0.2
SP0228	<1	14.4	<10	15.1	170	0.2
SP0229	<1	5.6	<10	14.2	370	0.3
SP0230	<1	1.2	<10	1.8	10	0.3
SP0231	<1	3.5	<10	9.0	40	<0.1
SP0232	<1	3.3	<10	12.6	480	0.2
SP0233	<1	5.4	<10	8.2	130	0.3
SP0234	<1	6.7	<10	8.0	10	<0.1
SP0235	<1	6.6	<10	6.5	30	0.1
SP0236	<1	3.0	<10	3.8	30	0.3
SP0237	<1	6.9	<10	9.4	<10	0.8
SP0238	<1	3.5	<10	5.0	50	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0239	<1	7.5	<10	6.6	40	0.3
SP0240	<1	5.0	<10	9.6	10	<0.1
SP0241	<1	9.1	<10	7.8	40	0.1
SP0242	<1	3.1	<10	8.8	180	0.3
SP0243	<1	3.9	<10	16.7	380	0.2
SP0244	<1	6.0	<10	14.8	10	<0.1
SP0245	<1	9.8	<10	7.7	20	0.3
SP0246	<1	20.9	<10	18.5	20	<0.1
SP0247	<1	2.6	<10	5.0	20	0.3
SP0248	<1	2.7	<10	19.6	250	0.1
SP0249	<1	2.7	<10	17.0	200	0.2
SP0250	<1	0.9	<10	6.0	80	0.3
SP0251	<1	6.1	<10	17.1	40	<0.1
SP0252	<1	4.3	<10	26.1	220	0.3
SP0253	<1	6.3	<10	17.6	20	<0.1
SP0254	<1	6.8	<10	7.0	50	0.1
SP0255	<1	9.2	<10	22.8	30	<0.1
SP0256	<1	3.5	<10	10.4	140	0.2
SP0257	<1	5.3	<10	10.9	100	0.1
SP0258	<1	4.5	<10	17.4	280	0.3
SP0259	<1	1.6	<10	3.8	20	<0.1
SP0260	<1	4.2	<10	17.8	430	0.3
SP0261	<1	4.0	<10	17.5	250	0.3
SP0262	<1	5.3	<10	17.1	420	0.4
SP0263	<1	2.2	<10	2.0	<10	<0.1
SP0264	<1	8.7	<10	14.6	160	0.2
*Rep SP0045	<1	4.7	<10	7.7	90	0.2
*Blk BLANK	<1	<0.1	<10	<0.5	<10	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
*Std AMIS0169	<1	6.8	<10	80.0	290	1.5
*Rep SP0080	<1	4.5	<10	6.2	60	0.3
*Rep SP0091	<1	6.1	<10	15.1	20	0.1
*Rep SP0249	<1	3.0	<10	18.5	260	0.2
*Std AMIS0169	<1	5.2	<10	68.5	310	1.4
*Rep SP0262	<1	5.2	<10	17.6	430	0.4
*Blk BLANK	<1	<0.1	<10	<0.5	<10	<0.1
*Rep SP0199	<1	6.9	<10	10.4	<10	0.1
*Rep SP0216	<1	5.3	<10	8.4	90	0.3
*Std AMIS0169	<1	5.4	<10	72.1	280	1.3
*Rep SP0230	<1	1.3	<10	1.8	10	0.3
*Blk BLANK	<1	<0.1	<10	<0.5	<10	<0.1
*Blk BLANK	<1	<0.1	<10	<0.5	10	<0.1
*Rep SP0038	<1	3.7	<10	11.2	90	0.2
*Std AMIS0169	<1	6.0	<10	79.8	370	1.5
*Rep SP0154	<1	4.5	<10	17.4	10	0.1
*Blk BLANK	<1	<0.1	<10	<0.5	<10	<0.1
*Rep SP0169	<1	4.9	<10	16.1	230	0.2
*Std AMIS0169	<1	5.5	<10	74.1	300	1.4
*Rep SP0192	<1	4.8	<10	8.9	90	0.1
*Rep SP0106	<1	4.5	<10	5.0	60	0.3
*Rep SP0117	<1	8.3	<10	3.3	40	<0.1
*Std AMIS0169	<1	6.6	<10	71.1	280	1.4
*Blk BLANK	<1	<0.1	<10	<0.5	<10	<0.1
*Rep SP0142	<1	6.7	<10	1.2	<10	0.3

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0038	22.7	<0.5	102	9.8	340	168
SP0039	13.9	<0.5	45	4.3	150	82
SP0040	27.0	<0.5	192	17.5	660	82
SP0041	16.2	<0.5	68	6.3	440	111
SP0042	23.9	<0.5	119	11.1	260	191
SP0043	20.4	<0.5	96	9.3	960	262
SP0044	22.6	0.5	105	9.1	590	197
SP0045	19.4	<0.5	146	13.5	250	85
SP0046	48.8	<0.5	244	19.4	400	47
SP0047	13.2	<0.5	137	13.1	120	122
SP0048	12.2	<0.5	71	5.5	60	40
SP0049	12.2	<0.5	366	37.4	40	21
SP0050	11.9	<0.5	87	7.9	280	88
SP0051	10.0	<0.5	70	6.3	350	65
SP0052	31.0	<0.5	241	23.0	380	121
SP0053	14.1	<0.5	163	13.1	200	100
SP0054	21.9	<0.5	608	45.7	340	138
SP0055	11.1	<0.5	133	12.6	440	104
SP0056	46.5	<0.5	458	36.4	100	70
SP0057	11.4	<0.5	72	5.5	<10	8
SP0058	16.3	<0.5	223	20.1	120	92
SP0059	15.2	<0.5	171	14.2	170	125
SP0060	9.1	<0.5	63	6.2	1030	44
SP0061	13.7	0.6	84	8.3	780	112
SP0062	24.4	<0.5	332	22.7	130	46
SP0063	14.7	<0.5	131	9.2	80	86
SP0064	7.6	<0.5	34	3.2	1770	34
SP0065	31.6	<0.5	551	55.4	190	111

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0066	14.7	<0.5	115	10.3	150	65
SP0067	23.1	<0.5	352	31.1	110	58
SP0068	14.7	<0.5	166	13.5	150	61
SP0069	12.3	<0.5	60	4.9	300	63
SP0070	43.3	<0.5	420	34.9	300	19
SP0071	36.5	0.8	606	60.6	160	45
SP0072	17.1	<0.5	145	13.2	80	33
SP0073	15.0	<0.5	211	21.1	1390	25
SP0074	9.2	<0.5	64	6.4	1370	78
SP0075	15.4	<0.5	135	14.6	540	77
SP0076	18.5	<0.5	261	22.3	220	212
SP0077	8.9	<0.5	157	13.6	1710	16
SP0078	74.1	<0.5	195	17.8	530	93
SP0079	17.7	<0.5	113	10.3	250	81
SP0080	15.7	<0.5	118	11.4	180	96
SP0081	16.1	<0.5	273	21.0	100	23
SP0082	21.7	<0.5	174	15.8	1690	103
SP0083	17.4	<0.5	118	10.9	130	37
SP0084	19.3	<0.5	68	6.7	100	38
SP0085	20.8	0.5	142	13.2	110	214
SP0086	23.3	<0.5	219	18.1	290	43
SP0087	19.0	<0.5	171	15.9	170	88
SP0088	13.6	<0.5	114	10.5	210	94
SP0089	10.5	<0.5	79	6.1	290	56
SP0090	10.5	<0.5	74	6.7	50	11
SP0091	20.9	<0.5	158	14.1	280	64
SP0092	16.5	<0.5	192	16.5	350	110
SP0093	14.0	<0.5	80	7.7	630	24

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils

Number of Samples 226

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0094	10.3	<0.5	48	4.5	90	28
SP0095	26.7	<0.5	374	29.8	160	42
SP0096	5.1	<0.5	26	2.5	260	6
SP0097	56.8	<0.5	90	7.3	60	20
SP0098	18.7	<0.5	9	1.1	20	2
SP0099	15.5	<0.5	244	18.6	160	102
SP0100	8.5	<0.5	61	5.9	60	9
SP0101	11.1	<0.5	87	7.9	120	48
SP0102	24.4	<0.5	143	10.7	30	28
SP0103	15.1	<0.5	249	20.6	350	28
SP0104	11.3	<0.5	80	7.7	100	55
SP0105	8.9	<0.5	57	5.5	250	74
SP0106	13.5	<0.5	122	10.0	300	48
SP0107	17.8	<0.5	761	62.2	40	41
SP0108	10.4	<0.5	52	4.3	220	34
SP0109	19.4	<0.5	217	18.6	110	123
SP0110	15.6	<0.5	141	11.5	100	89
SP0111	14.2	<0.5	170	16.0	300	176
SP0112	14.2	<0.5	146	11.7	290	79
SP0113	16.3	<0.5	318	28.3	460	55
SP0114	16.7	<0.5	144	13.8	240	120
SP0115	12.8	<0.5	100	7.9	480	68
SP0116	19.0	<0.5	395	33.7	340	61
SP0117	8.8	<0.5	206	16.8	270	12
SP0118	18.1	<0.5	462	41.5	530	22
SP0119	9.5	<0.5	68	5.2	240	13
SP0120	15.3	<0.5	72	6.4	270	59
SP0121	7.8	<0.5	63	6.5	670	48

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0122	7.3	<0.5	41	4.0	170	8
SP0123	9.5	<0.5	109	9.8	50	8
SP0124	10.8	<0.5	67	6.2	290	59
SP0125	13.4	<0.5	263	21.8	100	21
SP0126	8.1	<0.5	51	5.0	960	29
SP0127	6.2	<0.5	98	8.2	70	15
SP0128	17.2	<0.5	231	17.8	300	82
SP0129	7.1	<0.5	32	3.3	110	40
SP0130	20.1	<0.5	366	30.9	180	32
SP0131	20.1	<0.5	423	33.8	70	71
SP0132	8.4	<0.5	44	4.4	120	15
SP0133	17.1	<0.5	321	24.2	40	7
SP0134	8.7	<0.5	43	4.4	2930	95
SP0135	24.5	<0.5	748	80.2	220	96
SP0136	8.4	<0.5	59	5.4	820	17
SP0137	11.1	<0.5	73	6.6	110	49
SP0138	10.5	<0.5	150	12.3	100	21
SP0139	15.2	<0.5	187	14.7	240	11
SP0140	13.5	<0.5	91	7.6	110	38
SP0141	26.9	<0.5	486	40.5	70	52
SP0142	4.7	<0.5	297	23.6	20	9
SP0143	17.7	<0.5	359	29.3	170	52
SP0144	13.4	<0.5	108	8.7	30	7
SP0145	11.5	<0.5	73	8.0	400	31
SP0146	6.0	<0.5	48	4.2	40	9
SP0147	14.9	<0.5	157	12.7	470	41
SP0148	10.7	<0.5	170	16.7	1450	68
SP0149	9.5	<0.5	57	4.8	1380	47

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0150	15.5	<0.5	116	9.4	50	20
SP0151	23.1	<0.5	455	39.2	80	13
SP0152	23.1	<0.5	239	19.7	90	26
SP0153	13.7	<0.5	520	43.5	80	12
SP0154	16.0	<0.5	104	8.9	590	29
SP0155	21.0	<0.5	291	23.0	100	27
SP0156	15.5	<0.5	240	22.5	190	15
SP0157	19.1	<0.5	204	15.2	180	13
SP0158	18.8	<0.5	682	67.6	60	38
SP0159	21.9	<0.5	490	45.6	190	37
SP0160	17.9	<0.5	615	55.2	90	9
SP0161	10.0	<0.5	308	33.0	100	11
SP0162	15.1	<0.5	358	28.4	200	13
SP0163	10.8	<0.5	210	18.3	50	16
SP0164	5.3	<0.5	152	13.1	130	6
SP0165	18.6	<0.5	367	29.7	80	27
SP0166	11.6	<0.5	589	59.3	80	12
SP0167	13.4	<0.5	283	26.6	290	37
SP0168	9.4	<0.5	50	4.7	90	49
SP0169	15.6	<0.5	156	12.3	980	191
SP0170	20.7	<0.5	193	16.5	330	40
SP0171	29.8	<0.5	360	27.9	100	19
SP0172	1.6	<0.5	16	1.9	30	5
SP0173	27.2	<0.5	345	30.0	400	73
SP0174	12.8	0.6	771	95.3	140	26
SP0175	20.1	<0.5	220	19.9	270	61
SP0176	14.3	<0.5	85	7.7	210	29
SP0177	12.2	<0.5	51	3.8	160	32

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0179	5.5	<0.5	16	1.8	20	4
SP0180	16.2	<0.5	86	7.6	400	65
SP0181	7.3	<0.5	46	4.1	120	77
SP0182	12.5	<0.5	90	8.3	80	86
SP0183	12.2	<0.5	133	11.4	100	107
SP0184	17.4	<0.5	331	25.8	300	91
SP0185	12.0	<0.5	167	13.4	350	85
SP0186	15.5	<0.5	148	13.7	40	88
SP0187	14.2	<0.5	107	9.6	280	57
SP0188	8.6	<0.5	147	16.2	500	46
SP0189	16.7	<0.5	257	26.1	470	51
SP0190	7.8	<0.5	38	3.8	150	63
SP0191	9.3	<0.5	73	7.0	210	85
SP0192	12.1	<0.5	135	11.0	60	74
SP0193	16.8	<0.5	205	17.8	120	155
SP0194	18.3	<0.5	361	28.6	240	76
SP0195	17.5	<0.5	223	19.1	80	136
SP0196	30.5	<0.5	97	6.5	20	29
SP0197	12.1	<0.5	115	12.1	70	191
SP0198	13.9	<0.5	142	12.5	230	139
SP0199	30.9	<0.5	247	19.2	50	45
SP0200	8.9	<0.5	76	6.5	120	83
SP0201	13.2	<0.5	194	16.7	160	190
SP0202	9.6	<0.5	77	6.7	270	90
SP0203	9.6	<0.5	90	8.9	130	75
SP0204	12.5	<0.5	122	11.3	1240	55
SP0205	17.9	<0.5	126	11.1	140	34
SP0206	11.4	<0.5	67	5.2	100	20

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0207	11.8	<0.5	122	11.6	40	161
SP0208	19.5	<0.5	217	18.1	90	141
SP0209	14.3	<0.5	132	11.9	320	161
SP0210	1.6	<0.5	48	3.7	50	9
SP0211	12.8	<0.5	88	8.5	110	125
SP0212	11.4	<0.5	76	7.7	50	200
SP0213	9.7	<0.5	77	6.2	120	118
SP0214	16.8	0.6	182	17.1	50	197
SP0215	15.6	<0.5	182	16.4	70	126
SP0216	12.9	<0.5	257	24.2	310	90
SP0217	18.0	<0.5	118	11.1	1080	95
SP0218	10.2	<0.5	202	19.4	440	30
SP0219	13.6	<0.5	45	3.5	180	38
SP0220	16.3	<0.5	434	35.4	270	190
SP0221	10.0	<0.5	51	4.4	160	113
SP0222	15.2	<0.5	146	14.2	120	200
SP0223	10.0	<0.5	64	6.0	180	80
SP0224	13.1	<0.5	152	12.7	140	109
SP0225	7.7	<0.5	124	10.5	330	102
SP0226	17.5	0.7	488	46.8	160	308
SP0227	13.1	<0.5	153	14.4	410	153
SP0228	23.2	<0.5	420	34.3	130	203
SP0229	14.9	<0.5	189	16.9	300	177
SP0230	12.0	<0.5	53	4.1	<10	12
SP0231	8.0	<0.5	97	7.9	60	63
SP0232	12.3	<0.5	103	11.1	240	165
SP0233	12.3	<0.5	173	14.3	80	103
SP0234	11.5	<0.5	197	19.4	250	46

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0235	18.3	<0.5	194	18.9	2040	68
SP0236	13.1	<0.5	117	11.3	790	53
SP0237	26.6	<0.5	186	14.4	120	36
SP0238	11.4	<0.5	98	8.4	520	35
SP0239	19.5	<0.5	247	25.2	570	88
SP0240	18.3	<0.5	130	11.6	420	29
SP0241	13.9	<0.5	225	17.1	370	81
SP0242	25.3	<0.5	119	9.7	220	147
SP0243	24.2	<0.5	179	21.4	1280	206
SP0244	31.5	<0.5	204	20.5	70	89
SP0245	29.7	<0.5	340	31.0	730	58
SP0246	37.0	<0.5	613	55.3	130	120
SP0247	16.8	<0.5	105	8.6	40	37
SP0248	17.3	<0.5	83	7.2	140	241
SP0249	20.9	<0.5	80	7.7	160	289
SP0250	13.3	<0.5	27	2.6	620	63
SP0251	35.2	<0.5	229	21.4	470	71
SP0252	23.1	<0.5	140	13.0	60	401
SP0253	28.3	<0.5	184	18.6	160	99
SP0254	18.5	<0.5	201	19.5	210	75
SP0255	50.4	<0.5	319	26.8	760	122
SP0256	34.1	<0.5	125	12.6	630	195
SP0257	23.2	<0.5	132	13.9	1850	141
SP0258	27.0	<0.5	157	14.9	850	324
SP0259	9.2	<0.5	62	6.1	60	33
SP0260	23.6	<0.5	130	12.2	340	320
SP0261	26.4	<0.5	122	11.7	190	303
SP0262	20.8	0.6	167	14.4	170	296

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0263	9.5	<0.5	82	6.6	50	10
SP0264	20.4	<0.5	252	21.0	80	177
*Rep SP0045	18.4	<0.5	142	13.0	250	83
*Blk BLANK	<0.5	<0.5	<1	<0.2	<10	<2
*Std AMIS0169	25.6	1.4	126	10.1	210	44
*Rep SP0080	16.2	<0.5	121	11.8	190	102
*Rep SP0091	18.8	<0.5	154	13.2	290	62
*Rep SP0249	21.9	<0.5	84	8.2	190	301
*Std AMIS0169	23.4	1.5	117	9.3	190	47
*Rep SP0262	20.8	<0.5	167	14.3	180	307
*Blk BLANK	<0.5	<0.5	<1	<0.2	<10	<2
*Rep SP0199	31.3	<0.5	245	18.6	50	46
*Rep SP0216	12.2	<0.5	237	23.3	280	88
*Std AMIS0169	23.2	1.3	115	9.5	200	42
*Rep SP0230	11.1	<0.5	54	4.0	<10	12
*Blk BLANK	<0.5	<0.5	<1	<0.2	<10	<2
*Blk BLANK	<0.5	<0.5	<1	<0.2	<10	<2
*Rep SP0038	22.8	<0.5	103	9.7	350	168
*Std AMIS0169	25.3	1.6	136	10.1	230	56
*Rep SP0154	15.8	<0.5	108	9.4	650	29
*Blk BLANK	<0.5	<0.5	<1	<0.2	<10	<2
*Rep SP0169	16.0	<0.5	150	12.4	920	191
*Std AMIS0169	23.8	1.3	121	9.3	200	43
*Rep SP0192	12.2	<0.5	136	11.3	60	76
*Rep SP0106	14.5	<0.5	118	10.1	340	51
*Rep SP0117	8.5	<0.5	203	17.2	280	10
*Std AMIS0169	23.4	1.3	115	9.5	180	38
*Blk BLANK	<0.5	<0.5	<1	<0.2	<10	<2

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-10857

Submission Number *BBY* RENNAISSANCE GEOSCIENCE/ SADIM / 226 Soils
Number of Samples 226

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
*Rep SP0142	5.1	<0.5	298	24.3	20	10

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

To COD SGS MINERALS - GEOCHEM VANCOUVER
RENAISSANCE GEOSCIENCE SERVICES INC - LE LINDINGER
SGS CANADA INC
3260 PRODUCTION WAY
BURNABY V5A 4W4
BC
CANADA

Project	RENNAISSANCE_GEOSCIENCE_SERVICES_INC.	Date Received	10-Sep-2021
		Date Analysed	16-Sep-2021 - 25-Oct-2021
		Date Completed	25-Oct-2021
Submission Number	*BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils	SGS Order Number	BBM21-12712
Number of Samples	387		

Methods Summary

Number of Sample	Method Code	Description
387	G_WGH_KG	Weight of samples received
387	GE_DIGMMI	Mobile Metal ION analyses
387	GE_MMIM	Mobile Metal ION standard package,ICP-MS

Authorised Signatory

John Chiang
Laboratory Operations Manager

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- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
SP0265	0.79	26.3	162	<10	<0.1	770
SP0266	0.91	19.3	96	<10	<0.1	1890
SP0267	0.97	35.4	182	20	0.1	1400
SP0268	0.76	24.8	172	<10	<0.1	2850
SP0269	0.75	26.0	103	<10	<0.1	4310
SP0270	0.77	19.2	125	<10	<0.1	1440
SP0271	0.89	21.1	131	<10	<0.1	1480
SP0272	0.89	16.8	147	<10	<0.1	2160
SP0273	0.61	12.3	172	20	<0.1	1900
SP0274	0.82	31.0	124	<10	<0.1	920
SP0275	0.68	27.7	121	<10	<0.1	1770
SP0276	0.83	17.5	72	<10	<0.1	4920
SP0277	0.75	22.0	123	<10	<0.1	3130
SP0278	0.75	6.7	96	<10	<0.1	9200
SP0279	1.02	12.9	134	<10	<0.1	7150
SP0280	1.04	14.2	17	<10	0.3	5000
SP0281	1.07	8.0	25	20	<0.1	6020
SP0282	0.93	11.5	139	<10	<0.1	6870
SP0283	0.92	31.4	103	<10	0.3	11600
SP0284	0.78	20.7	119	<10	<0.1	3060
SP0285	0.83	21.4	99	<10	<0.1	3050
SP0286	0.79	29.6	164	<10	<0.1	2440
SP0287	0.72	21.7	190	<10	<0.1	1340
SP0288	0.75	22.4	190	10	<0.1	3380
SP0289	0.91	21.6	126	<10	<0.1	3380
SP0290	0.94	35.2	87	<10	0.4	4440
SP0291	0.77	12.6	96	<10	<0.1	860
SP0292	0.93	16.9	44	80	<0.1	950

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
SP0293	0.73	40.2	26	<10	0.1	2580
SP0294	0.78	19.7	115	<10	<0.1	3600
SP0295	0.70	56.5	126	<10	<0.1	2570
SP0296	0.72	68.7	127	<10	<0.1	5050
SP0297	0.65	18.6	149	<10	<0.1	2590
SP0298	0.69	23.5	101	<10	<0.1	4550
SP0299	0.75	22.8	122	<10	<0.1	2440
SP0300	0.57	47.2	95	<10	0.1	9540
SP0301	1.12	16.0	11	<10	1.3	3330
SP0302	0.75	23.6	137	<10	0.3	4220
SP0303	0.87	35.2	140	<10	<0.1	2190
SP0304	0.88	49.1	134	<10	0.1	1390
SP0305	0.62	22.1	144	<10	<0.1	1160
SP0306	0.88	20.8	106	<10	<0.1	2550
SP0307	1.04	18.6	114	<10	<0.1	3460
SP0308	1.15	23.6	13	<10	0.2	4750
SP0309	0.95	26.7	35	<10	0.1	5380
SP0310	1.13	16.0	41	<10	0.1	6600
SP0311	1.03	12.2	20	<10	0.2	6360
SP0312	0.91	13.8	98	20	<0.1	5170
SP0313	0.95	10.5	42	<10	<0.1	10800
SP0314	0.93	24.4	108	<10	<0.1	4100
SP0315	1.01	13.2	74	<10	<0.1	10100
SP0316	0.84	17.1	67	<10	<0.1	5220
SP0317	0.84	39.0	132	<10	<0.1	4260
SP0318	1.16	25.4	113	<10	<0.1	3230
SP0319	0.95	9.7	118	<10	0.1	4570
SP0320	0.58	17.3	108	<10	<0.1	1150

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
SP0321	0.81	19.7	44	<10	0.2	7580
SP0322	1.18	12.4	105	20	0.2	5750
SP0323	0.90	15.3	30	<10	<0.1	9440
SP0324	0.86	26.3	23	<10	0.2	10700
SP0325	1.09	19.0	20	<10	0.3	8480
SP0326	0.95	57.0	51	<10	<0.1	4520
SP0327	0.93	23.2	41	<10	<0.1	4810
SP0328	0.96	23.4	56	<10	0.2	3110
SP0329	1.12	46.5	69	<10	0.2	6060
SP0330	0.92	16.3	76	<10	<0.1	6680
SP0331	0.82	23.9	65	<10	0.1	4890
SP0332	0.98	21.4	136	20	<0.1	2730
SP0333	0.97	20.0	153	<10	<0.1	2400
SP0334	0.97	58.1	89	<10	0.1	1560
SP0335	0.99	85.6	44	<10	0.2	2340
SP0336	0.81	31.6	91	<10	0.1	4660
SP0337	0.62	84.1	25	<10	0.2	1440
SP0338	0.95	29.1	69	<10	<0.1	4850
SP0339	0.73	32.0	32	<10	0.3	4630
SP0340	0.98	37.9	17	<10	1.3	640
SP0341	0.60	27.5	42	<10	<0.1	2310
SP0342	0.94	17.4	96	<10	<0.1	2550
SP0343	0.61	20.5	148	<10	<0.1	900
SP0344	0.69	25.7	87	<10	<0.1	1980
SP0345	0.87	8.7	118	<10	<0.1	1420
SP0346	0.88	12.2	39	<10	<0.1	2960
SP0347	0.85	16.8	100	<10	<0.1	1570
SP0348	0.84	61.9	72	<10	<0.1	2330

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
SP0349	0.80	34.3	49	<10	<0.1	2120
SP0350	0.83	25.8	117	<10	<0.1	1350
SP0351	0.67	19.8	123	<10	<0.1	2110
SP0352	0.67	20.5	150	<10	<0.1	2080
SP0353	0.61	37.6	37	<10	<0.1	1330
SP0354	1.14	15.3	114	<10	<0.1	2000
SP0355	0.63	18.0	146	<10	<0.1	1150
SP0356	1.04	12.8	60	<10	<0.1	2370
SP0357	0.89	22.9	40	<10	0.1	2480
SP0358	0.92	4.9	95	<10	0.1	1320
SP0359	0.73	30.3	116	<10	<0.1	1130
SP0360	1.03	30.6	77	<10	<0.1	1340
SP0361	0.88	41.5	72	<10	<0.1	1780
SP0362	0.85	66.9	33	<10	<0.1	1860
SP0363	0.83	44.3	94	<10	<0.1	3310
SP0364	0.90	15.6	83	<10	<0.1	1430
SP0365	0.63	26.6	82	<10	<0.1	1500
SP0366	0.64	48.3	110	<10	<0.1	2000
SP0367	0.79	11.8	103	<10	<0.1	1430
SP0368	0.82	26.7	132	<10	<0.1	690
SP0369	0.94	27.9	86	<10	<0.1	1700
SP0370	0.90	42.1	99	<10	0.2	2200
SP0371	0.88	35.7	96	<10	<0.1	1620
SP0372	0.65	11.2	186	<10	<0.1	1300
SP0373	0.59	37.2	108	<10	<0.1	1300
SP0374	0.52	55.5	39	<10	0.2	1270
SP0375	0.65	15.9	209	20	<0.1	1380
SP0376	0.88	47.6	39	<10	<0.1	2010

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
SP0377	0.65	32.0	161	20	<0.1	2070
SP0378	1.00	19.8	50	<10	<0.1	2960
SP0379	0.74	19.3	30	<10	<0.1	1780
SP0380	0.82	28.7	53	<10	<0.1	2090
SP0381	0.83	21.0	33	<10	0.2	2490
SP0382	0.86	20.7	64	<10	<0.1	3470
SP0383	0.68	15.5	66	<10	<0.1	2200
SP0384	0.72	18.5	14	<10	0.2	2590
SP0385	0.49	32.5	49	<10	<0.1	8410
SP0386	0.66	25.1	49	<10	<0.1	6080
SP0387	0.62	16.9	95	<10	<0.1	5710
SP0388	0.74	13.2	58	10	<0.1	1700
SP0389	0.57	7.9	37	<10	<0.1	3870
SP0390	0.59	16.5	178	<10	0.1	2390
SP0391	0.76	14.7	97	<10	0.1	2910
SP0392	0.52	34.3	158	<10	0.1	1740
SP0393	0.60	1.2	12	20	0.1	740
SP0394	0.49	12.6	69	<10	<0.1	2110
SP0395	0.60	103	138	<10	0.5	3040
SP0396	0.39	8.8	33	<10	<0.1	900
SP0397	0.73	61.5	129	<10	0.4	2020
SP0398	0.65	42.3	159	10	0.4	1790
SP0399	0.65	53.4	139	<10	0.1	2470
SP0400	0.62	17.3	138	<10	<0.1	1480
SP0401	0.61	27.1	151	<10	<0.1	1700
SP0402	0.69	21.2	179	<10	<0.1	1690
SP0403	0.70	39.2	128	<10	<0.1	1710
SP0404	0.76	19.4	91	<10	<0.1	2390

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
SP0405	0.56	28.1	129	<10	<0.1	700
SP0406	0.66	22.4	167	<10	0.1	1210
SP0407	0.65	19.0	144	<10	<0.1	1850
SP0408	0.61	10.2	211	<10	<0.1	1450
SP0409	0.69	24.3	166	<10	<0.1	1100
SP0410	0.93	17.3	124	<10	0.1	1380
SP0411	0.73	19.4	165	<10	<0.1	1190
SP0412	0.71	28.3	125	<10	<0.1	1210
SP0413	0.58	37.4	192	<10	<0.1	1300
SP0414	0.81	29.4	146	<10	<0.1	990
SP0415	0.75	39.0	63	<10	<0.1	1340
SP0416	0.92	16.5	143	<10	<0.1	1820
SP0417	0.88	43.5	19	<10	<0.1	1620
SP0418	0.80	35.8	52	<10	<0.1	3530
SP0419	0.94	33.9	49	<10	<0.1	1880
SP0420	0.75	52.1	121	<10	0.1	1280
SP0421	0.90	19.4	54	<10	0.2	2610
SP0422	0.78	15.7	129	<10	<0.1	1290
SP0423	0.83	14.7	92	<10	<0.1	2100
SP0424	0.81	27.2	76	<10	<0.1	2800
SP0425	0.86	25.1	30	<10	0.2	1580
SP0426	0.87	27.2	156	<10	<0.1	1070
SP0427	0.83	25.9	112	<10	<0.1	1570
SP0428	0.76	28.7	138	<10	<0.1	1560
SP0429	0.75	24.1	134	<10	<0.1	2270
SP0430	0.78	23.4	80	<10	0.2	3660
SP0431	0.78	45.3	33	<10	0.1	3020
SP0432	0.68	16.8	170	<10	<0.1	1170

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
SP0433	0.68	13.7	119	<10	<0.1	1600
SP0434	0.75	32.4	124	<10	<0.1	1080
SP0435	0.80	35.2	59	<10	<0.1	1330
SP0436	0.65	19.7	138	<10	<0.1	1380
SP0437	0.85	29.5	134	<10	<0.1	1520
SP0438	0.95	14.6	127	10	<0.1	2010
SP0439	0.88	24.8	40	<10	<0.1	1640
SP0440	0.65	14.3	125	<10	<0.1	950
SP0441	0.83	36.8	111	<10	<0.1	1170
SP0442	0.74	29.8	70	<10	<0.1	3630
SP0443	0.71	14.9	41	<10	<0.1	3680
SP0444	0.84	32.4	62	<10	<0.1	4180
SP0445	0.67	20.2	26	<10	<0.1	2480
SP0446	0.54	37.1	103	<10	<0.1	1630
SP0447	0.60	10.8	16	<10	0.3	3360
SP0448	0.59	9.3	46	30	<0.1	6280
SP0449	0.91	15.7	11	20	<0.1	2470
SP0450	0.73	12.1	44	<10	<0.1	7850
SP0451	0.93	13.7	61	<10	<0.1	3100
SP0452	0.51	4.3	119	10	<0.1	1140
SP0453	0.68	27.0	144	<10	<0.1	2470
SP0454	0.73	5.7	201	<10	<0.1	2070
SP0455	0.58	12.4	144	<10	<0.1	1920
SP0456	0.42	2.0	41	<10	<0.1	1300
SP0457	0.62	61.3	149	<10	<0.1	1920
SP0458	0.62	12.0	160	<10	<0.1	1460
SP0459	0.64	28.1	172	<10	<0.1	2510
SP0460	0.60	29.4	143	<10	<0.1	1410

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
SP0461	0.52	1.8	188	<10	<0.1	3100
SP0462	0.82	37.9	107	<10	0.1	2680
SP0463	0.64	20.1	130	<10	0.1	1570
SP0464	0.72	107	144	<10	0.7	2550
SP0465	0.72	25.7	116	<10	0.1	2130
SP0466	0.69	107	157	<10	0.5	1700
SP0467	0.78	67.0	128	10	0.5	1730
SP0468	0.61	84.9	43	<10	0.7	7010
SP0469	0.76	13.4	9	<10	2.9	5680
SP0470	0.62	34.7	43	<10	0.4	8530
SP0471	0.46	8.6	214	<10	<0.1	1940
SP0472	0.64	35.3	195	<10	0.2	2670
SP0473	0.71	28.7	161	<10	<0.1	3730
SP0474	0.69	18.7	200	30	0.1	4330
SP0475	0.87	44.7	124	<10	0.1	1170
SP0476	0.84	20.5	109	<10	0.3	5020
SP0477	0.68	13.3	178	<10	<0.1	3700
SP0478	0.61	34.0	16	<10	1.5	6060
SP0479	0.71	51.7	98	<10	0.2	6310
SP0480	0.73	18.5	18	<10	0.4	8580
SP0481	0.79	13.7	46	<10	<0.1	3260
SP0482	0.73	10.7	19	<10	<0.1	13000
SP0483	0.73	15.7	15	20	<0.1	6650
SP0484	0.75	8.3	12	10	0.1	7930
SP0485	0.73	16.9	24	20	<0.1	5030
SP0486	0.75	10.0	41	10	<0.1	5520
SP0487	0.71	11.4	59	<10	<0.1	6540
SP0488	0.60	25.9	40	<10	<0.1	3220

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
SP0489	0.71	16.9	71	<10	0.1	3820
SP0490	0.54	7.4	122	10	<0.1	4420
SP0491	0.59	10.8	24	10	<0.1	5990
SP0492	0.46	10.1	127	<10	<0.1	1310
SP0493	0.49	15.1	109	<10	<0.1	1910
SP0494	0.52	6.2	91	10	<0.1	3730
SP0495	0.48	6.8	147	20	<0.1	3590
SP0496	0.62	11.8	50	<10	<0.1	9530
SP0497	0.57	9.4	8	10	0.2	2680
SP0498	0.58	23.7	14	10	0.1	5770
SP0499	0.49	12.8	37	<10	<0.1	4150
SP0500	0.59	35.5	128	<10	0.2	2320
SP0501	0.67	54.9	162	20	0.4	3810
SP0502	0.64	38.3	94	<10	0.7	3920
SP0503	0.65	19.5	132	10	<0.1	3610
SP0504	0.46	17.8	17	<10	0.4	1360
SP0505	0.56	16.4	110	<10	<0.1	3940
SP0506	0.56	28.9	10	<10	0.3	4850
SP0507	0.64	16.4	126	<10	0.8	3040
SP0508	0.44	3.4	190	<10	<0.1	3350
SP0509	0.76	32.3	136	<10	0.1	1300
SP0510	0.76	36.5	51	<10	0.4	4600
SP0511	0.65	20.8	124	<10	0.2	4030
SP0512	0.38	3.4	125	<10	<0.1	4110
SP0513	0.78	23.5	75	<10	0.4	7690
SP0514	0.49	21.1	40	<10	0.5	1170
SP0515	0.72	1.1	27	10	0.1	2060
SP0516	0.65	22.8	158	10	0.1	3820

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
SP0517	0.84	13.9	42	20	<0.1	7560
SP0518	0.57	8.7	50	10	<0.1	5390
SP0519	0.77	31.1	45	<10	0.5	5010
SP0520	0.52	24.0	4	<10	<0.1	660
SP0521	0.91	28.6	23	<10	0.2	3960
SP0522	0.61	27.1	25	<10	0.4	2060
SP0523	0.93	12.9	25	<10	0.1	6170
SP0524	0.58	13.6	19	<10	<0.1	3480
SP0525	0.87	19.9	9	<10	0.5	12100
SP0526	0.64	10.8	57	20	<0.1	13500
SP0527	0.73	17.1	22	20	<0.1	21300
SP0528	0.64	12.6	56	20	<0.1	4900
SP0529	0.84	12.6	58	<10	<0.1	8300
SP0530	0.74	10.2	21	10	<0.1	5910
SP0531	0.95	13.5	28	20	0.1	5240
SP0532	0.72	6.4	48	<10	<0.1	9030
SP0533	0.75	10.1	10	20	0.2	12400
SP0534	0.95	9.4	43	<10	<0.1	12100
SP0535	0.76	5.5	78	<10	<0.1	4620
SP0536	0.76	7.5	24	<10	<0.1	6720
SP0537	0.63	20.5	102	10	<0.1	2930
SP0538	0.62	26.7	82	20	0.1	9520
SP0539	0.86	7.0	52	<10	0.1	14000
SP0540	0.88	18.8	38	<10	<0.1	18400
SP0541	0.93	15.2	56	10	<0.1	8060
SP0542	0.50	20.6	179	<10	<0.1	1260
SP0543	0.44	9.3	185	<10	<0.1	1170
SP0544	0.57	45.6	101	<10	0.2	3130

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
SP0545	0.61	12.0	54	<10	0.1	3760
SP0546	0.61	42.7	19	<10	0.2	4340
SP0547	0.69	41.7	132	<10	<0.1	2670
SP0548	0.81	38.3	70	<10	0.3	5000
SP0549	0.66	23.3	174	20	<0.1	1300
SP0550	0.67	7.4	205	20	<0.1	1870
SP0551	0.81	33.4	5	10	2.5	3040
SP0552	0.47	36.6	46	<10	0.1	2200
SP0553	0.64	17.7	193	20	0.1	4570
SP0554	0.42	17.0	35	<10	0.2	3390
SP0555	0.64	17.2	143	<10	<0.1	3040
SP0556	0.54	41.2	22	<10	0.4	1130
SP0557	0.61	7.8	183	10	<0.1	1510
SP0558	0.65	1.9	44	30	0.2	1000
SP0559	0.88	9.6	12	<10	0.1	4740
SP0560	0.67	25.2	146	<10	0.1	3340
SP0561	0.49	9.4	214	20	<0.1	2550
SP0562	0.71	34.8	161	<10	0.1	1950
SP0563	0.62	25.0	146	10	0.1	1920
SP0564	0.70	26.1	113	<10	0.3	1180
SP0565	0.66	16.3	263	30	<0.1	2630
SP0566	0.59	33.5	279	30	<0.1	3150
SP0567	0.74	29.8	129	20	0.3	3550
SP0568	0.71	47.9	166	20	<0.1	2410
SP0569	0.55	12.6	246	20	<0.1	2220
SP0570	0.67	7.3	49	<10	0.2	2250
SP0571	0.50	<0.5	103	<10	<0.1	240
SP0572	0.67	40.7	221	20	0.2	4660

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
SP0573	0.71	23.2	280	20	<0.1	3990
SP0574	0.62	14.0	202	<10	<0.1	5640
SP0575	0.60	24.1	205	<10	<0.1	4670
SP0576	0.66	21.2	223	10	<0.1	3940
SP0577	0.57	12.1	287	20	0.1	3820
SP0578	0.51	12.8	364	30	<0.1	4330
SP0579	0.75	28.2	193	10	0.2	4840
SP0580	0.73	32.7	71	<10	0.4	9030
SP0581	0.97	47.9	143	<10	0.3	6820
SP0582	0.68	22.0	159	<10	0.2	4990
SP0583	0.79	31.8	164	10	0.2	3860
SP0584	0.75	32.6	134	20	0.2	4460
SP0585	0.70	74.6	219	<10	0.5	1750
SP0586	0.66	46.9	208	<10	0.3	4700
SP0587	0.61	30.2	215	10	0.2	3520
SP0588	0.52	20.7	267	20	<0.1	3650
SP0589	0.70	29.5	205	<10	0.2	2400
SP0590	0.57	24.1	127	<10	<0.1	2600
SP0591	0.54	15.1	210	20	0.1	4250
SP0592	0.57	13.5	176	<10	<0.1	3680
SP0593	0.56	32.1	186	<10	0.3	2860
SP0594	0.69	11.6	171	40	0.2	4110
SP0595	0.54	7.1	138	<10	<0.1	4300
SP0596	0.59	26.2	113	<10	<0.1	2820
SP0597	0.62	68.5	163	<10	0.5	2070
SP0598	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R
SP0599	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R
SP0600	0.44	13.5	126	<10	<0.1	2810

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
SP0601	0.79	24.4	125	20	<0.1	3610
SP0602	0.54	32.1	199	<10	0.1	4080
SP0603	0.64	36.0	194	<10	0.1	2460
SP0604	0.73	30.9	208	20	0.1	3420
SP0605	0.70	53.5	194	20	0.2	2190
SP0606	0.67	23.1	185	10	0.2	1130
SP0607	0.67	21.2	58	<10	<0.1	3590
SP0608	0.44	12.2	189	<10	<0.1	2490
SP0609	0.66	53.2	70	<10	0.4	6230
SP0610	0.47	35.4	214	<10	<0.1	2210
SP0611	0.78	66.1	50	<10	0.1	4950
SP0612	0.69	30.4	171	<10	<0.1	1230
SP0613	0.66	22.3	215	20	0.1	3000
SP0614	0.90	47.8	168	10	0.3	3120
SP0615	0.69	47.8	37	<10	1.0	4200
SP0616	0.94	34.5	120	<10	<0.1	1030
SP0617	0.81	29.5	136	<10	0.2	1720
SP0618	0.67	8.2	260	20	<0.1	3390
SP0619	0.74	27.0	237	40	<0.1	3090
SP0620	0.76	38.5	247	20	<0.1	1880
SP0621	0.79	21.1	186	10	<0.1	1920
SP0622	0.68	41.3	212	20	<0.1	2130
SP0623	0.64	44.5	123	<10	<0.1	1250
SP0624	0.67	35.1	128	<10	0.1	1320
SP0625	0.52	35.5	160	<10	<0.1	2560
SP0626	0.51	5.8	172	<10	0.1	1050
SP0627	0.54	3.9	128	<10	<0.1	2290
SP0628	0.72	5.4	149	<10	<0.1	1490

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
SP0629	0.57	7.9	140	20	0.1	2720
SP0630	0.54	7.1	245	20	<0.1	3410
SP0631	0.69	11.3	20	<10	0.5	2840
SP0632	0.68	22.5	122	<10	<0.1	3230
SP0633	0.65	22.6	127	<10	<0.1	1870
SP0634	0.69	66.1	142	20	0.2	2940
SP0635	0.54	9.0	236	20	<0.1	9010
SP0636	0.57	15.8	193	10	<0.1	2800
SP0637	0.54	25.2	161	10	0.2	4060
SP0638	0.55	10.7	140	<10	0.2	3010
SP0639	0.66	17.0	179	20	<0.1	3140
SP0640	0.66	41.0	150	<10	0.1	2160
SP0641	0.50	9.2	236	20	<0.1	3490
SP0642	0.65	16.8	130	<10	<0.1	3330
SP0643	0.57	14.7	147	10	<0.1	2350
SP0644	0.69	15.0	231	10	<0.1	3540
SP0645	0.76	26.6	160	10	<0.1	2190
SP0646	0.61	24.6	146	<10	0.1	1180
SP0647	0.69	30.9	157	10	<0.1	1540
SP0648	0.92	17.8	18	<10	1.0	4410
SP0649	0.55	30.8	162	<10	<0.1	2180
SP0650	0.56	21.5	161	<10	<0.1	1200
SP0651	0.58	8.0	161	10	<0.1	2580
*Rep SP0281	-	7.8	18	20	0.1	5760
*Blk BLANK	-	<0.5	<1	<10	<0.1	<10
*Rep SP0305	-	21.7	159	<10	<0.1	1170
*Std AMIS0169	-	7.6	43	10	0.3	1080
*Rep SP0316	-	18.8	70	<10	<0.1	4960

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
*Rep SP0333	-	17.1	134	10	0.1	2780
*Std AMIS0169	-	7.3	42	<10	0.3	740
*Rep SP0345	-	8.4	122	<10	<0.1	1440
*Blk BLANK	-	<0.5	<1	<10	<0.1	<10
*Rep SP0373	-	39.2	108	<10	<0.1	1360
*Rep SP0381	-	16.7	32	<10	0.2	2430
*Rep SP0410	-	17.7	125	<10	<0.1	1470
*Std AMIS0169	-	6.5	39	<10	0.4	750
*Rep SP0422	-	15.5	131	<10	<0.1	1260
*Blk BLANK	-	<0.5	<1	<10	<0.1	<10
*Rep SP0589	-	31.1	204	10	0.2	2380
*Blk BLANK	-	0.5	<1	<10	<0.1	<10
*Rep SP0594	-	10.9	178	40	0.2	4230
*Std AMIS0169	-	6.6	48	<10	0.3	740
*Rep SP0619	-	25.5	238	40	<0.1	3040
*Blk BLANK	-	<0.5	<1	<10	<0.1	<10
*Rep SP0535	-	6.5	67	<10	<0.1	4180
*Rep SP0545	-	11.4	47	<10	0.3	3870
*Rep SP0562	-	34.2	166	10	0.1	1990
*Std AMIS0169	-	6.2	45	10	0.4	720
*Blk BLANK	-	<0.5	<1	<10	<0.1	<10
*Std AMIS0169	-	5.8	45	10	0.4	840
*Rep SP0626	-	5.6	173	<10	0.1	1110
*Blk BLANK	-	<0.5	<1	<10	<0.1	<10
*Rep SP0648	-	16.1	20	<10	1.4	4690
*Std AMIS0169	-	5.8	39	<10	0.3	790
*Blk BLANK	-	<0.5	<1	<10	<0.1	<10
*Rep SP0440	-	17.1	137	<10	<0.1	850

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
*Std AMIS0169	-	8.2	48	<10	0.4	950
*Rep SP0458	-	11.5	155	<10	<0.1	1270
*Rep SP0461	-	1.7	158	<10	<0.1	2810
*Rep SP0479	-	45.7	90	<10	0.1	6090
*Std AMIS0169	-	5.7	34	<10	0.3	800
*Rep SP0500	-	34.6	118	<10	0.1	2170
*Rep SP0511	-	21.2	121	<10	0.1	4330
*Blk BLANK	-	<0.5	<1	<10	<0.1	<10

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0265	<0.5	308	7	87	38	<100
SP0266	<0.5	329	4	67	49	<100
SP0267	<0.5	126	10	308	50	<100
SP0268	<0.5	245	7	179	48	<100
SP0269	<0.5	372	9	117	24	<100
SP0270	<0.5	196	20	74	14	<100
SP0271	<0.5	235	8	70	27	<100
SP0272	<0.5	314	20	114	37	<100
SP0273	<0.5	153	7	350	59	<100
SP0274	<0.5	335	16	85	28	<100
SP0275	<0.5	279	8	112	23	<100
SP0276	<0.5	356	3	67	41	<100
SP0277	<0.5	267	13	94	21	<100

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Number of Samples 387

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0278	<0.5	622	9	240	31	<100
SP0279	<0.5	536	8	157	13	<100
SP0280	<0.5	768	4	173	16	<100
SP0281	<0.5	841	9	92	28	<100
SP0282	<0.5	638	6	94	33	<100
SP0283	<0.5	414	4	322	41	<100
SP0284	<0.5	424	17	34	10	<100
SP0285	<0.5	356	4	104	24	<100
SP0286	<0.5	198	12	203	36	<100
SP0287	<0.5	144	10	178	90	<100
SP0288	<0.5	222	14	298	47	<100
SP0289	<0.5	382	9	105	32	<100
SP0290	<0.5	382	5	51	40	<100
SP0291	<0.5	531	17	15	12	<100
SP0292	<0.5	508	12	7	9	<100
SP0293	<0.5	530	7	70	22	<100
SP0294	<0.5	320	9	253	21	<100
SP0295	<0.5	310	13	119	13	<100
SP0296	<0.5	305	32	202	28	<100
SP0297	<0.5	296	12	156	22	<100
SP0298	<0.5	433	8	107	37	<100
SP0299	<0.5	361	11	107	38	<100
SP0300	<0.5	475	16	96	29	<100
SP0301	<0.5	478	3	9	17	<100
SP0302	<0.5	229	4	178	43	<100
SP0303	<0.5	209	7	219	26	<100
SP0304	<0.5	283	7	102	31	<100
SP0305	<0.5	161	13	157	31	<100

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Number of Samples 387

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0306	<0.5	336	7	99	19	<100
SP0307	<0.5	314	9	248	21	<100
SP0308	<0.5	688	3	88	18	<100
SP0309	<0.5	696	4	160	16	<100
SP0310	<0.5	526	3	322	19	<100
SP0311	<0.5	980	4	208	91	<100
SP0312	<0.5	469	11	79	19	<100
SP0313	<0.5	946	13	402	37	<100
SP0314	<0.5	304	15	197	23	<100
SP0315	<0.5	367	5	276	29	<100
SP0316	<0.5	532	9	124	22	<100
SP0317	<0.5	300	9	317	43	<100
SP0318	<0.5	444	12	130	35	<100
SP0319	<0.5	174	5	266	34	<100
SP0320	<0.5	440	28	31	35	<100
SP0321	<0.5	1112	18	216	172	<100
SP0322	<0.5	258	6	725	64	<100
SP0323	<0.5	538	5	55	23	<100
SP0324	<0.5	659	8	35	18	<100
SP0325	<0.5	443	3	110	32	<100
SP0326	<0.5	481	20	76	19	<100
SP0327	<0.5	440	3	90	15	<100
SP0328	<0.5	368	9	81	14	<100
SP0329	<0.5	509	7	185	27	<100
SP0330	<0.5	428	6	163	23	<100
SP0331	<0.5	307	4	40	12	<100
SP0332	<0.5	246	10	296	35	<100
SP0333	<0.5	216	10	302	36	<100

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Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0334	<0.5	313	12	245	51	<100
SP0335	<0.5	532	13	143	23	<100
SP0336	<0.5	407	16	495	66	<100
SP0337	<0.5	489	11	5	12	<100
SP0338	<0.5	461	14	646	90	<100
SP0339	<0.5	1052	14	54	59	<100
SP0340	<0.5	479	4	42	32	<100
SP0341	<0.5	445	8	55	13	<100
SP0342	<0.5	249	10	169	11	<100
SP0343	<0.5	86	19	145	32	<100
SP0344	<0.5	342	15	199	25	<100
SP0345	<0.5	263	9	112	17	<100
SP0346	<0.5	553	8	110	51	<100
SP0347	<0.5	282	14	249	21	<100
SP0348	<0.5	273	23	145	20	<100
SP0349	<0.5	448	12	56	34	<100
SP0350	<0.5	307	15	158	26	<100
SP0351	<0.5	252	16	162	34	<100
SP0352	<0.5	222	14	127	24	<100
SP0353	<0.5	495	8	22	15	<100
SP0354	<0.5	248	8	117	14	<100
SP0355	<0.5	126	12	131	18	<100
SP0356	<0.5	405	5	300	29	<100
SP0357	<0.5	463	7	67	9	<100
SP0358	<0.5	435	10	465	143	<100
SP0359	<0.5	286	53	69	6	<100
SP0360	<0.5	299	5	155	24	<100
SP0361	<0.5	304	24	92	15	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0362	<0.5	447	20	50	26	<100
SP0363	<0.5	285	17	277	29	<100
SP0364	<0.5	335	12	73	21	<100
SP0365	<0.5	337	14	66	7	<100
SP0366	<0.5	273	13	81	22	<100
SP0367	<0.5	301	22	125	22	<100
SP0368	<0.5	175	17	108	23	<100
SP0369	<0.5	238	8	88	12	<100
SP0370	<0.5	220	14	188	22	<100
SP0371	<0.5	283	11	78	10	<100
SP0372	<0.5	159	26	113	34	<100
SP0373	<0.5	275	26	47	7	<100
SP0374	<0.5	684	41	17	23	<100
SP0375	<0.5	54	73	97	68	<100
SP0376	<0.5	553	36	226	53	<100
SP0377	<0.5	299	42	300	53	<100
SP0378	<0.5	572	8	172	26	<100
SP0379	<0.5	590	26	113	37	<100
SP0380	<0.5	558	31	153	24	<100
SP0381	<0.5	612	9	233	101	<100
SP0382	<0.5	335	7	147	16	<100
SP0383	<0.5	372	8	135	17	<100
SP0384	<0.5	572	12	39	180	<100
SP0385	<0.5	487	7	62	8	<100
SP0386	<0.5	430	12	177	23	<100
SP0387	<0.5	416	12	134	20	<100
SP0388	<0.5	455	7	164	25	<100
SP0389	<0.5	560	10	84	29	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0390	<0.5	260	11	238	40	<100
SP0391	<0.5	396	12	226	63	<100
SP0392	<0.5	265	13	133	17	<100
SP0393	<0.5	430	20	3	50	<100
SP0394	<0.5	622	15	124	43	<100
SP0395	<0.5	331	21	180	23	<100
SP0396	<0.5	622	59	32	22	<100
SP0397	<0.5	208	8	223	25	<100
SP0398	<0.5	199	11	271	43	<100
SP0399	<0.5	266	21	201	19	<100
SP0400	<0.5	333	13	125	12	<100
SP0401	<0.5	326	11	135	12	<100
SP0402	<0.5	239	20	254	34	<100
SP0403	<0.5	367	12	102	21	<100
SP0404	<0.5	364	10	184	30	<100
SP0405	<0.5	288	8	65	16	<100
SP0406	<0.5	250	10	113	31	<100
SP0407	<0.5	197	6	236	17	<100
SP0408	<0.5	152	6	245	34	<100
SP0409	<0.5	182	17	205	24	<100
SP0410	<0.5	154	5	176	38	<100
SP0411	<0.5	224	9	160	21	<100
SP0412	<0.5	318	22	85	20	<100
SP0413	<0.5	197	25	139	18	<100
SP0414	<0.5	269	15	116	17	<100
SP0415	<0.5	467	6	73	16	<100
SP0416	<0.5	320	11	126	26	<100
SP0417	<0.5	668	9	29	18	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0418	<0.5	472	5	96	20	<100
SP0419	<0.5	357	10	122	26	<100
SP0420	<0.5	278	11	116	19	<100
SP0421	<0.5	365	7	99	27	<100
SP0422	<0.5	232	12	133	13	<100
SP0423	<0.5	306	7	223	20	<100
SP0424	<0.5	367	7	96	18	<100
SP0425	<0.5	542	8	41	49	<100
SP0426	<0.5	140	39	109	22	<100
SP0427	<0.5	298	18	88	17	<100
SP0428	<0.5	241	35	104	20	<100
SP0429	<0.5	252	13	206	22	<100
SP0430	<0.5	405	8	182	63	<100
SP0431	<0.5	770	15	21	13	<100
SP0432	<0.5	162	11	106	87	<100
SP0433	<0.5	320	28	55	18	<100
SP0434	<0.5	107	29	147	24	<100
SP0435	<0.5	450	20	19	26	<100
SP0436	<0.5	210	24	98	32	<100
SP0437	<0.5	216	19	145	31	<100
SP0438	<0.5	243	25	148	42	<100
SP0439	<0.5	585	14	42	24	<100
SP0440	<0.5	112	54	75	11	<100
SP0441	<0.5	216	30	111	18	<100
SP0442	<0.5	413	8	129	16	<100
SP0443	<0.5	528	6	180	24	<100
SP0444	<0.5	355	4	100	22	<100
SP0445	<0.5	423	6	119	76	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0446	<0.5	293	5	97	20	<100
SP0447	<0.5	764	17	88	155	<100
SP0448	<0.5	741	16	308	61	<100
SP0449	<0.5	740	7	21	49	<100
SP0450	<0.5	644	9	428	42	<100
SP0451	<0.5	405	6	111	15	<100
SP0452	<0.5	273	22	55	24	<100
SP0453	<0.5	239	26	84	12	<100
SP0454	<0.5	88	11	247	37	<100
SP0455	<0.5	339	23	70	37	<100
SP0456	<0.5	820	33	50	6	<100
SP0457	<0.5	205	14	166	28	<100
SP0458	<0.5	129	22	92	23	<100
SP0459	<0.5	165	50	148	36	<100
SP0460	<0.5	172	17	92	28	<100
SP0461	<0.5	355	54	62	118	<100
SP0462	<0.5	292	25	152	24	<100
SP0463	<0.5	105	15	148	30	<100
SP0464	<0.5	257	59	144	44	<100
SP0465	<0.5	286	22	142	15	<100
SP0466	<0.5	204	30	160	22	<100
SP0467	<0.5	333	5	155	27	<100
SP0468	<0.5	766	19	58	12	<100
SP0469	<0.5	1001	5	3	35	<100
SP0470	<0.5	889	6	32	9	<100
SP0471	<0.5	193	43	84	30	<100
SP0472	<0.5	221	20	163	47	<100
SP0473	<0.5	440	16	68	43	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0474	0.5	166	12	228	127	<100
SP0475	<0.5	221	8	90	22	<100
SP0476	<0.5	332	4	129	39	<100
SP0477	<0.5	105	21	161	36	<100
SP0478	<0.5	543	5	2	9	<100
SP0479	<0.5	345	10	188	13	<100
SP0480	<0.5	735	9	28	23	<100
SP0481	<0.5	285	7	294	27	<100
SP0482	<0.5	610	11	99	32	<100
SP0483	<0.5	618	11	106	21	<100
SP0484	<0.5	589	5	111	19	<100
SP0485	<0.5	413	7	57	11	<100
SP0486	<0.5	358	7	187	45	<100
SP0487	<0.5	467	5	273	14	<100
SP0488	<0.5	371	4	98	14	<100
SP0489	<0.5	617	5	149	19	<100
SP0490	<0.5	306	6	229	12	<100
SP0491	<0.5	613	4	86	11	<100
SP0492	<0.5	215	11	32	15	<100
SP0493	<0.5	297	7	86	9	<100
SP0494	<0.5	359	14	86	14	<100
SP0495	<0.5	229	28	84	17	<100
SP0496	<0.5	601	6	215	16	<100
SP0497	<0.5	750	5	7	22	<100
SP0498	<0.5	730	6	46	71	<100
SP0499	<0.5	511	7	164	24	<100
SP0500	<0.5	290	14	83	14	<100
SP0501	<0.5	173	10	299	28	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0502	<0.5	213	6	241	22	<100
SP0503	<0.5	263	7	215	34	<100
SP0504	<0.5	424	16	4	25	<100
SP0505	<0.5	302	5	188	26	<100
SP0506	<0.5	699	5	9	9	<100
SP0507	<0.5	269	8	185	24	<100
SP0508	<0.5	273	24	63	75	<100
SP0509	<0.5	172	7	184	19	<100
SP0510	<0.5	297	5	68	15	<100
SP0511	<0.5	174	8	268	29	<100
SP0512	<0.5	563	47	173	92	<100
SP0513	<0.5	252	5	166	27	<100
SP0514	<0.5	550	25	7	19	<100
SP0515	<0.5	432	2	7	35	<100
SP0516	<0.5	220	7	222	50	<100
SP0517	<0.5	452	4	231	24	<100
SP0518	<0.5	379	11	191	30	<100
SP0519	<0.5	435	9	268	161	<100
SP0520	<0.5	372	4	<2	67	<100
SP0521	<0.5	323	2	200	62	<100
SP0522	<0.5	608	6	77	45	<100
SP0523	<0.5	582	4	235	43	<100
SP0524	<0.5	424	3	54	30	<100
SP0525	<0.5	820	16	20	81	<100
SP0526	<0.5	677	6	287	16	<100
SP0527	<0.5	672	6	273	36	<100
SP0528	<0.5	594	14	169	17	<100
SP0529	<0.5	503	4	339	22	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0530	<0.5	697	8	152	35	<100
SP0531	<0.5	527	4	134	25	<100
SP0532	<0.5	595	12	666	21	<100
SP0533	<0.5	540	7	127	119	<100
SP0534	<0.5	537	5	446	31	<100
SP0535	<0.5	525	6	302	105	<100
SP0536	<0.5	790	4	169	135	<100
SP0537	<0.5	277	7	78	9	<100
SP0538	<0.5	326	6	253	21	<100
SP0539	<0.5	474	3	132	25	<100
SP0540	<0.5	408	2	193	9	<100
SP0541	<0.5	371	6	106	13	<100
SP0542	<0.5	129	8	151	51	<100
SP0543	<0.5	136	12	146	28	<100
SP0544	<0.5	373	13	46	22	<100
SP0545	<0.5	585	16	189	29	<100
SP0546	<0.5	624	10	<2	37	<100
SP0547	<0.5	205	10	143	34	<100
SP0548	<0.5	291	5	86	23	<100
SP0549	<0.5	160	12	193	65	<100
SP0550	<0.5	181	18	169	35	<100
SP0551	<0.5	369	21	8	47	<100
SP0552	<0.5	580	18	<2	9	<100
SP0553	<0.5	231	11	328	38	<100
SP0554	<0.5	316	12	148	26	<100
SP0555	<0.5	265	16	115	20	<100
SP0556	<0.5	630	24	<2	28	<100
SP0557	<0.5	251	29	101	48	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Number of Samples 387

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0558	<0.5	454	12	4	70	<100
SP0559	<0.5	419	4	17	48	<100
SP0560	<0.5	279	25	154	45	<100
SP0561	<0.5	204	34	150	89	<100
SP0562	<0.5	193	21	136	42	<100
SP0563	<0.5	282	41	77	69	<100
SP0564	<0.5	204	16	79	17	<100
SP0565	0.6	99	32	197	101	<100
SP0566	0.5	131	34	194	218	<100
SP0567	<0.5	320	52	106	96	<100
SP0568	<0.5	246	26	191	69	<100
SP0569	<0.5	153	39	157	82	<100
SP0570	<0.5	600	7	61	26	<100
SP0571	<0.5	443	28	11	29	<100
SP0572	<0.5	252	20	369	50	<100
SP0573	<0.5	135	32	286	97	<100
SP0574	<0.5	430	15	117	31	<100
SP0575	<0.5	204	19	171	59	<100
SP0576	<0.5	284	9	233	85	<100
SP0577	<0.5	136	14	246	69	<100
SP0578	0.6	85	21	245	152	<100
SP0579	<0.5	360	12	185	26	<100
SP0580	<0.5	787	10	217	24	<100
SP0581	<0.5	343	10	135	17	<100
SP0582	<0.5	332	10	247	23	<100
SP0583	<0.5	383	11	327	24	<100
SP0584	<0.5	372	12	131	25	<100
SP0585	<0.5	229	15	266	20	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Number of Samples 387

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0586	<0.5	272	19	188	21	<100
SP0587	<0.5	263	19	240	45	<100
SP0588	<0.5	271	38	193	75	<100
SP0589	<0.5	249	10	244	54	<100
SP0590	<0.5	620	42	124	23	<100
SP0591	<0.5	378	21	344	134	<100
SP0592	<0.5	361	22	194	43	<100
SP0593	<0.5	132	26	152	48	<100
SP0594	0.7	224	66	230	101	<100
SP0595	<0.5	319	8	163	21	<100
SP0596	<0.5	415	35	47	19	<100
SP0597	<0.5	127	40	154	42	<100
SP0598	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R
SP0599	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R
SP0600	<0.5	307	6	153	19	<100
SP0601	<0.5	328	6	304	141	<100
SP0602	<0.5	186	13	155	57	<100
SP0603	<0.5	124	8	362	48	<100
SP0604	<0.5	181	12	294	74	<100
SP0605	<0.5	146	13	200	37	<100
SP0606	<0.5	122	11	278	38	<100
SP0607	<0.5	647	44	58	23	<100
SP0608	<0.5	194	27	82	20	<100
SP0609	<0.5	474	9	23	17	<100
SP0610	<0.5	111	14	163	36	<100
SP0611	<0.5	531	8	13	7	<100
SP0612	<0.5	294	28	104	16	<100
SP0613	<0.5	193	10	236	51	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Number of Samples 387

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0614	<0.5	149	7	338	31	<100
SP0615	<0.5	676	11	22	38	<100
SP0616	<0.5	119	7	184	25	<100
SP0617	<0.5	311	39	94	44	<100
SP0618	0.6	130	108	112	136	<100
SP0619	0.6	124	110	212	120	<100
SP0620	0.5	87	41	200	66	<100
SP0621	<0.5	132	22	208	36	<100
SP0622	<0.5	150	22	256	90	<100
SP0623	<0.5	199	19	158	17	<100
SP0624	<0.5	188	20	134	26	<100
SP0625	<0.5	236	39	153	39	<100
SP0626	<0.5	160	17	94	122	<100
SP0627	<0.5	334	52	105	34	<100
SP0628	<0.5	145	6	192	23	<100
SP0629	<0.5	275	29	245	96	<100
SP0630	<0.5	124	18	154	56	<100
SP0631	<0.5	516	4	<2	15	<100
SP0632	<0.5	288	11	172	16	<100
SP0633	<0.5	335	18	122	16	<100
SP0634	<0.5	212	25	261	78	<100
SP0635	0.6	117	42	131	64	<100
SP0636	<0.5	146	48	171	57	<100
SP0637	<0.5	206	22	108	64	<100
SP0638	<0.5	241	27	222	29	<100
SP0639	<0.5	160	10	251	64	<100
SP0640	<0.5	160	10	226	32	<100
SP0641	0.6	114	23	231	69	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0642	<0.5	265	13	163	43	<100
SP0643	<0.5	244	27	160	33	<100
SP0644	<0.5	88	12	252	102	<100
SP0645	<0.5	165	89	218	26	<100
SP0646	<0.5	147	14	132	25	<100
SP0647	<0.5	168	17	175	30	<100
SP0648	<0.5	478	5	28	11	<100
SP0649	<0.5	151	22	159	21	<100
SP0650	<0.5	99	18	194	28	<100
SP0651	<0.5	190	13	271	64	<100
*Rep SP0281	<0.5	728	6	80	23	<100
*Blk BLANK	<0.5	<2	<1	<2	<1	<100
*Rep SP0305	<0.5	147	17	149	35	<100
*Std AMIS0169	<0.5	31	1	646	66	<100
*Rep SP0316	<0.5	549	10	119	22	<100
*Rep SP0333	<0.5	211	7	300	35	<100
*Std AMIS0169	<0.5	34	1	602	62	<100
*Rep SP0345	<0.5	246	7	118	18	<100
*Blk BLANK	<0.5	<2	<1	<2	<1	<100
*Rep SP0373	<0.5	273	26	44	7	<100
*Rep SP0381	<0.5	576	9	248	113	<100
*Rep SP0410	<0.5	158	5	192	35	<100
*Std AMIS0169	<0.5	28	<1	557	57	<100
*Rep SP0422	<0.5	227	11	130	12	<100
*Blk BLANK	<0.5	<2	<1	<2	<1	<100
*Rep SP0589	<0.5	234	11	244	55	<100
*Blk BLANK	<0.5	<2	<1	<2	<1	<100
*Rep SP0594	0.7	224	67	224	100	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
*Std AMIS0169	<0.5	22	1	605	65	<100
*Rep SP0619	0.7	105	113	215	115	<100
*Blk BLANK	<0.5	<2	<1	<2	<1	<100
*Rep SP0535	<0.5	488	5	268	89	<100
*Rep SP0545	<0.5	558	14	152	26	<100
*Rep SP0562	<0.5	194	22	136	46	<100
*Std AMIS0169	<0.5	22	1	497	64	<100
*Blk BLANK	<0.5	<2	<1	<2	<1	<100
*Std AMIS0169	<0.5	23	1	593	66	<100
*Rep SP0626	<0.5	146	18	99	125	<100
*Blk BLANK	<0.5	<2	<1	<2	<1	<100
*Rep SP0648	<0.5	477	4	26	10	<100
*Std AMIS0169	<0.5	24	1	594	59	<100
*Blk BLANK	<0.5	<2	<1	<2	<1	<100
*Rep SP0440	<0.5	119	49	74	13	<100
*Std AMIS0169	<0.5	37	2	675	74	<100
*Rep SP0458	<0.5	127	21	89	23	<100
*Rep SP0461	<0.5	389	52	66	68	<100
*Rep SP0479	<0.5	330	8	167	11	<100
*Std AMIS0169	<0.5	21	1	488	51	<100
*Rep SP0500	<0.5	273	12	87	12	<100
*Rep SP0511	<0.5	174	7	283	29	<100
*Blk BLANK	<0.5	<2	<1	<2	<1	<100

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
SP0265	6.5	820	14.2	8.0	3.9	29
SP0266	3.8	740	10.0	4.9	2.8	22
SP0267	4.4	1070	38.2	19.1	11.3	72
SP0268	3.7	1040	34.2	17.2	10.3	47
SP0269	2.7	710	15.8	7.8	4.9	31
SP0270	3.6	580	24.7	15.2	4.6	55
SP0271	3.5	550	16.9	10.8	3.6	54
SP0272	3.7	770	25.5	12.3	7.0	49
SP0273	2.1	1060	51.4	25.1	13.4	75
SP0274	3.2	830	15.2	8.2	4.2	31
SP0275	4.9	840	19.3	10.2	5.6	23
SP0276	1.9	470	6.3	3.5	2.3	51
SP0277	2.2	330	12.8	6.9	4.3	45
SP0278	0.9	450	17.8	8.5	5.8	41
SP0279	2.7	240	16.1	8.7	5.0	40
SP0280	0.7	810	42.5	21.6	12.0	24
SP0281	0.5	460	13.3	6.4	4.2	24
SP0282	0.9	150	9.0	4.4	2.7	45
SP0283	1.4	370	19.9	9.4	6.5	40
SP0284	1.4	210	6.8	3.5	2.4	28
SP0285	2.4	580	11.1	5.6	3.7	61
SP0286	3.6	840	34.2	18.9	9.1	47
SP0287	4.3	680	39.8	23.5	10.2	81
SP0288	2.9	510	31.0	16.0	8.5	112
SP0289	2.2	490	9.9	5.5	3.3	53
SP0290	1.5	1900	7.9	3.7	2.7	35
SP0291	4.3	430	3.3	1.9	0.8	14
SP0292	1.4	650	0.9	0.5	0.4	15

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
SP0293	0.4	4890	29.5	14.9	10.1	32
SP0294	1.5	500	20.8	9.1	6.9	51
SP0295	1.9	580	16.0	7.4	4.7	38
SP0296	1.8	490	21.2	10.9	7.2	54
SP0297	1.8	470	18.4	9.6	5.3	58
SP0298	1.4	550	9.1	4.7	3.3	49
SP0299	2.4	1030	17.5	9.9	5.2	44
SP0300	6.0	3260	76.6	52.4	17.8	22
SP0301	0.5	9650	31.6	17.4	10.7	14
SP0302	5.6	1270	44.4	23.3	13.8	40
SP0303	3.4	820	32.0	17.8	8.8	38
SP0304	7.7	1050	19.9	11.0	5.5	36
SP0305	3.7	410	36.7	21.5	8.6	40
SP0306	2.3	770	12.0	5.9	3.7	42
SP0307	1.8	480	44.9	21.1	15.1	44
SP0308	0.4	750	22.1	10.6	7.1	24
SP0309	0.6	940	22.7	10.1	7.2	29
SP0310	0.5	630	23.4	9.9	8.2	28
SP0311	0.4	1000	55.4	30.2	14.8	19
SP0312	5.7	380	17.0	8.5	4.4	23
SP0313	0.5	690	79.9	36.7	20.4	21
SP0314	3.5	450	26.1	13.2	8.5	44
SP0315	1.9	820	29.6	13.3	10.6	36
SP0316	1.7	1010	24.0	12.5	6.9	38
SP0317	2.4	1200	38.9	18.5	12.5	88
SP0318	1.1	1520	35.7	20.3	10.8	33
SP0319	4.0	1230	114	59.3	32.0	18
SP0320	1.5	520	10.1	6.4	2.4	20

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
SP0321	0.3	1980	76.3	42.8	20.6	32
SP0322	1.4	3070	59.8	30.0	16.0	102
SP0323	1.0	550	7.4	3.5	2.9	28
SP0324	0.3	1390	40.0	19.5	14.3	20
SP0325	0.5	1080	22.5	9.7	7.9	25
SP0326	0.4	730	16.3	8.0	5.6	34
SP0327	0.8	890	11.8	5.9	4.3	42
SP0328	1.1	760	12.7	5.9	4.2	30
SP0329	0.7	1110	17.0	8.0	5.9	37
SP0330	1.4	1740	17.6	8.6	5.0	37
SP0331	3.0	1070	13.1	6.4	4.6	20
SP0332	2.3	780	43.2	22.3	11.5	57
SP0333	4.0	980	41.4	21.4	11.6	49
SP0334	1.3	560	33.8	17.2	12.4	44
SP0335	0.3	1370	32.4	14.7	10.3	38
SP0336	0.7	1320	81.1	40.6	22.0	48
SP0337	1.8	5690	14.9	8.5	3.9	9
SP0338	0.3	1290	76.5	35.5	20.7	43
SP0339	0.3	1650	47.1	24.7	11.0	15
SP0340	0.3	1250	74.7	33.6	26.6	18
SP0341	0.4	300	14.9	6.5	4.7	29
SP0342	1.9	340	17.3	7.9	5.5	37
SP0343	1.2	320	21.7	12.7	5.2	78
SP0344	1.0	590	34.6	18.2	8.7	46
SP0345	1.7	330	12.9	6.5	3.8	49
SP0346	0.3	670	8.3	3.8	2.7	39
SP0347	0.7	460	53.9	26.4	15.5	45
SP0348	1.5	760	18.9	9.1	5.7	34

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
SP0349	0.6	380	7.9	4.4	2.4	27
SP0350	1.5	500	21.9	11.9	5.2	44
SP0351	1.1	350	20.2	10.5	5.0	57
SP0352	3.7	340	15.5	8.5	4.0	48
SP0353	0.7	700	3.4	1.9	1.1	13
SP0354	1.6	640	22.4	11.2	6.4	32
SP0355	5.7	420	26.8	15.1	5.7	32
SP0356	0.4	770	43.8	19.7	11.9	30
SP0357	0.9	600	8.8	4.1	2.8	27
SP0358	0.6	330	90.9	49.7	23.1	70
SP0359	1.8	410	18.1	10.0	4.2	39
SP0360	1.5	670	18.5	9.1	5.8	46
SP0361	1.0	580	11.8	5.4	3.9	31
SP0362	0.8	710	8.9	4.6	2.8	32
SP0363	0.9	760	30.9	14.1	8.5	40
SP0364	1.5	860	8.5	4.2	2.3	47
SP0365	1.9	430	10.8	5.6	2.9	30
SP0366	3.6	360	12.2	6.0	2.9	27
SP0367	0.9	240	11.4	5.8	3.0	40
SP0368	2.8	610	21.8	13.3	4.7	44
SP0369	2.2	1040	14.8	7.6	3.9	27
SP0370	2.2	1420	42.4	22.6	10.9	42
SP0371	2.0	650	17.6	9.1	4.3	31
SP0372	3.2	500	30.3	18.2	5.6	52
SP0373	3.6	450	13.5	7.9	3.0	29
SP0374	1.2	4360	16.0	9.5	3.8	17
SP0375	2.4	810	30.5	19.8	5.2	99
SP0376	0.3	1040	36.7	17.6	12.4	47

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
SP0377	1.4	280	30.4	15.6	9.1	74
SP0378	0.5	1210	41.5	23.2	15.0	39
SP0379	0.4	880	27.5	14.0	8.4	29
SP0380	<0.2	510	26.4	15.6	6.7	46
SP0381	0.3	1880	67.3	36.6	20.4	45
SP0382	1.1	620	19.4	9.3	6.3	48
SP0383	0.5	380	21.6	9.5	6.6	62
SP0384	0.7	1650	9.7	4.5	3.2	24
SP0385	0.6	280	5.7	2.7	2.6	34
SP0386	0.9	560	31.8	15.1	10.9	43
SP0387	1.9	340	7.9	3.5	3.0	31
SP0388	1.0	290	18.4	8.7	5.7	35
SP0389	0.4	280	6.4	2.9	2.3	48
SP0390	3.0	580	31.1	16.7	7.0	99
SP0391	1.2	940	17.3	8.0	5.0	48
SP0392	3.0	760	28.0	15.0	7.5	45
SP0393	<0.2	3930	1.3	1.0	0.4	134
SP0394	0.9	650	16.0	8.1	5.0	44
SP0395	2.7	1160	29.8	15.2	7.6	46
SP0396	0.5	860	5.8	3.4	1.4	54
SP0397	3.8	1770	34.8	19.0	9.8	50
SP0398	2.1	920	26.0	13.3	6.9	80
SP0399	3.0	700	27.9	13.6	8.0	55
SP0400	2.4	420	15.4	7.1	4.5	35
SP0401	2.1	430	22.8	12.6	6.1	50
SP0402	2.5	670	38.1	19.5	10.6	63
SP0403	1.3	520	12.5	6.1	4.0	30
SP0404	1.2	450	15.1	7.7	4.9	51

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
SP0405	4.7	590	11.7	6.2	3.1	30
SP0406	5.0	720	25.1	15.1	5.9	57
SP0407	3.9	620	32.9	15.9	9.7	42
SP0408	2.9	350	23.5	12.0	6.7	92
SP0409	3.5	590	36.9	19.9	9.8	44
SP0410	3.3	650	19.4	9.9	6.2	40
SP0411	2.1	450	21.7	11.1	5.9	55
SP0412	1.9	430	8.1	4.2	2.4	47
SP0413	4.0	410	24.2	13.4	5.3	55
SP0414	2.5	530	17.3	9.1	4.5	44
SP0415	2.5	580	19.9	11.3	9.5	30
SP0416	2.3	410	10.7	5.4	3.2	58
SP0417	0.3	740	7.9	3.9	2.8	27
SP0418	0.8	660	8.9	4.4	3.2	38
SP0419	0.5	520	11.4	5.4	4.3	44
SP0420	2.6	650	14.3	7.5	4.5	44
SP0421	0.7	670	8.0	3.5	2.6	37
SP0422	3.5	490	15.6	8.1	4.7	47
SP0423	1.0	440	19.6	8.8	6.6	49
SP0424	1.1	610	10.0	4.4	3.1	38
SP0425	0.3	1230	15.3	7.9	4.4	27
SP0426	2.2	780	37.8	22.9	7.1	70
SP0427	1.4	630	16.6	9.2	4.2	45
SP0428	2.5	520	15.4	8.7	3.8	59
SP0429	2.7	760	22.8	11.7	5.5	76
SP0430	0.4	1080	22.2	11.3	5.5	58
SP0431	0.8	1290	13.7	7.3	3.5	17
SP0432	2.1	490	16.7	9.5	3.6	75

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
SP0433	2.0	300	9.5	5.6	2.2	50
SP0434	3.8	1000	58.0	36.6	11.4	41
SP0435	2.1	520	5.1	2.6	1.2	15
SP0436	2.5	670	22.8	12.7	4.6	42
SP0437	2.4	970	28.8	16.1	6.1	67
SP0438	1.5	740	25.0	13.2	5.3	71
SP0439	0.6	690	13.5	7.3	3.6	35
SP0440	3.3	690	26.0	16.4	4.4	34
SP0441	3.0	760	26.2	14.9	5.9	31
SP0442	1.4	750	17.3	8.8	4.7	41
SP0443	0.3	1060	46.1	22.7	14.0	43
SP0444	1.6	660	11.4	5.7	3.6	36
SP0445	<0.2	1400	49.0	25.6	14.4	30
SP0446	3.0	740	23.3	13.0	5.9	38
SP0447	0.5	1230	45.5	23.2	12.2	14
SP0448	1.2	290	32.8	13.5	10.3	23
SP0449	0.7	570	11.3	5.8	2.7	10
SP0450	0.9	430	35.3	18.1	10.3	33
SP0451	1.7	370	15.9	7.9	4.5	37
SP0452	3.9	140	16.7	10.4	2.9	45
SP0453	2.7	550	16.8	9.7	3.6	45
SP0454	2.5	890	61.3	31.9	11.9	54
SP0455	1.7	490	19.0	11.6	3.7	54
SP0456	0.4	380	7.9	6.4	1.2	8
SP0457	3.8	910	24.0	12.8	6.2	47
SP0458	3.2	880	33.7	20.1	5.9	51
SP0459	2.6	800	29.3	16.7	5.5	69
SP0460	3.9	940	24.1	13.1	4.9	47

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
SP0461	1.8	1230	26.8	21.8	3.8	115
SP0462	2.5	1130	31.9	16.3	6.9	48
SP0463	3.6	690	70.1	43.4	10.7	46
SP0464	1.5	720	28.6	17.3	6.8	60
SP0465	1.9	470	20.0	11.1	4.9	46
SP0466	2.4	690	27.5	14.7	6.2	70
SP0467	3.0	1050	23.6	12.3	6.3	87
SP0468	0.8	3580	36.3	18.9	11.3	22
SP0469	0.3	4280	4.0	3.1	1.0	9
SP0470	0.3	1480	23.5	12.2	6.3	18
SP0471	5.4	320	10.6	6.9	2.4	75
SP0472	5.6	1320	38.6	22.9	8.0	58
SP0473	2.6	470	14.6	8.5	3.8	45
SP0474	2.1	410	17.9	9.1	5.2	158
SP0475	3.3	810	14.9	8.2	4.1	40
SP0476	2.2	480	10.4	5.0	3.3	48
SP0477	3.0	710	45.0	27.8	9.1	75
SP0478	0.9	16000	15.2	9.0	3.8	9
SP0479	2.0	1930	51.4	29.0	15.6	34
SP0480	80.0	1440	10.5	5.2	4.1	16
SP0481	0.6	870	61.6	29.6	21.4	52
SP0482	1.6	450	27.3	11.4	9.9	12
SP0483	0.7	640	13.9	6.0	4.9	14
SP0484	2.0	250	12.1	5.1	3.9	9
SP0485	1.7	260	9.8	4.3	3.5	13
SP0486	0.3	270	15.1	6.8	5.1	38
SP0487	1.1	440	29.9	14.1	9.0	24
SP0488	1.5	590	16.7	8.6	5.7	32

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
SP0489	3.7	160	19.5	9.8	5.6	16
SP0490	2.0	180	31.9	15.9	9.6	31
SP0491	0.3	210	29.0	12.6	8.5	10
SP0492	16.9	220	7.1	4.3	1.7	53
SP0493	11.6	200	13.3	6.5	3.5	22
SP0494	2.2	90	7.8	4.2	2.1	25
SP0495	7.6	150	8.1	4.4	2.7	36
SP0496	2.0	350	24.5	11.0	8.6	16
SP0497	<0.2	780	9.1	5.4	1.9	8
SP0498	2.3	740	25.8	12.8	6.6	8
SP0499	1.2	350	15.4	7.7	4.8	29
SP0500	2.9	630	8.3	4.1	2.5	51
SP0501	2.3	1680	41.1	22.2	12.3	80
SP0502	2.0	1100	18.7	8.6	5.3	60
SP0503	2.0	680	21.0	11.1	5.9	82
SP0504	0.3	4790	2.5	1.6	0.6	9
SP0505	1.9	1020	37.1	19.1	10.8	53
SP0506	0.3	1330	7.2	3.4	2.5	8
SP0507	1.1	1200	50.2	27.2	14.9	34
SP0508	2.0	440	17.7	12.6	3.3	94
SP0509	4.6	820	19.4	9.5	5.9	30
SP0510	2.7	2740	12.1	6.3	3.8	26
SP0511	4.1	3250	30.9	15.3	9.5	36
SP0512	0.4	650	32.2	17.8	9.2	52
SP0513	2.3	3000	43.4	21.5	14.8	27
SP0514	2.4	13800	3.7	2.3	1.2	18
SP0515	<0.2	3510	3.1	1.8	1.1	16
SP0516	2.6	800	21.3	10.1	7.0	86

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
SP0517	2.1	330	23.4	10.0	7.2	25
SP0518	1.3	680	21.5	10.9	6.6	28
SP0519	1.0	13100	84.9	45.9	28.9	34
SP0520	<0.2	2090	1.0	0.7	0.2	5
SP0521	0.5	840	39.2	19.5	13.7	26
SP0522	<0.2	2050	49.3	24.9	16.4	20
SP0523	<0.2	2280	99.2	54.4	26.5	28
SP0524	0.4	510	25.9	12.5	8.8	12
SP0525	1.2	2840	11.2	5.9	3.3	10
SP0526	2.4	470	38.6	19.7	12.2	28
SP0527	1.0	730	62.7	29.7	20.4	23
SP0528	1.5	370	18.0	8.3	4.7	29
SP0529	1.3	620	41.3	22.0	11.6	33
SP0530	1.4	790	54.0	27.8	14.7	15
SP0531	1.8	520	20.4	10.0	6.0	27
SP0532	1.6	470	76.5	37.9	20.5	35
SP0533	1.0	870	28.8	13.1	8.1	10
SP0534	0.8	500	55.3	26.8	16.5	32
SP0535	<0.2	420	26.8	14.0	7.8	67
SP0536	0.8	350	11.8	6.2	3.7	18
SP0537	2.8	370	12.0	5.7	3.5	20
SP0538	2.2	660	26.2	12.9	8.3	63
SP0539	3.0	500	9.4	4.8	3.2	19
SP0540	1.4	400	14.4	6.6	5.2	22
SP0541	2.0	380	14.5	7.0	4.8	28
SP0542	3.7	530	26.8	16.0	7.3	59
SP0543	4.0	420	30.4	17.1	7.2	64
SP0544	1.9	1310	19.1	11.4	5.3	26

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
SP0545	0.3	1730	105	61.1	29.2	28
SP0546	0.3	3130	11.5	8.0	2.0	13
SP0547	2.8	1010	29.3	15.4	8.6	34
SP0548	1.0	1290	26.8	14.2	8.7	28
SP0549	2.7	740	23.8	12.7	7.1	91
SP0550	3.0	510	22.7	11.4	6.4	60
SP0551	0.6	4170	4.5	3.0	1.5	12
SP0552	1.9	3070	1.7	1.1	0.4	12
SP0553	2.0	650	28.5	15.0	7.9	151
SP0554	1.2	800	21.6	11.1	7.3	18
SP0555	2.4	380	11.0	5.7	3.8	22
SP0556	0.5	11900	3.3	2.6	0.4	7
SP0557	2.1	330	13.8	8.0	3.5	98
SP0558	0.2	3790	0.6	0.5	0.3	31
SP0559	0.6	2000	6.3	2.9	2.2	11
SP0560	2.6	1280	19.6	10.6	5.9	74
SP0561	4.7	750	17.8	10.2	4.6	91
SP0562	3.5	1460	21.7	11.6	6.5	57
SP0563	5.9	2300	12.5	6.8	3.7	27
SP0564	2.7	1890	17.2	9.1	5.0	18
SP0565	2.4	1120	24.2	13.4	5.6	165
SP0566	2.0	1590	27.5	15.0	7.6	150
SP0567	2.2	3440	14.8	7.3	4.7	65
SP0568	2.3	1200	21.0	10.7	6.0	84
SP0569	2.6	1260	39.2	22.2	9.2	95
SP0570	0.3	14100	9.7	5.3	3.7	19
SP0571	<0.2	100	3.8	3.1	0.8	23
SP0572	3.4	1510	38.0	17.6	10.5	95

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
SP0573	4.1	1430	57.5	33.9	12.7	116
SP0574	5.4	1000	23.1	12.6	6.2	29
SP0575	3.0	790	24.6	14.0	5.9	95
SP0576	3.4	940	27.7	15.4	7.1	83
SP0577	3.4	610	36.9	20.5	9.1	119
SP0578	5.9	1330	42.8	25.8	8.5	178
SP0579	3.4	1540	22.4	10.8	6.4	52
SP0580	0.8	1850	15.5	7.3	4.9	32
SP0581	4.6	2560	26.1	12.0	6.8	23
SP0582	1.7	960	20.4	9.8	7.0	37
SP0583	1.5	880	40.9	18.0	12.7	62
SP0584	1.6	720	12.0	5.7	3.9	80
SP0585	6.5	1330	86.8	49.3	26.7	30
SP0586	2.8	740	28.6	14.2	8.2	60
SP0587	1.9	840	25.0	11.9	8.6	73
SP0588	3.2	570	18.4	9.9	4.7	122
SP0589	2.8	1590	36.0	17.9	9.6	74
SP0590	1.9	1390	42.9	25.9	12.5	48
SP0591	1.7	1980	46.4	24.2	12.5	133
SP0592	2.0	920	46.9	26.0	11.7	79
SP0593	4.2	1430	46.1	26.3	10.8	45
SP0594	2.7	3010	34.4	17.2	11.0	124
SP0595	3.4	330	27.1	16.0	7.4	26
SP0596	2.7	1930	5.3	2.9	1.7	12
SP0597	2.6	2040	37.1	21.3	9.1	49
SP0598	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R
SP0599	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R
SP0600	4.1	190	14.9	6.8	4.7	49

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
SP0601	0.7	870	28.1	15.0	8.4	136
SP0602	2.5	1060	74.1	47.9	14.9	119
SP0603	4.4	770	51.2	27.2	14.4	58
SP0604	3.4	1000	37.0	17.6	9.5	86
SP0605	4.0	530	22.7	11.3	7.5	73
SP0606	3.4	780	40.8	22.4	11.9	61
SP0607	1.1	2140	5.8	3.1	2.3	25
SP0608	4.3	720	13.5	8.0	3.3	56
SP0609	2.6	2810	6.1	3.1	2.4	15
SP0610	3.3	1010	37.2	22.5	7.9	81
SP0611	1.3	3980	9.1	4.7	3.3	12
SP0612	3.1	670	14.5	7.7	3.9	56
SP0613	3.3	630	31.0	16.6	8.3	92
SP0614	3.3	1000	34.4	16.7	10.4	70
SP0615	20.7	1950	5.0	2.6	1.8	16
SP0616	4.8	690	15.5	7.8	4.7	49
SP0617	3.0	2120	22.2	12.0	6.0	45
SP0618	2.8	2890	27.2	16.0	5.6	124
SP0619	3.6	3400	32.8	18.2	8.0	135
SP0620	3.2	1230	31.3	17.5	7.1	108
SP0621	3.6	840	46.6	25.1	10.5	71
SP0622	2.8	1540	42.1	22.8	10.2	98
SP0623	3.0	1190	34.0	17.7	9.9	38
SP0624	3.9	950	20.9	10.6	6.2	41
SP0625	3.2	550	20.3	11.1	5.4	81
SP0626	2.4	610	12.4	6.9	3.1	70
SP0627	1.1	290	11.5	6.0	3.1	68
SP0628	1.9	380	22.3	11.3	6.4	63

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
SP0629	1.2	940	27.5	15.3	7.5	103
SP0630	2.9	690	17.2	9.3	4.3	131
SP0631	0.8	3000	4.1	2.2	0.9	9
SP0632	2.4	890	21.8	11.2	6.4	43
SP0633	2.0	850	35.0	20.1	9.4	43
SP0634	2.2	1220	31.0	15.9	9.1	107
SP0635	2.4	960	20.0	12.1	5.3	138
SP0636	2.8	1280	39.9	22.2	8.6	86
SP0637	1.8	700	15.4	8.6	4.0	104
SP0638	2.0	680	25.6	12.6	7.4	61
SP0639	2.4	860	24.3	12.5	6.8	101
SP0640	2.5	1220	46.0	25.9	12.1	72
SP0641	3.5	450	23.2	12.5	6.0	133
SP0642	1.2	730	14.6	7.6	4.4	80
SP0643	3.0	550	22.5	12.1	5.6	67
SP0644	2.0	990	31.9	17.0	7.7	101
SP0645	3.6	830	27.8	15.4	7.5	70
SP0646	3.7	910	27.0	14.8	7.1	39
SP0647	3.0	720	28.0	15.2	7.1	54
SP0648	0.5	5540	20.4	10.3	6.6	18
SP0649	2.3	1640	38.4	22.9	10.2	54
SP0650	3.6	930	43.2	25.5	10.6	54
SP0651	2.0	1120	34.8	19.3	8.5	109
*Rep SP0281	0.5	450	10.3	4.7	3.4	22
*Blk BLANK	<0.2	<10	<0.5	<0.2	<0.2	<1
*Rep SP0305	4.2	430	37.6	23.8	8.2	48
*Std AMIS0169	7.4	3150	22.3	9.6	9.3	28
*Rep SP0316	1.6	970	23.8	13.0	7.0	37

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
*Rep SP0333	4.1	1030	35.2	17.9	10.6	46
*Std AMIS0169	6.8	2790	22.5	9.5	8.9	28
*Rep SP0345	1.8	300	15.3	8.0	4.1	53
*Blk BLANK	<0.2	<10	<0.5	<0.2	<0.2	<1
*Rep SP0373	3.5	460	14.4	8.2	3.1	31
*Rep SP0381	0.2	1700	65.4	35.2	19.5	42
*Rep SP0410	3.5	650	21.0	10.5	6.3	40
*Std AMIS0169	6.7	2630	21.0	9.0	8.3	26
*Rep SP0422	3.2	450	15.2	7.3	4.3	44
*Blk BLANK	<0.2	<10	<0.5	<0.2	<0.2	<1
*Rep SP0589	3.0	1620	35.3	17.9	9.8	75
*Blk BLANK	<0.2	<10	<0.5	<0.2	<0.2	<1
*Rep SP0594	2.8	3100	34.4	17.7	10.3	129
*Std AMIS0169	6.8	2780	21.6	9.7	8.9	22
*Rep SP0619	3.5	3180	30.9	17.1	8.1	133
*Blk BLANK	<0.2	<10	<0.5	<0.2	<0.2	<1
*Rep SP0535	<0.2	440	21.7	11.1	6.8	63
*Rep SP0545	0.2	1640	82.2	46.3	23.6	27
*Rep SP0562	3.5	1520	22.8	12.0	6.8	59
*Std AMIS0169	6.1	2870	19.0	8.3	8.1	22
*Blk BLANK	<0.2	<10	<0.5	<0.2	<0.2	<1
*Std AMIS0169	6.6	2680	20.7	9.0	8.8	25
*Rep SP0626	2.4	630	13.2	7.6	3.4	73
*Blk BLANK	<0.2	<10	<0.5	<0.2	<0.2	<1
*Rep SP0648	0.6	5650	19.1	9.6	6.3	18
*Std AMIS0169	6.2	2600	20.0	9.0	8.6	27
*Blk BLANK	<0.2	<10	<0.5	<0.2	<0.2	<1
*Rep SP0440	3.3	750	25.4	16.2	4.3	35

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
*Std AMIS0169	7.3	3480	24.2	11.0	9.8	32
*Rep SP0458	3.2	820	32.0	18.9	5.5	52
*Rep SP0461	1.6	1160	30.9	21.7	4.9	95
*Rep SP0479	2.0	1990	47.9	25.8	15.8	33
*Std AMIS0169	6.2	2580	16.3	7.6	7.2	19
*Rep SP0500	2.9	580	8.2	3.9	2.4	52
*Rep SP0511	4.1	3290	33.3	15.7	10.1	45
*Blk BLANK	<0.2	<10	<0.5	<0.2	<0.2	<1

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0265	8.7	17.4	<1	<0.1	39.5	34
SP0266	4.9	12.5	<1	<0.1	73.1	28
SP0267	20.7	47.4	<1	0.2	34.4	120
SP0268	10.9	43.0	<1	<0.1	32.3	101
SP0269	4.4	20.2	<1	<0.1	50.0	53
SP0270	4.8	21.3	<1	<0.1	61.5	28
SP0271	5.3	16.6	<1	<0.1	71.9	31
SP0272	7.6	29.4	<1	0.1	32.5	38
SP0273	14.8	57.5	<1	0.2	21.2	131
SP0274	5.9	18.6	<1	<0.1	106	34
SP0275	5.7	24.0	<1	<0.1	21.4	46
SP0276	3.8	8.1	<1	<0.1	56.1	23
SP0277	5.2	16.0	<1	<0.1	32.3	28

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0278	2.2	20.3	<1	<0.1	54.1	60
SP0279	2.9	19.7	<1	<0.1	74.3	46
SP0280	1.4	56.5	<1	<0.1	29.6	82
SP0281	1.1	17.2	<1	<0.1	83.8	39
SP0282	1.5	9.4	<1	<0.1	39.3	28
SP0283	2.5	23.8	<1	<0.1	31.7	62
SP0284	3.3	8.6	<1	<0.1	63.3	15
SP0285	4.4	15.1	<1	<0.1	93.2	40
SP0286	8.3	38.5	<1	0.1	56.5	81
SP0287	19.1	42.2	<1	0.2	29.1	84
SP0288	10.2	33.6	<1	0.2	66.0	84
SP0289	4.7	12.1	<1	<0.1	64.1	38
SP0290	3.5	10.1	<1	<0.1	13.8	20
SP0291	2.4	3.2	<1	<0.1	115	6
SP0292	1.8	1.3	<1	<0.1	146	1
SP0293	1.3	39.5	<1	<0.1	161	46
SP0294	5.0	27.3	<1	<0.1	101	79
SP0295	3.7	18.8	<1	<0.1	64.7	43
SP0296	4.8	28.3	<1	<0.1	88.0	69
SP0297	6.2	20.6	<1	<0.1	45.3	50
SP0298	5.1	11.9	<1	<0.1	44.2	35
SP0299	3.8	21.4	<1	<0.1	118	44
SP0300	2.2	82.6	<1	<0.1	112	86
SP0301	0.8	47.8	<1	<0.1	17.8	29
SP0302	8.9	57.2	<1	<0.1	26.4	136
SP0303	8.6	38.5	<1	<0.1	49.3	82
SP0304	6.4	23.8	<1	<0.1	87.2	55
SP0305	13.6	36.8	<1	0.1	41.5	65

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0306	4.1	14.7	<1	<0.1	49.4	35
SP0307	4.9	63.6	<1	<0.1	52.5	96
SP0308	0.8	29.3	<1	<0.1	40.9	49
SP0309	1.7	30.0	<1	<0.1	45.1	67
SP0310	1.9	30.2	<1	<0.1	32.4	84
SP0311	1.2	64.4	<1	<0.1	13.1	65
SP0312	4.4	22.8	<1	<0.1	97.3	37
SP0313	2.8	108	<1	<0.1	28.7	140
SP0314	4.0	34.0	<1	<0.1	112	74
SP0315	3.6	39.6	<1	<0.1	37.5	94
SP0316	2.7	29.5	<1	<0.1	52.7	57
SP0317	6.6	48.2	<1	0.1	130	110
SP0318	3.6	43.5	<1	<0.1	36.3	69
SP0319	9.4	138	<1	<0.1	16.6	248
SP0320	2.9	10.9	<1	<0.1	25.9	16
SP0321	2.2	89.2	<1	<0.1	18.9	109
SP0322	7.8	65.2	<1	<0.1	23.3	172
SP0323	1.1	9.2	<1	<0.1	63.3	17
SP0324	0.9	60.9	<1	<0.1	70.8	47
SP0325	1.3	29.0	<1	<0.1	58.1	54
SP0326	1.6	21.2	<1	<0.1	80.9	35
SP0327	1.9	15.2	<1	<0.1	45.1	42
SP0328	2.5	16.0	<1	<0.1	42.7	34
SP0329	2.6	20.3	<1	<0.1	34.5	56
SP0330	3.0	20.8	<1	<0.1	97.1	59
SP0331	3.2	17.8	<1	<0.1	86.9	41
SP0332	6.1	48.2	<1	<0.1	66.6	111
SP0333	7.7	47.4	<1	<0.1	53.0	109

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0334	3.7	45.7	<1	<0.1	44.7	88
SP0335	2.1	40.8	<1	<0.1	51.7	67
SP0336	5.1	90.2	<1	<0.1	47.4	208
SP0337	0.8	18.4	<1	<0.1	22.7	13
SP0338	4.1	89.3	<1	<0.1	41.4	253
SP0339	1.1	52.9	<1	<0.1	30.1	39
SP0340	0.9	102	<1	<0.1	36.8	33
SP0341	1.6	19.1	<1	<0.1	97.1	31
SP0342	4.1	21.9	<1	<0.1	65.5	48
SP0343	11.6	20.2	<1	0.2	60.9	41
SP0344	3.1	38.0	<1	<0.1	87.5	68
SP0345	4.2	14.3	<1	<0.1	28.3	33
SP0346	1.8	9.4	<1	<0.1	57.7	32
SP0347	4.2	64.0	<1	<0.1	54.8	88
SP0348	3.1	22.2	<1	<0.1	51.7	47
SP0349	2.1	8.9	<1	<0.1	56.1	19
SP0350	2.9	21.1	<1	<0.1	29.1	37
SP0351	3.7	19.7	<1	<0.1	68.3	50
SP0352	5.7	16.3	<1	<0.1	88.8	40
SP0353	1.8	4.4	<1	<0.1	140	7
SP0354	3.9	24.8	<1	<0.1	22.3	50
SP0355	7.9	26.0	<1	<0.1	58.3	55
SP0356	2.8	51.0	<1	<0.1	26.5	110
SP0357	1.8	11.4	<1	<0.1	57.7	24
SP0358	3.7	92.7	<1	<0.1	114	129
SP0359	3.0	19.1	<1	<0.1	66.0	29
SP0360	3.4	23.0	<1	<0.1	57.9	54
SP0361	2.8	14.8	<1	<0.1	88.8	31

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0362	1.7	11.8	<1	<0.1	107	25
SP0363	4.9	34.6	<1	<0.1	117	93
SP0364	3.5	9.1	<1	<0.1	48.1	25
SP0365	2.6	12.5	<1	<0.1	92.0	26
SP0366	3.3	12.2	<1	<0.1	110	27
SP0367	3.0	13.1	<1	<0.1	42.1	33
SP0368	7.2	21.5	<1	<0.1	41.9	38
SP0369	3.2	16.5	<1	<0.1	63.3	35
SP0370	5.0	47.7	<1	<0.1	63.6	82
SP0371	3.9	19.9	<1	<0.1	52.7	39
SP0372	9.8	25.9	<1	0.1	49.6	43
SP0373	4.1	14.2	<1	<0.1	61.6	23
SP0374	0.8	18.3	<1	<0.1	32.3	18
SP0375	19.7	23.2	<1	0.2	44.2	26
SP0376	2.1	47.4	<1	<0.1	38.2	93
SP0377	6.1	35.0	<1	0.1	81.0	90
SP0378	2.7	52.7	<1	<0.1	34.8	73
SP0379	1.8	35.4	<1	<0.1	111	48
SP0380	2.1	29.3	<1	<0.1	136	38
SP0381	2.4	85.5	<1	<0.1	36.8	88
SP0382	2.7	24.5	<1	<0.1	83.8	55
SP0383	2.5	27.1	<1	<0.1	55.1	50
SP0384	0.7	11.9	<1	<0.1	128	13
SP0385	1.0	7.9	<1	<0.1	113	27
SP0386	2.4	42.1	<1	<0.1	118	93
SP0387	3.3	10.5	<1	<0.1	102	35
SP0388	2.3	23.6	<1	<0.1	146	53
SP0389	1.4	7.5	<1	<0.1	56.4	26

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Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0390	5.6	31.6	<1	0.1	72.2	75
SP0391	4.4	19.0	<1	<0.1	59.1	72
SP0392	6.2	32.8	<1	<0.1	68.8	65
SP0393	3.0	1.4	<1	<0.1	1.5	3
SP0394	2.1	19.8	<1	<0.1	52.6	43
SP0395	4.2	29.9	<1	<0.1	76.5	66
SP0396	1.4	6.1	<1	<0.1	20.6	10
SP0397	8.8	43.8	<1	<0.1	39.3	100
SP0398	9.7	27.3	<1	0.1	41.6	80
SP0399	5.4	33.2	<1	<0.1	89.7	88
SP0400	5.0	18.4	<1	<0.1	29.6	55
SP0401	3.7	25.0	<1	<0.1	97.7	44
SP0402	7.4	42.1	<1	0.1	69.8	84
SP0403	4.1	15.4	<1	<0.1	77.3	32
SP0404	3.7	19.5	<1	<0.1	71.0	59
SP0405	6.0	12.7	<1	<0.1	93.2	35
SP0406	6.8	27.0	<1	<0.1	70.4	52
SP0407	8.3	39.1	<1	<0.1	59.1	106
SP0408	14.6	26.8	<1	0.2	41.3	86
SP0409	9.4	40.7	<1	<0.1	43.6	81
SP0410	8.5	24.5	<1	<0.1	15.6	64
SP0411	7.2	24.6	<1	<0.1	40.5	56
SP0412	4.6	10.1	<1	<0.1	94.2	30
SP0413	8.9	24.4	<1	0.1	84.0	46
SP0414	6.3	18.8	<1	<0.1	64.7	46
SP0415	2.5	25.0	<1	<0.1	119	45
SP0416	5.3	13.1	<1	<0.1	66.8	45
SP0417	0.7	9.1	<1	<0.1	94.7	13

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Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0418	1.8	11.8	<1	<0.1	44.0	36
SP0419	1.9	14.7	<1	<0.1	108	39
SP0420	6.9	19.0	<1	<0.1	106	45
SP0421	2.4	10.3	<1	<0.1	81.6	30
SP0422	6.7	18.9	<1	<0.1	68.1	53
SP0423	4.7	23.0	<1	<0.1	49.0	71
SP0424	3.6	13.2	<1	<0.1	65.4	42
SP0425	1.2	19.8	<1	<0.1	67.0	19
SP0426	8.8	31.1	<1	<0.1	40.4	39
SP0427	3.4	17.2	<1	<0.1	77.9	32
SP0428	4.9	16.1	<1	<0.1	52.0	32
SP0429	5.5	22.5	<1	<0.1	69.5	55
SP0430	2.6	23.5	<1	<0.1	53.9	59
SP0431	1.0	17.3	<1	<0.1	25.9	23
SP0432	8.4	14.6	<1	<0.1	37.8	34
SP0433	3.4	9.2	<1	<0.1	122	18
SP0434	11.5	56.7	<1	<0.1	24.4	72
SP0435	3.1	5.6	<1	<0.1	118	9
SP0436	6.6	22.5	<1	<0.1	95.1	41
SP0437	5.3	27.9	<1	<0.1	49.1	48
SP0438	6.5	24.5	<1	0.1	52.9	45
SP0439	1.6	14.8	<1	<0.1	60.1	17
SP0440	8.4	21.6	<1	<0.1	38.1	31
SP0441	5.2	28.7	<1	<0.1	37.0	51
SP0442	2.3	22.0	<1	<0.1	52.1	41
SP0443	2.1	57.4	<1	<0.1	28.1	91
SP0444	2.3	14.0	<1	<0.1	113	33
SP0445	2.1	63.1	<1	<0.1	173	66

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0446	4.7	27.7	<1	<0.1	162	46
SP0447	1.2	55.0	<1	<0.1	100	27
SP0448	2.5	42.4	<1	<0.1	191	103
SP0449	0.5	14.2	<1	<0.1	159	9
SP0450	2.6	42.1	<1	<0.1	72.3	97
SP0451	2.4	18.8	<1	<0.1	90.4	46
SP0452	5.6	16.2	<1	<0.1	188	21
SP0453	4.8	15.4	<1	<0.1	54.0	29
SP0454	12.4	53.7	<1	0.1	48.4	82
SP0455	3.9	16.9	<1	<0.1	74.6	27
SP0456	0.7	6.8	<1	<0.1	15.0	3
SP0457	8.0	25.9	<1	<0.1	47.1	59
SP0458	9.2	27.7	<1	<0.1	63.2	33
SP0459	8.8	26.0	<1	0.1	37.1	55
SP0460	8.1	21.8	<1	<0.1	32.8	38
SP0461	8.5	18.6	<1	0.2	62.8	23
SP0462	3.4	31.6	<1	<0.1	86.6	60
SP0463	12.2	55.4	<1	0.1	28.5	73
SP0464	5.2	27.0	<1	<0.1	22.4	51
SP0465	3.3	21.1	<1	<0.1	59.9	42
SP0466	8.1	28.1	<1	<0.1	86.4	60
SP0467	7.0	26.0	<1	<0.1	108	54
SP0468	1.6	47.1	<1	<0.1	25.6	56
SP0469	<0.5	3.4	2	<0.1	9.1	<1
SP0470	0.9	27.2	<1	<0.1	49.1	24
SP0471	18.6	10.2	<1	0.1	108	29
SP0472	15.3	37.9	<1	0.1	42.1	74
SP0473	6.2	16.2	<1	<0.1	27.4	35

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0474	16.6	19.0	<1	0.3	103	65
SP0475	6.8	16.1	<1	<0.1	50.3	33
SP0476	4.7	11.0	<1	<0.1	80.3	34
SP0477	8.9	39.4	<1	0.1	34.3	58
SP0478	0.5	17.7	<1	<0.1	19.6	2
SP0479	2.9	68.7	<1	<0.1	35.3	114
SP0480	0.6	14.5	1	<0.1	9.8	22
SP0481	2.7	84.9	<1	<0.1	31.7	142
SP0482	0.9	38.8	<1	<0.1	85.2	46
SP0483	0.8	18.6	<1	<0.1	128	28
SP0484	0.9	17.1	<1	<0.1	89.0	40
SP0485	0.8	15.4	<1	<0.1	187	31
SP0486	1.7	19.2	<1	<0.1	102	66
SP0487	2.0	38.6	<1	<0.1	33.1	93
SP0488	1.4	22.3	<1	<0.1	72.3	48
SP0489	1.0	22.4	<1	<0.1	51.4	35
SP0490	3.7	40.0	<1	<0.1	123	80
SP0491	0.9	40.6	<1	<0.1	93.3	63
SP0492	5.0	6.6	<1	<0.1	45.5	10
SP0493	2.6	15.8	<1	<0.1	105	30
SP0494	2.3	8.4	<1	<0.1	131	19
SP0495	7.0	9.7	<1	<0.1	144	26
SP0496	1.4	31.3	<1	<0.1	66.3	57
SP0497	<0.5	10.0	<1	<0.1	127	4
SP0498	0.5	32.2	<1	<0.1	110	22
SP0499	1.4	19.1	<1	<0.1	78.4	54
SP0500	4.7	8.9	<1	<0.1	84.9	26
SP0501	12.1	47.7	<1	0.1	51.3	104

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0502	4.7	20.6	<1	<0.1	56.8	71
SP0503	6.1	23.3	<1	0.1	49.9	52
SP0504	1.0	3.0	<1	<0.1	18.1	1
SP0505	3.6	43.6	<1	<0.1	27.0	89
SP0506	<0.5	9.9	<1	<0.1	33.2	9
SP0507	4.2	59.3	<1	<0.1	26.5	88
SP0508	11.5	13.8	<1	0.2	70.5	19
SP0509	11.2	23.3	<1	<0.1	39.3	66
SP0510	3.0	15.3	<1	<0.1	20.5	35
SP0511	7.4	37.2	<1	<0.1	31.8	98
SP0512	3.1	39.1	<1	<0.1	18.5	71
SP0513	3.5	61.6	<1	<0.1	42.8	93
SP0514	0.8	4.7	<1	<0.1	8.8	3
SP0515	5.3	4.1	<1	<0.1	1.9	3
SP0516	11.0	24.3	<1	0.1	34.3	83
SP0517	1.7	32.3	<1	<0.1	96.1	102
SP0518	1.9	28.7	<1	<0.1	94.4	70
SP0519	2.2	110	<1	<0.1	88.4	121
SP0520	<0.5	0.9	<1	<0.1	73.8	<1
SP0521	1.6	52.5	<1	<0.1	32.9	88
SP0522	0.9	68.4	<1	<0.1	76.3	56
SP0523	2.2	118	<1	<0.1	53.3	119
SP0524	1.0	37.5	<1	<0.1	156	35
SP0525	<0.5	12.4	<1	<0.1	75.3	5
SP0526	2.2	46.7	<1	<0.1	95.7	93
SP0527	1.9	87.6	<1	<0.1	133	130
SP0528	1.4	21.0	<1	<0.1	143	52
SP0529	2.7	48.6	<1	<0.1	52.1	111

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0530	1.3	69.6	<1	<0.1	97.8	79
SP0531	1.2	26.4	<1	<0.1	130	53
SP0532	3.2	92.2	<1	<0.1	68.7	187
SP0533	1.0	35.9	<1	<0.1	113	37
SP0534	2.6	70.6	<1	<0.1	63.2	153
SP0535	2.1	28.2	<1	<0.1	137	70
SP0536	0.9	14.4	<1	<0.1	136	34
SP0537	2.8	14.7	<1	<0.1	114	25
SP0538	3.2	32.6	<1	<0.1	115	96
SP0539	1.3	10.8	<1	<0.1	93.0	25
SP0540	1.2	17.0	<1	<0.1	65.6	38
SP0541	1.8	17.6	<1	<0.1	92.0	40
SP0542	14.3	31.5	<1	0.1	87.2	69
SP0543	12.9	33.2	<1	0.1	44.4	75
SP0544	2.3	21.2	<1	<0.1	48.6	25
SP0545	2.6	129	<1	<0.1	26.5	127
SP0546	0.6	10.7	<1	<0.1	29.9	1
SP0547	7.2	37.2	<1	<0.1	71.2	79
SP0548	3.1	35.6	<1	<0.1	36.0	54
SP0549	13.3	30.9	<1	0.1	64.0	72
SP0550	12.8	26.2	<1	<0.1	49.5	68
SP0551	<0.5	4.6	1	<0.1	10.3	2
SP0552	0.7	1.5	<1	<0.1	29.4	<1
SP0553	12.1	33.0	<1	0.1	63.8	89
SP0554	2.0	30.4	<1	<0.1	30.4	57
SP0555	5.1	15.2	<1	<0.1	58.6	45
SP0556	<0.5	2.5	<1	<0.1	15.2	<1
SP0557	9.1	14.0	<1	0.2	47.3	32

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0558	3.3	0.7	<1	<0.1	1.7	2
SP0559	0.9	7.8	<1	<0.1	32.1	7
SP0560	4.9	22.4	<1	0.1	51.7	45
SP0561	13.1	18.0	<1	0.2	46.6	43
SP0562	10.3	27.5	<1	<0.1	29.5	58
SP0563	6.3	13.9	<1	<0.1	46.3	30
SP0564	4.9	21.5	<1	<0.1	44.1	34
SP0565	18.7	23.4	<1	0.2	67.7	50
SP0566	15.8	29.0	<1	0.3	73.1	61
SP0567	5.1	16.5	<1	<0.1	118	33
SP0568	9.0	24.0	<1	<0.1	86.7	57
SP0569	11.9	38.5	<1	0.2	52.2	56
SP0570	1.2	14.2	<1	<0.1	10.7	20
SP0571	9.3	3.5	<1	<0.1	1.3	4
SP0572	13.9	41.7	<1	0.2	53.9	138
SP0573	22.5	53.6	<1	0.2	61.2	98
SP0574	3.8	23.3	<1	<0.1	54.4	49
SP0575	11.4	23.9	<1	0.1	78.1	51
SP0576	13.4	28.4	<1	0.1	73.1	75
SP0577	21.3	38.7	<1	0.2	77.4	94
SP0578	30.3	36.5	<1	0.3	57.6	73
SP0579	6.2	26.6	<1	<0.1	51.1	62
SP0580	1.9	18.2	<1	<0.1	24.4	50
SP0581	4.7	29.0	<1	<0.1	47.6	62
SP0582	7.2	28.8	<1	<0.1	31.1	84
SP0583	6.5	49.8	<1	<0.1	55.2	131
SP0584	4.3	15.1	<1	<0.1	46.8	47
SP0585	15.8	109	<1	0.1	41.3	166

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0586	8.4	32.6	<1	0.1	69.5	75
SP0587	13.0	31.7	<1	<0.1	54.2	94
SP0588	12.1	20.0	1	0.2	121	52
SP0589	12.4	41.6	<1	<0.1	41.9	82
SP0590	2.5	55.8	<1	<0.1	62.4	82
SP0591	7.9	53.1	<1	0.2	63.7	114
SP0592	4.6	49.3	<1	0.1	46.6	85
SP0593	11.3	43.5	<1	0.1	42.9	65
SP0594	10.4	39.5	1	0.3	68.3	66
SP0595	3.8	31.0	<1	<0.1	45.9	71
SP0596	2.9	6.3	<1	<0.1	135	16
SP0597	14.3	38.5	<1	0.1	32.1	68
SP0598	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R
SP0599	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R
SP0600	3.3	16.6	<1	<0.1	104	41
SP0601	7.1	33.5	<1	0.1	58.5	92
SP0602	7.7	66.3	<1	0.2	42.7	80
SP0603	20.8	61.5	<1	0.1	49.7	153
SP0604	15.3	38.6	<1	0.2	96.1	98
SP0605	20.8	27.7	<1	0.1	62.2	91
SP0606	17.1	49.4	<1	0.1	40.1	106
SP0607	2.1	8.1	<1	<0.1	56.2	18
SP0608	10.6	13.8	<1	<0.1	43.2	29
SP0609	2.3	8.3	<1	<0.1	44.5	16
SP0610	13.0	33.0	<1	0.1	38.9	54
SP0611	1.1	12.7	<1	<0.1	16.0	20
SP0612	7.5	16.7	<1	<0.1	44.6	35
SP0613	16.8	33.5	<1	0.2	67.0	82

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0614	16.2	39.7	<1	0.1	24.1	117
SP0615	1.0	6.8	<1	<0.1	32.7	9
SP0616	11.5	18.7	<1	0.1	24.5	48
SP0617	4.5	24.5	<1	<0.1	45.6	42
SP0618	16.4	21.1	1	0.3	37.6	37
SP0619	20.2	32.4	1	0.3	46.4	72
SP0620	23.0	30.2	<1	0.2	34.0	59
SP0621	13.4	44.8	<1	0.2	30.6	70
SP0622	14.4	44.5	<1	0.2	25.3	84
SP0623	6.3	41.5	<1	<0.1	22.3	64
SP0624	8.3	24.0	<1	<0.1	53.1	51
SP0625	7.4	21.3	<1	<0.1	42.2	48
SP0626	9.4	13.1	<1	<0.1	91.1	35
SP0627	5.0	11.7	<1	<0.1	89.5	30
SP0628	10.1	25.3	<1	<0.1	18.4	75
SP0629	7.1	30.0	<1	<0.1	56.7	71
SP0630	19.8	17.5	<1	0.2	56.9	43
SP0631	0.5	4.4	<1	<0.1	16.8	<1
SP0632	5.4	25.4	<1	<0.1	40.6	58
SP0633	3.4	38.9	<1	<0.1	51.0	54
SP0634	8.3	36.1	<1	0.2	44.9	79
SP0635	16.0	18.0	<1	0.2	48.2	40
SP0636	9.9	36.4	<1	0.1	41.8	53
SP0637	8.1	15.8	<1	0.1	74.7	34
SP0638	6.1	29.2	<1	<0.1	32.3	60
SP0639	12.1	25.9	<1	0.1	42.2	79
SP0640	10.1	50.4	<1	0.1	24.6	81
SP0641	17.9	23.3	<1	0.3	46.2	65

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE

GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
SP0642	5.7	16.9	<1	<0.1	64.4	41
SP0643	7.1	24.1	<1	<0.1	62.4	56
SP0644	16.7	30.7	<1	0.2	44.6	85
SP0645	12.8	31.8	<1	0.1	57.1	72
SP0646	10.9	30.2	<1	<0.1	54.1	59
SP0647	11.6	31.0	<1	<0.1	61.1	71
SP0648	0.9	26.2	<1	<0.1	10.3	33
SP0649	10.3	42.1	<1	0.1	69.1	73
SP0650	15.6	46.9	<1	<0.1	30.0	83
SP0651	11.0	36.4	<1	0.1	50.7	103
*Rep SP0281	1.0	14.4	<1	<0.1	67.4	33
*Blk BLANK	<0.5	<0.5	<1	<0.1	<0.5	<1
*Rep SP0305	15.6	36.0	<1	0.2	47.1	59
*Std AMIS0169	10.0	38.2	<1	<0.1	41.0	386
*Rep SP0316	2.8	30.3	<1	<0.1	52.8	54
*Rep SP0333	7.4	42.1	<1	<0.1	48.3	111
*Std AMIS0169	9.2	35.0	<1	<0.1	38.3	353
*Rep SP0345	3.8	15.5	<1	<0.1	30.9	34
*Blk BLANK	<0.5	<0.5	<1	<0.1	<0.5	<1
*Rep SP0373	3.8	13.3	<1	<0.1	57.8	21
*Rep SP0381	2.3	80.8	<1	<0.1	35.8	93
*Rep SP0410	9.1	25.1	<1	<0.1	18.3	68
*Std AMIS0169	9.2	32.3	<1	<0.1	33.8	311
*Rep SP0422	6.6	18.0	<1	<0.1	67.7	51
*Blk BLANK	<0.5	<0.5	<1	<0.1	<0.5	<1
*Rep SP0589	12.8	40.2	<1	0.1	42.1	81
*Blk BLANK	<0.5	<0.5	<1	<0.1	<0.5	<1
*Rep SP0594	11.4	37.4	1	0.3	67.8	64

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
*Std AMIS0169	9.7	34.1	<1	<0.1	37.6	336
*Rep SP0619	20.2	31.7	1	0.3	43.7	71
*Blk BLANK	<0.5	<0.5	<1	<0.1	<0.5	<1
*Rep SP0535	1.9	24.5	<1	<0.1	133	65
*Rep SP0545	1.9	106	<1	<0.1	24.5	100
*Rep SP0562	10.6	27.5	<1	0.1	31.2	58
*Std AMIS0169	9.1	31.6	<1	<0.1	39.6	294
*Blk BLANK	<0.5	<0.5	<1	<0.1	<0.5	<1
*Std AMIS0169	9.4	34.1	<1	<0.1	35.8	342
*Rep SP0626	10.1	13.0	<1	<0.1	90.5	37
*Blk BLANK	<0.5	<0.5	<1	<0.1	<0.5	<1
*Rep SP0648	0.9	24.4	<1	<0.1	11.3	30
*Std AMIS0169	9.9	33.6	<1	<0.1	30.2	338
*Blk BLANK	<0.5	<0.5	<1	<0.1	<0.5	<1
*Rep SP0440	9.4	21.4	<1	<0.1	40.4	30
*Std AMIS0169	11.0	38.1	<1	<0.1	42.4	396
*Rep SP0458	9.3	26.5	<1	<0.1	57.7	32
*Rep SP0461	5.7	23.0	<1	0.1	60.3	25
*Rep SP0479	3.1	64.9	<1	<0.1	30.9	119
*Std AMIS0169	8.0	27.3	<1	<0.1	33.1	283
*Rep SP0500	4.9	9.3	<1	<0.1	83.7	27
*Rep SP0511	7.6	40.1	<1	<0.1	30.8	108
*Blk BLANK	<0.5	<0.5	<1	<0.1	<0.5	<1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0265	<1	21.1	6400	10	1.6	55
SP0266	<1	26.6	6800	8	0.9	48
SP0267	2	6.7	15200	11	4.4	191
SP0268	1	21.3	4300	5	2.2	172
SP0269	<1	35.0	4300	7	1.9	82
SP0270	<1	18.3	4900	3	<0.5	56
SP0271	<1	14.2	3500	4	0.6	49
SP0272	<1	15.8	5000	7	1.9	112
SP0273	<1	4.7	3300	8	2.6	225
SP0274	<1	24.6	7400	14	1.6	61
SP0275	<1	19.9	4500	5	0.7	87
SP0276	<1	28.4	1700	5	2.2	33
SP0277	<1	8.6	13000	4	2.0	51
SP0278	<1	190	1200	3	1.6	68
SP0279	<1	54.3	1300	3	4.2	74
SP0280	2	133	1300	2	1.6	181
SP0281	<1	101	9300	<2	2.4	60
SP0282	<1	80.0	2100	3	3.4	36
SP0283	<1	61.3	2800	3	1.3	90
SP0284	<1	20.7	7300	6	1.1	27
SP0285	<1	17.8	7200	6	3.0	60
SP0286	<1	12.6	12700	4	0.6	133
SP0287	<1	8.1	5300	3	1.2	144
SP0288	<1	23.1	13100	13	6.0	125
SP0289	<1	40.5	10500	9	1.5	50
SP0290	<1	18.3	1400	2	<0.5	34
SP0291	<1	69.9	6800	9	<0.5	10
SP0292	2	69.8	6700	12	<0.5	4

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0293	<1	88.5	5200	7	<0.5	104
SP0294	<1	18.4	4700	8	2.7	110
SP0295	<1	15.3	5700	7	1.0	68
SP0296	<1	18.6	11500	4	2.3	105
SP0297	<1	14.8	7800	5	1.6	74
SP0298	<1	36.2	7600	5	2.4	51
SP0299	<1	45.4	11700	19	0.8	74
SP0300	<1	39.6	8300	<2	<0.5	184
SP0301	2	91.3	1100	5	<0.5	91
SP0302	<1	21.2	4100	4	0.7	227
SP0303	<1	12.2	4400	5	<0.5	145
SP0304	<1	16.2	4500	5	<0.5	88
SP0305	<1	8.7	6300	2	<0.5	108
SP0306	<1	58.8	4300	5	<0.5	55
SP0307	<1	28.2	6400	3	0.9	184
SP0308	<1	103	600	2	<0.5	96
SP0309	<1	73.4	1600	<2	<0.5	108
SP0310	<1	83.8	500	<2	<0.5	129
SP0311	<1	150	3800	<2	<0.5	165
SP0312	<1	24.8	9000	<2	1.3	77
SP0313	3	121	10100	2	<0.5	308
SP0314	<1	17.9	11700	8	2.2	131
SP0315	<1	30.9	5100	5	0.9	152
SP0316	<1	43.5	8600	4	<0.5	99
SP0317	<1	36.4	7000	13	3.9	166
SP0318	<1	90.4	5800	4	<0.5	136
SP0319	<1	7.7	1800	6	<0.5	473
SP0320	<1	33.8	6700	<2	<0.5	30

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0321	<1	93.2	9800	<2	<0.5	238
SP0322	<1	36.8	2800	3	2.4	237
SP0323	<1	70.8	2400	4	0.6	34
SP0324	<1	122	3400	5	<0.5	135
SP0325	<1	34.4	1700	4	<0.5	99
SP0326	<1	38.7	8000	9	<0.5	67
SP0327	<1	31.1	1100	4	1.7	67
SP0328	<1	40.6	2200	5	0.6	62
SP0329	<1	45.1	3000	5	<0.5	81
SP0330	<1	72.7	3400	4	0.8	82
SP0331	<1	32.1	1400	4	<0.5	72
SP0332	<1	22.4	7000	7	1.9	175
SP0333	<1	26.5	5000	5	1.6	182
SP0334	<1	72.6	5700	4	<0.5	170
SP0335	<1	67.2	2400	4	<0.5	124
SP0336	1	54.9	6400	3	0.7	326
SP0337	3	75.9	4400	6	<0.5	39
SP0338	2	116	6800	<2	<0.5	369
SP0339	2	93.0	5500	3	<0.5	102
SP0340	1	47.1	5300	12	<0.5	135
SP0341	<1	42.5	7600	3	<0.5	60
SP0342	<1	19.4	6200	5	1.8	84
SP0343	1	7.4	16200	4	1.8	69
SP0344	<1	24.9	4700	6	1.1	124
SP0345	<1	11.9	4400	3	1.0	52
SP0346	<1	72.8	2700	3	<0.5	41
SP0347	<1	22.2	7600	3	0.9	182
SP0348	<1	32.9	5700	3	0.6	85

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0349	<1	55.0	11800	<2	<0.5	31
SP0350	<1	39.2	6900	2	<0.5	65
SP0351	<1	35.3	8100	6	1.4	74
SP0352	1	25.9	4100	5	1.7	60
SP0353	<1	155	3100	14	<0.5	15
SP0354	<1	13.1	6200	2	<0.5	86
SP0355	<1	12.3	5400	2	<0.5	98
SP0356	<1	45.7	3900	<2	<0.5	188
SP0357	<1	40.0	2200	3	<0.5	40
SP0358	4	64.7	11300	<2	<0.5	246
SP0359	<1	26.3	3600	5	<0.5	55
SP0360	<1	49.4	2900	2	0.8	95
SP0361	<1	36.7	3000	3	<0.5	55
SP0362	<1	54.1	4400	4	<0.5	41
SP0363	<1	26.0	5000	4	1.2	139
SP0364	<1	28.0	3200	3	1.4	38
SP0365	<1	36.4	2300	4	0.7	47
SP0366	<1	28.0	4200	2	<0.5	42
SP0367	<1	36.7	15300	4	0.7	52
SP0368	<1	10.7	3700	4	<0.5	73
SP0369	<1	35.3	1400	4	<0.5	63
SP0370	<1	11.8	2700	4	<0.5	152
SP0371	<1	20.9	1600	5	<0.5	68
SP0372	2	14.4	7200	4	1.5	78
SP0373	<1	15.8	3800	3	<0.5	43
SP0374	<1	93.4	8800	5	0.7	43
SP0375	3	9.1	16700	7	4.2	57
SP0376	<1	65.8	5800	2	<0.5	166

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0377	2	21.4	28600	9	3.8	145
SP0378	<1	26.4	3800	3	0.5	162
SP0379	<1	64.3	13400	9	<0.5	102
SP0380	<1	62.5	11300	5	<0.5	81
SP0381	2	73.0	11900	4	<0.5	217
SP0382	<1	31.2	4800	9	1.5	97
SP0383	1	30.8	9500	4	1.1	88
SP0384	6	105	8500	7	<0.5	31
SP0385	<1	61.4	1700	3	1.3	36
SP0386	1	51.9	5900	<2	1.0	172
SP0387	<1	49.0	11200	3	0.9	44
SP0388	<1	47.4	3200	4	<0.5	91
SP0389	1	62.7	8200	3	0.7	36
SP0390	1	19.7	5000	5	4.0	113
SP0391	<1	59.2	10400	3	1.1	89
SP0392	<1	29.8	4200	3	1.0	114
SP0393	1	18.5	23500	68	<0.5	5
SP0394	<1	65.7	7200	4	1.1	72
SP0395	<1	25.5	4800	5	0.8	104
SP0396	2	34.0	6300	14	0.6	20
SP0397	<1	11.2	2700	5	1.6	185
SP0398	1	16.8	6500	4	3.3	117
SP0399	<1	22.1	5500	6	2.2	131
SP0400	<1	24.4	4300	3	0.6	76
SP0401	<1	28.3	4900	3	0.8	78
SP0402	1	20.9	8600	4	2.0	148
SP0403	<1	23.2	7200	3	<0.5	58
SP0404	<1	49.9	9400	4	1.8	83

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0405	<1	24.0	3900	4	<0.5	53
SP0406	<1	26.8	3800	3	0.8	87
SP0407	<1	12.3	3800	3	1.2	180
SP0408	2	20.5	7800	5	4.2	119
SP0409	<1	10.8	5200	4	0.5	155
SP0410	<1	11.5	2600	4	0.8	104
SP0411	<1	16.0	3700	5	1.3	94
SP0412	<1	29.0	12000	5	2.3	44
SP0413	1	10.8	6400	5	1.6	82
SP0414	<1	24.3	4800	5	1.5	71
SP0415	<1	45.8	2400	3	0.7	88
SP0416	<1	36.2	3800	9	2.7	59
SP0417	<1	105	2000	2	<0.5	25
SP0418	<1	53.2	2300	2	0.6	55
SP0419	<1	29.1	4500	4	1.1	63
SP0420	<1	20.0	8500	5	1.4	78
SP0421	<1	44.7	2800	3	0.7	45
SP0422	<1	12.7	6600	13	2.8	81
SP0423	<1	16.9	3900	4	2.9	103
SP0424	<1	34.5	3600	3	1.4	60
SP0425	<1	79.4	6900	9	0.6	45
SP0426	<1	10.1	7200	6	1.3	80
SP0427	<1	18.0	4300	9	1.5	56
SP0428	<1	15.1	12500	4	1.6	55
SP0429	1	37.6	3100	9	4.1	84
SP0430	1	88.1	5300	4	1.4	92
SP0431	<1	80.0	1600	8	0.6	49
SP0432	1	9.7	6600	5	2.1	51

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0433	<1	28.5	9900	6	1.4	28
SP0434	<1	4.2	4000	2	<0.5	160
SP0435	<1	37.0	5600	<2	<0.5	17
SP0436	<1	19.6	5700	6	0.9	72
SP0437	<1	16.6	6000	6	1.9	86
SP0438	2	17.1	5700	3	3.1	77
SP0439	<1	59.2	2600	2	0.8	39
SP0440	<1	5.3	4700	<2	<0.5	63
SP0441	<1	15.2	5200	4	<0.5	89
SP0442	1	36.4	1600	6	1.6	75
SP0443	<1	85.1	2100	5	1.2	174
SP0444	<1	48.2	1500	3	1.5	54
SP0445	<1	77.1	8400	6	<0.5	160
SP0446	<1	22.6	3200	4	1.4	89
SP0447	5	152	15700	12	<0.5	87
SP0448	5	89.7	16600	2	1.7	174
SP0449	2	122	5700	3	1.0	28
SP0450	6	72.1	6100	3	1.0	153
SP0451	<1	50.5	2500	3	1.3	72
SP0452	3	39.7	7500	3	1.4	42
SP0453	<1	19.9	4500	3	1.4	48
SP0454	<1	12.1	4500	2	1.9	160
SP0455	1	44.6	3200	6	0.8	45
SP0456	1	75.0	10500	18	<0.5	10
SP0457	<1	15.0	3000	4	2.0	93
SP0458	<1	16.6	4600	2	<0.5	71
SP0459	<1	22.5	7400	<2	2.0	85
SP0460	<1	16.3	4300	3	1.0	67

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0461	3	51.1	13800	3	1.4	43
SP0462	<1	30.4	2700	4	1.5	100
SP0463	<1	5.0	4000	2	<0.5	150
SP0464	<1	14.6	4700	4	1.9	85
SP0465	1	37.4	6400	6	1.6	71
SP0466	2	17.7	4700	5	3.2	95
SP0467	<1	18.0	3100	14	4.2	87
SP0468	<1	39.6	2700	8	1.1	128
SP0469	4	58.1	2900	4	<0.5	3
SP0470	<1	61.3	3000	8	1.5	63
SP0471	4	18.2	18900	4	3.0	37
SP0472	1	17.0	5700	4	1.7	126
SP0473	2	27.0	7400	3	1.4	58
SP0474	5	28.4	23700	4	10.1	79
SP0475	<1	16.4	3700	2	2.1	56
SP0476	<1	42.4	1300	3	2.4	47
SP0477	1	10.3	11100	<2	2.5	114
SP0478	<1	54.3	200	<2	0.7	15
SP0479	<1	33.3	2300	2	1.8	218
SP0480	<1	61.2	1900	<2	0.9	45
SP0481	3	45.0	4500	3	1.6	269
SP0482	7	68.1	3700	3	2.1	109
SP0483	<1	57.0	3000	4	1.6	60
SP0484	6	48.2	2300	<2	1.1	66
SP0485	<1	46.9	1500	3	1.7	60
SP0486	<1	57.4	13700	5	2.3	88
SP0487	<1	68.0	1400	3	1.3	148
SP0488	<1	33.7	1300	2	1.7	84

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0489	5	79.9	500	3	1.2	69
SP0490	2	22.5	2800	2	3.4	158
SP0491	<1	80.8	2200	3	0.5	118
SP0492	<1	15.1	6200	5	1.0	18
SP0493	<1	23.4	7000	12	1.5	54
SP0494	<1	33.2	10300	3	1.6	33
SP0495	1	23.8	23500	6	2.8	38
SP0496	1	102	3300	2	1.1	105
SP0497	<1	191	3600	9	<0.5	13
SP0498	1	128	5200	7	<0.5	61
SP0499	<1	48.5	6500	4	1.8	79
SP0500	<1	16.7	9000	7	3.0	38
SP0501	1	6.3	7600	8	6.1	178
SP0502	<1	23.3	5300	4	5.2	89
SP0503	1	27.0	4500	3	3.5	86
SP0504	<1	30.0	2200	<2	<0.5	4
SP0505	<1	22.9	4700	4	2.2	154
SP0506	<1	54.7	1800	6	0.7	24
SP0507	<1	23.7	6800	3	1.8	182
SP0508	1	33.5	8600	<2	2.1	37
SP0509	<1	8.5	5100	4	2.4	105
SP0510	<1	19.2	400	<2	1.2	64
SP0511	<1	18.2	3900	2	2.2	160
SP0512	8	59.7	15100	<2	2.3	132
SP0513	<1	52.5	1600	2	0.6	205
SP0514	2	39.7	1500	3	0.5	11
SP0515	4	33.5	300	114	2.2	9
SP0516	<1	16.8	7800	9	4.1	111

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0517	7	72.3	4500	7	3.2	146
SP0518	5	48.3	11500	10	1.9	110
SP0519	19	85.4	31100	9	<0.5	290
SP0520	9	310	4600	3	<0.5	<1
SP0521	<1	53.7	3800	3	0.9	179
SP0522	2	81.4	5400	8	<0.5	147
SP0523	5	93.8	4200	3	2.0	277
SP0524	3	87.3	7400	5	<0.5	91
SP0525	5	96.3	8700	7	<0.5	19
SP0526	6	58.1	9000	4	1.5	166
SP0527	4	106	5300	3	1.9	274
SP0528	4	88.8	5800	3	1.2	76
SP0529	2	81.3	2800	4	1.7	179
SP0530	3	133	3600	4	0.9	189
SP0531	1	71.3	2300	5	1.7	87
SP0532	23	85.2	7900	6	1.2	331
SP0533	96	283	9400	3	<0.5	90
SP0534	3	72.1	5900	3	1.5	267
SP0535	2	86.6	16900	3	1.2	106
SP0536	2	291	11200	5	1.6	55
SP0537	<1	31.5	4900	5	1.2	51
SP0538	1	42.1	4800	4	3.8	138
SP0539	1	63.6	2600	4	1.2	39
SP0540	3	69.5	600	<2	0.9	63
SP0541	1	41.6	4600	4	1.4	71
SP0542	<1	4.5	5600	3	1.4	119
SP0543	2	5.3	11200	4	2.0	125
SP0544	<1	53.0	4100	4	<0.5	56

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0545	1	156	7100	3	<0.5	307
SP0546	2	99.0	6800	8	<0.5	4
SP0547	<1	26.7	5600	3	1.6	140
SP0548	<1	56.6	900	2	0.9	117
SP0549	2	8.9	10500	6	3.6	114
SP0550	3	14.1	14700	4	2.8	105
SP0551	5	37.1	10400	8	<0.5	7
SP0552	2	32.2	3900	3	<0.5	1
SP0553	4	16.6	9100	8	9.0	137
SP0554	<1	43.2	13300	2	0.5	113
SP0555	<1	20.7	10500	3	1.5	67
SP0556	1	38.5	5100	4	<0.5	1
SP0557	3	19.2	16200	7	3.5	53
SP0558	1	61.1	5400	28	1.5	3
SP0559	<1	62.6	7000	4	<0.5	20
SP0560	1	32.1	11700	6	2.4	81
SP0561	7	20.0	16900	16	3.5	72
SP0562	2	3.9	9300	6	2.1	103
SP0563	1	17.8	16200	6	1.1	53
SP0564	<1	8.8	3000	4	<0.5	72
SP0565	8	14.6	17900	7	5.9	82
SP0566	5	18.3	23700	6	4.1	99
SP0567	1	30.1	12600	9	1.5	58
SP0568	2	30.8	14100	5	2.7	96
SP0569	3	19.1	21800	5	2.4	113
SP0570	1	24.9	2700	6	0.6	51
SP0571	2	7.7	100	28	0.9	8
SP0572	2	23.2	12500	7	7.3	176

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0573	4	21.0	18000	5	5.1	172
SP0574	<1	24.9	13000	3	1.1	71
SP0575	3	8.7	12800	7	4.2	84
SP0576	2	36.5	9000	12	3.9	100
SP0577	3	15.3	22800	7	5.9	141
SP0578	9	22.9	24000	8	7.9	117
SP0579	<1	38.9	10200	4	2.6	98
SP0580	2	108	4200	3	2.1	72
SP0581	<1	23.7	2800	2	1.4	98
SP0582	<1	15.3	19400	5	4.3	127
SP0583	<1	27.1	5700	5	4.0	203
SP0584	<1	21.7	7400	7	6.1	65
SP0585	<1	5.5	12900	5	3.3	367
SP0586	1	7.7	15200	6	4.1	121
SP0587	1	13.8	10500	5	3.7	134
SP0588	5	32.2	49100	9	6.8	76
SP0589	1	16.4	7800	8	3.3	145
SP0590	<1	62.6	11300	8	1.3	156
SP0591	2	30.2	17700	5	4.9	186
SP0592	<1	39.4	9600	4	2.6	149
SP0593	<1	5.9	10500	3	1.5	127
SP0594	5	23.1	25900	11	3.9	120
SP0595	<1	8.4	7000	3	0.7	117
SP0596	<1	29.6	21800	3	1.1	24
SP0597	<1	4.1	12600	5	2.1	127
SP0598	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R
SP0599	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R
SP0600	2	45.5	12800	6	4.5	65

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0601	2	49.9	3000	6	5.3	133
SP0602	2	45.0	9100	4	2.3	164
SP0603	2	7.6	9000	4	2.4	248
SP0604	4	19.9	9100	5	4.4	144
SP0605	3	8.5	13600	5	5.2	125
SP0606	2	7.6	10700	5	2.3	190
SP0607	<1	46.6	12600	8	1.6	30
SP0608	2	6.7	24100	5	2.9	49
SP0609	<1	22.3	3600	3	0.9	30
SP0610	2	5.9	12100	3	3.8	108
SP0611	<1	24.8	1800	4	1.2	43
SP0612	3	7.5	8400	6	5.6	61
SP0613	3	14.7	14900	9	6.2	120
SP0614	1	6.9	9400	7	5.3	164
SP0615	1	15.1	3700	5	0.9	22
SP0616	<1	5.0	12300	7	2.4	75
SP0617	<1	33.6	7700	4	1.3	75
SP0618	3	9.0	20600	6	3.6	62
SP0619	4	6.0	19900	9	6.0	113
SP0620	4	5.8	18600	6	4.8	104
SP0621	2	8.6	6800	4	2.5	140
SP0622	2	9.1	7200	9	3.5	147
SP0623	<1	9.2	2100	4	<0.5	132
SP0624	<1	13.6	3400	4	<0.5	90
SP0625	<1	18.8	10700	4	2.1	73
SP0626	<1	12.2	11100	3	<0.5	44
SP0627	<1	30.7	20000	5	0.8	43
SP0628	<1	10.5	5000	<2	1.9	95

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0629	<1	37.2	19300	4	1.1	108
SP0630	4	18.6	14800	6	4.8	63
SP0631	<1	25.4	2200	29	<0.5	2
SP0632	<1	23.0	2800	3	1.7	94
SP0633	<1	29.4	4100	<2	<0.5	107
SP0634	<1	24.3	8100	5	2.7	130
SP0635	2	14.6	20700	4	3.6	60
SP0636	<1	13.3	12300	3	1.1	100
SP0637	<1	18.3	8700	2	2.2	50
SP0638	<1	28.2	6400	3	1.0	94
SP0639	<1	9.8	6300	3	3.5	104
SP0640	<1	5.5	3000	3	0.6	156
SP0641	3	13.6	17000	5	5.1	87
SP0642	<1	21.5	6200	7	1.8	62
SP0643	<1	18.9	12900	2	<0.5	86
SP0644	<1	8.4	6400	3	2.0	126
SP0645	<1	9.4	6600	5	2.0	116
SP0646	<1	7.2	5000	3	<0.5	107
SP0647	<1	10.1	7600	4	0.8	115
SP0648	<1	61.9	500	2	<0.5	76
SP0649	<1	8.6	8300	2	<0.5	140
SP0650	<1	4.1	8100	2	<0.5	163
SP0651	<1	9.6	8200	3	3.0	146
*Rep SP0281	<1	83.5	6100	2	2.3	50
*Blk BLANK	<1	<0.5	<100	<2	<0.5	<1
*Rep SP0305	<1	9.0	7500	<2	<0.5	100
*Std AMIS0169	<1	24.7	3400	2	1.0	333
*Rep SP0316	<1	43.7	9000	4	<0.5	95

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
*Rep SP0333	<1	26.4	4000	5	1.8	182
*Std AMIS0169	1	25.6	2800	2	1.6	312
*Rep SP0345	<1	11.5	4200	3	1.0	54
*Blk BLANK	<1	<0.5	<100	<2	<0.5	<1
*Rep SP0373	<1	16.6	3800	3	<0.5	42
*Rep SP0381	3	68.9	11900	4	<0.5	222
*Rep SP0410	<1	12.3	2500	4	0.8	111
*Std AMIS0169	<1	23.4	2400	2	1.6	276
*Rep SP0422	<1	12.4	6300	12	2.6	76
*Blk BLANK	<1	<0.5	<100	<2	<0.5	<1
*Rep SP0589	1	16.2	7700	7	3.2	148
*Blk BLANK	<1	<0.5	<100	<2	<0.5	<1
*Rep SP0594	6	23.3	24900	11	4.2	114
*Std AMIS0169	<1	27.2	3900	3	2.3	307
*Rep SP0619	4	5.2	18800	9	5.8	113
*Blk BLANK	<1	<0.5	<100	<2	<0.5	<1
*Rep SP0535	1	80.5	13900	3	1.2	97
*Rep SP0545	1	145	5400	3	<0.5	248
*Rep SP0562	2	4.2	10600	5	2.1	104
*Std AMIS0169	2	28.0	4000	3	1.8	267
*Blk BLANK	<1	<0.5	<100	<2	<0.5	<1
*Std AMIS0169	1	26.8	3500	3	2.1	294
*Rep SP0626	<1	11.6	11200	3	<0.5	46
*Blk BLANK	<1	<0.5	<100	<2	<0.5	<1
*Rep SP0648	<1	60.1	500	2	<0.5	68
*Std AMIS0169	<1	21.9	3100	2	0.7	289
*Blk BLANK	<1	<0.5	<100	<2	<0.5	<1
*Rep SP0440	<1	4.8	5200	2	<0.5	60

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
*Std AMIS0169	1	30.3	3000	3	2.2	340
*Rep SP0458	<1	14.6	4700	3	0.5	70
*Rep SP0461	2	50.3	10200	3	0.9	51
*Rep SP0479	<1	31.1	1700	3	2.2	229
*Std AMIS0169	<1	21.2	2800	<2	1.9	244
*Rep SP0500	<1	15.1	7700	7	3.6	39
*Rep SP0511	<1	18.3	3700	2	2.0	170
*Blk BLANK	<1	<0.5	<100	<2	<0.5	<1

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0265	64	1.4	69	<1	12.7	<0.1
SP0266	34	1.1	28	<1	10.3	<0.1
SP0267	40	4.5	95	<1	43.9	<0.1
SP0268	35	1.8	77	<1	37.6	<0.1
SP0269	39	2.0	57	<1	18.8	<0.1
SP0270	69	1.1	72	<1	11.5	<0.1
SP0271	47	0.6	86	<1	10.6	<0.1
SP0272	36	0.5	99	<1	13.4	<0.1
SP0273	24	2.1	138	<1	47.4	<0.1
SP0274	48	3.4	57	<1	12.7	<0.1
SP0275	38	0.6	58	<1	17.9	<0.1
SP0276	34	1.7	26	<1	7.2	<0.1
SP0277	31	2.6	47	<1	10.4	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0278	46	1.6	39	<1	15.6	<0.1
SP0279	31	2.9	106	<1	15.8	<0.1
SP0280	77	1.8	21	<1	34.3	<0.1
SP0281	79	3.5	64	<1	12.8	<0.1
SP0282	57	2.4	125	<1	8.1	<0.1
SP0283	51	3.2	47	<1	20.7	<0.1
SP0284	34	3.5	27	<1	5.5	<0.1
SP0285	41	3.6	36	<1	13.1	<0.1
SP0286	37	1.1	126	<1	28.1	<0.1
SP0287	52	2.3	139	<1	30.2	<0.1
SP0288	94	7.9	112	<1	28.1	<0.1
SP0289	61	1.9	54	<1	11.2	<0.1
SP0290	34	1.3	55	<1	6.9	<0.1
SP0291	82	0.7	42	<1	2.1	<0.1
SP0292	62	7.0	17	<1	0.6	<0.1
SP0293	112	2.0	11	<1	19.1	<0.1
SP0294	29	3.5	75	<1	25.4	<0.1
SP0295	28	1.9	47	<1	14.6	<0.1
SP0296	58	2.9	63	<1	23.3	<0.1
SP0297	40	3.5	72	<1	16.8	<0.1
SP0298	43	2.3	51	<1	11.3	<0.1
SP0299	90	3.9	28	<1	15.3	<0.1
SP0300	61	0.4	92	<1	33.5	<0.1
SP0301	73	0.4	<5	<1	12.6	<0.1
SP0302	28	1.2	84	<1	48.3	<0.1
SP0303	32	1.1	85	<1	30.6	<0.1
SP0304	29	1.0	56	<1	19.2	<0.1
SP0305	50	0.9	159	<1	22.7	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0306	49	1.7	34	<1	11.8	<0.1
SP0307	62	2.8	31	<1	35.6	<0.1
SP0308	79	1.7	8	<1	18.8	<0.1
SP0309	41	1.9	20	<1	22.5	<0.1
SP0310	56	1.2	10	<1	27.7	<0.1
SP0311	77	0.9	62	<1	31.5	<0.1
SP0312	34	4.8	98	<1	15.3	<0.1
SP0313	86	1.0	82	<1	58.4	<0.1
SP0314	50	2.6	57	<1	27.0	<0.1
SP0315	24	2.8	42	<1	32.9	<0.1
SP0316	53	2.2	34	<1	20.5	<0.1
SP0317	49	4.1	78	<1	36.2	<0.1
SP0318	69	1.3	44	<1	26.8	<0.1
SP0319	13	0.7	112	<1	94.4	<0.1
SP0320	88	0.4	71	<1	6.1	<0.1
SP0321	509	0.5	55	<1	46.2	<0.1
SP0322	52	4.9	52	<1	52.5	<0.1
SP0323	45	2.8	13	<1	6.7	<0.1
SP0324	118	2.3	11	<1	22.3	<0.1
SP0325	34	1.8	12	<1	20.2	<0.1
SP0326	62	3.4	28	<1	13.3	<0.1
SP0327	28	3.6	19	<1	14.3	<0.1
SP0328	27	3.4	13	<1	12.5	<0.1
SP0329	37	2.1	22	<1	17.0	<0.1
SP0330	51	2.7	32	<1	17.8	<0.1
SP0331	18	1.3	23	<1	15.0	<0.1
SP0332	34	3.4	73	<1	37.1	<0.1
SP0333	38	2.8	80	<1	38.5	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0334	110	2.3	39	<1	33.0	<0.1
SP0335	119	0.9	11	<1	23.5	<0.1
SP0336	75	2.0	51	<1	69.1	<0.1
SP0337	51	0.3	7	<1	6.7	<0.1
SP0338	117	0.9	53	<1	80.5	<0.1
SP0339	285	0.3	24	<1	17.8	<0.1
SP0340	74	0.8	9	<1	18.6	<0.1
SP0341	75	3.9	25	<1	12.0	<0.1
SP0342	37	4.1	47	<1	17.4	<0.1
SP0343	52	2.2	140	<1	15.3	<0.1
SP0344	66	3.7	48	<1	25.1	<0.1
SP0345	33	2.6	62	<1	11.2	<0.1
SP0346	87	1.4	17	<1	9.3	<0.1
SP0347	57	2.7	45	<1	35.1	<0.1
SP0348	53	1.9	32	<1	17.7	<0.1
SP0349	75	1.6	48	<1	6.3	<0.1
SP0350	71	1.7	41	<1	13.5	<0.1
SP0351	94	3.0	98	<1	16.3	<0.1
SP0352	68	2.7	96	<1	13.2	<0.1
SP0353	61	3.5	11	<1	2.9	<0.1
SP0354	26	1.3	90	<1	17.2	<0.1
SP0355	84	1.4	106	<1	20.0	<0.1
SP0356	36	1.2	13	<1	37.6	<0.1
SP0357	30	2.2	14	<1	8.3	<0.1
SP0358	131	2.4	23	<1	50.0	<0.1
SP0359	70	2.1	39	<1	11.1	<0.1
SP0360	44	3.8	23	<1	19.9	<0.1
SP0361	52	3.1	23	<1	11.1	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0362	51	2.1	18	<1	8.7	<0.1
SP0363	37	2.8	40	<1	30.1	<0.1
SP0364	31	3.7	29	<1	8.2	<0.1
SP0365	52	3.8	26	<1	9.7	<0.1
SP0366	49	1.5	57	<1	9.4	<0.1
SP0367	80	2.3	52	<1	11.5	<0.1
SP0368	54	1.8	103	<1	14.7	<0.1
SP0369	20	1.7	33	<1	13.0	<0.1
SP0370	24	1.3	77	<1	30.9	<0.1
SP0371	27	1.2	39	<1	14.1	<0.1
SP0372	106	2.8	138	<1	16.2	<0.1
SP0373	70	1.2	72	<1	8.5	<0.1
SP0374	104	0.5	22	<1	8.0	<0.1
SP0375	134	10.8	160	<1	11.1	<0.1
SP0376	107	1.3	25	<1	33.7	<0.1
SP0377	96	6.6	135	<1	32.2	<0.1
SP0378	40	3.5	20	<1	30.0	<0.1
SP0379	110	4.2	11	<1	19.1	<0.1
SP0380	216	1.9	24	<1	16.0	<0.1
SP0381	152	1.4	18	<1	38.5	<0.1
SP0382	43	4.5	29	<1	20.4	<0.1
SP0383	81	6.1	37	<1	18.3	<0.1
SP0384	189	3.1	<5	<1	5.6	<0.1
SP0385	49	7.3	39	<1	8.4	<0.1
SP0386	93	6.9	30	<1	34.3	<0.1
SP0387	36	4.4	55	<1	10.6	<0.1
SP0388	75	8.0	15	<1	19.7	<0.1
SP0389	67	6.5	32	<1	7.9	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0390	82	4.9	132	<1	24.8	<0.1
SP0391	76	3.1	56	<1	19.8	<0.1
SP0392	54	3.1	87	<1	23.2	<0.1
SP0393	127	0.8	<5	<1	1.0	<0.1
SP0394	102	2.3	115	<1	15.3	<0.1
SP0395	53	2.7	114	<1	21.8	<0.1
SP0396	126	0.3	61	<1	4.0	<0.1
SP0397	23	4.0	94	<1	38.7	<0.1
SP0398	54	8.2	116	<1	26.6	<0.1
SP0399	42	5.4	97	<1	29.1	<0.1
SP0400	29	1.7	40	<1	16.6	<0.1
SP0401	65	2.4	49	<1	16.4	<0.1
SP0402	83	4.7	84	<1	31.0	<0.1
SP0403	51	2.7	48	<1	12.1	<0.1
SP0404	70	3.3	44	<1	19.1	<0.1
SP0405	94	2.8	48	<1	11.7	<0.1
SP0406	151	2.2	124	<1	18.1	<0.1
SP0407	29	2.3	77	<1	38.0	<0.1
SP0408	84	5.3	92	<1	27.6	<0.1
SP0409	64	2.1	120	<1	31.6	<0.1
SP0410	31	2.0	66	<1	22.8	<0.1
SP0411	67	3.1	80	<1	19.6	<0.1
SP0412	94	8.5	51	<1	9.6	<0.1
SP0413	127	4.5	115	<1	17.1	<0.1
SP0414	75	3.5	46	<1	15.4	<0.1
SP0415	46	4.2	11	<1	17.4	<0.1
SP0416	76	4.5	61	<1	13.4	<0.1
SP0417	44	1.5	9	<1	4.9	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0418	28	2.3	16	<1	12.1	<0.1
SP0419	67	7.4	27	<1	13.7	<0.1
SP0420	65	4.4	43	<1	16.7	<0.1
SP0421	37	5.8	13	<1	10.1	<0.1
SP0422	50	6.1	44	<1	17.8	<0.1
SP0423	27	5.0	47	<1	23.1	<0.1
SP0424	30	3.5	35	<1	13.7	<0.1
SP0425	160	2.0	7	<1	8.1	<0.1
SP0426	78	2.8	75	<1	16.1	<0.1
SP0427	38	2.4	47	<1	11.8	<0.1
SP0428	66	2.4	72	<1	11.7	<0.1
SP0429	48	6.4	69	<1	19.4	<0.1
SP0430	78	2.9	39	<1	20.7	<0.1
SP0431	57	0.9	8	<1	9.0	<0.1
SP0432	41	2.7	169	<1	11.0	<0.1
SP0433	66	2.3	107	<1	6.0	<0.1
SP0434	19	1.0	108	<1	31.2	<0.1
SP0435	55	2.4	27	<1	3.5	<0.1
SP0436	89	2.3	88	<1	15.3	<0.1
SP0437	62	3.7	84	<1	18.6	<0.1
SP0438	83	4.4	90	<1	16.4	<0.1
SP0439	51	1.5	15	<1	7.2	<0.1
SP0440	74	0.8	114	<1	12.4	<0.1
SP0441	35	1.1	100	<1	19.0	<0.1
SP0442	49	4.5	26	<1	14.7	<0.1
SP0443	56	2.4	20	<1	35.2	<0.1
SP0444	43	4.7	23	<1	11.6	<0.1
SP0445	114	3.1	8	<1	27.7	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0446	41	5.7	45	<1	18.2	<0.1
SP0447	668	1.6	15	<1	13.9	<0.1
SP0448	103	5.0	72	<1	39.4	<0.1
SP0449	65	4.5	22	<1	4.7	<0.1
SP0450	165	2.7	37	<1	34.2	<0.1
SP0451	23	4.5	27	<1	16.2	<0.1
SP0452	42	5.2	136	<1	8.4	<0.1
SP0453	52	1.9	85	<1	10.0	<0.1
SP0454	51	3.2	141	<1	32.0	<0.1
SP0455	83	1.7	112	<1	9.3	<0.1
SP0456	416	0.2	13	<1	1.5	<0.1
SP0457	48	3.3	86	<1	19.7	<0.1
SP0458	71	1.6	103	<1	14.1	<0.1
SP0459	44	2.3	151	<1	18.5	<0.1
SP0460	40	2.6	93	<1	13.9	<0.1
SP0461	50	4.0	200	<1	8.7	<0.1
SP0462	39	3.5	67	<1	21.6	<0.1
SP0463	32	0.9	143	<1	28.6	<0.1
SP0464	47	3.2	258	<1	17.8	<0.1
SP0465	60	3.1	73	<1	15.4	<0.1
SP0466	58	6.1	143	<1	20.5	<0.1
SP0467	32	5.4	85	<1	19.4	<0.1
SP0468	53	1.6	22	<1	23.9	<0.1
SP0469	113	0.6	<5	2	<0.5	<0.1
SP0470	92	1.4	20	<1	11.3	<0.1
SP0471	81	5.8	167	<1	8.7	<0.1
SP0472	86	4.4	132	<1	26.6	<0.1
SP0473	90	1.7	186	<1	12.2	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0474	98	10.0	160	<1	19.7	<0.1
SP0475	38	2.5	68	<1	11.9	<0.1
SP0476	37	2.2	49	<1	10.8	<0.1
SP0477	86	2.7	120	<1	23.1	<0.1
SP0478	85	0.2	<5	3	1.7	<0.1
SP0479	38	1.5	48	<1	43.5	<0.1
SP0480	93	0.6	28	<1	9.3	0.4
SP0481	153	2.6	27	<1	54.9	<0.1
SP0482	70	2.1	65	<1	21.1	<0.1
SP0483	58	3.2	46	<1	12.6	<0.1
SP0484	54	1.4	26	<1	13.9	<0.1
SP0485	33	6.5	40	<1	12.1	<0.1
SP0486	72	3.3	28	<1	21.1	<0.1
SP0487	48	2.2	43	<1	32.3	<0.1
SP0488	57	3.7	20	<1	17.7	<0.1
SP0489	40	1.1	18	<1	14.3	<0.1
SP0490	35	7.1	80	<1	33.1	<0.1
SP0491	43	3.7	35	<1	24.3	<0.1
SP0492	28	1.8	75	<1	3.7	<0.1
SP0493	30	4.9	91	<1	11.8	<0.1
SP0494	51	4.3	69	<1	7.1	<0.1
SP0495	57	6.3	110	<1	8.7	<0.1
SP0496	38	1.6	51	<1	22.6	<0.1
SP0497	216	2.4	<5	<1	2.1	<0.1
SP0498	78	1.2	23	<1	10.5	<0.1
SP0499	55	2.4	45	<1	18.5	<0.1
SP0500	37	3.7	84	<1	8.6	<0.1
SP0501	62	7.5	80	<1	38.8	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0502	24	5.9	61	<1	21.5	<0.1
SP0503	96	3.8	102	<1	18.9	<0.1
SP0504	124	0.3	14	<1	0.7	<0.1
SP0505	28	2.5	69	<1	33.3	<0.1
SP0506	93	0.8	6	<1	4.4	<0.1
SP0507	84	1.9	65	<1	35.6	<0.1
SP0508	61	4.8	214	<1	7.7	<0.1
SP0509	26	3.5	80	<1	24.0	<0.1
SP0510	26	2.3	32	<1	13.5	<0.1
SP0511	26	3.4	95	<1	35.1	<0.1
SP0512	138	1.4	150	<1	28.4	<0.1
SP0513	22	2.9	58	<1	39.4	<0.1
SP0514	258	0.1	17	1	1.9	<0.1
SP0515	138	0.5	19	<1	1.5	<0.1
SP0516	42	6.8	117	<1	25.8	<0.1
SP0517	54	7.2	75	<1	32.7	<0.1
SP0518	89	4.4	52	<1	23.3	<0.1
SP0519	301	1.9	18	<1	52.2	<0.1
SP0520	206	0.7	<5	<1	<0.5	<0.1
SP0521	45	2.6	10	<1	33.9	<0.1
SP0522	165	1.2	9	<1	24.2	<0.1
SP0523	130	0.6	20	<1	50.0	<0.1
SP0524	96	0.4	8	<1	15.7	<0.1
SP0525	159	0.7	26	<1	3.0	<0.1
SP0526	70	1.3	53	<1	35.2	<0.1
SP0527	112	2.1	49	<1	53.0	<0.1
SP0528	93	2.5	48	<1	17.2	<0.1
SP0529	46	1.0	55	<1	38.1	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0530	117	2.0	39	<1	34.1	<0.1
SP0531	54	3.3	23	<1	18.5	<0.1
SP0532	200	0.9	78	<1	70.1	<0.1
SP0533	133	0.9	28	<1	17.0	<0.1
SP0534	87	1.0	39	<1	56.4	<0.1
SP0535	125	0.9	37	<1	24.4	<0.1
SP0536	99	0.6	35	<1	12.5	<0.1
SP0537	34	2.5	47	<1	10.1	<0.1
SP0538	48	5.5	53	<1	31.5	<0.1
SP0539	31	1.0	41	<1	8.2	<0.1
SP0540	39	1.4	23	<1	13.5	<0.1
SP0541	42	2.9	31	<1	15.3	<0.1
SP0542	44	1.8	176	<1	25.2	<0.1
SP0543	40	2.1	137	<1	26.6	<0.1
SP0544	62	0.7	67	<1	10.4	<0.1
SP0545	225	0.3	42	<1	56.1	<0.1
SP0546	164	0.4	12	<1	<0.5	<0.1
SP0547	46	2.0	101	<1	29.2	<0.1
SP0548	32	1.7	39	<1	21.8	<0.1
SP0549	53	3.9	121	<1	24.9	<0.1
SP0550	90	3.7	101	<1	23.3	<0.1
SP0551	89	0.2	8	<1	0.9	0.5
SP0552	56	0.6	14	<1	<0.5	<0.1
SP0553	70	9.2	123	<1	30.8	<0.1
SP0554	57	1.6	24	<1	22.0	<0.1
SP0555	44	1.8	102	<1	14.8	<0.1
SP0556	124	0.6	15	<1	<0.5	<0.1
SP0557	76	3.6	226	<1	11.5	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0558	155	0.7	11	<1	0.7	<0.1
SP0559	34	1.5	<5	<1	3.4	<0.1
SP0560	76	2.6	148	<1	17.0	<0.1
SP0561	115	3.7	223	<1	15.5	<0.1
SP0562	87	2.3	97	<1	21.9	<0.1
SP0563	117	1.6	148	<1	11.0	<0.1
SP0564	28	0.9	89	<1	14.0	<0.1
SP0565	192	8.0	293	<1	18.2	<0.1
SP0566	129	6.8	282	<1	21.8	<0.1
SP0567	80	2.3	132	<1	12.0	<0.1
SP0568	84	3.3	159	<1	20.4	<0.1
SP0569	125	3.8	328	<1	23.0	<0.1
SP0570	100	0.2	8	<1	9.5	<0.1
SP0571	92	1.1	61	<1	1.7	<0.1
SP0572	79	5.7	160	<1	42.3	<0.1
SP0573	97	4.3	224	<1	36.9	<0.1
SP0574	60	1.0	157	<1	15.5	<0.1
SP0575	68	3.5	188	<1	18.6	<0.1
SP0576	146	3.0	140	<1	24.5	<0.1
SP0577	75	4.7	190	<1	32.4	<0.1
SP0578	194	12.2	214	<1	26.8	<0.1
SP0579	70	3.1	85	<1	21.8	<0.1
SP0580	84	1.3	35	<1	16.7	<0.1
SP0581	26	2.3	108	<1	22.0	<0.1
SP0582	38	3.1	119	<1	28.6	<0.1
SP0583	56	4.7	86	<1	46.3	<0.1
SP0584	56	9.1	74	<1	15.7	<0.1
SP0585	31	2.6	220	<1	75.8	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0586	42	3.6	137	<1	27.8	<0.1
SP0587	46	4.6	118	<1	31.1	<0.1
SP0588	142	9.7	185	<1	18.0	<0.1
SP0589	50	3.4	132	<1	31.9	<0.1
SP0590	150	1.1	113	<1	31.7	<0.1
SP0591	135	3.7	204	<1	41.6	<0.1
SP0592	117	2.3	120	<1	31.7	<0.1
SP0593	51	1.4	143	<1	27.0	<0.1
SP0594	172	5.7	285	<1	26.5	<0.1
SP0595	28	0.5	163	<1	25.6	<0.1
SP0596	47	2.7	74	<1	5.7	<0.1
SP0597	38	1.9	236	<1	27.0	<0.1
SP0598	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R
SP0599	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R
SP0600	44	7.5	73	<1	15.1	<0.1
SP0601	84	3.4	126	<1	30.3	<0.1
SP0602	88	2.6	232	<1	32.7	<0.1
SP0603	100	3.0	127	<1	56.6	<0.1
SP0604	58	5.8	124	<1	33.2	<0.1
SP0605	50	6.5	84	<1	30.3	<0.1
SP0606	63	3.6	105	<1	42.3	<0.1
SP0607	80	1.8	67	<1	6.5	<0.1
SP0608	45	3.4	146	<1	10.7	<0.1
SP0609	32	1.6	26	<1	6.1	<0.1
SP0610	33	3.3	204	<1	22.7	<0.1
SP0611	53	0.9	10	<1	8.2	<0.1
SP0612	42	7.2	83	<1	13.6	<0.1
SP0613	68	7.0	116	<1	28.2	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0614	22	5.4	102	<1	39.3	<0.1
SP0615	89	1.8	16	<1	4.4	<0.1
SP0616	30	2.1	93	<1	17.0	<0.1
SP0617	87	2.2	108	<1	15.9	<0.1
SP0618	135	6.9	342	<1	13.5	<0.1
SP0619	121	7.1	289	<1	24.7	<0.1
SP0620	105	7.3	187	<1	22.0	<0.1
SP0621	55	2.7	142	<1	27.6	<0.1
SP0622	99	4.1	168	<1	30.8	<0.1
SP0623	30	1.3	92	<1	26.1	<0.1
SP0624	30	1.5	99	<1	18.2	<0.1
SP0625	95	3.1	113	<1	16.7	<0.1
SP0626	59	1.7	115	<1	10.5	<0.1
SP0627	113	3.1	108	<1	9.7	<0.1
SP0628	25	1.9	116	<1	21.8	<0.1
SP0629	196	3.9	91	<1	23.6	<0.1
SP0630	155	9.0	168	<1	14.6	<0.1
SP0631	84	<0.1	<5	<1	<0.5	<0.1
SP0632	46	3.0	54	<1	20.3	<0.1
SP0633	84	1.4	63	<1	20.8	<0.1
SP0634	117	5.7	175	<1	27.3	<0.1
SP0635	109	8.2	266	<1	13.1	<0.1
SP0636	111	3.0	189	<1	20.5	<0.1
SP0637	69	3.6	205	<1	10.9	<0.1
SP0638	107	2.1	108	<1	20.2	<0.1
SP0639	50	4.5	142	<1	23.6	<0.1
SP0640	41	2.2	113	<1	31.3	<0.1
SP0641	129	6.9	161	<1	20.7	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
SP0642	146	4.2	102	<1	14.0	<0.1
SP0643	85	3.0	117	<1	18.7	<0.1
SP0644	116	4.7	116	<1	28.7	<0.1
SP0645	41	4.1	69	<1	25.8	<0.1
SP0646	42	1.8	75	<1	22.0	<0.1
SP0647	45	2.5	107	<1	25.1	<0.1
SP0648	72	0.8	119	<1	13.0	<0.1
SP0649	58	2.6	108	<1	28.1	<0.1
SP0650	36	1.7	127	<1	32.9	<0.1
SP0651	49	3.4	154	<1	33.2	<0.1
*Rep SP0281	65	3.7	43	<1	10.6	<0.1
*Blk BLANK	<5	<0.1	<5	<1	<0.5	<0.1
*Rep SP0305	55	1.2	170	<1	21.0	<0.1
*Std AMIS0169	300	1.9	84	<1	90.0	0.1
*Rep SP0316	61	1.8	32	<1	19.3	<0.1
*Rep SP0333	28	3.4	64	<1	38.4	<0.1
*Std AMIS0169	280	2.5	79	<1	80.9	0.2
*Rep SP0345	36	2.5	69	<1	11.6	<0.1
*Blk BLANK	<5	0.1	<5	<1	<0.5	<0.1
*Rep SP0373	72	1.0	70	<1	8.2	<0.1
*Rep SP0381	152	1.5	17	<1	39.7	<0.1
*Rep SP0410	31	2.1	67	<1	24.9	<0.1
*Std AMIS0169	264	2.3	78	<1	72.8	<0.1
*Rep SP0422	44	6.3	44	<1	16.7	<0.1
*Blk BLANK	<5	0.1	<5	<1	<0.5	<0.1
*Rep SP0589	48	3.4	135	<1	32.5	<0.1
*Blk BLANK	<5	<0.1	<5	<1	<0.5	<0.1
*Rep SP0594	169	5.7	290	<1	25.0	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
*Std AMIS0169	284	1.8	83	<1	84.2	<0.1
*Rep SP0619	123	7.4	303	<1	25.0	<0.1
*Blk BLANK	<5	<0.1	<5	<1	<0.5	<0.1
*Rep SP0535	98	1.2	31	<1	22.7	<0.1
*Rep SP0545	197	0.3	35	<1	45.1	<0.1
*Rep SP0562	94	2.1	101	<1	22.2	<0.1
*Std AMIS0169	282	1.8	75	<1	72.0	<0.1
*Blk BLANK	<5	<0.1	<5	<1	<0.5	<0.1
*Std AMIS0169	273	1.9	81	<1	81.2	<0.1
*Rep SP0626	63	1.9	119	<1	11.1	<0.1
*Blk BLANK	<5	<0.1	<5	<1	<0.5	<0.1
*Rep SP0648	66	0.8	76	<1	12.5	<0.1
*Std AMIS0169	247	1.6	74	<1	79.5	0.1
*Blk BLANK	<5	<0.1	<5	<1	<0.5	<0.1
*Rep SP0440	78	1.0	118	<1	12.3	<0.1
*Std AMIS0169	348	2.8	89	<1	92.3	<0.1
*Rep SP0458	70	1.5	101	<1	13.4	<0.1
*Rep SP0461	60	2.6	210	<1	10.3	<0.1
*Rep SP0479	32	2.0	39	<1	44.7	<0.1
*Std AMIS0169	244	1.7	63	<1	66.7	<0.1
*Rep SP0500	33	4.3	79	<1	9.2	<0.1
*Rep SP0511	25	3.5	95	<1	38.2	<0.1
*Blk BLANK	<5	<0.1	<5	<1	<0.5	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0265	139	<0.5	37	15	<1	430
SP0266	154	<0.5	26	12	<1	630
SP0267	143	0.7	94	45	17	200
SP0268	118	<0.5	62	41	<1	480
SP0269	146	<0.5	35	20	<1	1590
SP0270	177	<0.5	71	17	<1	730
SP0271	211	<0.5	43	13	<1	790
SP0272	143	<0.5	48	29	<1	510
SP0273	72	<0.5	78	55	<1	300
SP0274	142	<0.5	32	16	<1	480
SP0275	100	<0.5	30	22	<1	600
SP0276	106	<0.5	16	8	<1	1610
SP0277	113	0.6	35	14	<1	690
SP0278	31	<0.5	71	18	<1	4500
SP0279	127	<0.5	31	18	<1	6140
SP0280	39	<0.5	14	49	<1	4770
SP0281	31	<0.5	16	15	<1	5770
SP0282	80	<0.5	18	9	<1	4460
SP0283	154	<0.5	55	21	<1	2880
SP0284	106	<0.5	12	8	<1	920
SP0285	97	<0.5	24	14	<1	1200
SP0286	166	<0.5	54	35	<1	550
SP0287	139	<0.5	79	39	<1	370
SP0288	119	<0.5	82	31	<1	730
SP0289	179	<0.5	28	12	<1	1230
SP0290	90	<0.5	17	8	<1	1380
SP0291	202	<0.5	9	3	<1	1500
SP0292	227	0.9	5	<1	<1	1790

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Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0293	61	<0.5	25	31	<1	2020
SP0294	101	<0.5	34	25	<1	990
SP0295	123	<0.5	32	17	<1	880
SP0296	132	<0.5	42	26	<1	840
SP0297	106	<0.5	39	20	<1	850
SP0298	97	<0.5	20	12	<1	2110
SP0299	147	<0.5	45	19	<1	1460
SP0300	142	<0.5	47	55	<1	1980
SP0301	25	<0.5	32	29	<1	3820
SP0302	154	<0.5	69	56	<1	540
SP0303	148	<0.5	76	36	<1	330
SP0304	163	<0.5	46	22	<1	590
SP0305	113	<0.5	64	31	<1	360
SP0306	126	<0.5	28	13	<1	770
SP0307	98	<0.5	76	56	<1	1010
SP0308	33	<0.5	21	26	<1	5060
SP0309	59	<0.5	23	27	<1	4630
SP0310	34	<0.5	34	31	<1	4090
SP0311	22	<0.5	23	48	<1	7910
SP0312	144	<0.5	22	21	<1	2020
SP0313	70	<0.5	35	88	<1	5460
SP0314	159	<0.5	43	32	<1	1160
SP0315	98	<0.5	49	38	<1	2000
SP0316	83	<0.5	31	26	<1	2520
SP0317	123	<0.5	78	43	<1	1260
SP0318	48	<0.5	72	37	<1	1410
SP0319	136	<0.5	116	124	<1	690
SP0320	82	<0.5	21	9	<1	1350

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Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0321	32	<0.5	33	66	<1	3040
SP0322	49	<0.5	137	59	<1	2410
SP0323	116	<0.5	18	9	<1	4120
SP0324	22	<0.5	29	46	<1	4240
SP0325	38	<0.5	33	26	<1	2540
SP0326	46	<0.5	28	18	<1	1900
SP0327	57	<0.5	26	16	<1	1830
SP0328	100	<0.5	26	16	<1	1440
SP0329	60	<0.5	37	19	<1	1750
SP0330	80	<0.5	45	19	<1	2190
SP0331	142	<0.5	20	18	<1	1510
SP0332	145	<0.5	98	44	<1	730
SP0333	151	<0.5	99	44	<1	710
SP0334	71	<0.5	83	42	<1	930
SP0335	33	<0.5	48	33	<1	2150
SP0336	48	<0.5	119	79	<1	2260
SP0337	41	<0.5	15	12	<1	1190
SP0338	43	<0.5	79	80	<1	2690
SP0339	21	<0.5	14	34	<1	2150
SP0340	16	<0.5	33	56	<1	1230
SP0341	33	<0.5	29	16	<1	990
SP0342	89	<0.5	35	20	<1	770
SP0343	56	<0.5	48	18	<1	270
SP0344	83	<0.5	53	31	<1	1440
SP0345	66	<0.5	31	13	<1	750
SP0346	16	<0.5	21	9	<1	2160
SP0347	51	<0.5	95	49	<1	870
SP0348	86	<0.5	40	21	<1	1080

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0349	51	<0.5	17	8	<1	1590
SP0350	108	<0.5	51	17	<1	850
SP0351	91	<0.5	46	18	<1	940
SP0352	170	<0.5	33	14	<1	730
SP0353	76	<0.5	8	4	<1	1130
SP0354	73	<0.5	37	21	<1	770
SP0355	178	<0.5	50	23	<1	300
SP0356	34	<0.5	65	44	<1	1600
SP0357	56	<0.5	15	9	<1	1770
SP0358	30	<0.5	207	75	<1	1160
SP0359	94	<0.5	43	15	<1	710
SP0360	88	<0.5	31	22	<1	1070
SP0361	72	<0.5	20	14	<1	930
SP0362	68	<0.5	17	10	<1	1330
SP0363	69	<0.5	57	32	<1	1030
SP0364	77	<0.5	21	8	<1	920
SP0365	130	<0.5	21	11	<1	990
SP0366	123	<0.5	24	10	<1	710
SP0367	90	<0.5	30	12	<1	940
SP0368	127	<0.5	43	18	<1	390
SP0369	108	<0.5	31	14	<1	820
SP0370	135	<0.5	77	40	<1	730
SP0371	148	<0.5	35	17	<1	860
SP0372	168	<0.5	53	21	<1	510
SP0373	140	<0.5	27	12	<1	840
SP0374	52	<0.5	15	13	<1	1460
SP0375	141	<0.5	66	19	<1	250
SP0376	37	<0.5	43	41	<1	1900

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0377	97	<0.5	81	35	<1	800
SP0378	35	<0.5	35	43	2	1490
SP0379	57	<0.5	23	28	1	1840
SP0380	42	<0.5	42	23	<1	1250
SP0381	24	<0.5	53	63	<1	1640
SP0382	92	<0.5	33	22	<1	1140
SP0383	50	<0.5	45	23	<1	1030
SP0384	49	<0.5	41	10	<1	1690
SP0385	66	<0.5	16	8	<1	1950
SP0386	81	<0.5	40	40	<1	1940
SP0387	101	<0.5	22	10	<1	1500
SP0388	72	<0.5	28	22	<1	1330
SP0389	27	<0.5	21	8	<1	2230
SP0390	162	<0.5	67	28	<1	610
SP0391	111	<0.5	50	19	<1	1310
SP0392	171	<0.5	60	29	<1	650
SP0393	2	6.8	9	1	<1	730
SP0394	81	<0.5	20	18	<1	1250
SP0395	163	<0.5	68	27	<1	810
SP0396	25	0.7	17	5	<1	1220
SP0397	150	<0.5	74	43	<1	390
SP0398	133	<0.5	82	26	<1	420
SP0399	177	<0.5	65	32	<1	780
SP0400	113	<0.5	27	17	<1	790
SP0401	123	<0.5	45	21	<1	810
SP0402	109	<0.5	88	37	<1	460
SP0403	103	<0.5	23	14	<1	870
SP0404	98	<0.5	32	18	<1	1110

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0405	152	<0.5	29	13	<1	670
SP0406	190	<0.5	45	21	<1	580
SP0407	152	<0.5	60	40	<1	450
SP0408	127	<0.5	56	27	<1	330
SP0409	148	<0.5	66	38	<1	380
SP0410	116	<0.5	42	25	<1	310
SP0411	119	<0.5	49	23	<1	450
SP0412	128	<0.5	23	9	<1	800
SP0413	154	<0.5	43	21	<1	400
SP0414	142	<0.5	37	18	<1	550
SP0415	165	<0.5	15	21	<1	1140
SP0416	137	<0.5	27	13	<1	1030
SP0417	26	<0.5	21	7	<1	1410
SP0418	64	<0.5	19	12	<1	2070
SP0419	45	<0.5	24	14	<1	1320
SP0420	119	<0.5	35	18	<1	640
SP0421	61	<0.5	22	10	<1	1100
SP0422	116	<0.5	39	18	<1	490
SP0423	61	<0.5	38	24	<1	880
SP0424	95	<0.5	19	12	<1	1270
SP0425	25	<0.5	24	14	<1	1610
SP0426	135	<0.5	73	24	<1	450
SP0427	136	<0.5	46	15	<1	880
SP0428	139	<0.5	38	13	<1	780
SP0429	158	<0.5	62	21	<1	850
SP0430	52	<0.5	43	21	<1	1730
SP0431	51	<0.5	11	13	<1	2970
SP0432	118	<0.5	29	13	<1	480

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0433	138	<0.5	28	7	<1	930
SP0434	147	<0.5	77	47	<1	380
SP0435	163	<0.5	11	5	<1	1020
SP0436	171	<0.5	42	19	<1	570
SP0437	134	<0.5	58	23	<1	760
SP0438	90	<0.5	51	20	<1	690
SP0439	50	<0.5	21	11	<1	1480
SP0440	117	<0.5	32	17	<1	480
SP0441	158	<0.5	40	23	<1	490
SP0442	83	<0.5	30	18	<1	1870
SP0443	24	<0.5	36	45	<1	2390
SP0444	90	<0.5	19	13	<1	1730
SP0445	31	<0.5	43	47	<1	1520
SP0446	93	<0.5	35	24	<1	830
SP0447	24	<0.5	19	34	<1	2190
SP0448	75	<0.5	27	41	<1	2910
SP0449	60	<0.5	10	10	<1	3800
SP0450	67	<0.5	32	38	<1	3540
SP0451	110	<0.5	28	17	<1	1880
SP0452	164	<0.5	28	12	<1	1270
SP0453	161	<0.5	40	13	<1	810
SP0454	160	<0.5	92	41	<1	520
SP0455	112	<0.5	26	12	<1	810
SP0456	28	<0.5	8	3	<1	2200
SP0457	170	<0.5	52	23	<1	580
SP0458	204	<0.5	64	20	<1	540
SP0459	153	<0.5	48	21	<1	810
SP0460	185	<0.5	63	18	<1	470

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0461	99	<0.5	61	13	<1	1240
SP0462	177	<0.5	74	26	<1	920
SP0463	168	<0.5	80	42	<1	490
SP0464	106	<0.5	59	23	<1	840
SP0465	176	<0.5	42	17	<1	820
SP0466	136	<0.5	68	24	<1	500
SP0467	152	<0.5	54	24	<1	370
SP0468	59	<0.5	16	35	<1	2130
SP0469	10	<0.5	8	2	<1	3650
SP0470	35	<0.5	17	20	<1	4250
SP0471	163	<0.5	35	9	<1	650
SP0472	220	<0.5	81	33	<1	500
SP0473	87	<0.5	33	14	<1	920
SP0474	160	<0.5	75	19	<1	530
SP0475	172	<0.5	53	15	<1	400
SP0476	202	<0.5	30	11	<1	1080
SP0477	195	<0.5	75	32	<1	520
SP0478	41	<0.5	9	9	<1	2290
SP0479	87	<0.5	55	56	<1	1580
SP0480	219	<0.5	12	13	<1	3240
SP0481	57	<0.5	66	71	<1	1920
SP0482	60	<0.5	18	32	<1	3370
SP0483	40	<0.5	14	16	<1	3000
SP0484	136	<0.5	13	17	<1	3580
SP0485	150	<0.5	9	15	<1	1750
SP0486	39	<0.5	28	19	<1	2440
SP0487	63	<0.5	28	35	<1	4560
SP0488	73	<0.5	24	22	<1	2930

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ERVICES_INC.

Submission Number *BBY* RENAISSANCE

GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

ANALYSIS REPORT BBM21-12712

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0489	81	<0.5	22	19	<1	14400
SP0490	99	<0.5	31	39	<1	1190
SP0491	29	<0.5	13	34	<1	5950
SP0492	129	<0.5	35	5	<1	2190
SP0493	111	<0.5	33	14	<1	3800
SP0494	153	<0.5	25	9	<1	1460
SP0495	144	<0.5	30	10	<1	820
SP0496	77	<0.5	21	27	<1	5750
SP0497	4	<0.5	12	5	<1	10200
SP0498	71	<0.5	14	21	<1	9960
SP0499	55	<0.5	21	19	<1	4720
SP0500	130	<0.5	30	9	<1	610
SP0501	111	<0.5	64	46	<1	280
SP0502	104	<0.5	57	21	<1	650
SP0503	128	<0.5	48	22	<1	530
SP0504	34	<0.5	5	2	<1	1460
SP0505	93	<0.5	52	41	<1	1530
SP0506	30	<0.5	6	7	<1	2180
SP0507	89	<0.5	75	50	<1	630
SP0508	155	<0.5	41	11	<1	810
SP0509	121	<0.5	49	24	<1	210
SP0510	93	<0.5	23	15	<1	1230
SP0511	149	<0.5	88	38	<1	570
SP0512	18	<0.5	38	35	<1	2010
SP0513	130	<0.5	54	54	<1	1980
SP0514	18	0.5	8	3	<1	1780
SP0515	<1	5.5	13	3	<1	1230
SP0516	151	0.6	72	27	<1	490

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0517	101	<0.5	24	33	<1	2640
SP0518	79	<0.5	30	27	<1	2020
SP0519	60	<0.5	63	83	<1	2700
SP0520	20	<0.5	8	<1	<1	2470
SP0521	44	<0.5	53	46	<1	1640
SP0522	13	<0.5	37	46	<1	2990
SP0523	25	<0.5	55	84	<1	4190
SP0524	46	<0.5	22	29	<1	3100
SP0525	46	<0.5	9	7	<1	3860
SP0526	95	<0.5	34	41	<1	4190
SP0527	64	<0.5	37	72	<1	5540
SP0528	97	<0.5	27	19	<1	3810
SP0529	63	<0.5	51	43	<1	4560
SP0530	62	<0.5	18	53	<1	7720
SP0531	79	<0.5	25	22	<1	4620
SP0532	83	<0.5	60	81	<1	4890
SP0533	61	<0.5	17	27	<1	9450
SP0534	65	<0.5	46	64	<1	3760
SP0535	26	<0.5	53	25	<1	2550
SP0536	83	<0.5	21	14	<1	5300
SP0537	138	<0.5	26	13	<1	1400
SP0538	100	<0.5	59	31	<1	1780
SP0539	118	<0.5	23	10	<1	5210
SP0540	84	<0.5	31	16	<1	3920
SP0541	90	<0.5	34	16	<1	2640
SP0542	167	<0.5	49	28	<1	180
SP0543	160	<0.5	70	32	<1	200
SP0544	118	<0.5	40	16	<1	1650

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0545	31	<0.5	41	91	<1	3340
SP0546	31	<0.5	13	4	<1	2560
SP0547	168	<0.5	61	34	<1	460
SP0548	85	<0.5	45	31	<1	1530
SP0549	128	<0.5	66	27	<1	320
SP0550	137	<0.5	57	25	<1	380
SP0551	8	0.7	8	3	<1	1240
SP0552	48	<0.5	6	<1	<1	1960
SP0553	130	<0.5	60	32	<1	250
SP0554	99	<0.5	26	28	<1	1680
SP0555	136	<0.5	23	16	<1	640
SP0556	25	<0.5	7	<1	<1	1840
SP0557	87	<0.5	43	13	<1	400
SP0558	2	4.8	<5	<1	<1	1590
SP0559	33	<0.5	13	6	<1	2270
SP0560	136	<0.5	53	20	<1	700
SP0561	156	<0.5	55	18	<1	710
SP0562	138	<0.5	50	26	<1	360
SP0563	193	<0.5	27	12	<1	390
SP0564	155	<0.5	43	20	<1	300
SP0565	183	<0.5	92	22	<1	350
SP0566	146	0.6	91	24	<1	430
SP0567	172	<0.5	39	16	<1	620
SP0568	167	0.5	65	24	<1	570
SP0569	145	<0.5	84	31	<1	430
SP0570	29	<0.5	10	13	<1	1960
SP0571	2	<0.5	14	3	<1	1100
SP0572	180	0.6	112	42	<1	640

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0573	216	0.7	126	46	<1	590
SP0574	171	<0.5	41	19	<1	1890
SP0575	178	<0.5	69	21	<1	620
SP0576	228	<0.5	67	25	<1	1230
SP0577	196	0.6	84	35	<1	440
SP0578	313	0.7	144	32	1	530
SP0579	144	<0.5	76	24	<1	1410
SP0580	65	<0.5	31	17	<1	4620
SP0581	178	<0.5	76	27	<1	1160
SP0582	108	<0.5	39	27	<1	1170
SP0583	100	<0.5	69	48	<1	1390
SP0584	127	<0.5	36	15	<1	1510
SP0585	208	<0.5	80	96	<1	280
SP0586	166	<0.5	73	31	<1	540
SP0587	126	<0.5	59	32	<1	480
SP0588	183	0.7	82	19	<1	590
SP0589	189	<0.5	86	38	<1	460
SP0590	99	<0.5	47	44	<1	2390
SP0591	88	0.6	119	49	<1	1570
SP0592	124	<0.5	88	41	<1	1580
SP0593	166	<0.5	88	36	<1	360
SP0594	130	0.7	113	34	<1	430
SP0595	90	<0.5	33	28	<1	640
SP0596	156	<0.5	15	6	<1	1160
SP0597	130	<0.5	76	35	<1	220
SP0598	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R
SP0599	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R
SP0600	140	<0.5	61	16	<1	3260

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0601	36	<0.5	92	32	<1	1050
SP0602	113	<0.5	113	47	<1	700
SP0603	146	<0.5	111	60	<1	280
SP0604	176	<0.5	122	37	<1	340
SP0605	156	<0.5	70	29	<1	240
SP0606	163	<0.5	92	48	<1	220
SP0607	144	<0.5	16	7	<1	1900
SP0608	124	<0.5	35	13	<1	390
SP0609	108	<0.5	11	8	<1	1240
SP0610	95	<0.5	59	29	<1	300
SP0611	69	<0.5	11	10	<1	1660
SP0612	108	<0.5	44	16	<1	320
SP0613	177	<0.5	102	30	<1	400
SP0614	125	<0.5	117	40	<1	240
SP0615	84	<0.5	10	5	<1	1830
SP0616	130	<0.5	44	19	<1	160
SP0617	129	<0.5	47	20	<1	670
SP0618	129	<0.5	75	18	<1	390
SP0619	178	0.8	82	30	<1	300
SP0620	139	0.6	78	28	<1	250
SP0621	178	0.5	102	39	<1	500
SP0622	156	0.6	90	38	<1	400
SP0623	184	<0.5	65	36	<1	480
SP0624	193	<0.5	47	23	<1	410
SP0625	162	<0.5	50	19	<1	850
SP0626	189	<0.5	28	11	<1	390
SP0627	156	<0.5	29	11	<1	1300
SP0628	137	<0.5	42	22	<1	440

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0629	77	<0.5	80	27	<1	890
SP0630	124	<0.5	59	16	<1	550
SP0631	67	<0.5	10	2	<1	1930
SP0632	135	<0.5	43	25	<1	1020
SP0633	127	<0.5	43	31	<1	850
SP0634	140	<0.5	67	34	<1	600
SP0635	105	<0.5	48	16	<1	470
SP0636	171	<0.5	62	29	<1	600
SP0637	112	<0.5	34	13	<1	640
SP0638	149	<0.5	52	25	<1	920
SP0639	165	<0.5	59	24	<1	620
SP0640	147	<0.5	75	44	<1	540
SP0641	163	<0.5	58	21	<1	580
SP0642	110	<0.5	42	16	<1	710
SP0643	209	<0.5	49	22	<1	600
SP0644	131	<0.5	50	30	<1	330
SP0645	189	<0.5	72	29	<1	340
SP0646	200	<0.5	51	29	<1	290
SP0647	167	<0.5	58	30	<1	460
SP0648	23	<0.5	26	21	<1	3820
SP0649	156	<0.5	73	35	<1	260
SP0650	146	<0.5	64	42	<1	220
SP0651	125	<0.5	55	35	<1	520
*Rep SP0281	28	<0.5	14	12	<1	5290
*Blk BLANK	<1	<0.5	<5	<1	<1	<10
*Rep SP0305	118	<0.5	69	29	<1	370
*Std AMIS0169	250	<0.5	44	54	<1	90
*Rep SP0316	85	<0.5	30	25	<1	2530

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
*Rep SP0333	141	<0.5	91	41	<1	750
*Std AMIS0169	218	0.6	42	50	<1	70
*Rep SP0345	68	<0.5	32	14	<1	760
*Blk BLANK	<1	<0.5	<5	<1	<1	<10
*Rep SP0373	143	<0.5	29	11	<1	810
*Rep SP0381	24	<0.5	50	64	<1	1550
*Rep SP0410	131	<0.5	41	25	1	340
*Std AMIS0169	200	0.6	41	44	1	60
*Rep SP0422	108	<0.5	38	18	<1	480
*Blk BLANK	<1	<0.5	<5	<1	<1	<10
*Rep SP0589	200	0.6	87	39	<1	460
*Blk BLANK	<1	<0.5	<5	<1	<1	<10
*Rep SP0594	130	0.8	118	34	<1	450
*Std AMIS0169	204	0.5	46	50	<1	70
*Rep SP0619	176	0.8	74	30	<1	250
*Blk BLANK	<1	<0.5	<5	<1	<1	<10
*Rep SP0535	27	<0.5	44	23	<1	2320
*Rep SP0545	29	<0.5	37	75	<1	3200
*Rep SP0562	140	<0.5	54	26	<1	360
*Std AMIS0169	208	0.5	44	42	<1	70
*Blk BLANK	<1	<0.5	<5	<1	<1	<10
*Std AMIS0169	200	0.6	45	50	<1	80
*Rep SP0626	198	<0.5	28	11	<1	420
*Blk BLANK	<1	<0.5	<5	<1	<1	<10
*Rep SP0648	24	<0.5	26	19	<1	3850
*Std AMIS0169	201	<0.5	39	47	<1	70
*Blk BLANK	<1	<0.5	<5	<1	<1	<10
*Rep SP0440	122	<0.5	32	17	<1	450

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
*Std AMIS0169	250	0.6	48	55	8	80
*Rep SP0458	191	<0.5	59	20	<1	500
*Rep SP0461	94	<0.5	54	15	<1	1310
*Rep SP0479	86	<0.5	46	57	<1	1560
*Std AMIS0169	200	<0.5	34	37	<1	70
*Rep SP0500	128	<0.5	29	9	<1	550
*Rep SP0511	149	<0.5	85	40	<1	580
*Blk BLANK	<1	<0.5	<5	<1	<1	<10

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0265	<1	2.6	<10	10.0	360	0.2
SP0266	<1	1.8	<10	8.8	130	0.2
SP0267	<1	7.0	<10	26.8	1070	0.6
SP0268	<1	6.4	<10	18.7	630	0.4
SP0269	<1	2.9	<10	12.5	140	0.2
SP0270	<1	3.7	<10	7.6	80	0.1
SP0271	<1	2.7	<10	7.2	100	0.2
SP0272	<1	4.6	<10	15.3	100	0.4
SP0273	<1	8.9	<10	29.7	800	0.2
SP0274	<1	2.7	<10	8.1	220	0.2
SP0275	<1	3.4	<10	10.6	120	0.2
SP0276	<1	1.2	<10	11.9	330	<0.1
SP0277	<1	2.3	<10	10.8	230	0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0278	<1	3.2	<10	14.7	20	0.2
SP0279	<1	2.8	<10	16.8	110	0.2
SP0280	<1	7.9	<10	18.7	20	0.1
SP0281	<1	2.5	<10	11.3	40	0.1
SP0282	<1	1.5	<10	12.0	80	<0.1
SP0283	<1	3.7	<10	20.6	60	0.2
SP0284	<1	1.3	<10	4.6	60	0.1
SP0285	<1	2.2	<10	14.2	420	0.2
SP0286	<1	6.0	<10	21.5	250	0.3
SP0287	<1	6.8	<10	22.5	410	0.3
SP0288	<1	5.3	<10	30.1	960	0.2
SP0289	<1	1.8	<10	11.9	220	0.2
SP0290	<1	1.4	<10	7.8	60	0.1
SP0291	<1	0.5	<10	2.2	20	0.1
SP0292	<1	0.2	<10	0.8	30	0.1
SP0293	<1	5.4	<10	11.6	20	<0.1
SP0294	<1	3.9	<10	18.7	350	0.2
SP0295	<1	2.8	<10	12.3	130	0.2
SP0296	<1	4.0	<10	18.2	410	0.2
SP0297	<1	3.3	<10	12.8	320	0.2
SP0298	<1	1.8	<10	12.6	480	0.2
SP0299	<1	3.1	<10	10.4	120	0.2
SP0300	<1	11.6	<10	7.4	20	0.6
SP0301	<1	5.6	<10	2.6	<10	0.2
SP0302	<1	8.1	<10	19.7	310	0.4
SP0303	<1	5.9	<10	13.4	220	0.3
SP0304	<1	3.3	<10	9.9	150	0.5
SP0305	<1	5.9	<10	13.7	200	0.4

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0306	<1	2.1	<10	13.1	240	0.1
SP0307	<1	8.7	<10	16.1	210	0.1
SP0308	<1	4.0	<10	7.2	20	<0.1
SP0309	<1	4.3	<10	12.0	20	<0.1
SP0310	<1	4.5	<10	14.7	20	<0.1
SP0311	<1	9.6	<10	24.1	10	<0.1
SP0312	<1	3.1	<10	8.7	180	0.2
SP0313	<1	14.6	<10	37.8	20	0.2
SP0314	<1	4.9	<10	20.8	330	0.3
SP0315	<1	5.9	<10	20.6	160	0.3
SP0316	<1	4.4	<10	12.5	50	0.2
SP0317	<1	7.1	<10	25.4	870	0.2
SP0318	<1	6.4	<10	12.3	60	0.2
SP0319	<1	20.4	<10	11.6	50	0.5
SP0320	<1	1.7	<10	3.6	50	0.2
SP0321	<1	13.0	<10	24.8	20	<0.1
SP0322	<1	10.5	<10	35.7	740	0.2
SP0323	<1	1.4	<10	9.3	40	0.3
SP0324	<1	8.0	<10	6.0	20	0.1
SP0325	<1	4.4	<10	15.0	30	0.1
SP0326	<1	3.1	<10	12.0	40	0.1
SP0327	<1	2.2	<10	12.6	70	0.2
SP0328	<1	2.4	<10	7.7	40	0.1
SP0329	<1	3.1	<10	11.2	30	0.1
SP0330	<1	3.2	<10	11.4	70	0.2
SP0331	<1	2.4	<10	7.4	50	0.3
SP0332	<1	7.4	<10	18.1	440	0.3
SP0333	<1	7.2	<10	17.6	460	0.4

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0334	<1	6.2	<10	12.6	170	0.2
SP0335	<1	5.7	<10	8.7	20	<0.1
SP0336	<1	13.8	<10	13.4	240	0.2
SP0337	<1	2.4	<10	1.4	<10	0.1
SP0338	<1	13.2	<10	21.8	50	0.1
SP0339	<1	7.6	<10	8.0	<10	0.1
SP0340	<1	13.4	<10	7.9	<10	<0.1
SP0341	<1	2.5	<10	5.3	60	0.1
SP0342	<1	3.2	<10	11.1	370	<0.1
SP0343	<1	3.4	<10	16.7	320	0.2
SP0344	<1	5.8	<10	10.6	120	<0.1
SP0345	<1	2.2	<10	12.3	240	0.1
SP0346	<1	1.5	<10	9.2	20	<0.1
SP0347	<1	9.2	<10	11.4	250	0.1
SP0348	<1	3.4	<10	10.7	140	<0.1
SP0349	<1	1.3	<10	6.0	50	<0.1
SP0350	<1	3.5	<10	9.1	140	0.1
SP0351	<1	3.2	<10	13.6	350	0.2
SP0352	<1	2.6	<10	13.1	540	0.2
SP0353	<1	0.6	<10	1.7	20	<0.1
SP0354	<1	3.8	<10	9.2	150	0.2
SP0355	<1	4.3	<10	12.6	230	0.3
SP0356	<1	7.6	<10	8.8	40	<0.1
SP0357	<1	1.6	<10	6.4	20	<0.1
SP0358	<1	15.4	<10	13.6	80	<0.1
SP0359	<1	3.0	<10	5.4	130	<0.1
SP0360	<1	3.3	<10	9.0	140	<0.1
SP0361	<1	2.1	<10	7.5	150	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0362	<1	1.6	<10	6.6	40	<0.1
SP0363	<1	5.3	<10	12.8	270	0.2
SP0364	<1	1.4	<10	11.0	210	<0.1
SP0365	<1	1.8	<10	6.1	80	<0.1
SP0366	<1	2.0	<10	7.6	220	0.2
SP0367	<1	2.0	<10	8.9	100	0.1
SP0368	<1	3.5	<10	9.8	210	0.1
SP0369	<1	2.4	<10	6.3	50	0.2
SP0370	<1	7.0	<10	10.4	90	0.2
SP0371	<1	3.1	<10	5.7	40	0.2
SP0372	<1	4.6	<10	16.5	390	0.2
SP0373	<1	2.1	<10	4.3	60	0.1
SP0374	<1	2.5	<10	2.4	10	<0.1
SP0375	<1	4.3	<10	14.3	1030	0.2
SP0376	<1	6.6	<10	18.8	20	<0.1
SP0377	<1	5.4	<10	21.6	520	0.2
SP0378	<1	7.3	<10	12.0	30	<0.1
SP0379	<1	4.8	<10	11.5	20	<0.1
SP0380	<1	4.3	<10	11.7	20	<0.1
SP0381	<1	11.9	<10	21.7	20	<0.1
SP0382	<1	3.4	<10	15.4	140	0.1
SP0383	<1	3.9	<10	13.6	80	<0.1
SP0384	<1	1.7	<10	4.1	20	<0.1
SP0385	<1	1.1	<10	11.0	60	<0.1
SP0386	<1	6.1	<10	14.9	100	0.2
SP0387	<1	1.5	<10	11.0	80	0.2
SP0388	<1	3.4	<10	8.1	60	0.1
SP0389	<1	1.2	<10	9.2	60	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0390	<1	4.9	<10	23.9	640	0.2
SP0391	<1	2.9	<10	17.9	350	0.1
SP0392	<1	4.7	<10	13.5	270	0.2
SP0393	<1	0.2	<10	0.6	40	0.7
SP0394	<1	2.7	<10	10.6	80	<0.1
SP0395	<1	5.0	<10	10.7	190	0.2
SP0396	<1	0.9	<10	2.3	30	0.2
SP0397	<1	5.9	<10	11.6	280	0.3
SP0398	<1	4.3	<10	19.4	700	0.2
SP0399	<1	5.0	<10	15.2	430	0.2
SP0400	<1	2.7	<10	10.7	150	0.2
SP0401	<1	3.7	<10	12.8	170	0.2
SP0402	<1	6.5	<10	21.5	550	0.2
SP0403	<1	2.1	<10	8.3	160	0.1
SP0404	<1	2.8	<10	14.2	240	0.1
SP0405	<1	1.9	<10	7.2	190	0.2
SP0406	<1	4.0	<10	11.1	230	0.2
SP0407	<1	5.9	<10	18.9	310	0.3
SP0408	<1	4.0	<10	25.7	990	0.3
SP0409	<1	6.0	<10	20.9	250	0.3
SP0410	<1	3.5	<10	17.0	320	0.2
SP0411	<1	3.7	<10	18.0	350	0.2
SP0412	<1	1.4	<10	9.7	290	0.1
SP0413	<1	3.8	<10	13.9	460	0.2
SP0414	<1	2.9	<10	12.7	380	0.2
SP0415	<1	3.5	<10	6.1	60	0.1
SP0416	<1	2.0	<10	13.3	520	0.2
SP0417	<1	1.3	<10	4.0	10	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0418	<1	1.7	<10	12.1	60	0.1
SP0419	<1	2.1	<10	12.3	130	0.1
SP0420	<1	2.6	<10	10.3	320	0.2
SP0421	<1	1.4	<10	9.3	90	<0.1
SP0422	<1	2.8	<10	14.5	410	0.2
SP0423	<1	3.6	<10	21.7	470	0.1
SP0424	<1	1.8	<10	11.3	190	0.1
SP0425	<1	2.6	<10	5.0	20	0.2
SP0426	<1	5.5	<10	11.7	300	0.2
SP0427	<1	2.7	<10	8.7	110	0.1
SP0428	<1	2.5	<10	11.6	290	0.2
SP0429	<1	3.7	<10	17.6	720	0.2
SP0430	<1	3.7	<10	14.5	100	0.1
SP0431	<1	2.3	<10	6.6	20	0.1
SP0432	<1	2.5	<10	12.8	350	0.2
SP0433	<1	1.6	<10	6.4	140	0.1
SP0434	<1	9.2	<10	11.5	80	0.4
SP0435	<1	0.8	<10	2.3	50	0.1
SP0436	<1	3.4	<10	10.6	210	0.1
SP0437	<1	4.6	<10	12.4	350	0.1
SP0438	<1	3.9	<10	14.0	660	0.2
SP0439	<1	2.2	<10	5.4	20	<0.1
SP0440	<1	3.7	<10	8.6	120	0.2
SP0441	<1	4.3	<10	9.1	90	0.2
SP0442	<1	3.0	<10	8.5	50	0.1
SP0443	<1	7.9	<10	14.5	30	<0.1
SP0444	<1	2.0	<10	8.9	130	0.1
SP0445	<1	8.2	<10	13.4	50	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0446	<1	3.7	<10	4.7	140	0.1
SP0447	<1	8.0	<10	11.1	10	<0.1
SP0448	<1	5.9	<10	23.6	50	<0.1
SP0449	<1	2.0	<10	3.7	20	<0.1
SP0450	<1	6.1	<10	21.9	30	<0.1
SP0451	<1	2.6	<10	9.7	50	<0.1
SP0452	<1	2.5	<10	5.3	160	<0.1
SP0453	<1	2.5	<10	10.3	270	0.1
SP0454	<1	9.1	<10	21.2	590	0.2
SP0455	<1	2.7	<10	6.9	150	<0.1
SP0456	<1	1.1	<10	0.7	<10	<0.1
SP0457	<1	4.0	<10	12.7	510	0.2
SP0458	<1	4.9	<10	10.7	160	0.2
SP0459	<1	4.4	<10	16.8	480	0.2
SP0460	<1	3.6	<10	9.3	220	0.2
SP0461	<1	3.5	<10	12.4	360	0.2
SP0462	<1	5.0	<10	9.5	160	0.2
SP0463	<1	9.7	<10	9.6	80	0.3
SP0464	<1	4.4	<10	13.9	300	0.1
SP0465	<1	3.1	<10	10.3	140	<0.1
SP0466	<1	4.3	<10	14.5	560	0.2
SP0467	<1	4.2	<10	15.9	560	0.1
SP0468	<1	6.2	<10	10.8	20	0.2
SP0469	<1	0.6	<10	<0.5	<10	<0.1
SP0470	<1	4.1	<10	8.9	20	0.1
SP0471	<1	1.6	<10	10.7	640	0.3
SP0472	<1	6.0	<10	11.6	490	0.5
SP0473	<1	2.4	<10	8.2	290	0.2

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0474	<1	3.1	<10	25.1	1560	0.3
SP0475	<1	2.7	<10	10.7	340	0.3
SP0476	<1	1.8	<10	12.3	250	0.1
SP0477	<1	7.0	<10	19.2	410	0.2
SP0478	<1	2.5	<10	1.4	<10	0.2
SP0479	<1	9.2	<10	11.4	90	0.2
SP0480	<1	1.9	<10	5.6	20	0.2
SP0481	<1	11.8	<10	23.0	80	<0.1
SP0482	<1	5.3	<10	16.4	10	<0.1
SP0483	<1	2.7	<10	13.0	20	<0.1
SP0484	<1	2.4	<10	15.1	60	0.2
SP0485	<1	1.9	<10	5.8	50	<0.1
SP0486	<1	2.9	<10	14.9	60	<0.1
SP0487	<1	5.6	<10	15.1	30	0.1
SP0488	<1	3.2	<10	8.7	50	<0.1
SP0489	<1	3.4	<10	10.4	20	0.1
SP0490	<1	5.8	<10	11.8	230	<0.1
SP0491	<1	5.3	<10	12.4	20	<0.1
SP0492	<1	1.2	<10	2.8	100	0.2
SP0493	<1	2.4	<10	5.6	140	0.1
SP0494	<1	1.4	<10	8.5	140	<0.1
SP0495	<1	1.5	<10	6.9	460	0.2
SP0496	<1	4.6	<10	16.7	20	<0.1
SP0497	<1	1.4	<10	0.8	10	<0.1
SP0498	<1	4.6	<10	5.1	<10	0.1
SP0499	<1	2.9	<10	15.3	30	<0.1
SP0500	<1	1.5	<10	9.7	300	0.1
SP0501	<1	7.5	<10	22.5	990	0.2

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0502	<1	3.3	<10	21.3	560	0.1
SP0503	<1	3.6	<10	13.1	450	0.2
SP0504	<1	0.4	<10	0.9	<10	0.1
SP0505	<1	6.4	<10	11.2	280	0.2
SP0506	<1	1.4	<10	1.8	<10	<0.1
SP0507	<1	8.9	<10	10.2	230	0.2
SP0508	<1	2.5	<10	9.2	390	0.1
SP0509	<1	3.8	<10	12.0	470	0.3
SP0510	<1	2.2	<10	7.9	100	0.1
SP0511	<1	5.7	<10	13.1	450	0.3
SP0512	<1	6.0	<10	15.0	250	<0.1
SP0513	<1	8.3	<10	7.4	80	0.4
SP0514	<1	0.7	<10	1.2	10	0.1
SP0515	<1	0.6	<10	2.3	300	<0.1
SP0516	<1	3.8	<10	18.1	740	0.3
SP0517	<1	4.5	<10	26.6	90	0.1
SP0518	<1	4.1	<10	18.6	60	<0.1
SP0519	<1	15.1	<10	28.3	20	0.2
SP0520	<1	0.1	<10	0.8	10	<0.1
SP0521	<1	7.1	<10	13.7	70	0.1
SP0522	<1	9.1	<10	8.6	10	<0.1
SP0523	<1	16.9	<10	16.9	20	0.1
SP0524	<1	5.0	<10	13.7	10	<0.1
SP0525	<1	1.9	<10	2.0	<10	0.2
SP0526	<1	7.3	<10	21.9	20	0.3
SP0527	<1	12.4	<10	21.4	30	0.1
SP0528	<1	3.4	<10	11.9	40	0.1
SP0529	<1	7.5	<10	22.7	30	0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0530	<1	10.0	<10	14.0	20	<0.1
SP0531	<1	4.0	<10	12.6	40	0.1
SP0532	<1	13.8	<10	35.8	30	0.2
SP0533	<1	5.4	<10	12.7	20	0.1
SP0534	<1	10.3	<10	34.3	20	0.2
SP0535	<1	4.6	<10	19.6	40	<0.1
SP0536	<1	2.3	<10	21.4	10	0.2
SP0537	<1	2.0	<10	4.6	40	0.1
SP0538	<1	4.9	<10	20.3	200	0.1
SP0539	<1	1.7	<10	13.2	20	0.2
SP0540	<1	2.8	<10	16.9	20	0.1
SP0541	<1	2.8	<10	12.1	60	0.2
SP0542	<1	4.9	<10	13.7	380	0.4
SP0543	<1	5.1	<10	15.2	560	0.3
SP0544	<1	3.1	<10	4.0	30	0.1
SP0545	<1	18.3	<10	7.8	10	<0.1
SP0546	<1	1.7	<10	3.7	<10	0.1
SP0547	<1	5.3	<10	11.3	410	0.2
SP0548	<1	5.0	<10	10.6	150	0.2
SP0549	<1	4.6	<10	20.1	880	0.2
SP0550	<1	4.0	<10	15.4	670	0.3
SP0551	<1	0.7	<10	0.9	10	0.3
SP0552	<1	0.2	<10	1.1	10	<0.1
SP0553	<1	4.9	<10	22.5	1570	0.3
SP0554	<1	4.3	<10	14.8	50	<0.1
SP0555	<1	2.2	<10	8.9	270	0.2
SP0556	<1	0.5	<10	0.6	20	0.1
SP0557	<1	2.2	<10	13.0	540	0.2

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0558	<1	0.1	<10	0.7	50	0.1
SP0559	<1	1.1	<10	1.5	10	<0.1
SP0560	<1	3.7	<10	13.5	400	0.1
SP0561	<1	3.1	<10	16.7	840	0.2
SP0562	<1	3.9	<10	15.3	540	0.4
SP0563	<1	2.2	<10	7.8	200	0.2
SP0564	<1	3.3	<10	7.4	80	0.2
SP0565	<1	3.9	<10	26.5	1530	0.2
SP0566	<1	4.8	<10	25.2	1010	0.2
SP0567	<1	2.6	<10	10.9	550	0.2
SP0568	<1	3.8	<10	17.1	740	0.3
SP0569	<1	6.3	<10	20.0	650	0.3
SP0570	<1	1.9	<10	5.7	30	0.1
SP0571	<1	0.6	<10	1.4	120	<0.1
SP0572	<1	6.7	<10	36.9	1850	0.3
SP0573	<1	9.1	<10	28.2	1510	0.5
SP0574	<1	3.7	<10	12.9	170	0.2
SP0575	<1	4.0	<10	23.4	980	0.3
SP0576	<1	4.8	<10	21.7	1110	0.3
SP0577	<1	6.0	<10	28.0	1600	0.4
SP0578	<1	6.4	<10	31.9	2390	0.4
SP0579	<1	4.0	<10	18.9	610	0.3
SP0580	<1	2.9	<10	17.4	30	0.1
SP0581	<1	4.4	<10	9.0	80	0.3
SP0582	<1	3.9	<10	21.1	730	0.3
SP0583	<1	7.6	<10	23.2	580	0.2
SP0584	<1	2.2	<10	20.6	640	0.2
SP0585	<1	15.3	<10	24.3	770	0.5

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0586	<1	5.1	<10	22.9	810	0.3
SP0587	<1	4.6	<10	18.3	840	0.3
SP0588	<1	3.1	<10	25.5	1340	0.4
SP0589	<1	6.2	<10	23.9	840	0.4
SP0590	<1	7.4	<10	10.8	50	0.1
SP0591	<1	8.2	<10	30.9	1130	0.2
SP0592	<1	7.7	<10	21.2	500	0.2
SP0593	<1	7.2	<10	18.9	390	0.4
SP0594	<1	6.1	<10	23.7	1050	0.2
SP0595	<1	4.6	<10	9.1	70	0.2
SP0596	<1	1.0	<10	4.7	130	0.1
SP0597	<1	6.1	<10	18.5	600	0.2
SP0598	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R
SP0599	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R
SP0600	<1	2.6	<10	14.6	390	<0.1
SP0601	<1	5.0	<10	20.3	1220	<0.1
SP0602	<1	11.3	<10	17.0	490	0.2
SP0603	<1	9.0	<10	21.1	670	0.5
SP0604	<1	6.3	<10	25.0	1200	0.4
SP0605	<1	4.0	<10	17.9	1370	0.4
SP0606	<1	7.2	<10	19.6	790	0.4
SP0607	<1	1.1	<10	8.5	140	0.1
SP0608	<1	2.2	<10	10.4	510	0.2
SP0609	<1	1.2	<10	5.3	50	<0.1
SP0610	<1	5.6	<10	22.2	710	0.2
SP0611	<1	1.6	<10	7.0	50	<0.1
SP0612	<1	2.5	<10	14.8	770	0.1
SP0613	<1	5.4	<10	26.7	1510	0.4

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0614	<1	6.3	<10	30.1	1110	0.4
SP0615	<1	0.9	<10	3.4	30	0.2
SP0616	<1	2.8	<10	17.9	490	0.2
SP0617	<1	3.8	<10	8.0	220	0.2
SP0618	<1	4.0	<10	22.8	840	0.3
SP0619	<1	5.3	<10	31.8	1320	0.3
SP0620	<1	5.1	<10	25.4	1350	0.3
SP0621	<1	7.7	<10	25.4	730	0.3
SP0622	<1	7.1	<10	28.3	1040	0.3
SP0623	<1	5.8	<10	13.7	150	0.2
SP0624	<1	3.8	<10	14.1	310	0.3
SP0625	<1	3.5	<10	17.2	650	0.3
SP0626	<1	1.9	<10	13.2	350	0.1
SP0627	<1	2.1	<10	10.7	330	0.2
SP0628	<1	4.0	<10	26.0	930	0.2
SP0629	<1	4.7	<10	16.0	640	0.2
SP0630	<1	3.0	<10	21.4	1420	0.3
SP0631	<1	0.6	<10	1.3	<10	0.1
SP0632	<1	4.0	<10	16.0	450	0.2
SP0633	<1	5.7	<10	10.7	180	0.2
SP0634	<1	5.5	<10	21.8	740	0.2
SP0635	<1	3.3	<10	18.0	930	0.3
SP0636	<1	6.2	<10	20.8	520	0.3
SP0637	<1	2.6	<10	16.6	720	0.1
SP0638	<1	4.6	<10	18.9	500	0.2
SP0639	<1	4.1	<10	26.8	1120	0.3
SP0640	<1	7.9	<10	18.7	520	0.3
SP0641	<1	3.9	<10	24.9	1390	0.3

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0642	<1	2.5	<10	16.3	570	0.1
SP0643	<1	3.6	<10	15.8	460	0.2
SP0644	<1	5.3	<10	19.9	760	0.2
SP0645	<1	4.9	<10	19.0	850	0.3
SP0646	<1	4.7	<10	14.1	390	0.2
SP0647	<1	4.9	<10	20.1	510	0.3
SP0648	<1	3.8	<10	3.3	<10	0.1
SP0649	<1	6.4	<10	16.8	500	0.3
SP0650	<1	7.4	<10	17.3	400	0.3
SP0651	<1	5.9	<10	29.7	810	0.2
*Rep SP0281	<1	2.1	<10	9.6	50	0.1
*Blk BLANK	1	<0.1	<10	<0.5	<10	<0.1
*Rep SP0305	<1	6.0	<10	14.2	220	0.4
*Std AMIS0169	<1	4.8	<10	56.8	280	1.4
*Rep SP0316	<1	4.4	<10	10.1	40	0.2
*Rep SP0333	<1	6.4	<10	17.6	550	0.4
*Std AMIS0169	<1	4.2	<10	52.0	270	1.2
*Rep SP0345	<1	2.6	<10	11.8	220	<0.1
*Blk BLANK	<1	<0.1	<10	<0.5	<10	<0.1
*Rep SP0373	<1	2.1	<10	4.3	50	0.1
*Rep SP0381	<1	11.4	<10	22.4	20	<0.1
*Rep SP0410	<1	3.6	<10	17.0	340	0.2
*Std AMIS0169	<1	4.1	<10	51.4	250	1.0
*Rep SP0422	<1	2.6	<10	13.9	420	0.2
*Blk BLANK	<1	<0.1	<10	<0.5	<10	<0.1
*Rep SP0589	<1	6.2	<10	24.5	860	0.4
*Blk BLANK	<1	<0.1	<10	<0.5	<10	<0.1
*Rep SP0594	<1	5.9	<10	23.0	1110	0.3

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
*Std AMIS0169	<1	4.7	<10	56.0	330	1.3
*Rep SP0619	<1	5.3	<10	30.2	1360	0.3
*Blk BLANK	<1	<0.1	<10	<0.5	<10	<0.1
*Rep SP0535	<1	3.8	<10	19.5	40	<0.1
*Rep SP0545	<1	14.8	<10	7.8	10	<0.1
*Rep SP0562	<1	4.2	<10	15.6	560	0.2
*Std AMIS0169	<1	4.1	<10	47.6	280	1.2
*Blk BLANK	<1	<0.1	<10	<0.5	<10	<0.1
*Std AMIS0169	<1	4.3	<10	55.7	290	1.3
*Rep SP0626	<1	2.2	<10	14.6	340	0.2
*Blk BLANK	<1	<0.1	<10	<0.5	<10	<0.1
*Rep SP0648	<1	3.4	<10	3.0	<10	<0.1
*Std AMIS0169	<1	4.1	<10	54.2	260	1.1
*Blk BLANK	<1	<0.1	<10	<0.5	<10	<0.1
*Rep SP0440	<1	3.6	<10	9.1	130	0.2
*Std AMIS0169	<1	4.9	<10	57.9	310	1.1
*Rep SP0458	<1	4.5	<10	10.5	170	0.1
*Rep SP0461	<1	4.1	<10	11.4	230	0.2
*Rep SP0479	<1	8.9	<10	12.6	130	0.2
*Std AMIS0169	<1	3.6	<10	41.2	240	1.1
*Rep SP0500	<1	1.6	<10	10.4	340	0.1
*Rep SP0511	<1	5.9	<10	13.3	430	0.3
*Blk BLANK	<1	<0.1	<10	<0.5	<10	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0265	14.7	<0.5	78	6.6	80	184
SP0266	12.4	<0.5	50	4.3	60	126
SP0267	22.1	0.9	192	16.2	100	542
SP0268	19.7	<0.5	182	14.2	100	331
SP0269	17.4	<0.5	84	5.9	120	165
SP0270	17.2	<0.5	135	12.3	520	123
SP0271	15.5	<0.5	103	8.8	90	117
SP0272	21.1	<0.5	114	9.9	90	134
SP0273	27.0	<0.5	260	19.4	170	412
SP0274	15.2	<0.5	79	6.5	450	125
SP0275	18.6	<0.5	106	9.3	70	154
SP0276	9.3	<0.5	33	2.7	40	140
SP0277	13.9	<0.5	62	5.2	590	161
SP0278	25.9	1.3	89	6.1	420	164
SP0279	15.6	1.3	84	6.9	300	142
SP0280	39.3	1.4	213	16.9	240	77
SP0281	16.5	1.2	64	4.6	890	44
SP0282	10.8	1.2	48	3.9	270	66
SP0283	13.4	0.9	90	8.0	540	149
SP0284	9.8	0.8	33	2.8	560	45
SP0285	12.0	1.0	55	4.8	170	162
SP0286	25.2	0.9	180	15.9	220	300
SP0287	24.8	1.0	216	20.7	120	367
SP0288	21.8	1.3	148	12.8	180	431
SP0289	11.0	0.8	51	4.2	170	125
SP0290	6.2	0.8	37	3.1	100	60
SP0291	10.7	0.7	18	1.8	420	27
SP0292	6.4	0.9	4	0.4	720	14

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils

Number of Samples 387

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0293	17.5	0.6	161	12.4	350	43
SP0294	17.8	0.9	86	7.4	230	243
SP0295	20.1	0.6	70	5.7	210	165
SP0296	19.1	0.8	106	8.8	630	230
SP0297	18.1	0.6	83	7.3	310	183
SP0298	10.3	0.7	43	3.7	320	132
SP0299	15.2	0.8	95	8.0	330	146
SP0300	34.0	0.7	571	40.0	210	101
SP0301	8.1	0.7	227	12.3	70	28
SP0302	25.9	0.8	241	18.4	40	341
SP0303	19.4	0.6	172	13.7	100	211
SP0304	20.7	0.6	104	9.4	130	195
SP0305	20.3	0.6	205	18.0	280	199
SP0306	13.4	0.5	57	4.6	290	177
SP0307	23.3	0.6	218	16.9	680	222
SP0308	16.2	0.5	111	8.3	110	55
SP0309	23.7	<0.5	113	7.8	190	66
SP0310	17.3	<0.5	102	7.1	60	105
SP0311	45.7	0.7	254	22.7	300	64
SP0312	16.7	0.9	87	7.5	740	104
SP0313	44.4	0.7	397	26.2	710	63
SP0314	25.6	0.7	127	11.3	1480	294
SP0315	23.3	0.7	133	10.4	220	253
SP0316	20.9	<0.5	128	10.0	420	111
SP0317	20.4	0.8	184	15.5	160	360
SP0318	14.2	<0.5	213	16.2	350	121
SP0319	36.6	0.7	587	44.3	50	259
SP0320	9.6	<0.5	64	5.3	200	46

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0321	27.4	0.7	442	34.6	130	84
SP0322	16.8	1.3	292	22.3	140	362
SP0323	19.9	0.6	32	2.6	460	94
SP0324	23.2	<0.5	228	14.2	300	54
SP0325	22.8	<0.5	94	8.0	140	203
SP0326	17.0	<0.5	79	6.2	930	120
SP0327	15.0	<0.5	59	4.9	140	146
SP0328	12.1	<0.5	57	4.5	740	84
SP0329	11.0	<0.5	77	6.3	90	87
SP0330	15.9	<0.5	89	6.4	320	140
SP0331	11.8	<0.5	63	4.8	200	90
SP0332	21.8	<0.5	203	16.5	150	305
SP0333	19.6	<0.5	214	16.7	190	302
SP0334	10.9	<0.5	174	12.7	650	125
SP0335	13.8	<0.5	159	11.8	400	63
SP0336	26.1	<0.5	391	28.9	480	236
SP0337	3.8	<0.5	121	6.7	80	15
SP0338	31.3	<0.5	392	24.5	230	163
SP0339	18.4	<0.5	252	18.5	130	31
SP0340	9.3	<0.5	407	23.2	60	34
SP0341	7.2	<0.5	69	5.7	930	41
SP0342	10.4	<0.5	75	6.3	780	141
SP0343	13.1	<0.5	112	10.2	680	161
SP0344	15.9	<0.5	179	14.2	580	114
SP0345	10.3	<0.5	63	5.4	480	120
SP0346	9.1	<0.5	39	2.9	80	55
SP0347	11.6	<0.5	253	19.0	360	125
SP0348	13.5	<0.5	82	7.2	1000	118

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0349	6.1	<0.5	39	3.3	610	45
SP0350	9.8	<0.5	114	8.7	480	94
SP0351	12.4	<0.5	97	8.1	230	142
SP0352	9.1	<0.5	86	6.4	170	142
SP0353	12.8	<0.5	19	1.4	210	17
SP0354	16.1	<0.5	116	8.3	210	159
SP0355	14.4	<0.5	146	11.8	160	174
SP0356	13.9	<0.5	213	13.3	80	78
SP0357	9.0	<0.5	45	3.2	240	54
SP0358	8.3	<0.5	404	41.7	510	87
SP0359	9.9	<0.5	98	8.0	1460	75
SP0360	9.8	<0.5	97	6.6	210	88
SP0361	8.7	<0.5	53	4.0	450	71
SP0362	9.3	<0.5	45	3.6	830	47
SP0363	15.8	<0.5	137	10.4	280	171
SP0364	9.3	<0.5	40	3.3	250	105
SP0365	11.3	<0.5	52	4.3	400	80
SP0366	9.6	<0.5	61	4.9	230	97
SP0367	11.3	<0.5	55	4.9	750	99
SP0368	11.9	<0.5	127	10.1	240	146
SP0369	12.4	<0.5	69	5.9	90	95
SP0370	18.2	<0.5	225	17.2	150	179
SP0371	16.5	<0.5	96	7.1	110	96
SP0372	16.2	<0.5	174	13.8	1190	218
SP0373	11.5	<0.5	85	6.0	580	73
SP0374	26.0	<0.5	126	7.6	110	15
SP0375	11.0	0.6	172	15.4	1490	240
SP0376	14.9	<0.5	175	13.0	450	81

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0377	16.4	<0.5	143	12.9	1410	242
SP0378	14.8	<0.5	237	18.7	220	84
SP0379	13.8	<0.5	137	11.2	530	40
SP0380	11.3	<0.5	149	12.7	560	54
SP0381	22.5	<0.5	397	30.7	160	100
SP0382	11.4	<0.5	89	7.1	340	142
SP0383	9.4	<0.5	99	8.5	1090	104
SP0384	12.2	<0.5	45	3.7	840	22
SP0385	11.0	<0.5	27	2.1	730	50
SP0386	17.5	<0.5	151	12.0	950	125
SP0387	10.5	<0.5	36	2.7	870	90
SP0388	10.3	<0.5	77	6.8	410	80
SP0389	6.5	<0.5	27	2.3	840	44
SP0390	19.3	<0.5	165	13.1	230	302
SP0391	11.9	<0.5	78	6.2	370	163
SP0392	16.3	<0.5	152	11.8	280	213
SP0393	48.3	<0.5	13	1.2	70	11
SP0394	9.1	<0.5	85	6.5	240	46
SP0395	20.9	<0.5	136	11.3	400	159
SP0396	12.3	<0.5	37	3.2	520	14
SP0397	19.8	<0.5	184	15.7	70	274
SP0398	14.4	0.6	115	10.5	240	293
SP0399	17.7	<0.5	150	11.1	450	266
SP0400	14.0	<0.5	74	5.9	260	117
SP0401	14.5	<0.5	116	9.6	330	151
SP0402	15.1	<0.5	179	15.1	1020	291
SP0403	9.9	<0.5	60	5.2	390	80
SP0404	12.1	<0.5	78	6.2	430	128

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0405	14.8	<0.5	61	5.0	200	128
SP0406	14.9	<0.5	147	12.0	240	158
SP0407	20.7	<0.5	160	13.2	70	308
SP0408	13.5	<0.5	117	10.5	180	415
SP0409	19.6	<0.5	191	16.4	270	280
SP0410	13.1	<0.5	90	8.1	100	280
SP0411	14.5	<0.5	102	9.0	200	260
SP0412	10.5	<0.5	41	3.3	450	130
SP0413	13.0	<0.5	125	10.9	670	189
SP0414	16.1	<0.5	86	6.9	440	215
SP0415	9.5	<0.5	125	9.4	150	54
SP0416	10.6	<0.5	55	4.5	100	175
SP0417	5.2	<0.5	38	3.2	120	20
SP0418	8.8	<0.5	44	3.5	160	73
SP0419	8.3	<0.5	49	4.5	480	94
SP0420	13.2	<0.5	73	6.0	350	173
SP0421	8.3	<0.5	33	3.0	400	87
SP0422	14.5	<0.5	74	6.7	220	283
SP0423	11.6	<0.5	82	7.2	220	215
SP0424	10.4	<0.5	46	4.1	570	131
SP0425	10.7	<0.5	84	6.4	230	35
SP0426	15.1	<0.5	198	17.9	530	179
SP0427	14.5	<0.5	87	7.2	260	121
SP0428	13.6	<0.5	83	7.0	680	129
SP0429	15.8	0.5	112	8.7	180	270
SP0430	12.4	<0.5	106	8.9	180	119
SP0431	9.2	<0.5	85	5.7	130	35
SP0432	12.2	<0.5	85	6.9	240	136

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0433	10.1	<0.5	55	4.3	780	80
SP0434	21.3	<0.5	339	30.1	140	186
SP0435	9.3	<0.5	27	2.2	260	35
SP0436	15.8	<0.5	124	10.9	490	170
SP0437	17.2	<0.5	145	12.2	370	199
SP0438	10.9	<0.5	127	9.8	400	197
SP0439	8.4	<0.5	74	5.6	100	25
SP0440	12.3	<0.5	159	13.3	370	116
SP0441	18.2	<0.5	132	11.5	190	160
SP0442	12.6	<0.5	87	7.7	460	86
SP0443	15.8	<0.5	241	18.2	120	84
SP0444	7.7	<0.5	52	4.7	220	87
SP0445	14.9	<0.5	269	20.7	160	107
SP0446	15.4	<0.5	128	10.3	300	100
SP0447	5.9	<0.5	225	16.4	190	18
SP0448	15.3	<0.5	152	9.7	1370	79
SP0449	34.7	<0.5	64	4.5	240	34
SP0450	18.1	<0.5	173	13.9	560	76
SP0451	13.0	<0.5	78	6.3	370	88
SP0452	10.7	<0.5	98	8.3	1310	52
SP0453	12.9	<0.5	94	7.5	540	141
SP0454	17.1	<0.5	333	23.1	140	228
SP0455	9.6	<0.5	116	8.1	260	64
SP0456	7.0	<0.5	61	5.7	20	6
SP0457	14.0	<0.5	130	9.8	130	216
SP0458	11.9	<0.5	201	15.3	280	118
SP0459	15.1	<0.5	176	12.3	600	192
SP0460	15.4	<0.5	137	10.7	140	152

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0461	10.1	<0.5	174	19.1	1930	126
SP0462	20.6	<0.5	152	12.6	220	180
SP0463	21.4	<0.5	429	34.2	90	149
SP0464	16.6	<0.5	158	13.3	360	196
SP0465	13.8	<0.5	104	8.4	390	125
SP0466	16.7	<0.5	150	12.7	280	250
SP0467	17.8	<0.5	109	10.2	80	275
SP0468	12.8	<0.5	234	13.6	110	52
SP0469	4.5	<0.5	28	2.7	<10	8
SP0470	35.9	<0.5	124	9.3	130	64
SP0471	11.3	<0.5	66	5.9	1790	134
SP0472	22.9	0.7	232	19.1	170	208
SP0473	19.9	<0.5	85	7.0	150	97
SP0474	11.3	0.6	86	7.6	440	328
SP0475	16.2	<0.5	77	7.2	110	213
SP0476	10.5	<0.5	45	4.1	40	134
SP0477	21.5	<0.5	285	23.4	50	232
SP0478	6.1	<0.5	114	7.3	<10	14
SP0479	26.2	<0.5	351	22.7	80	146
SP0480	8.0	<0.5	56	4.3	40	31
SP0481	16.2	<0.5	321	24.8	510	157
SP0482	18.1	<0.5	131	8.7	700	30
SP0483	19.4	<0.5	61	5.0	430	53
SP0484	12.7	<0.5	54	3.8	270	51
SP0485	14.6	<0.5	50	3.2	330	33
SP0486	12.2	<0.5	76	5.8	490	114
SP0487	21.0	<0.5	151	10.1	100	77
SP0488	10.2	<0.5	91	7.6	200	57

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0489	10.0	<0.5	113	7.6	60	41
SP0490	12.3	<0.5	173	13.5	310	124
SP0491	15.8	<0.5	148	8.8	320	23
SP0492	9.0	<0.5	48	3.7	110	46
SP0493	9.3	<0.5	69	5.1	610	79
SP0494	5.6	<0.5	41	3.8	1830	52
SP0495	6.9	<0.5	47	3.9	2550	107
SP0496	16.8	<0.5	129	8.2	630	46
SP0497	10.9	<0.5	55	4.5	110	9
SP0498	21.9	<0.5	140	9.0	110	16
SP0499	17.8	<0.5	79	6.5	650	72
SP0500	10.7	<0.5	44	3.3	550	151
SP0501	15.0	<0.5	228	18.4	140	403
SP0502	15.5	<0.5	84	6.9	180	348
SP0503	8.7	<0.5	112	8.7	300	162
SP0504	4.1	<0.5	20	1.4	<10	11
SP0505	21.6	<0.5	208	15.1	140	178
SP0506	11.1	<0.5	41	2.5	50	26
SP0507	17.3	<0.5	309	22.5	170	160
SP0508	7.5	<0.5	111	11.2	1690	122
SP0509	13.7	<0.5	98	8.1	140	262
SP0510	11.2	<0.5	69	5.8	20	112
SP0511	19.4	<0.5	161	12.7	190	294
SP0512	20.1	<0.5	188	15.8	370	133
SP0513	13.9	<0.5	267	16.8	230	105
SP0514	7.3	<0.5	33	2.3	20	7
SP0515	37.6	0.9	22	1.7	70	14
SP0516	13.4	<0.5	103	8.2	160	327

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project RENNAISSANCE_GEOSCIENCE_SERVICES_INC.

ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0517	15.3	0.5	111	7.5	610	96
SP0518	11.4	<0.5	110	8.6	1440	69
SP0519	22.0	<0.5	472	37.6	1270	82
SP0520	3.3	<0.5	6	0.6	70	12
SP0521	12.1	<0.5	199	15.5	110	138
SP0522	12.9	<0.5	269	18.9	60	39
SP0523	25.4	0.6	509	40.8	150	108
SP0524	13.0	<0.5	127	9.3	110	47
SP0525	8.4	<0.5	56	4.7	210	11
SP0526	33.2	<0.5	197	15.1	510	76
SP0527	25.8	<0.5	325	22.2	230	114
SP0528	13.7	<0.5	82	6.4	1520	48
SP0529	19.9	<0.5	225	18.6	240	119
SP0530	15.8	<0.5	286	20.3	260	45
SP0531	16.3	<0.5	100	7.8	160	74
SP0532	17.0	<0.5	384	30.2	370	75
SP0533	16.7	<0.5	130	9.9	140	39
SP0534	21.2	<0.5	276	20.3	140	100
SP0535	13.4	<0.5	117	11.6	660	134
SP0536	15.8	<0.5	53	5.1	110	70
SP0537	12.3	<0.5	58	4.3	620	50
SP0538	14.5	<0.5	125	9.6	790	187
SP0539	13.4	<0.5	50	3.6	200	88
SP0540	15.0	<0.5	66	4.9	360	103
SP0541	12.6	<0.5	70	4.9	770	94
SP0542	12.3	<0.5	153	13.2	100	193
SP0543	21.3	<0.5	175	14.4	170	244
SP0544	18.3	<0.5	130	8.7	250	57

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0545	45.4	<0.5	998	44.9	250	39
SP0546	59.5	<0.5	69	7.8	160	22
SP0547	13.8	<0.5	152	11.6	160	185
SP0548	12.4	<0.5	171	11.1	100	120
SP0549	13.2	0.5	126	10.6	210	298
SP0550	11.2	<0.5	118	9.4	640	229
SP0551	2.1	<0.5	36	2.7	50	8
SP0552	8.0	<0.5	12	1.2	50	7
SP0553	11.8	0.7	153	12.1	270	362
SP0554	10.2	<0.5	122	8.5	80	59
SP0555	9.6	<0.5	60	4.3	280	106
SP0556	5.5	<0.5	23	2.1	40	7
SP0557	8.5	<0.5	78	6.6	790	160
SP0558	56.6	<0.5	6	0.5	40	7
SP0559	9.6	<0.5	33	2.3	70	32
SP0560	14.0	<0.5	105	8.9	390	166
SP0561	13.8	<0.5	99	8.7	440	207
SP0562	13.8	<0.5	124	9.4	150	233
SP0563	13.6	<0.5	72	5.9	1010	120
SP0564	12.6	<0.5	93	7.6	100	115
SP0565	13.8	0.6	121	11.1	780	291
SP0566	12.5	<0.5	145	12.0	980	277
SP0567	9.1	<0.5	71	6.6	740	125
SP0568	12.8	<0.5	108	8.6	370	244
SP0569	13.5	<0.5	227	18.1	1420	268
SP0570	18.4	<0.5	66	4.4	40	41
SP0571	3.4	<0.5	25	2.8	100	20
SP0572	26.9	1.2	163	13.8	500	610

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0573	24.5	0.9	308	27.0	600	395
SP0574	15.8	<0.5	121	10.0	370	113
SP0575	17.8	0.6	127	11.7	220	336
SP0576	18.7	0.5	148	12.3	150	310
SP0577	18.6	0.8	187	15.9	380	419
SP0578	22.2	1.0	230	21.5	1050	473
SP0579	17.1	0.6	108	8.4	460	264
SP0580	17.7	<0.5	73	5.7	200	115
SP0581	29.6	<0.5	112	10.0	310	240
SP0582	18.4	0.7	96	7.4	350	318
SP0583	19.3	0.8	191	12.4	210	247
SP0584	11.0	0.9	56	4.4	150	233
SP0585	28.5	0.7	474	40.6	270	408
SP0586	20.7	0.6	136	11.6	480	390
SP0587	15.6	0.6	117	9.5	400	235
SP0588	15.1	0.7	87	7.4	1800	305
SP0589	24.5	<0.5	164	14.4	100	386
SP0590	25.0	<0.5	308	21.0	540	76
SP0591	22.3	0.6	234	19.6	1110	283
SP0592	24.5	<0.5	266	19.9	860	247
SP0593	21.0	<0.5	244	20.7	410	257
SP0594	10.0	0.5	148	14.7	2560	216
SP0595	17.7	<0.5	162	13.0	160	91
SP0596	9.4	<0.5	27	2.2	1000	53
SP0597	22.8	<0.5	188	17.7	330	292
SP0598	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R
SP0599	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R	L.N.R
SP0600	14.5	0.5	71	6.1	960	168

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0601	10.9	0.5	139	12.1	90	183
SP0602	22.2	<0.5	467	37.3	380	192
SP0603	21.2	<0.5	268	21.5	130	309
SP0604	18.2	0.7	165	13.8	350	386
SP0605	13.3	0.8	108	9.2	310	323
SP0606	17.1	0.5	201	18.1	330	283
SP0607	5.9	<0.5	30	2.6	890	50
SP0608	11.3	<0.5	77	6.7	1060	141
SP0609	8.8	<0.5	34	2.7	160	45
SP0610	21.5	<0.5	207	18.1	280	253
SP0611	11.5	<0.5	67	3.9	30	56
SP0612	16.0	0.6	71	6.7	300	254
SP0613	22.7	0.9	144	13.2	280	469
SP0614	24.2	1.0	151	13.8	150	588
SP0615	6.7	<0.5	26	2.2	30	25
SP0616	14.9	0.5	67	6.6	190	287
SP0617	15.9	<0.5	115	9.9	200	132
SP0618	14.3	<0.5	137	13.2	3550	295
SP0619	18.6	0.7	160	15.6	2470	478
SP0620	17.8	0.6	160	14.7	880	402
SP0621	23.4	<0.5	240	19.2	170	323
SP0622	21.1	0.6	220	17.9	340	351
SP0623	21.5	<0.5	182	14.3	180	205
SP0624	17.6	0.5	113	8.9	190	220
SP0625	13.7	0.6	106	9.3	440	207
SP0626	13.9	<0.5	65	5.6	330	149
SP0627	11.1	<0.5	59	4.7	980	118
SP0628	16.6	0.8	116	8.3	90	297

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
SP0629	10.3	0.8	142	12.8	1330	160
SP0630	10.6	1.0	92	7.6	1250	283
SP0631	4.0	<0.5	24	1.6	<10	18
SP0632	16.9	0.6	112	8.1	140	206
SP0633	14.2	<0.5	224	14.6	470	115
SP0634	13.1	0.8	149	13.9	970	293
SP0635	10.6	0.8	112	9.5	1930	182
SP0636	15.8	0.6	233	17.6	680	212
SP0637	11.4	0.5	84	7.1	420	160
SP0638	16.8	0.5	130	9.1	270	206
SP0639	16.1	0.7	123	9.7	200	324
SP0640	17.7	0.6	275	20.9	110	235
SP0641	11.3	0.9	118	9.8	520	274
SP0642	10.3	0.6	74	5.5	170	150
SP0643	12.6	0.5	120	10.1	920	206
SP0644	13.7	0.6	169	14.2	580	301
SP0645	15.7	0.7	150	13.2	420	340
SP0646	15.8	0.6	144	12.4	180	222
SP0647	18.2	0.5	151	12.2	200	311
SP0648	12.2	<0.5	111	7.3	130	44
SP0649	18.5	0.5	234	20.0	340	251
SP0650	17.8	0.5	262	21.5	310	289
SP0651	18.3	0.9	192	15.3	490	452
*Rep SP0281	14.1	1.1	51	3.5	580	45
*Blk BLANK	<0.5	1.1	<1	<0.2	<10	2
*Rep SP0305	20.6	0.6	221	21.1	460	198
*Std AMIS0169	20.1	1.3	102	7.8	150	40
*Rep SP0316	18.9	<0.5	134	10.1	450	91

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ANALYSIS REPORT BBM21-12712

Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
*Rep SP0333	17.7	<0.5	173	13.9	180	324
*Std AMIS0169	18.8	0.9	95	7.8	150	36
*Rep SP0345	10.4	<0.5	72	6.1	290	117
*Blk BLANK	<0.5	<0.5	<1	<0.2	<10	<2
*Rep SP0373	12.1	<0.5	91	6.3	600	71
*Rep SP0381	22.1	<0.5	371	28.0	150	102
*Rep SP0410	12.5	<0.5	97	8.8	80	284
*Std AMIS0169	17.1	0.8	90	7.1	140	35
*Rep SP0422	12.4	<0.5	72	6.3	200	270
*Blk BLANK	<0.5	<0.5	<1	<0.2	<10	<2
*Rep SP0589	25.1	0.6	169	14.7	110	394
*Blk BLANK	<0.5	<0.5	<1	<0.2	<10	2
*Rep SP0594	10.2	0.7	152	14.3	2830	212
*Std AMIS0169	19.5	1.1	94	7.7	150	39
*Rep SP0619	17.0	0.6	149	14.6	2820	457
*Blk BLANK	<0.5	<0.5	<1	<0.2	<10	<2
*Rep SP0535	12.0	<0.5	100	9.4	500	124
*Rep SP0545	39.4	<0.5	561	33.7	210	38
*Rep SP0562	13.2	<0.5	130	9.7	200	233
*Std AMIS0169	18.1	0.7	90	6.6	140	33
*Blk BLANK	<0.5	<0.5	<1	<0.2	<10	<2
*Std AMIS0169	18.1	0.9	91	7.3	150	38
*Rep SP0626	16.1	<0.5	73	5.6	250	166
*Blk BLANK	<0.5	<0.5	<1	<0.2	<10	<2
*Rep SP0648	11.6	<0.5	107	6.8	100	39
*Std AMIS0169	17.4	1.2	92	6.8	140	40
*Blk BLANK	<0.5	<0.5	<1	<0.2	<10	<2
*Rep SP0440	13.0	<0.5	155	13.8	350	124

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project

ANALYSIS REPORT BBM21-12712

RENNAISSANCE_GEOSCIENCE_SERVICES_INC.
Submission Number *BBY* RENAISSANCE GEOSCIENCE SERVICES INC/SADIM/ 387 Soils
Number of Samples 387

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
*Std AMIS0169	21.2	1.2	108	8.6	180	41
*Rep SP0458	12.1	<0.5	188	14.7	280	122
*Rep SP0461	11.0	<0.5	202	18.7	1640	103
*Rep SP0479	25.8	<0.5	313	20.5	70	157
*Std AMIS0169	15.1	<0.5	79	6.1	120	31
*Rep SP0500	10.8	<0.5	43	3.4	470	167
*Rep SP0511	18.0	<0.5	165	12.9	190	291
*Blk BLANK	<0.5	<0.5	<1	<0.2	<10	<2

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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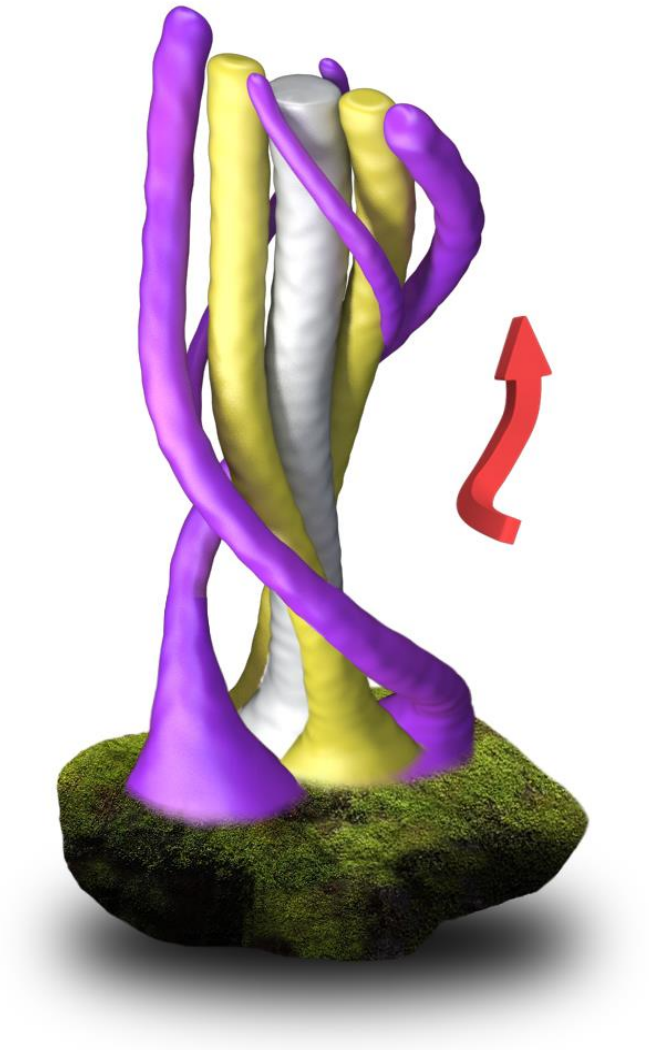
APPENDIX B ACTLABS SOIL GAS HYDROCARBON REPORT

3D - SGH

"A SPATIOTEMPORAL GEOCHEMICAL HYDROCARBON INTERPRETATION"

RENAISSANCE GEOSCIENCE SERVICES INC. SADIM SGH SURVEY



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SGH – SOIL GAS HYDROCARBON
Predictive Geochemistry

for

RENAISSANCE GEOSCIENCE SERVICES INC.

SADIM 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: A20-15606

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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 customized section for this SADIM Survey starts on page 15. In the author's opinion, the SGH response appeared weaker than anticipated although enough response was detected to provide an interpretation. The grid shape of this survey helped to identify the mineralization and 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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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, Tungsten, Lithium, 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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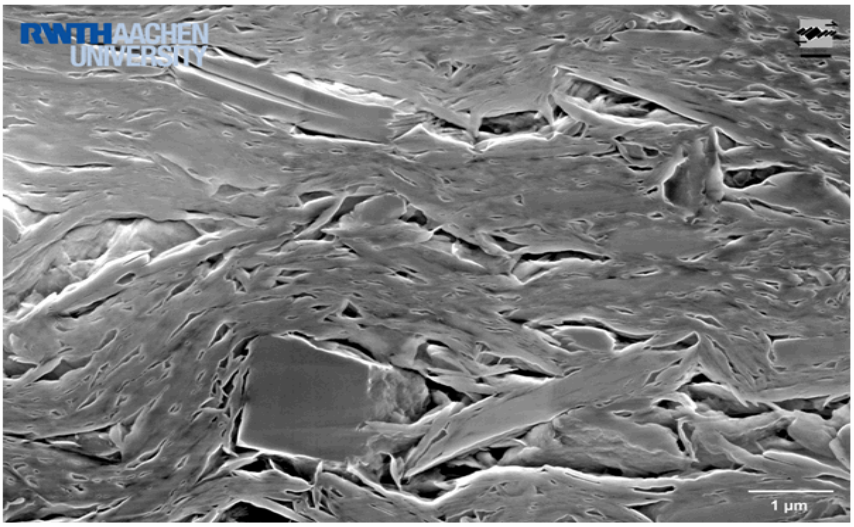
SGH INTERPRETATION – LATEST ENHANCEMENTS

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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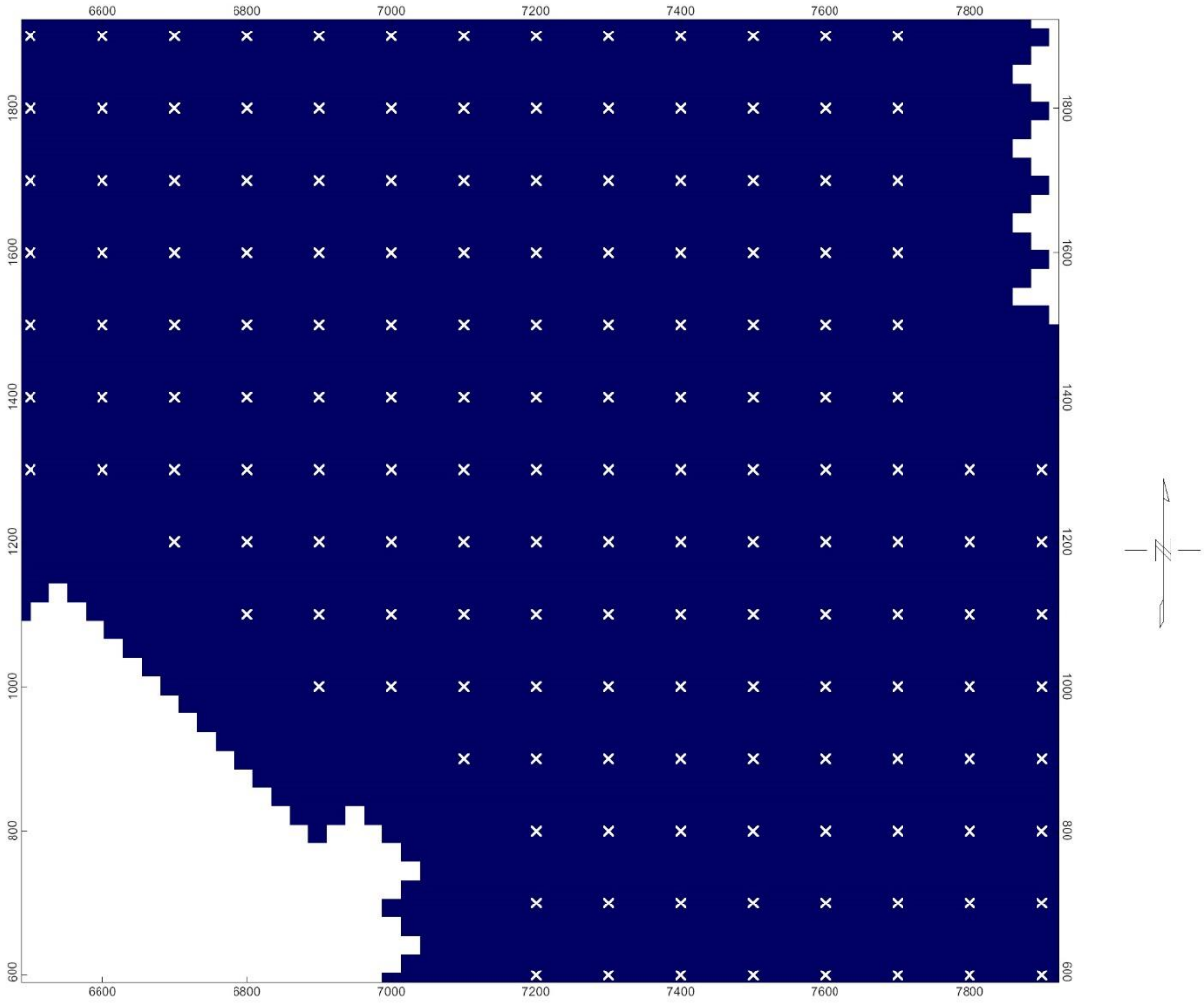
INTERPRETATION OF SGH RESULTS - A20-15606
RENAISSANCE GEOSCIENCE – SADIM SURVEY

This report is based on the SGH results from the analysis of a total of 162 soil samples from the SADIM survey. The survey can be described as a uniform grid with 100m sample 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 relative format. A sample location map is shown below.



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SGH INTERPRETATION - A20-15606 – RENAISSANCE GEOSCIENCE QUALITY ASSURANCE – SADIM 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 SADIM Soil Survey was very good as demonstrated by 11 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 **12.5%** which represents a very good level of analytical performance especially at such low parts-per-trillion concentrations.

The location of **Field Duplicate samples was not identified from the SADIM 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 SADIM 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 maps 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 Redox conditions and 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 SADIM survey area. The maps shown represent 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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A20-15606 – RENAISSANCE GEOSCIENCE
SADIM 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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A20-15606 – RENAISSANCE GEOSCIENCE
SADIM 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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A20-15606 – RENAISSANCE GEOSCIENCE – SADIM
SGH "REDOX" INTERPRETATION

As a general comment in regard to the SGH results at the SADIM Soil Survey, the SGH data in general although weaker than preferred had enough signal strength to provide an interpretation of the survey. The SGH Class maps in this report are 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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A20-15606 – RENAISSANCE GEOSCIENCE – SADIM SOIL SURVEY - 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 map 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 SADIM survey also 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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A20-15606 – RENAISSANCE GEOSCIENCE – SADIM
SGH GOLD INTREPRETATION

Page 23 of this report, and in 3D-view on page 24, shows the anomalies from the most reliable SGH Pathfinder Class in predicting the presence of Gold Mineralization. This map illustrates east-west trending apical anomalies across the survey outlined in yellow. These anomalies also pass 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. Several other SGH Pathfinder Class Maps associated with the presence of Gold mineralization (not shown in this report) support the interpretation of these anomalies at the SADIM Project.

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

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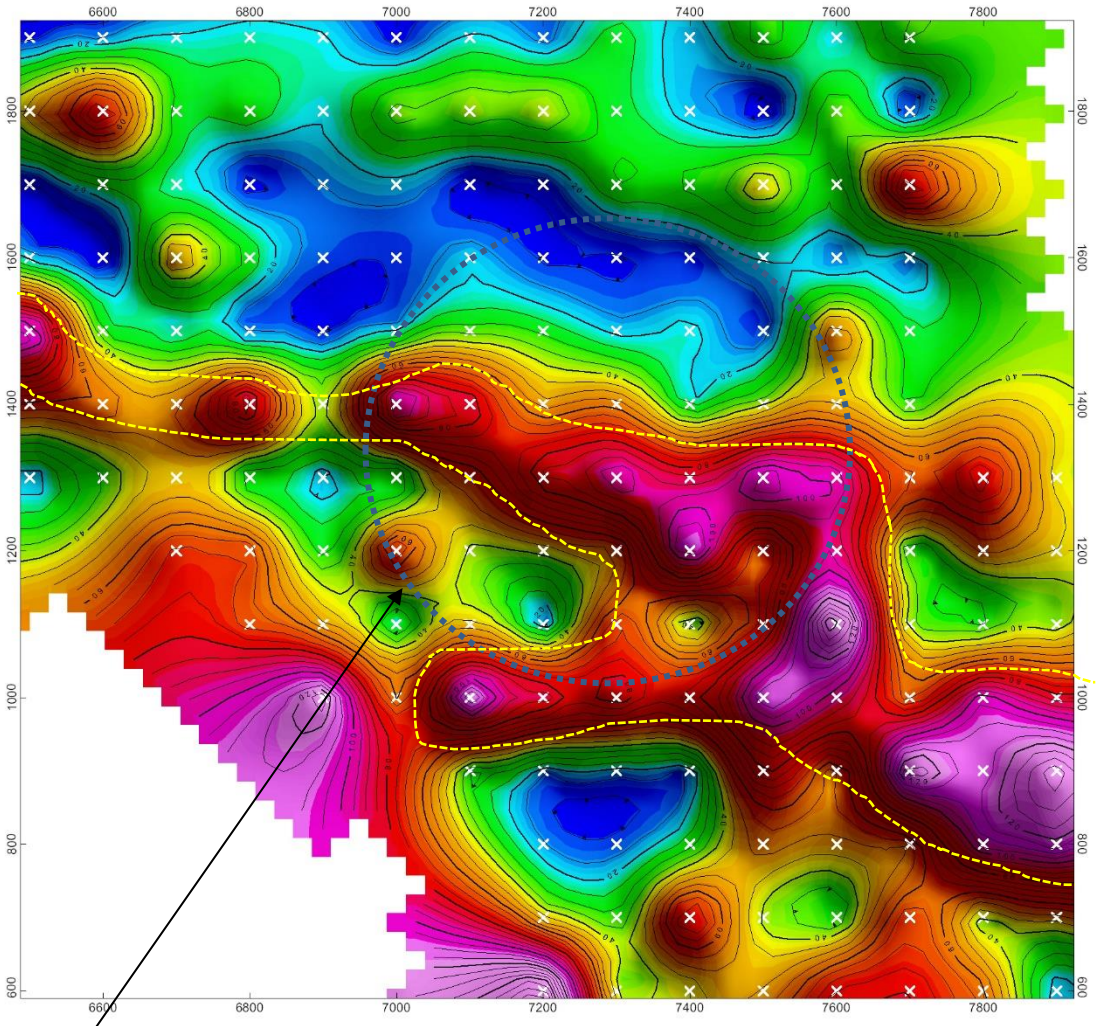
A20-15606 – RENAISSANCE GEOSCIENCE – SADIM
SGH "GOLD" PATHFINDER CLASS MAP



PREDICTED GOLD MINERALIZATION – YELLOW OUTLINE

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

GEOSOFT

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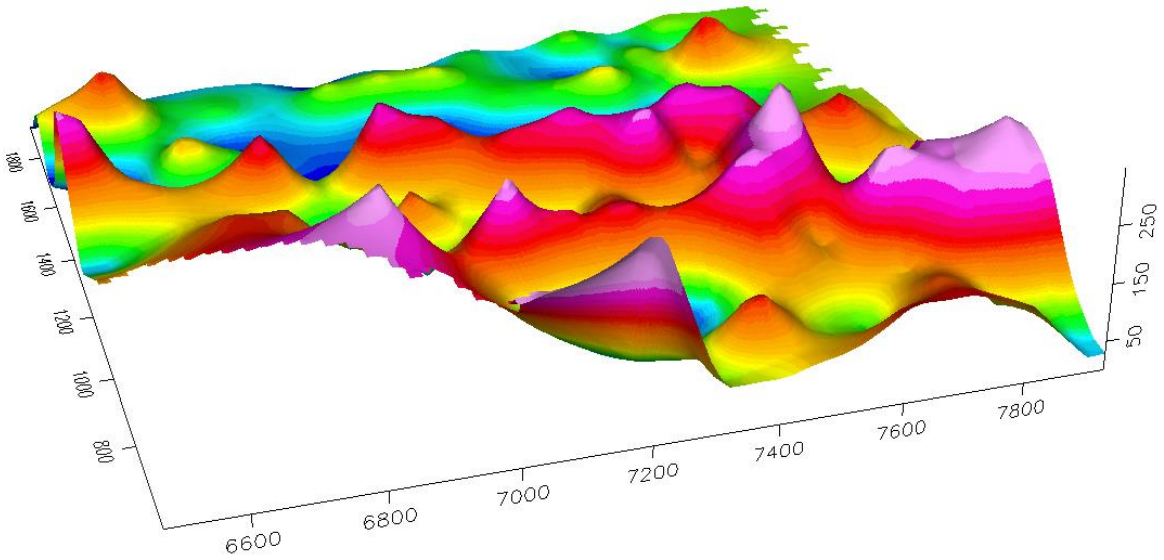
SGH "GOLD" PATHFINDER CLASS MAP



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A20-15606 – RENAISSANCE GEOSCIENCE
SADIM 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 Renaissance Geoscience SADIM 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 SADIM 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 SADIM 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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A20-15606 – RENAISSANCE GEOSCIENCE
SADIM SOIL SURVEY - SGH INTERPRETATION FOR THE PRESENCE OF MINERALIZATION

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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In general, the number of samples was more than adequate to show what the author believes to be valuable information at the SADIM 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): December 8, 2020

Date Analysis Complete: December 21, 2020

Interpretation Report: January 22, 2021

RENAISSANCE GEOSCIENCE SERVICES INC.

680 Dairy Road,

Kamloops, BC, Canada

V2B 8N5

Attention: Leopold Lindinger

RE: Your Reference: SADIM Survey

Activation Laboratories Workorder: A20-15606

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.

162 Samples were analyzed for this submission.

Sample preparation –Actlabs Ancaster - S4: 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: A20-15606

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at the time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of the material submitted for analysis.

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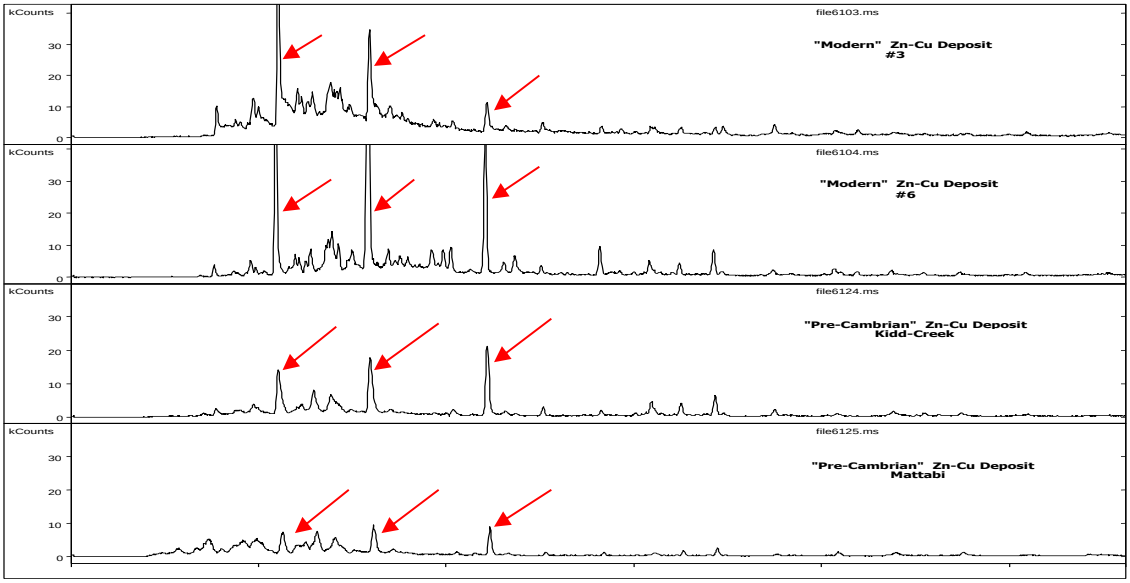
APPENDIX "B"
EXAMPLE OF AN SGH FORENSIC GEOCHEMICAL SIGNATURE
EXAMPLE SHOWN FOR A VMS TARGET

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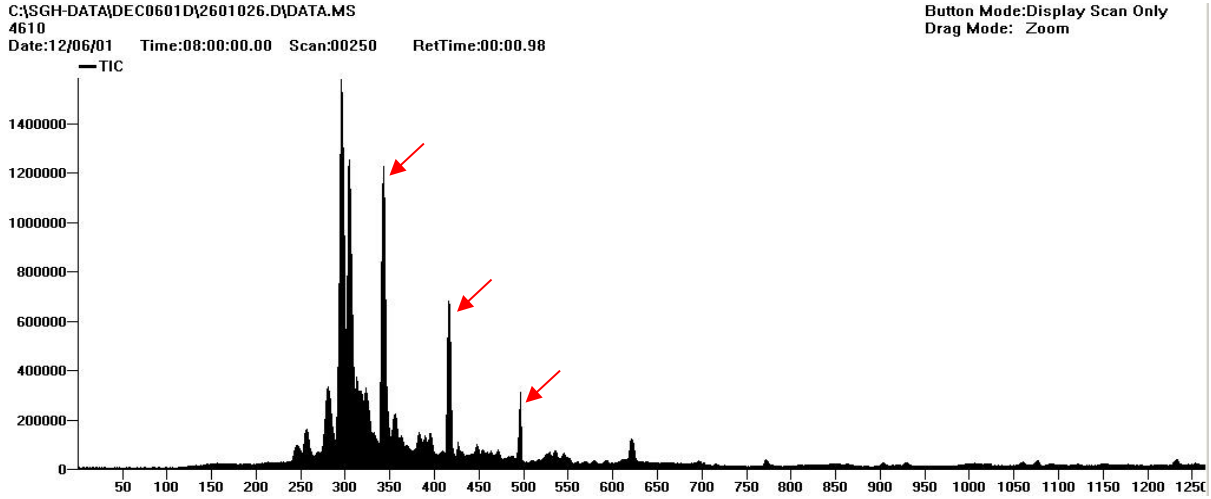
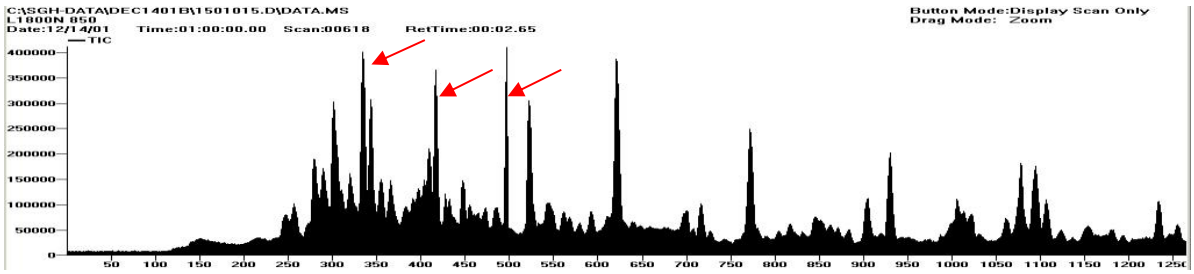
The red arrows point to three compounds that are a *portion* of the SGH signature for VMS type deposits. This visible portion of the VMS signature of hydrocarbons can easily be seen in the analysis of each of these four samples.

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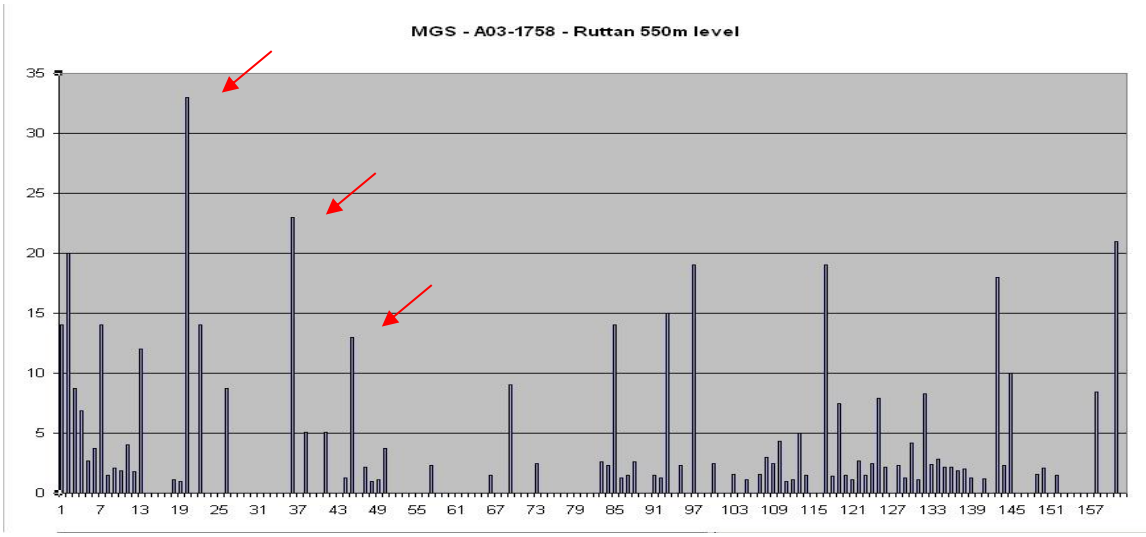
complete SGH VMS signature. The full VMS signature is made up of at least three groups, as three organic chemical classes, that together contain at least 35 of the individual SGH hydrocarbons.

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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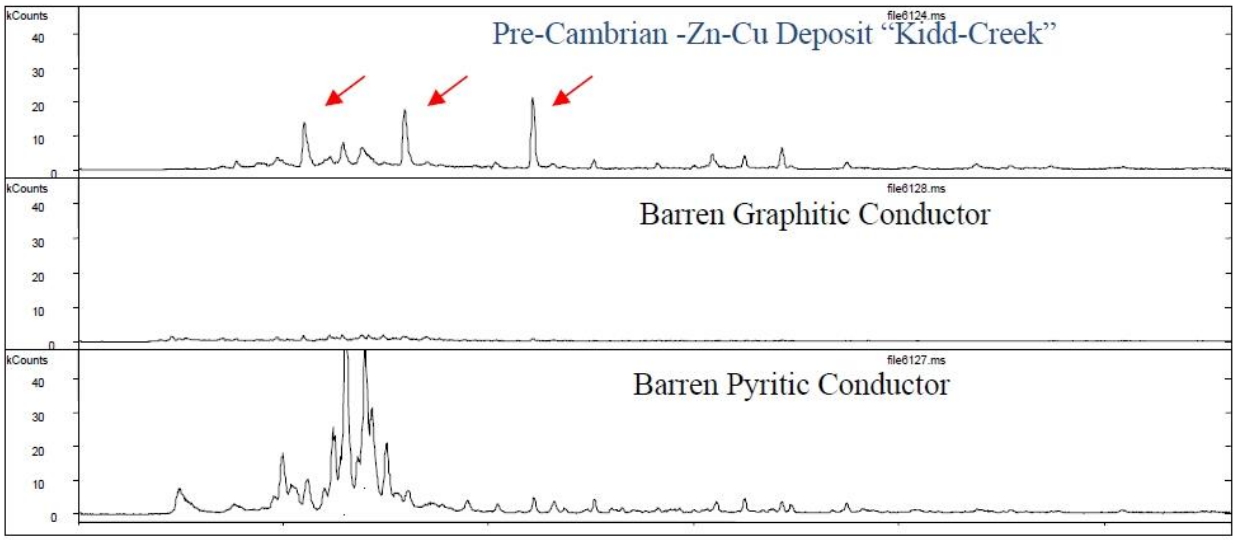

SGH has been described by the Ontario Geological Survey of Canada (OGS) as a "REDOX cell locator". Many SGH surveys for Gold and other mineral targets can result in multiple types of anomalies, depending on the class of SGH compounds, even over the same target and in the same set of samples. Thus "Apical", "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 -60 mesh sieve fraction (<250 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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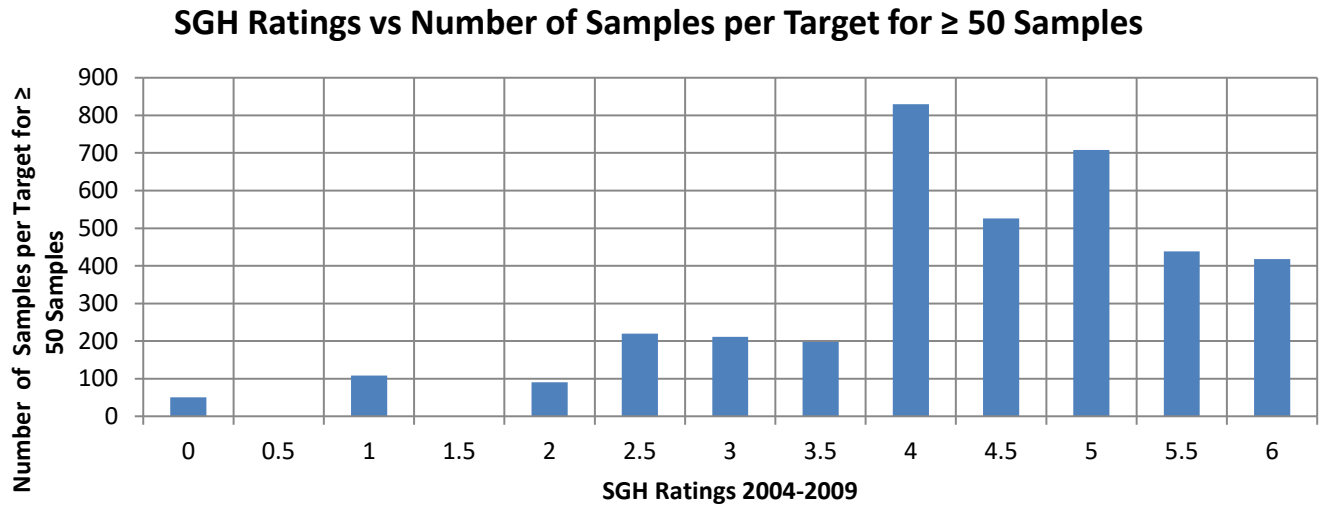
surveys. As explained in the previous section, the SGH rating is not just a rating of how definitive an SGH anomaly is, and it is not based just on the map(s) provided in this report. It is a rating of "confidence in the interpreted anomaly" from the combination of:

- (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.



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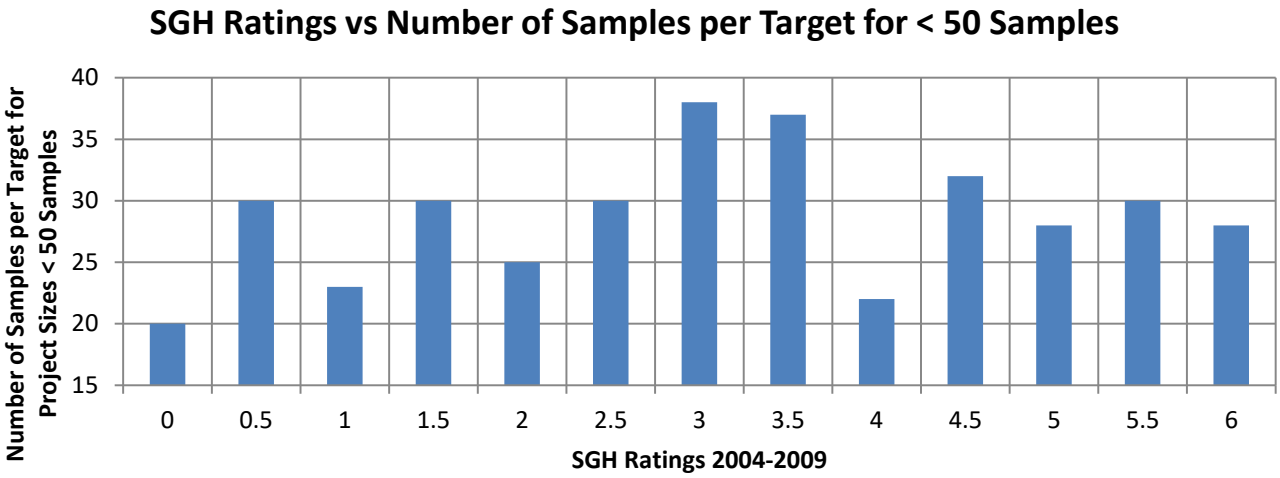
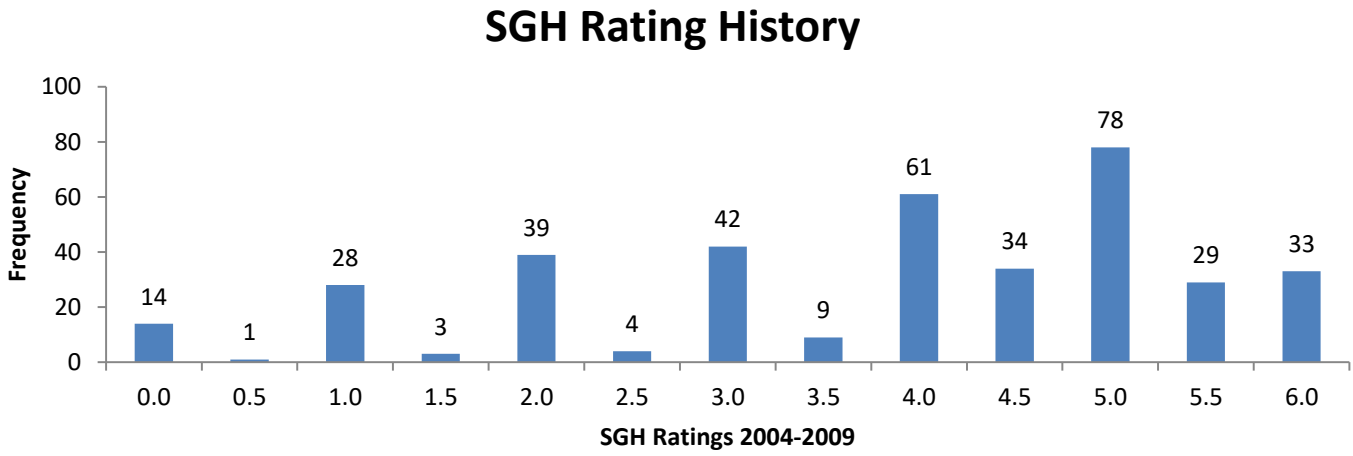
The rating frequency may be biased low as research projects often include a bare minimum of samples to reduce costs. Research projects may also be over targets known to be difficult to depict with geochemistry. Multiple targets in close vicinity in a survey may result in a low bias as the Pathfinder 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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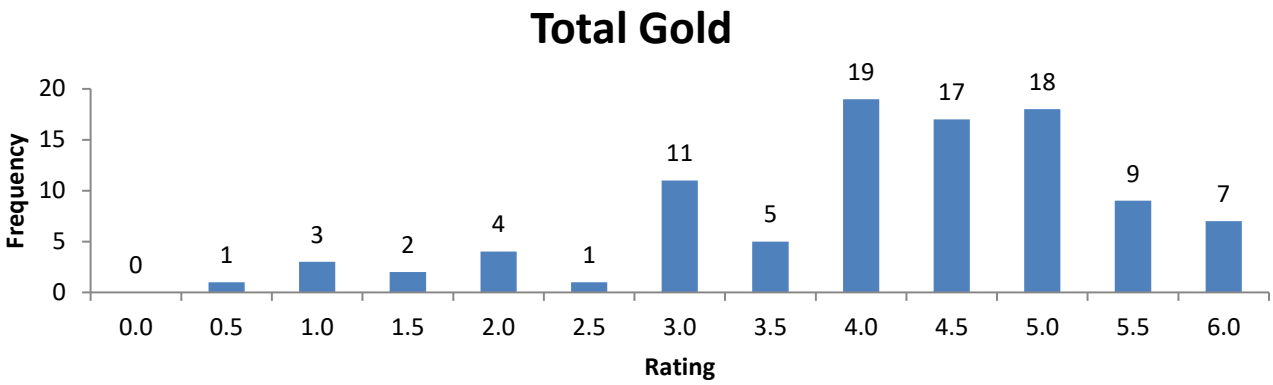
More specific for SGH interpretation for Gold targets, the overall rating frequency for 97 targets from January 2004 to December 2009 is shown in the chart below that also illustrates that surveys over more promising Gold targets are most often submitted for best use of research or exploration dollars.



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APPENDIX "H"

NOTE: THERE IS NEW PRICING FOR THE SGH GEOCHEMISTRY

SAMPLE PREPARATION: CODE S4 - $4.25 per sample

INTERPRETATION FOR ONE COMMODITY TARGETS: Included in the price of analysis of $48.00 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": ($ 500.00) - 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 $1000 per area, thus a total of $2000.

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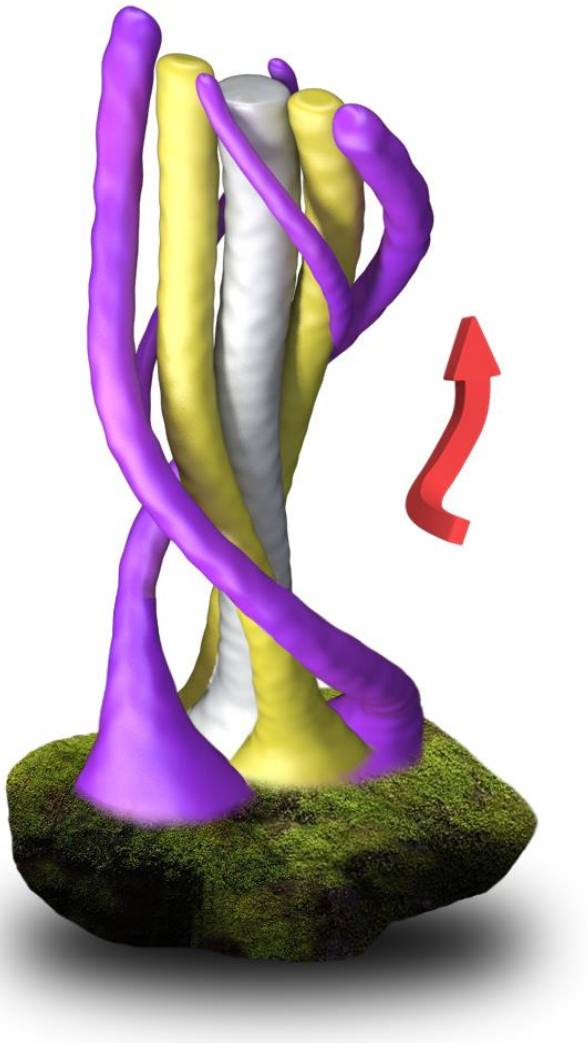
3D - SGH

"A SPATIOTEMPORAL GEOCHEMICAL HYDROCARBON INTERPRETATION"

RENAISSANCE GEOSCIENCE SERVICES INC. SADIM NORTH BLOCK SGH PROJECT



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SGH – SOIL GAS HYDROCARBON
Predictive Geochemistry

for

RENAISSANCE GEOSCIENCE SERVICES INC.

SADIM NORTH BLOCK SGH SOIL SURVEY

** Jeff Brown,*

Activation Laboratories Ltd

(- author)*

Dale Sutherland (- originator)

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

THE SGH COPPER AND GOLD INTERPRETATION TEMPLATES ARE USED FOR THIS REPORT

Workorders: A21-10270, A21-12453 and A21-16504

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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 customized section for the SADIM NORTH BLOCK Surveys 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 the potential mineralization and 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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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 had 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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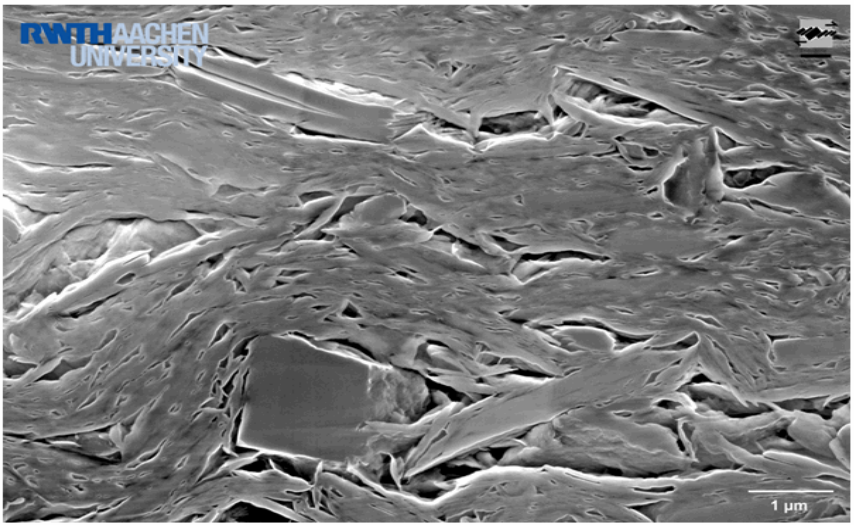
SGH INTERPRETATION – LATEST ENHANCEMENTS

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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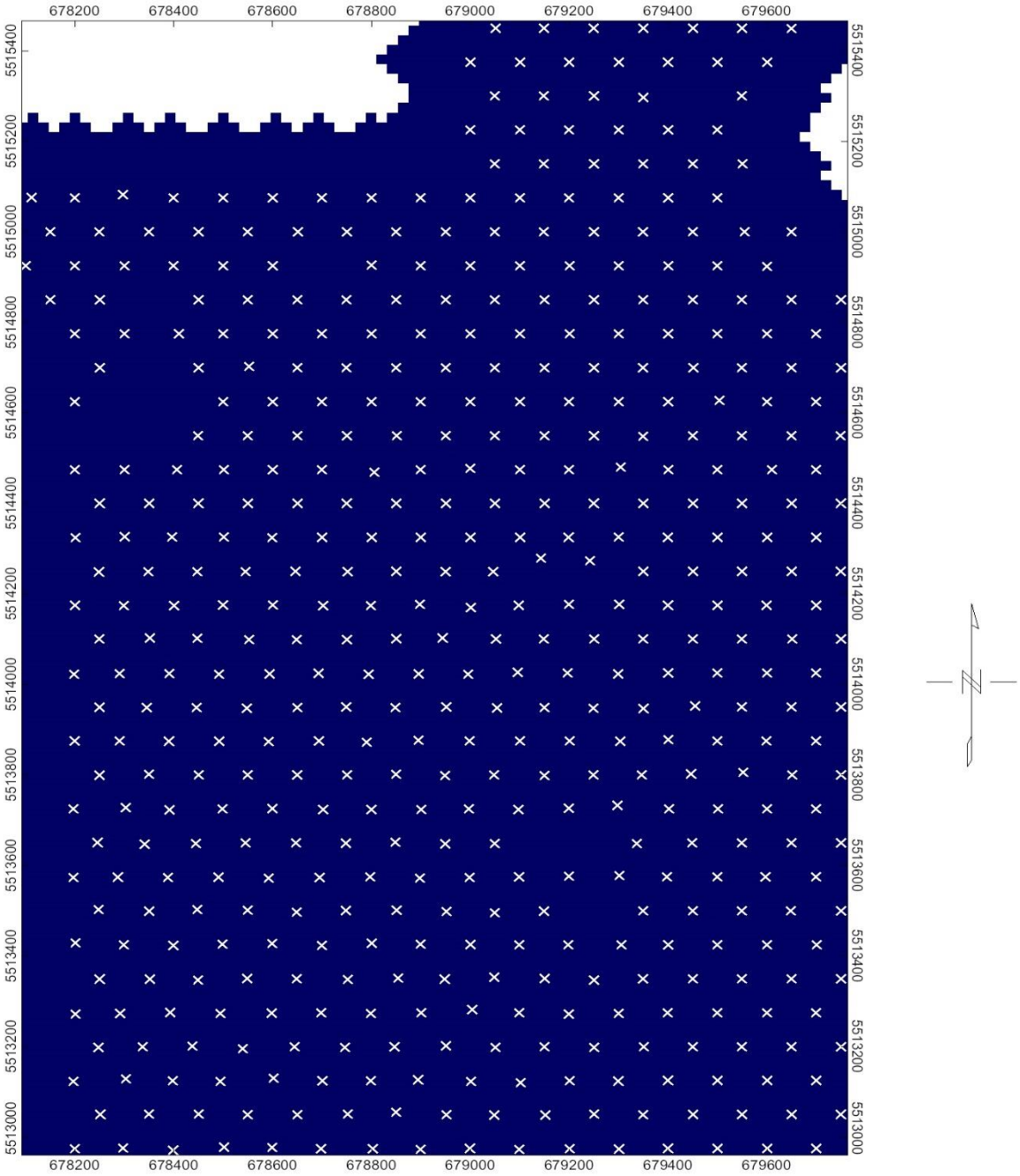
INTERPRETATION OF SGH RESULTS – A21-10270-12453-16504
RENAISSANCE GEOSCIENCE – SADIM NORTH BLOCK SGH SURVEY

This report is based on the SGH results from the analysis of a total of 522 soil samples from the SADIM NORTH BLOCK survey. The survey can be described as uniform grid with sample spacing of approximately 100m. 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 - RENAISSANCE GEOSCIENCE QUALITY ASSURANCE – SADIM NORTH BLOCK SGH 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 SADIM NORTH BLOCK SGH Soil Survey was excellent as demonstrated by the 35 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 **7.9%** which represents an excellent level of analytical performance especially at such low parts-per-trillion concentrations.

The **37 Field Duplicate samples submitted from the SADIM NORTH BLOCK SGH Soil Survey** was considered very good at **13.1%**. 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 SADIM NORTH BLOCK survey samples.** A template or group of SGH Pathfinder Classes that have been found to be associated with buried Copper and Gold targets was used as the basis for the interpretation of these areas. 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 maps 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 Redox conditions, Copper and 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 SADIM NORTH BLOCK survey area. The maps shown represent 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 Copper and 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 Copper and Gold as described. Each pathfinder class map is still just one of the Pathfinder Class maps used in the interpretation template for Copper and 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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A21-10270-12453-16504 – RENAISSANCE GEOSCIENCE
SADIM NORTH BLOCK - SGH 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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A21-10270-12453-16504 – RENAISSANCE GEOSCIENCE
SADIM NORTH BLOCK SGH 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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A21-10270-12453-16504 – RENAISSANCE GEOSCIENCE SADIM NORTH BLOCK - SGH "REDOX" INTERPRETATION

As a general comment in regard to the SGH results at the SADIM NORTH BLOCK SGH Soil Survey, the SGH data in general had good signal strength and the SGH Class maps in this report are quite 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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A21-10270-12453-16504 – RENAISSANCE GEOSCIENCE
SADIM NORTH BLOCK SGH SOIL SURVEY
SGH "COPPER and GOLD" INTERPRETATION

The SGH Pathfinder Class map shown on page 22 and in 3D view on page 23 shows the SGH anomaly from one of the most reliable SGH Pathfinder Classes in predicting the presence of Redox conditions that can support other SGH Pathfinder Class maps for Copper and Gold mineralization. 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.

These SGH Class maps are only a portion of the SGH Copper and 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 or 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 SADIM NORTH BLOCK surveys also agree with the interpretation shown in the following pages.

This portion of the SGH hydrocarbon signatures is predicted to be associated with Copper and 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 Copper and 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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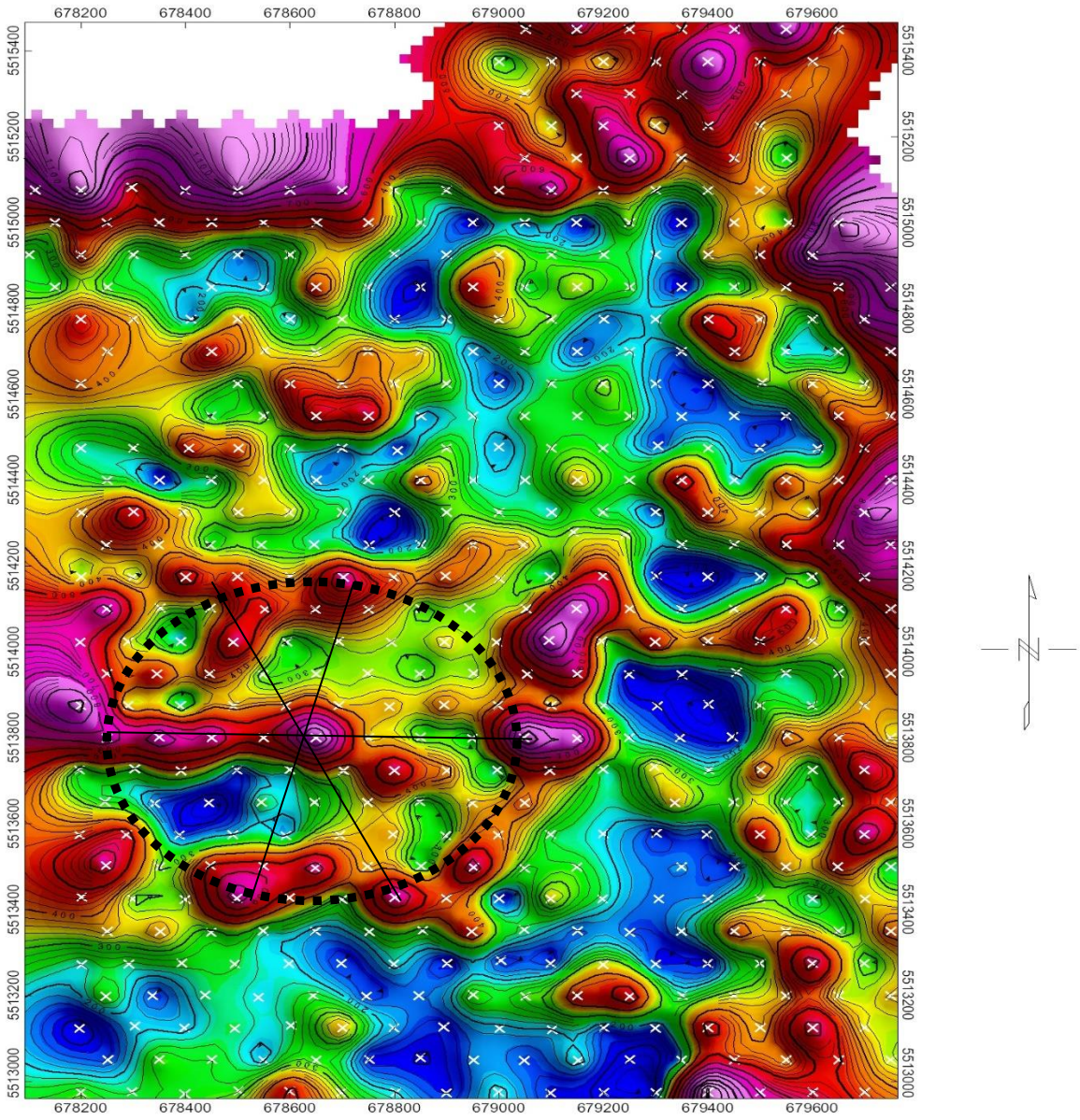
A21-10270-12453-16504 – RENAISSANCE GEOSCIENCE
SADIM NORTH BLOCK - SGH "REDOX" PATHFINDER CLASS MAP



SYMMETRICAL SEGMENTED-NESTED HALO ANOMALY ILLUSTRATING POSSIBLE PRESENCE OF REDOX ZONE

GEOSOFT

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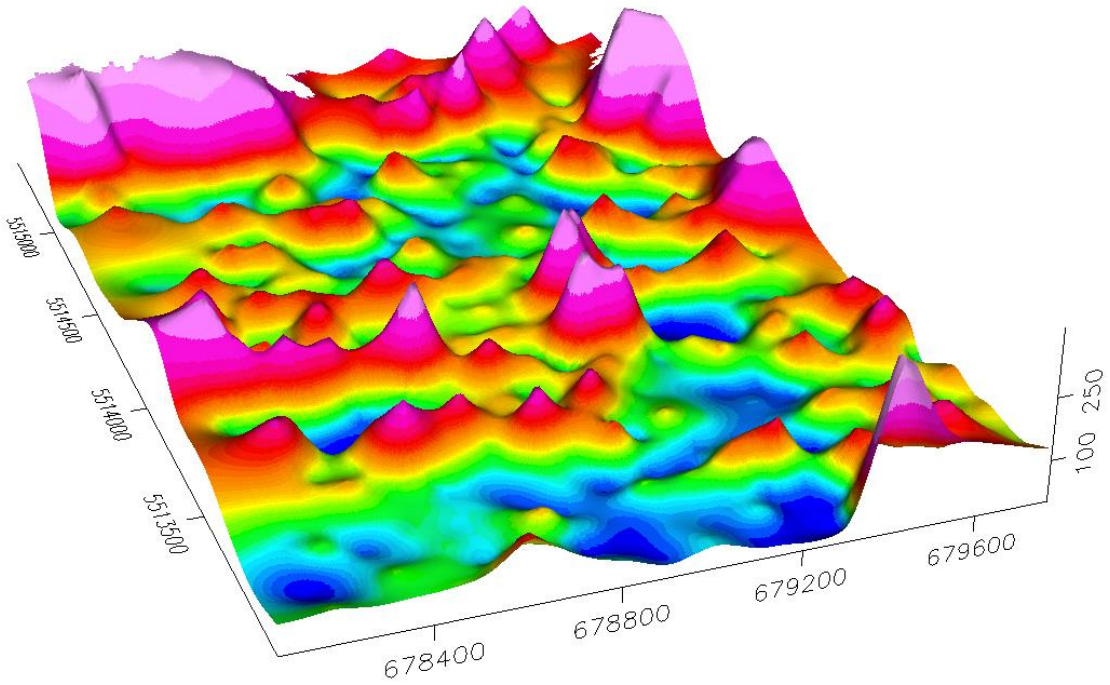
A21-10270-12453-16504 – RENAISSANCE GEOSCIENCE
SADIM NORTH BLOCK - SGH "REDOX" PATHFINDER CLASS MAP



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A21-10270-12453-16504 – RENAISSANCE GEOSCIENCE
SADIM NORTH BLOCK
SGH COPPER INTREPRETATION

Page 25 of this report, and in 3D-view on page 26, shows the anomalies from one of the most reliable SGH Pathfinder Class in predicting the presence of Copper Mineralization. This map shows apical anomalies within and at the edge of the dotted black oval Redox zone, outlined in yellow. 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 copper mineralization (not shown in this report) support this interpretation of these anomalies at the SADIM NORTH BLOCK SGH survey.

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

The most intense anomaly as seen in the 3D view on page 26 and pointed out with a ⃠ symbol on page 25, does not appear to associated with a Redox zone, or potential gold mineralization. If this intense anomaly is associated with copper, it could be very near surface with little or no dispersion from upward transport through the overburden. SGH indicates that the complete signature of identification for copper is not present and thus the confidence in this anomaly representing copper is very low and indeed may be a single sample anomaly. The SGH Rating for such an anomaly would be stated as 2.0 on the scale of 6.0.

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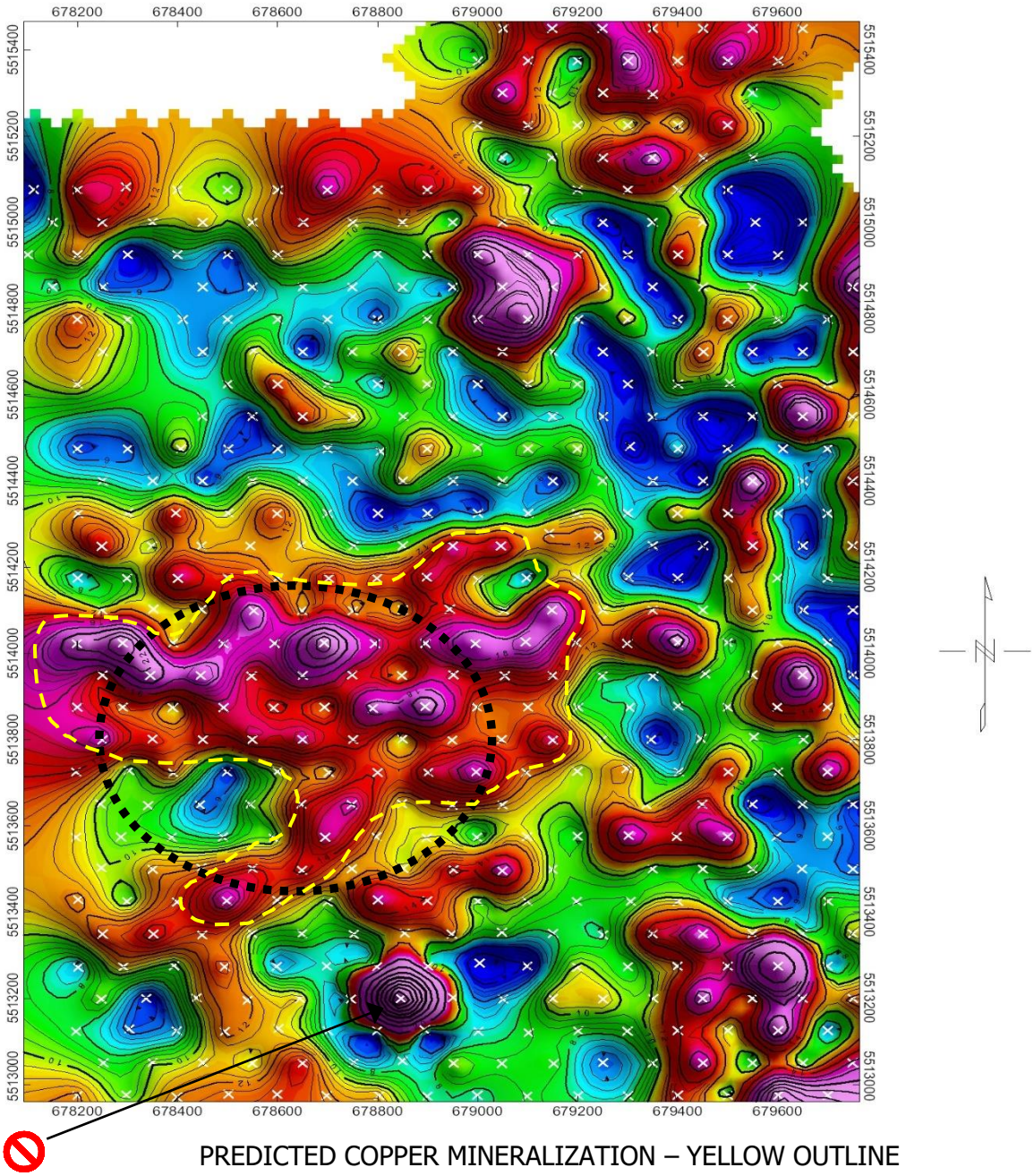
A21-10270-12453-16504 – RENAISSANCE GEOSCIENCE
SADIM NORTH BLOCK - SGH "COPPER" PATHFINDER CLASS MAP



PREDICTED COPPER MINERALIZATION – YELLOW OUTLINE

SGH SIGNATURE RATING RELATIVE TO "COPPER" = 4.5 OF 6.0

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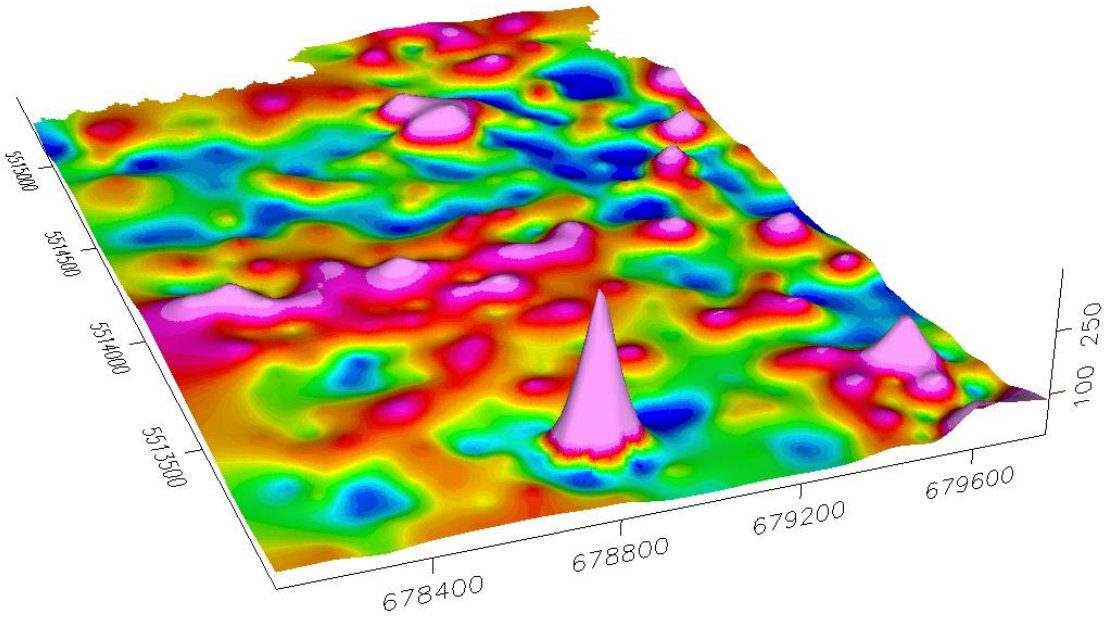
A21-10270-12453-16504 – RENAISSANCE GEOSCIENCE
SADIM NORTH BLOCK - SGH "COPPER" PATHFINDER CLASS MAP



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A21-10270-12453-16504 – RENAISSANCE GEOSCIENCE
SADIM NORTH BLOCK
SGH GOLD INTREPRETATION

Page 28 of this report, and in 3D-view on page 29, shows the anomalies from the most reliable SGH Pathfinder Class in predicting the presence of Gold Mineralization. This map illustrates apical anomalies within and at the edge of the redox zone coincident to that of the copper anomalies. 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 SADIM NORTH BLOCK SGH Project.

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

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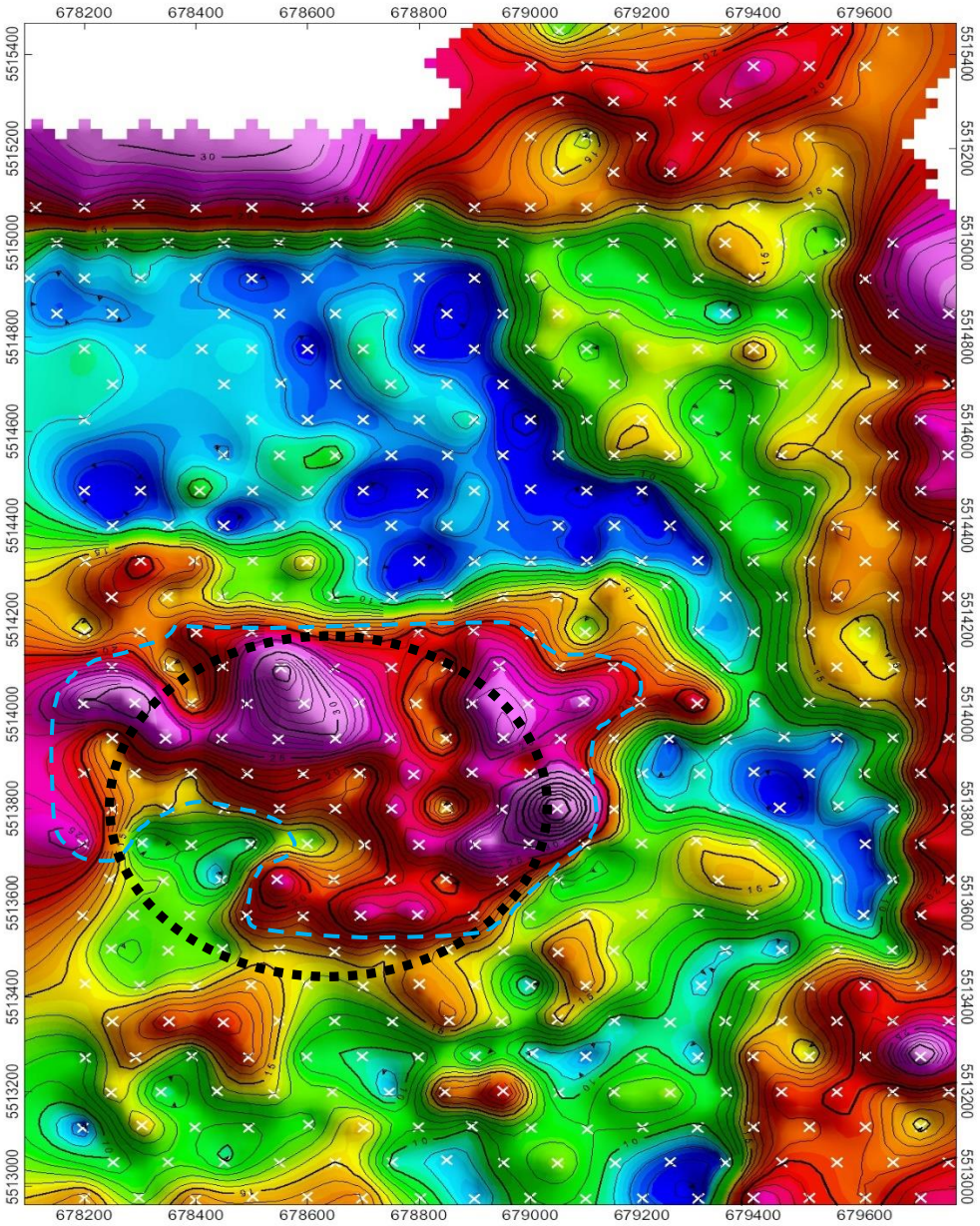
A21-10270-12453-16504 – RENAISSANCE GEOSCIENCE
SADIM NORTH BLOCK - SGH "GOLD" PATHFINDER CLASS MAP



PREDICTED GOLD MINERALIZATION – BLUE OUTLINE

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

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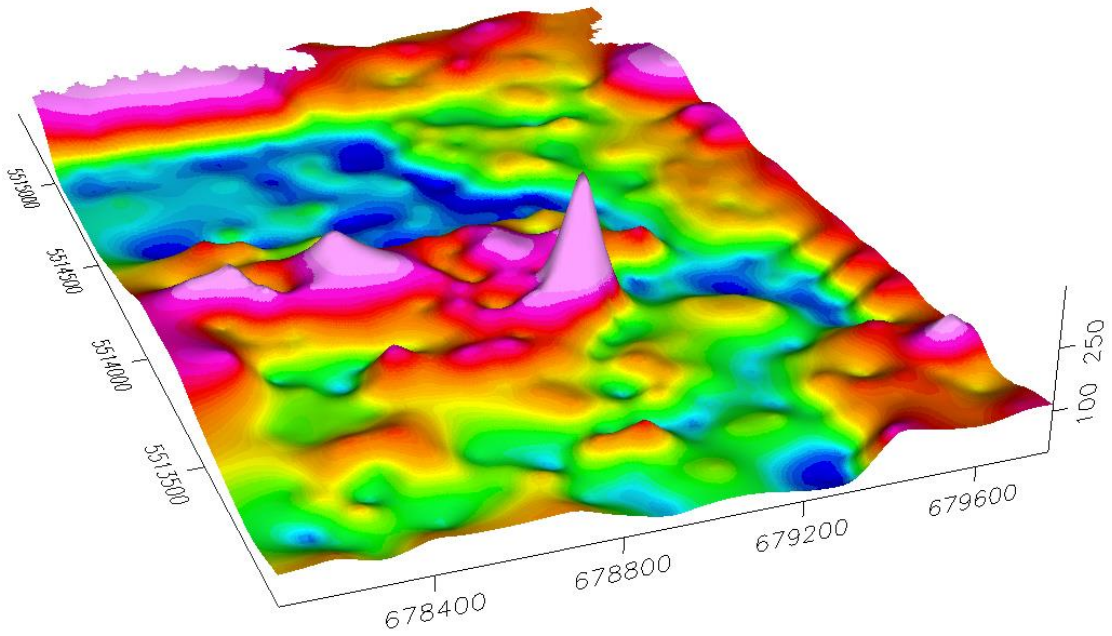
A21-10270-12453-16504 – RENAISSANCE GEOSCIENCE
SADIM NORTH BLOCK - SGH "GOLD" PATHFINDER CLASS MAP



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A21-10270-12453-16504 – RENAISSANCE GEOSCIENCE SADIM NORTH BLOCK SGH SOIL SURVEY - SGH INTERPRETATION FOR THE PRESENCE OF MINERALIZATION

The interpretation of the SGH data on page 25 and 28 relative to the presence of Copper and Gold mineralization at the SADIM NORTH BLOCK survey may be based on what may appear to be the presence of a Redox Zone. Based also on the makeup of the SGH signatures, this Redox Zone may be associated 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 this survey assigned to the anomaly in general on these maps where the anomalies coincide on their location is on average 5.0 on a scale of 6.0. This Rating 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 pages 25 and 28 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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A21-10270-12453-16504 – RENAISSANCE GEOSCIENCE SADIM NORTH BLOCK SGH SOIL SURVEY - SGH INTERPRETATION FOR THE PRESENCE OF MINERALIZATION

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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A21-10270-12453-16504 – RENAISSANCE GEOSCIENCE SADIM NORTH BLOCK SGH 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 SADIM NORTH BLOCK 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 infill 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 11, July 5 and September 10, 2021

Date Analysis Complete: October 8, 2021

Interpretation Report: November 4, 2021

RENAISSANCE GEOSCIENCE SERVICES INC.

680 Dairy Road

Kamloops, BC

V2B 8N5

Attention: Leopold J. Lindinger

RE: Your Reference: SADIM NORTH BLOCK Survey

Activation Laboratories Workorder: A21-10270-12453-16504

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.

522 Samples were analyzed for this submission.

Sample preparation –Actlabs Ancaster - S4: Drying at 40°C and Sieving with -80 mesh collected

Interpretation relative to Copper and 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: A21-10270-12453-16504

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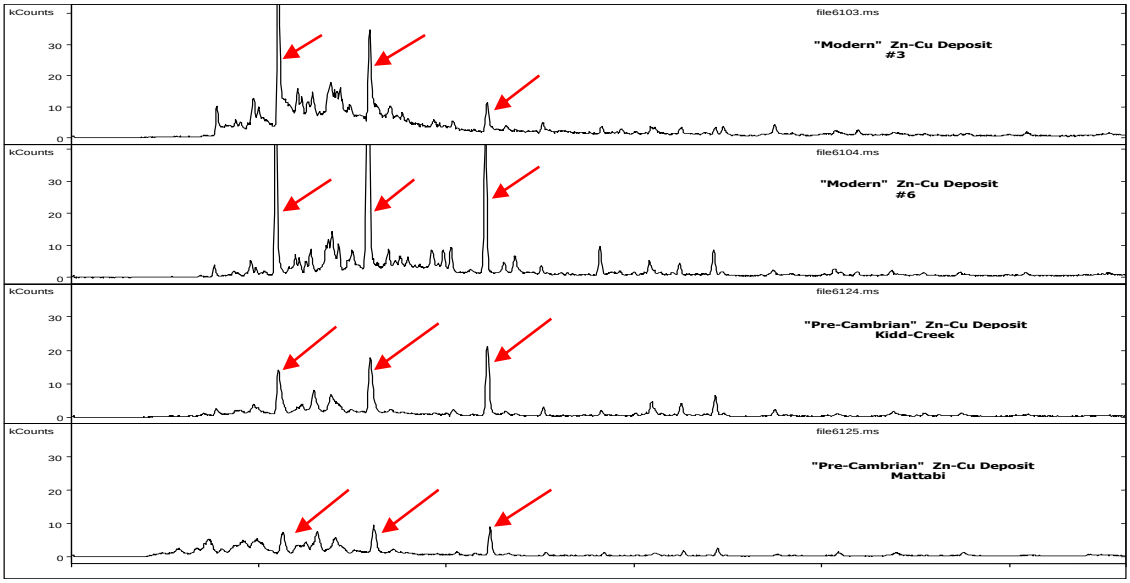
APPENDIX "B"
EXAMPLE OF AN SGH FORENSIC GEOCHEMICAL SIGNATURE
EXAMPLE SHOWN FOR A VMS TARGET

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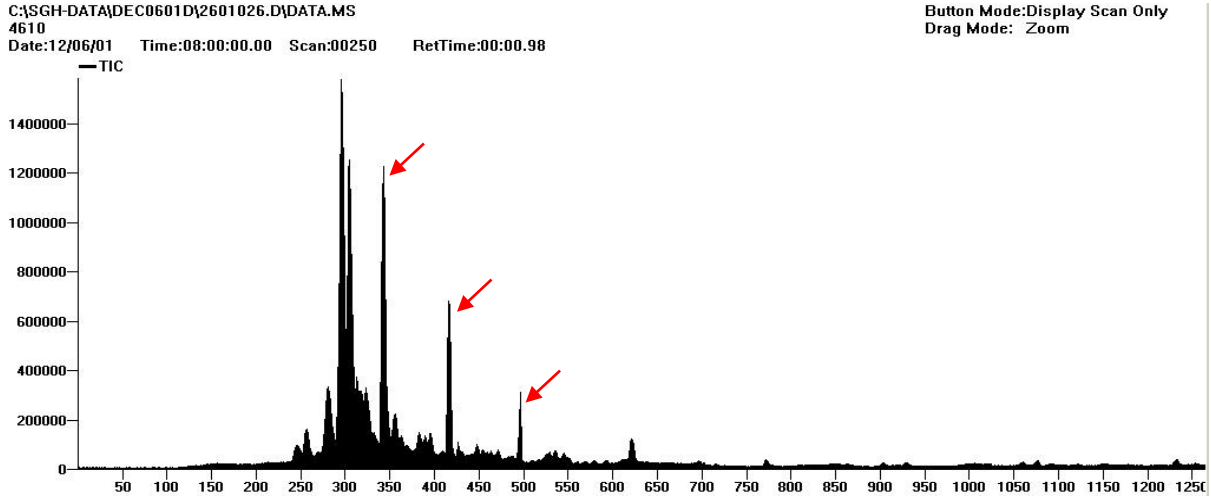
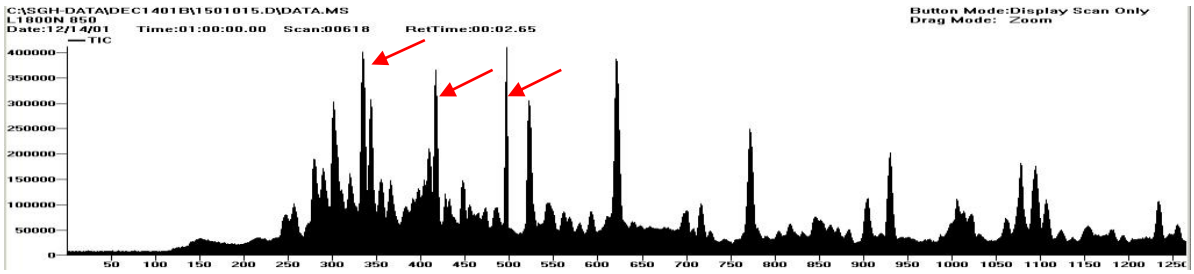
The red arrows point to three compounds that are a *portion* of the SGH signature for VMS type deposits. This visible portion of the VMS signature of hydrocarbons can easily be seen in the analysis of each of these four samples.

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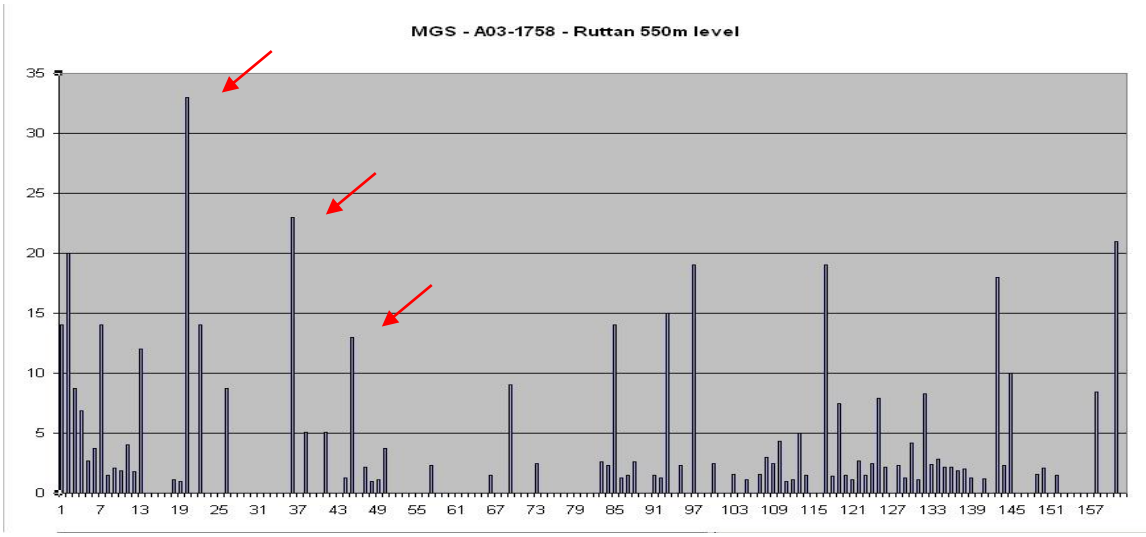
complete SGH VMS signature. The full VMS signature is made up of at least three groups, as three organic chemical classes, that together contain at least 35 of the individual SGH hydrocarbons.

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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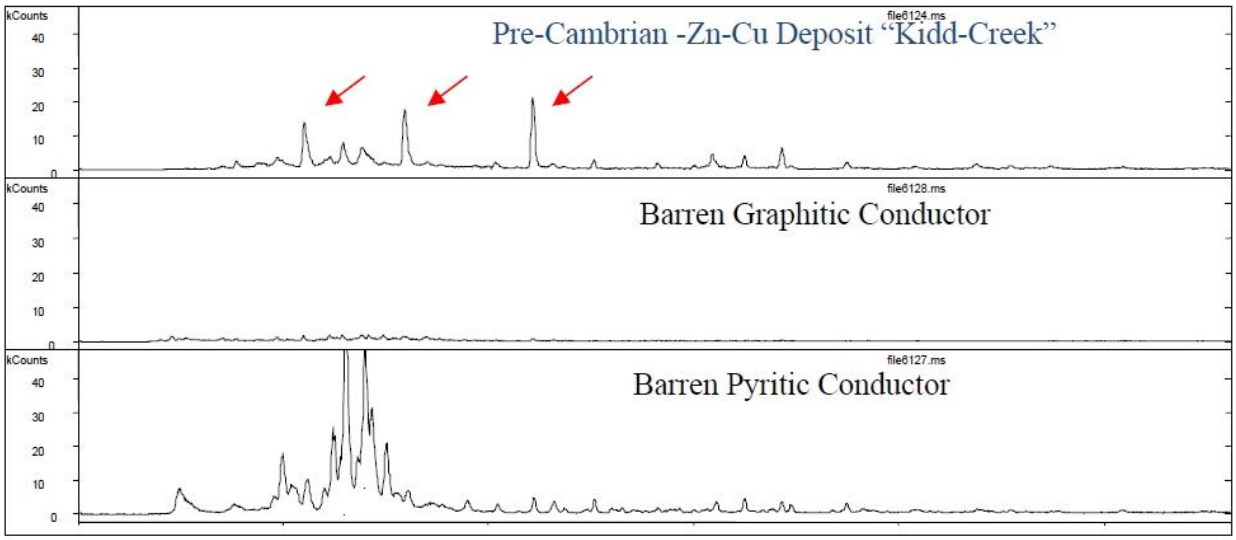

SGH has been described by the Ontario Geological Survey of Canada (OGS) as a "REDOX cell locator". Many SGH surveys for Gold and other mineral targets can result in multiple types of anomalies, depending on the class of SGH compounds, even over the same target and in the same set of samples. Thus "Apical", "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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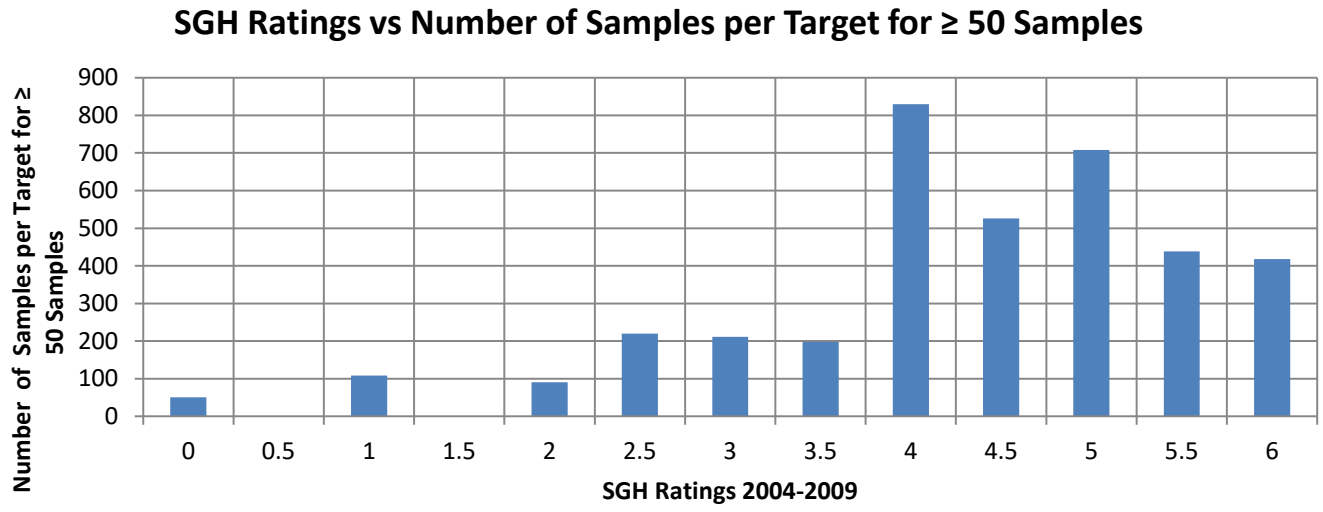
surveys. As explained in the previous section, the SGH rating is not just a rating of how definitive an SGH anomaly is, and it is not based just on the map(s) provided in this report. It is a rating of "confidence in the interpreted anomaly" from the combination of:

- (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.



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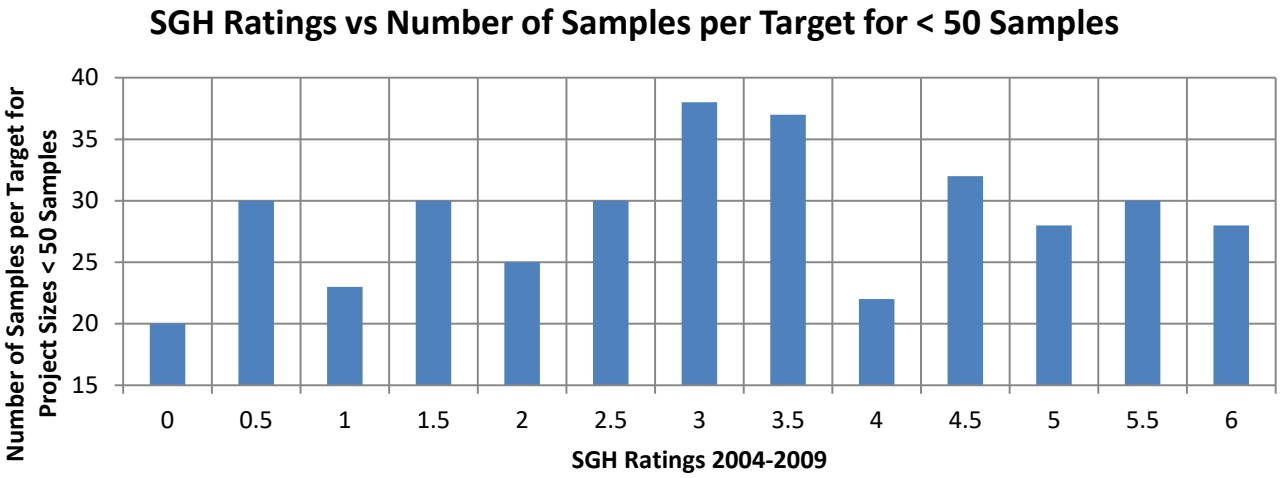
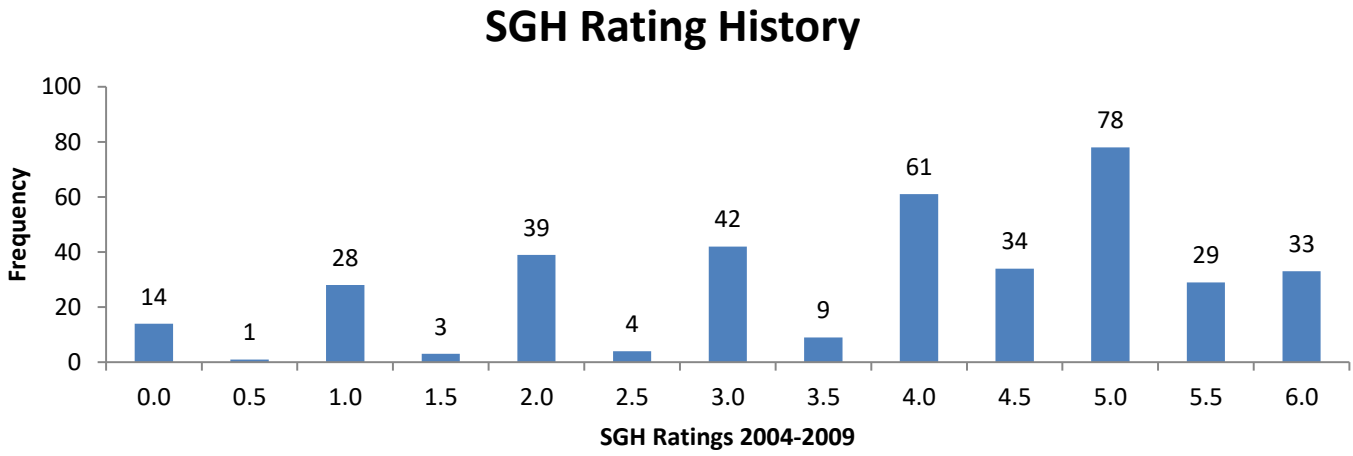
The rating frequency may be biased low as research projects often include a bare minimum of samples to reduce costs. Research projects may also be over targets known to be difficult to depict with geochemistry. Multiple targets in close vicinity in a survey may result in a low bias as the Pathfinder 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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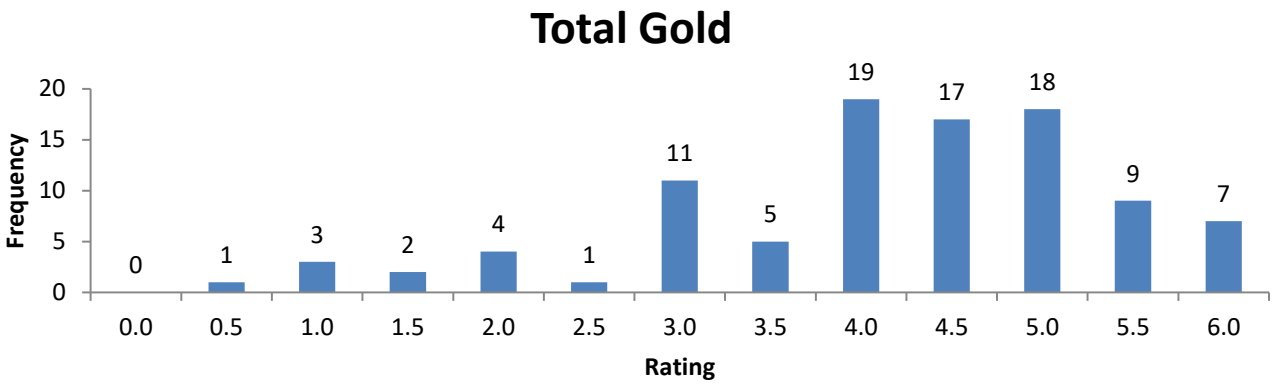
More specific for SGH interpretation for Gold targets, the overall rating frequency for 97 targets from January 2004 to December 2009 is shown in the chart below that also illustrates that surveys over more promising Gold targets are most often submitted for best use of research or exploration dollars.



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APPENDIX "H"

NOTE: THERE IS NEW PRICING FOR THE SGH GEOCHEMISTRY

SAMPLE PREPARATION: CODE SGH-1 - $4.25 per sample

INTERPRETATION FOR ONE COMMODITY TARGETS: Included in the price of analysis of $48.00 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": ($ 500.00) - 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 $1000 per area, thus a total of $2000.

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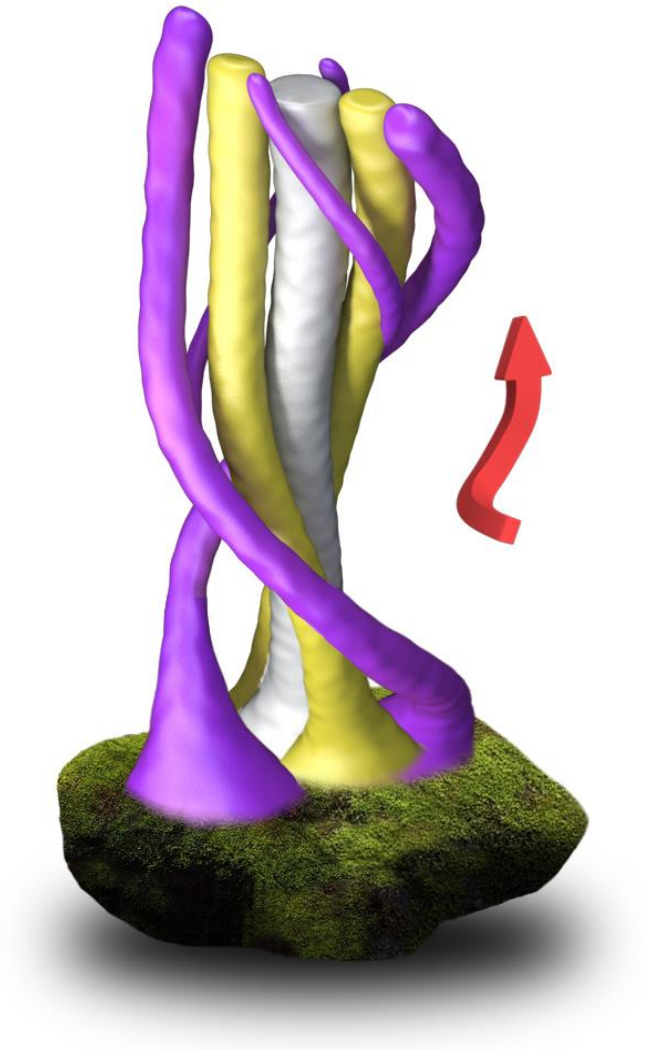
3D - SGH

"A SPATIOTEMPORAL GEOCHEMICAL HYDROCARBON INTERPRETATION"

RENAISSANCE GEOSCIENCE SERVICES INC. SADIM SOUTH BLOCK SGH SURVEY



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SGH – SOIL GAS HYDROCARBON
Predictive Geochemistry

for

RENAISSANCE GEOSCIENCE SERVICES INC.

SADIM SOUTH BLOCK SGH SOIL SURVEY

** Jeff Brown,*

Activation Laboratories Ltd

(- author)*

Dale Sutherland (- originator)

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

THE SGH GOLD AND COPPER INTERPRETATION TEMPLATES ARE USED FOR THIS REPORT

Workorder: A21-16533

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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 customized section for this SADIM SOUTH BLOCK Survey starts on page 15. In the author's opinion, the SGH response appeared to perform well in terms of response. The SGH data from the new submission of samples submitted with A21-16533 had a slightly lesser response than the previous data submitted with A20-15606 for Gold although a slightly higher response was detected for that of Copper. This difference in response required the use of data leveling, keep in mind that resulting data is considered "an approximation" and is thus reflected in the lower SGH confidence rating.

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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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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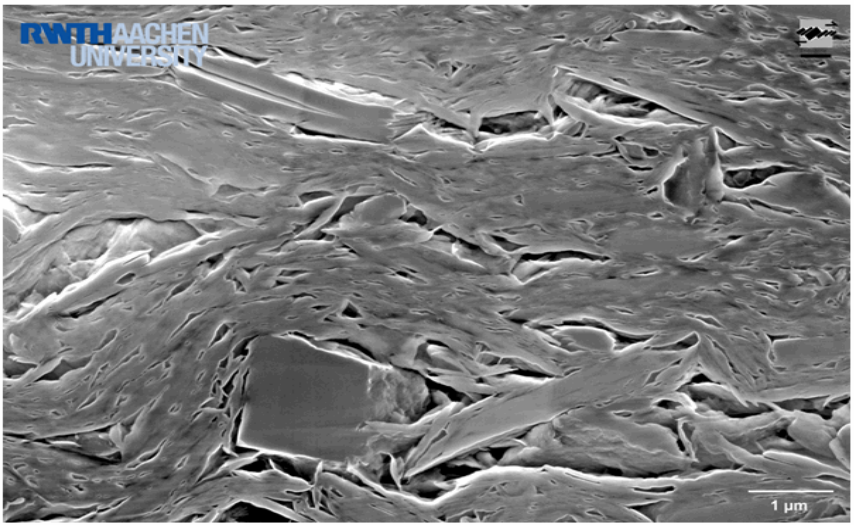
SGH INTERPRETATION – LATEST ENHANCEMENTS

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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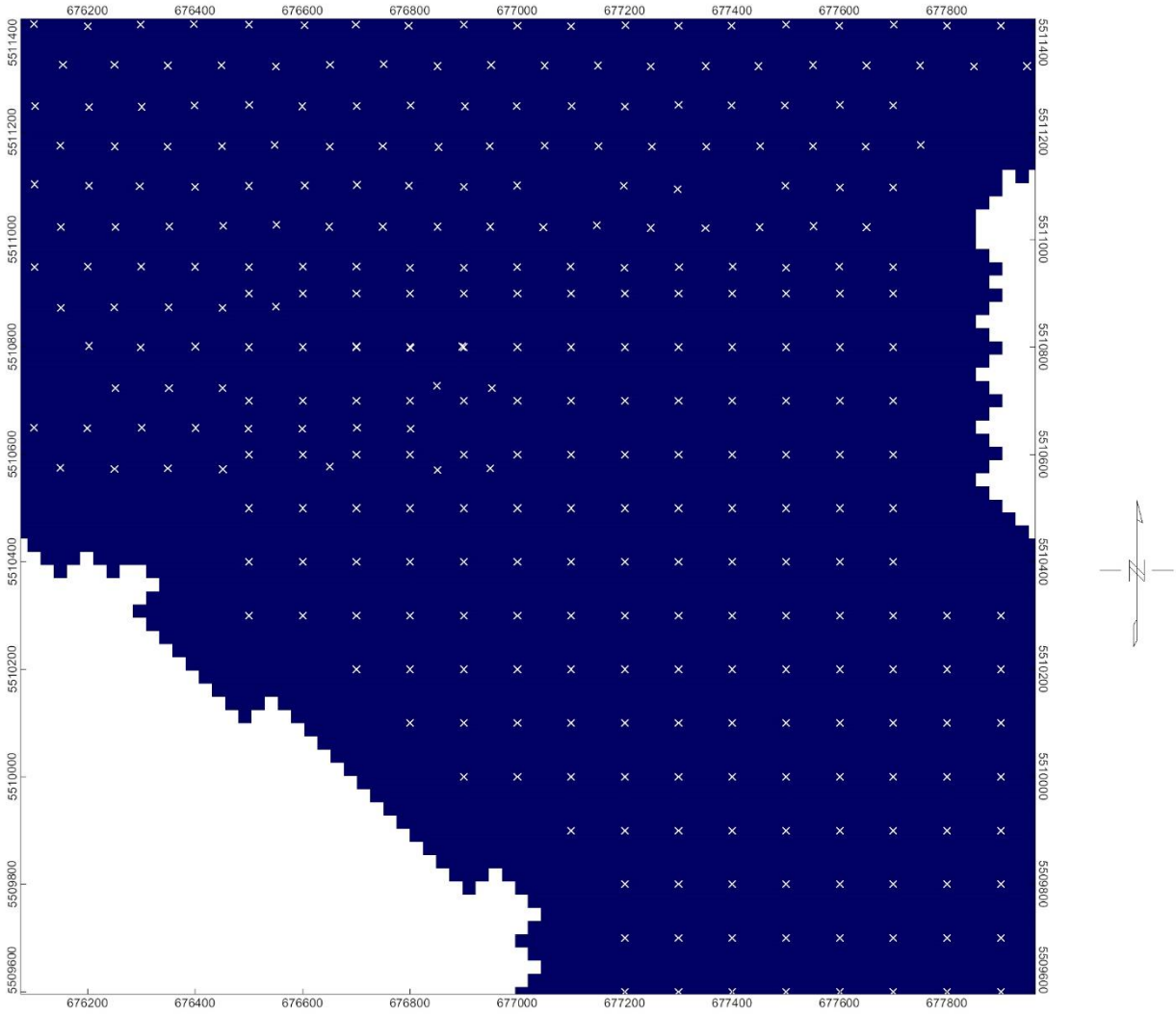
INTERPRETATION OF SGH RESULTS - A21-16533
RENAISSANCE GEOSCIENCE – SADIM SOUTH BLOCK SURVEY

This report is based on the SGH results from the analysis of a total of 323 soil samples from the SADIM SOUTH BLOCK survey. 161 newly submitted samples were combined with samples submitted with A20-15606. The survey can be described as a grid with 100m sample 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 relative format. A sample location map is shown below.



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SGH INTERPRETATION - A21-16533 – RENAISSANCE GEOSCIENCE QUALITY ASSURANCE – SADIM SOUTH BLOCK 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 SADIM SOUTH BLOCK Soil Survey was very good as demonstrated by 23 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 **12.4%** which represents a very good level of analytical performance especially at such low parts-per-trillion concentrations.

The **10 Field Duplicate samples submitted from the SADIM SOUTH BLOCK(North Block) Survey** was considered very good at **15.7%.** 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 SADIM SOUTH BLOCK survey samples.** A template or group of SGH Pathfinder Classes that have been found to be associated with buried Gold and Copper 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 maps 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 Redox conditions and copper and 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 SADIM SOUTH BLOCK survey area. The maps shown represent 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 Copper and 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 Copper and 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 Copper and 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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A21-16533 – RENAISSANCE GEOSCIENCE
SADIM SOUTH BLOCK 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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A21-16533 – RENAISSANCE GEOSCIENCE
SADIM SOUTH BLOCK 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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A21-16533 – RENAISSANCE GEOSCIENCE – SADIM SOUTH BLOCK SGH "REDOX" INTERPRETATION

As a general comment in regard to the SGH results at the SADIM SOUTH BLOCK Soil Survey, the newly submitted samples had good signal strength and the SGH Class maps in this report are quite 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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A21-16533 – RENAISSANCE GEOSCIENCE
SADIM SOUTH BLOCK SOIL SURVEY
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 map 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 Copper and Gold based on previous research and case studies. Other SGH Classes at the SADIM SOUTH BLOCK survey also agrees with the interpretations shown in the following pages.

This portion of the SGH hydrocarbon signatures is predicted to be associated with Copper and 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 Copper and/or 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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A21-16533 – RENAISSANCE GEOSCIENCE – SADIM SOUTH BLOCK 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. With the additional samples added to this survey, SGH was able to identify another potential area of gold mineralization as illustrated by what appears to be a ridge of apical anomalies in the northern portion of the survey also within and extending from a potential redox zone. This new area showed less agreement between the SGH classes for gold which is reflected in lower SGH confidence rating. The Original anomaly can still be observed in the southern portion of the survey. We believe that mineralization might exist at these locations as a vertical projection beneath these anomalies. Several 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 SADIM SOUTH BLOCK SGH Project.

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

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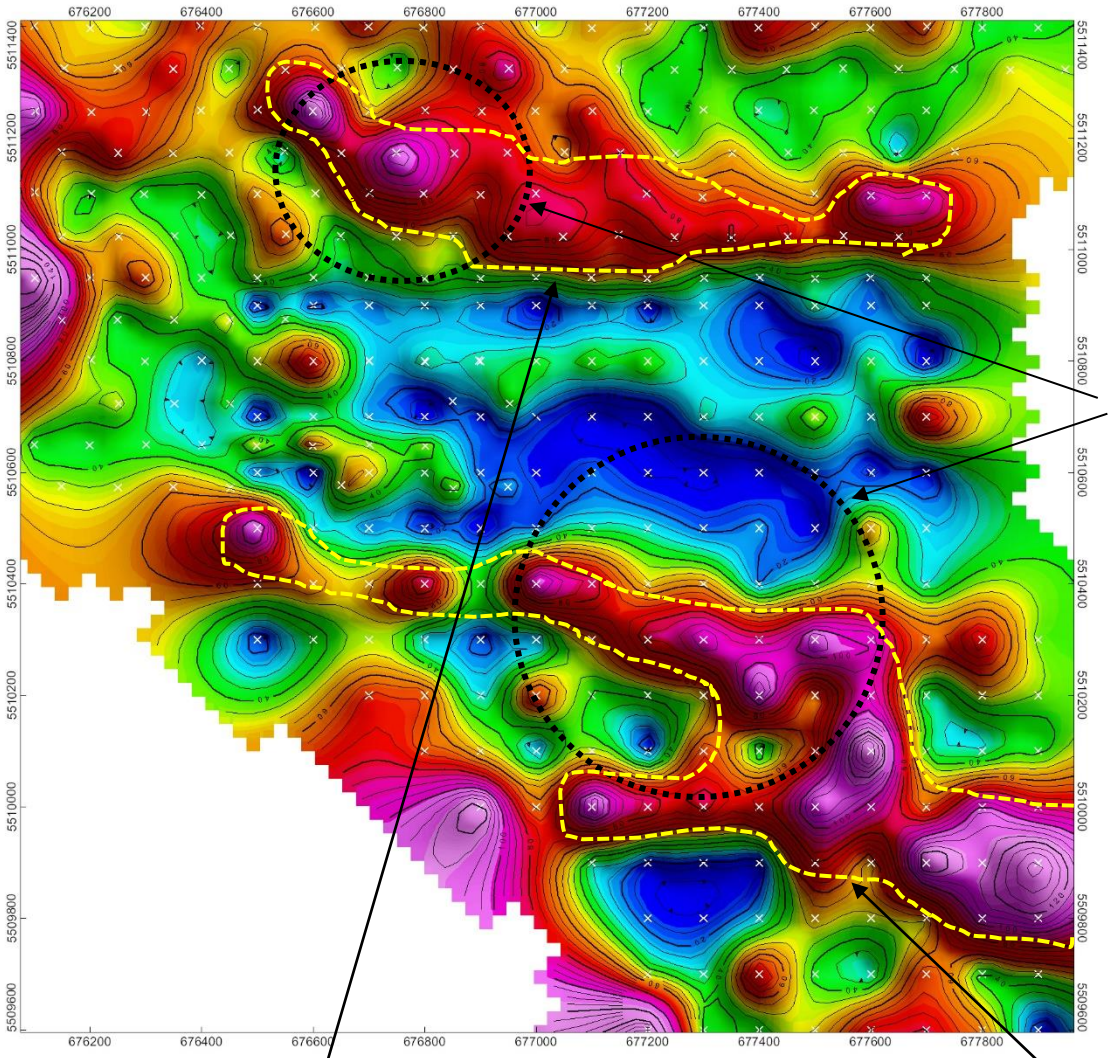
A21-16533 – RENAISSANCE GEOSCIENCE – SADIM SOUTH BLOCK
SGH "GOLD" PATHFINDER CLASS MAP



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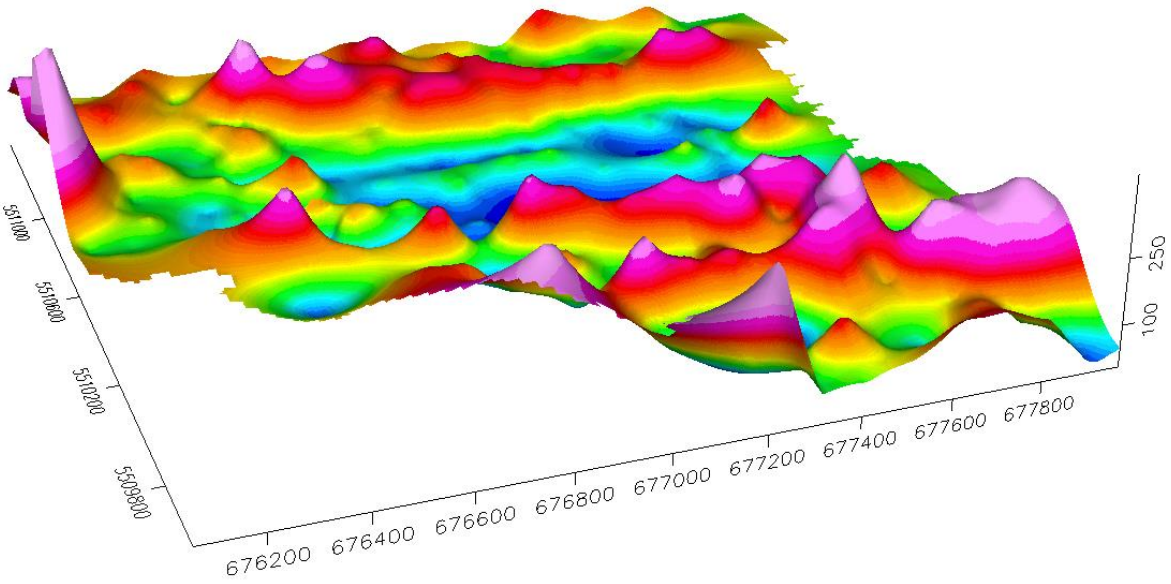
A21-16533 – RENAISSANCE GEOSCIENCE – SADIM SOUTH BLOCK
SGH "GOLD" PATHFINDER CLASS MAP



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A21-16533 – RENAISSANCE GEOSCIENCE – SADIM SOUTH BLOCK SGH COPPER INTREPRETATION

Page 26 of this report, and in 3D-view on page 27, shows the anomalies from one of the most reliable SGH Pathfinder Classes in predicting the presence of Copper Mineralization. It is possible that each of the apical anomalies on page 26 may be related to some type of copper mineralization. None of these anomalies are expected to be due to noise although each individual occurrence has not been interpreted. The most important locations that might be investigated further are those that have synergy with the Redox Zones. 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 copper mineralization (not shown in this report) support this interpretation of these anomalies at the SADIM SOUTH BLOCK SGH Project.

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

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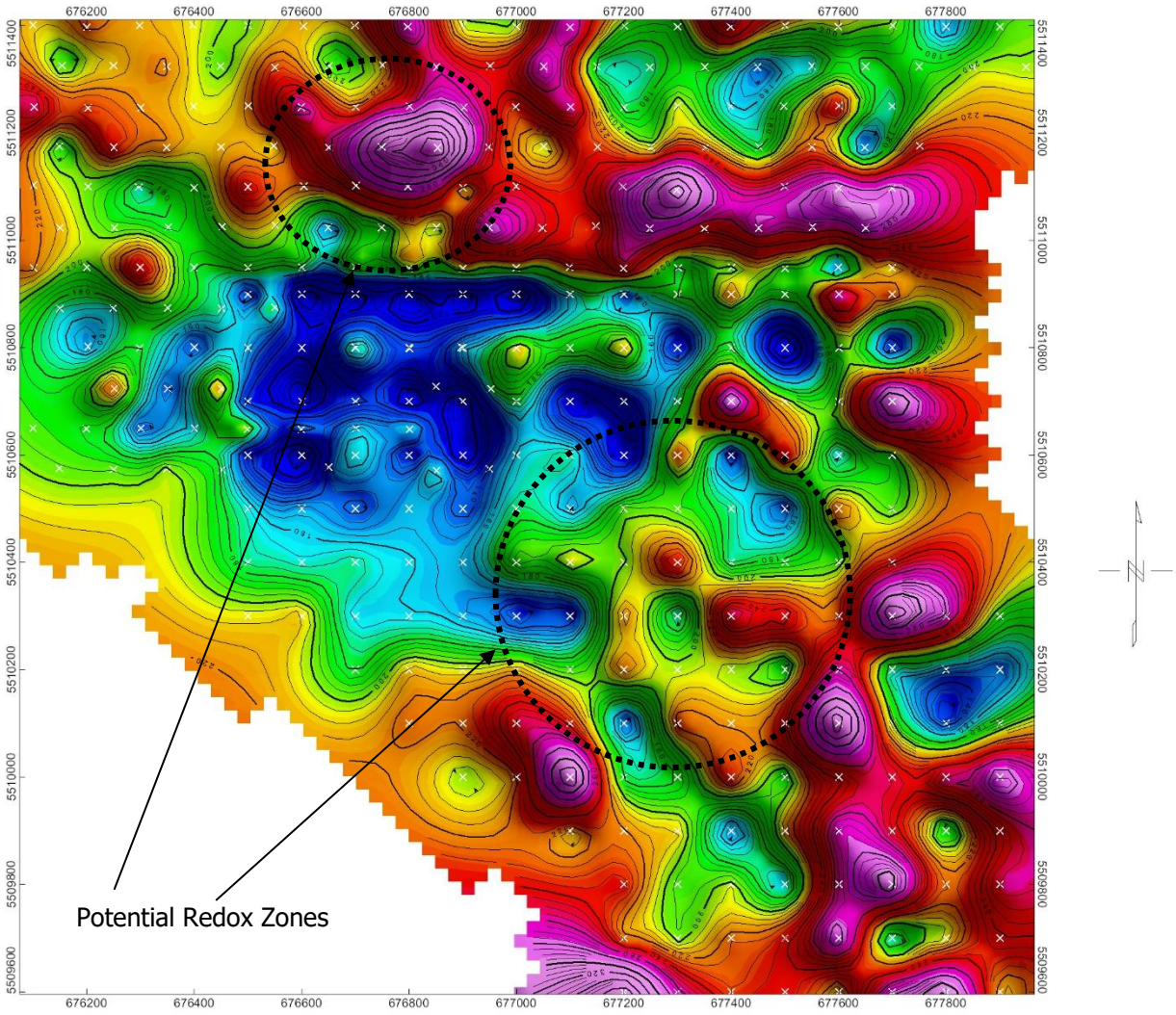
A21-16533 – RENAISSANCE GEOSCIENCE – SADIM SOUTH BLOCK
SGH "COPPER" PATHFINDER CLASS MAP



SGH APICAL ANOMALIES = POSSIBLE COPPER MINERALIZATION

SGH SIGNATURE RATING RELATIVE TO "COPPER" = 3.5 OF 6.0

GEOSOFT

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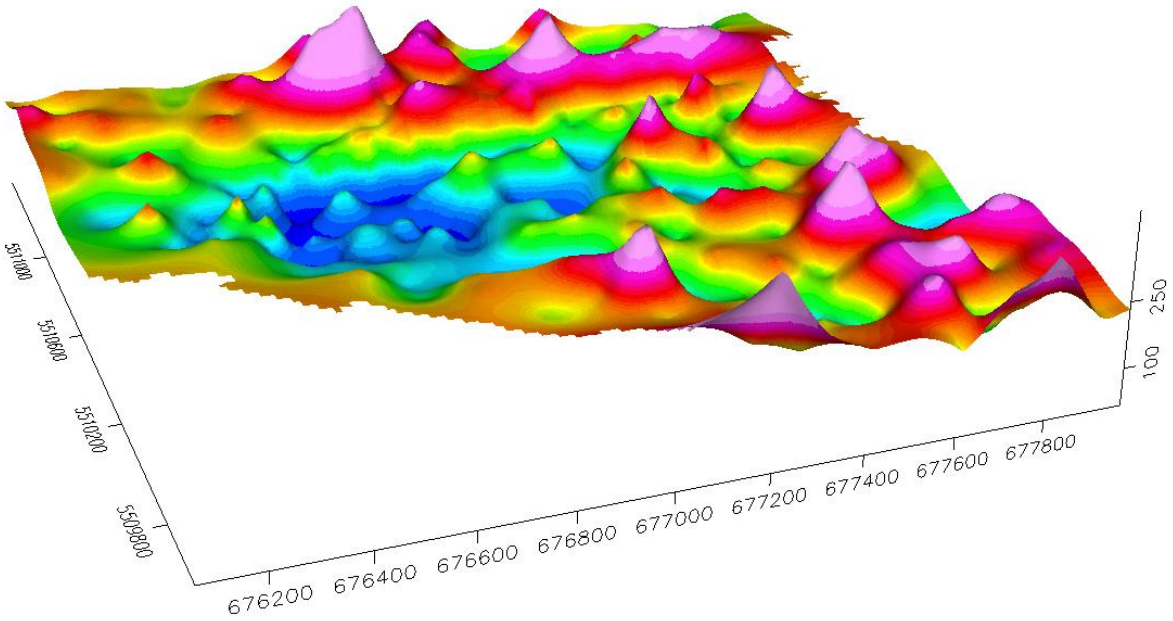
A21-16533 – RENAISSANCE GEOSCIENCE – SADIM SOUTH BLOCK
SGH "COPPER" PATHFINDER CLASS MAP



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A21-16533 – RENAISSANCE GEOSCIENCE
SADIM SOUTH BLOCK SOIL SURVEY
SGH INTERPRETATION FOR THE PRESENCE OF MINERALIZATION

The interpretation of the SGH data on page 23 and 26 relative to the presence of Gold and Copper mineralization at the Renaissance Geoscience SADIM SOUTH BLOCK survey may be based on the makeup of SGH signatures with the possible presence of mineralization.

The SGH data from the new submission of samples submitted with A21-16533 had a slightly lesser response than the previous data submitted with A20-15606 for Gold although a slightly higher response was detected for that of Copper. This difference in response required the use of data leveling, keep in mind that resulting data is considered "an approximation" and is thus reflected in the lower SGH confidence rating.

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 SADIM SOUTH BLOCK survey assigned to the anomalies in general on these maps where the anomalies coincide on their location is on average 4.0 on a scale of 6.0. The Rating for the SADIM SOUTH BLOCK survey means that, based only on SGH, that there is a good chance 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 and 26 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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A21-16533 – RENAISSANCE GEOSCIENCE
SADIM SOUTH BLOCK SURVEY
SGH INTERPRETATION FOR THE PRESENCE OF MINERALIZATION

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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A21-16533 – RENAISSANCE GEOSCIENCE
SADIM SOUTH BLOCK 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 SADIM SOUTH BLOCK 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): September 10, 2021

Date Analysis Complete: October 19, 2021

Interpretation Report: January 12, 2022

RENAISSANCE GEOSCIENCE SERVICES INC.

680 Dairy Road,

Kamloops, BC, Canada

V2B 8N5

Attention: Leopold Lindinger

RE: Your Reference: SADIM SOUTH BLOCK Survey

Activation Laboratories Workorder: A21-16533

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.

161 Samples were analyzed for this submission.

Sample preparation –Actlabs Ancaster - S4: Drying at 40°C and Sieving with -80 mesh collected

Interpretation relative to Gold and Copper 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: A21-16533

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at the time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of the material submitted for analysis.

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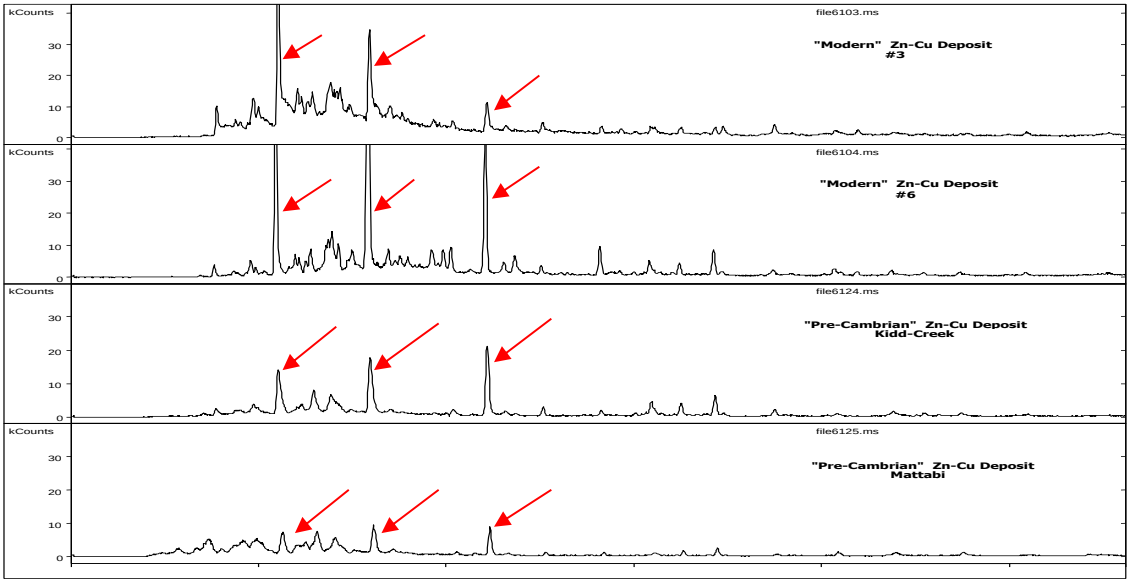
APPENDIX "B"
EXAMPLE OF AN SGH FORENSIC GEOCHEMICAL SIGNATURE
EXAMPLE SHOWN FOR A VMS TARGET

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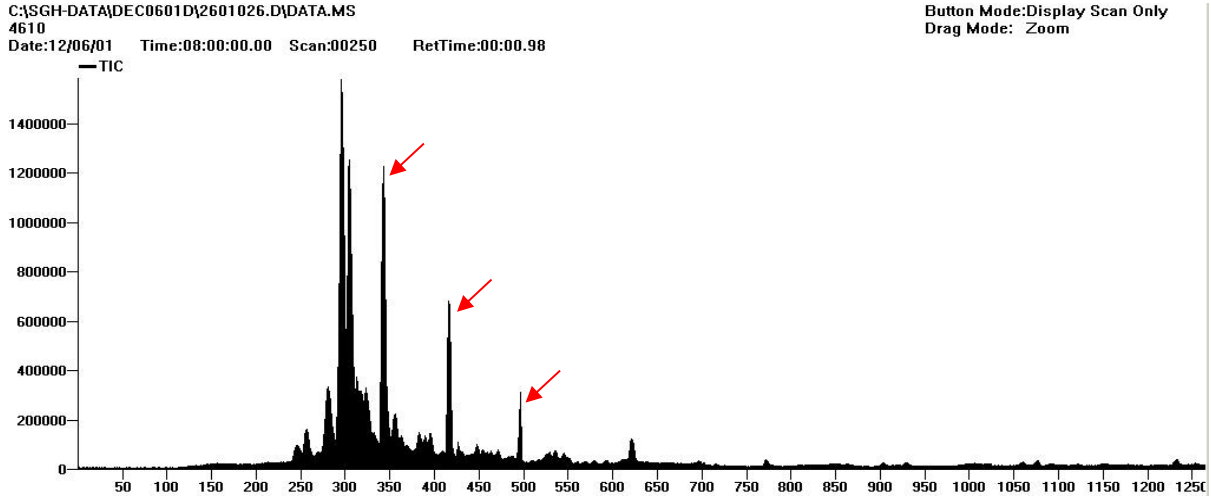
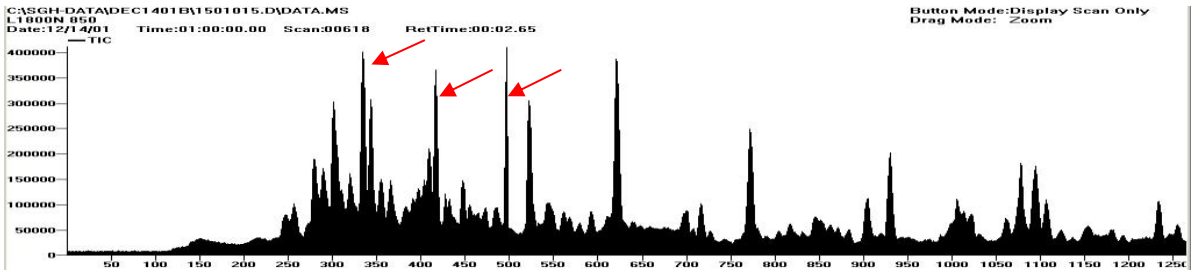
The red arrows point to three compounds that are a *portion* of the SGH signature for VMS type deposits. This visible portion of the VMS signature of hydrocarbons can easily be seen in the analysis of each of these four samples.

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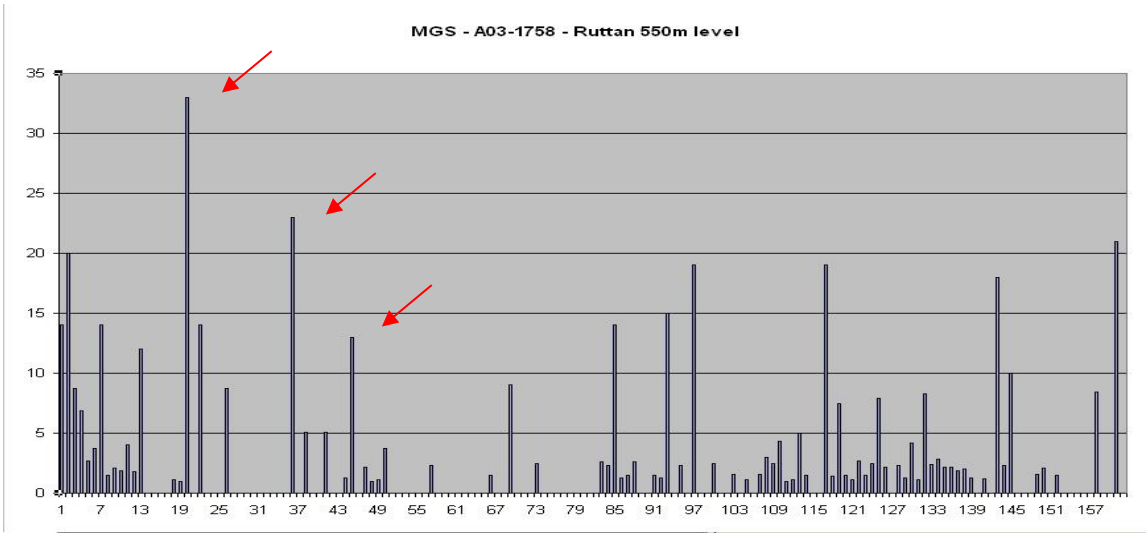
complete SGH VMS signature. The full VMS signature is made up of at least three groups, as three organic chemical classes, that together contain at least 35 of the individual SGH hydrocarbons.

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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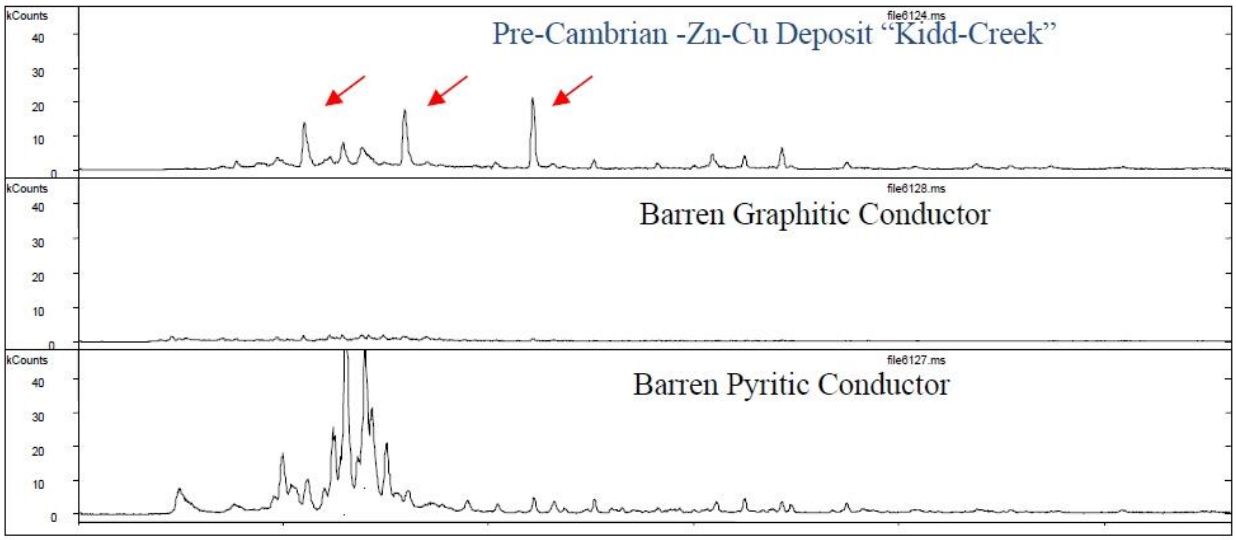

SGH has been described by the Ontario Geological Survey of Canada (OGS) as a "REDOX cell locator". Many SGH surveys for Gold and other mineral targets can result in multiple types of anomalies, depending on the class of SGH compounds, even over the same target and in the same set of samples. Thus "Apical", "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 -60 mesh sieve fraction (<250 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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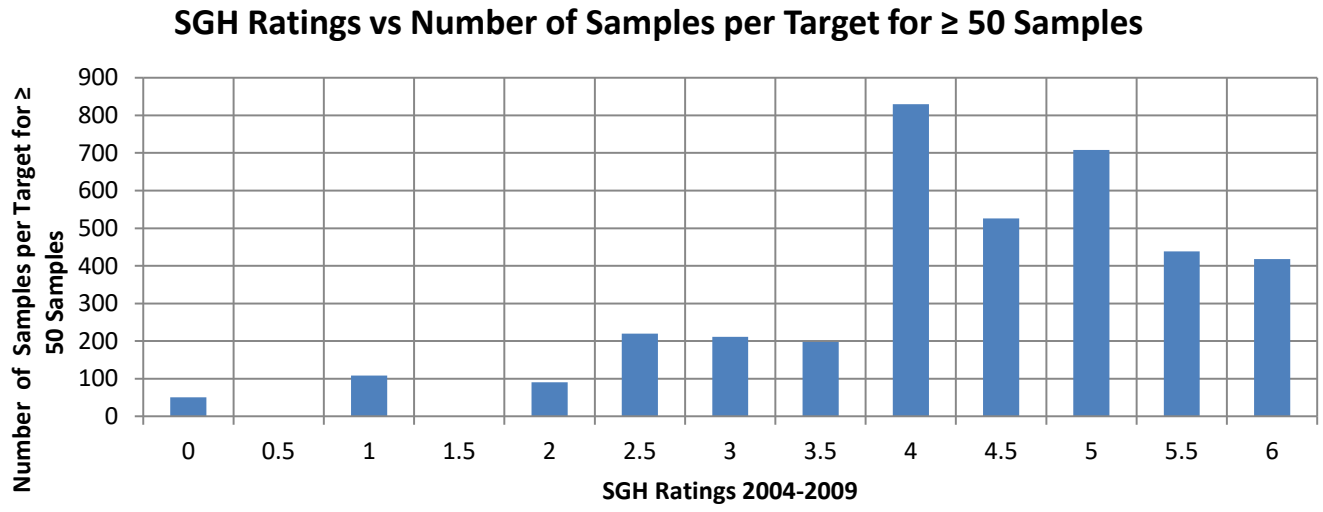
surveys. As explained in the previous section, the SGH rating is not just a rating of how definitive an SGH anomaly is, and it is not based just on the map(s) provided in this report. It is a rating of "confidence in the interpreted anomaly" from the combination of:

- (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.



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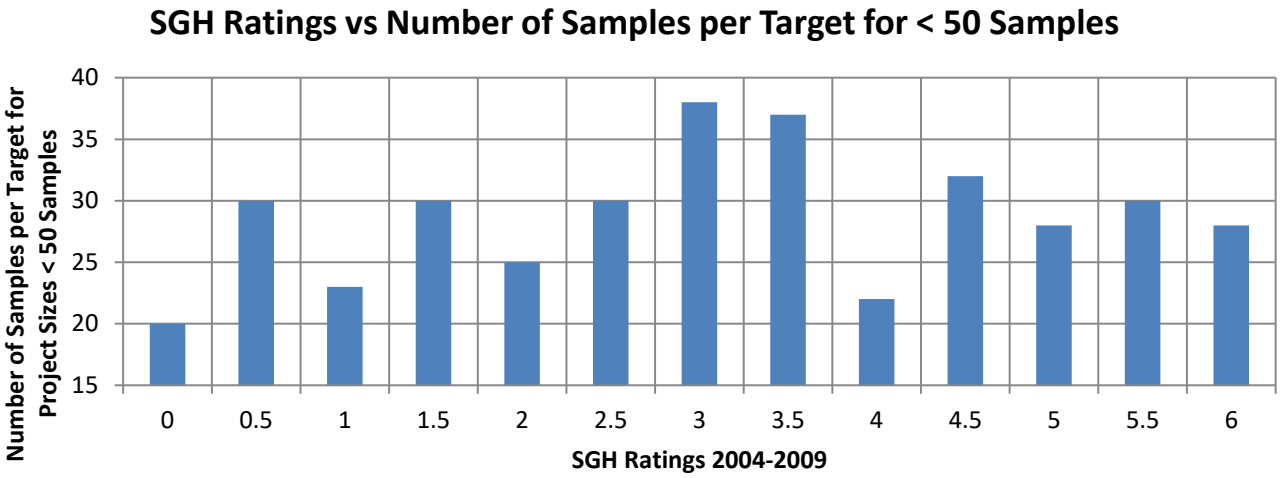
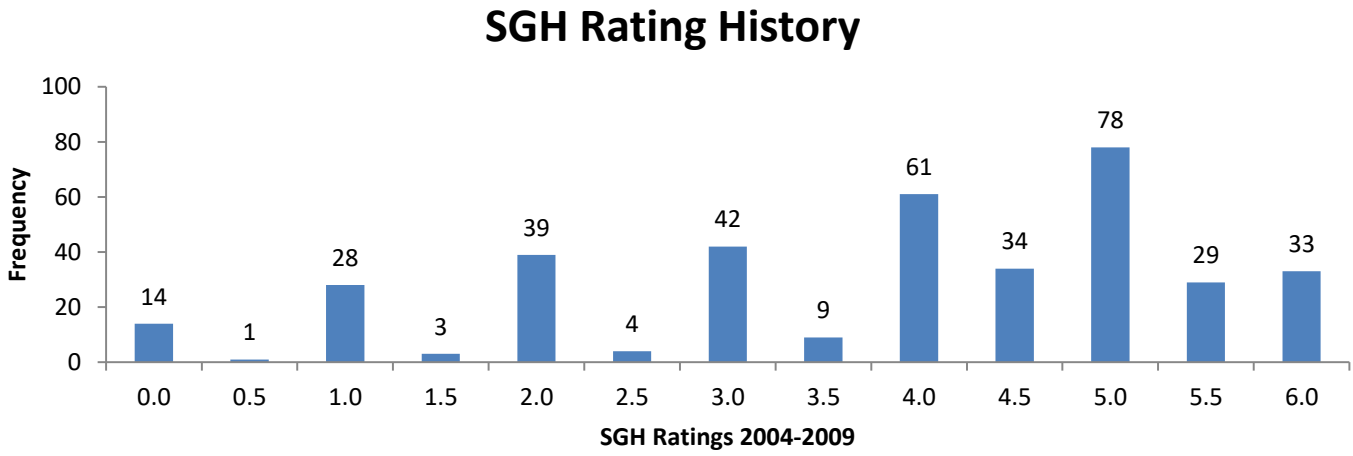
The rating frequency may be biased low as research projects often include a bare minimum of samples to reduce costs. Research projects may also be over targets known to be difficult to depict with geochemistry. Multiple targets in close vicinity in a survey may result in a low bias as the Pathfinder 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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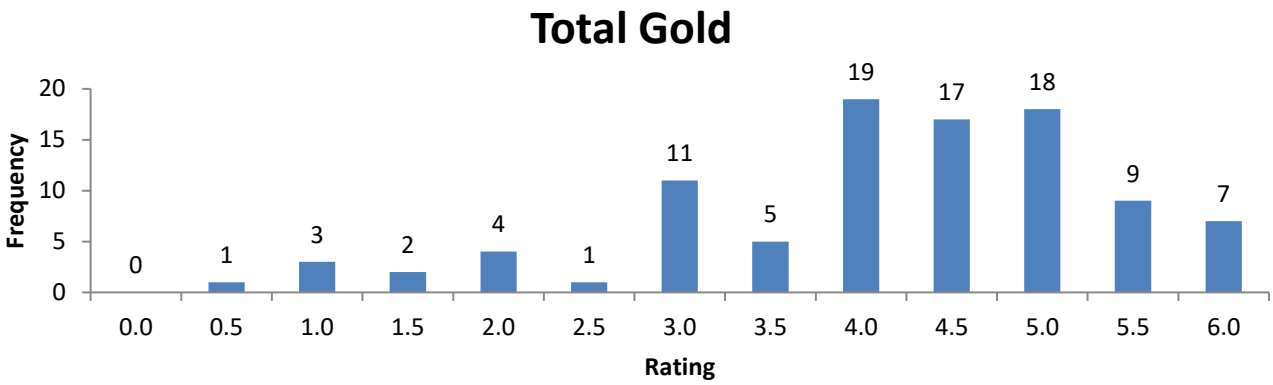
More specific for SGH interpretation for Gold targets, the overall rating frequency for 97 targets from January 2004 to December 2009 is shown in the chart below that also illustrates that surveys over more promising Gold targets are most often submitted for best use of research or exploration dollars.



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APPENDIX "H"

NOTE: THERE IS NEW PRICING FOR THE SGH GEOCHEMISTRY

SAMPLE PREPARATION: CODE S4 - $4.25 per sample

INTERPRETATION FOR ONE COMMODITY TARGETS: Included in the price of analysis of $48.00 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": ($ 500.00) - 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 $1000 per area, thus a total of $2000.

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Renaissance Geoscience Services Inc. SGH Units – ppt (Parts-per-trillion)
SADIM Survey

	SGH-Gold
600N 7200E	164.1
600N 7300E	33.0
600N 7400E	40.6
600N 7500E	49.7
600N 7600E	98.2
600N 7600E-R	59.1
600N 7700E	81.0
600N 7800E	63.9
600N 7900E	13.7
700N 7200E	42.9
700N 7300E	29.9
700N 7400E	84.2
700N 7500E	36.4
700N 7600E	26.7
700N 7700E	71.7
700N 7800E	34.5
700N 7900E	46.6
800N 7200E	15.4
800N 7300E	11.4
800N 7400E	26.6
800N 7500E	44.4
800N 7500E-R	63.3
800N 7600E	48.6
800N 7700E	48.8
800N 7800E	110.2
800N 7900E	120.0
900N 7100E	29.4
900N 7200E	14.6
900N 7300E	16.6
900N 7400E	11.6
900N 7500E	83.1
900N 7600E	48.6
900N 7700E	135.9
900N 7800E	109.9
900N 7900E	139.9
1000N 6900E	130.6
1000N 7000E	83.4
1000N 7000E-R	35.6
1000N 7100E	124.6
1000N 7200E	90.3
1000N 7300E	87.3
1000N 7400E	79.7
1000N 7500E	118.4
1000N 7600E	95.5
1000N 7700E	59.7
1000N 7800E	105.7
1000N 7900E	82.0

1100N 6800E	66.3
1100N 6900E	50.5
1100N 7000E	19.8
1100N 7100E	46.7
1100N 7200E	10.7
1100N 7300E	47.7
1100N 7300E-R	94.8
1100N 7400E	29.0
1100N 7500E	63.6
1100N 7600E	154.1
1100N 7700E	33.6
1100N 7800E	28.1
1100N 7900E	35.6
1200N 6700E	72.8
1200N 6800E	71.7
1200N 6900E	26.7
1200N 7000E	74.3
1200N 7100E	38.3
1200N 7200E	41.5
1200N 7300E	46.3
1200N 7400E	119.0
1200N 7500E	32.8
1200N 7500E-R	74.8
1200N 7600E	94.9
1200N 7700E	26.5
1200N 7800E	52.5
1200N 7900E	45.0
1300N 6500E	13.6
1300N 6600E	34.0
1300N 6700E	45.3
1300N 6800E	22.4
1300N 6900E	15.5
1300N 7000E	18.8
1300N 7100E	53.3
1300N 7200E	87.6
1300N 7300E	103.4
1300N 7400E	86.0
1300N 7500E	118.1
1300N 7500E-R	109.3
1300N 7600E	102.5
1300N 7700E	66.0
1300N 7800E	83.1
1300N 7900E	41.7
1400N 6500E	57.6
1400N 6600E	61.1
1400N 6700E	54.6
1400N 6800E	98.0
1400N 6900E	36.0
1400N 7000E	112.2
1400N 7100E	87.2
1400N 7200E	50.1

1400N 7300E	58.9
1400N 7400E	18.7
1400N 7500E	44.1
1400N 7500E-R	28.7
1400N 7600E	48.1
1400N 7700E	27.2
1500N 6500E	118.6
1500N 6600E	26.4
1500N 6700E	18.3
1500N 6800E	8.8
1500N 6900E	5.5
1500N 7000E	15.9
1500N 7100E	31.4
1500N 7200E	28.9
1500N 7300E	17.3
1500N 7400E	24.0
1500N 7500E	9.3
1500N 7600E	59.4
1500N 7700E	19.5
1500N 7700E-R	32.4
1600N 6500E	13.3
1600N 6600E	2.9
1600N 6700E	55.6
1600N 6800E	30.4
1600N 6900E	13.0
1600N 7000E	10.9
1600N 7100E	19.8
1600N 7200E	8.5
1600N 7300E	8.3
1600N 7400E	9.3
1600N 7500E	20.4
1600N 7600E	11.5
1600N 7700E	12.5
1700N 6500E	6.5
1700N 6600E	13.6
1700N 6600E-R	37.2
1700N 6700E	20.6
1700N 6800E	6.0
1700N 6900E	15.0
1700N 7000E	18.5
1700N 7100E	4.7
1700N 7200E	10.9
1700N 7300E	31.6
1700N 7400E	32.0
1700N 7500E	48.6
1700N 7600E	24.9
1700N 7700E	88.5
1800N 6500E	50.4
1800N 6600E	82.1
1800N 6700E	27.0
1800N 6800E	47.2

1800N 6800E-R	13.0
1800N 6900E	20.2
1800N 7000E	38.6
1800N 7100E	40.5
1800N 7200E	42.5
1800N 7300E	26.7
1800N 7400E	16.5
1800N 7500E	2.7
1800N 7600E	37.3
1800N 7700E	5.3
1900N 6500E	6.5
1900N 6600E	12.6
1900N 6700E	20.7
1900N 6800E	22.6
1900N 6900E	21.1
1900N 7000E	4.9
1900N 7000E-R	8.1
1900N 7100E	21.1
1900N 7200E	11.7
1900N 7300E	28.5
1900N 7400E	15.7
1900N 7500E	35.0
1900N 7600E	19.2
1900N 7700E	37.3

Renaissance Geoscience Services Inc. SGH Units – ppt (Parts-per-trillion)
SADIM North Block SGH Project

	SGH-Redox	SGH-Copper	SGH-Gold
SP0001-S	486	11.9	11.5
SP0002-S	668	16.2	15.7
SP0003-S	486	16.6	17.2
SP0004-S	472	13.6	16.9
SP0005-S	658	15.3	19.1
SP0005-S-R	563	11.1	21.2
SP0006-S	945	15.3	21.5
SP0007-S	439	12.1	17.2
SP0009-S	260	8.2	21.8
SP0010-S	351	15.1	20.5
SP0011-S	336	5.7	19.4
SP0012-S	509	19.6	20.5
SP0013-S	992	12.6	24.5
SP0014-S	470	18.2	21.8
SP0015-S	423	13.3	17.4
SP0016-S	446	7.3	18.7
SP0018-S	602	15.7	23.1
SP0019-S	540	15.8	21.0
SP0020-S	607	8.8	22.6
SP0021-S	306	14.1	22.4
SP0022-S	568	13.2	14.4
SP0022-S-R	576	7.9	20.3
SP0023-S	483	18.0	18.2
SP0024-S	685	10.0	18.2
SP0025-S	307	9.2	21.4
SP0026-S	622	10.3	17.7
SP0027-S	328	20.5	17.2
SP0028-S	222	8.2	14.9
SP0029-S	479	12.6	19.2
SP0030-S	390	20.1	18.4
SP0031-S	976	15.3	23.1
SP0032-S	357	9.6	17.5
SP0033-S	537	6.8	14.7
SP0034-S	595	14.4	18.0
SP0035-S	805	10.3	17.4
SP0036-S	294	11.2	13.7
SP0037-S	240	11.5	13.9
SP0037-S-R	329	15.0	14.5
SP0038-S	338	10.2	13.8
SP0039-S	409	2.9	14.1
SP0040-S	265	15.4	17.8
SP0041-S	272	12.7	12.7
SP0021-SB	396	22.7	16.3
SP0023-SB	114	8.6	7.9
SP0027-SB	440	11.8	14.6
SP0036-SB	472	9.3	15.0
SP0042-SA	1057	26.5	23.2

SP0042-SB	671	8.1	25.6
SP0043-S	895	11.6	25.4
SP0044-S	1154	9.2	23.5
SP0045-S	784	8.9	24.1
SP0045-S-R	1098	11.6	25.5
SP0046-S	494	14.6	22.7
SP0047-S	1339	15.5	25.4
SP0048-S	842	3.1	21.8
SP0049-S	1336	5.1	25.2
SP0050-SA	1223	3.1	24.4
SP0050-SB	1312	3.4	22.0
SP0051-S	523	8.1	24.5
SP0052-S	1113	23.7	29.2
SP0053-S	907	6.3	22.4
SP0054-S	637	16.0	19.1
SP0055-S	305	8.9	25.5
SP0056-S	423	10.7	24.5
SP0057-S	504	5.6	24.7
SP0058-S	844	14.3	19.6
SP0059-S	699	6.5	17.9
SP0059-S-R	1150	7.5	19.4
SP0060-SA	910	13.1	22.6
SP0060-SB	635	11.0	21.2
SP0061-S	725	8.1	19.4
SP0062-S	541	4.1	20.2
SP0063-S	406	6.1	17.7
SP0064-S	417	3.6	20.8
SP0065-S	385	12.9	20.1
SP0066-S	330	11.3	19.8
SP0067-S	642	20.0	21.7
SP0068-S	450	4.3	20.1
SP0069-S	738	7.1	22.7
SP0070-SA	140	4.3	17.9
SP0070-SB	252	6.2	19.8
SP0071-S	370	9.0	18.1
SP0072-S	311	14.4	21.9
SP0072-S-R	559	8.0	22.3
SP0073-S	259	5.5	34.3
SP0074-S	373	12.9	17.2
SP0075-S	338	5.0	14.1
SP0076-S	312	17.0	20.6
SP0077-S	463	23.8	22.5
SP0078-S	693	46.7	21.5
SP0079-S	317	16.3	17.6
SP0080-SA	574	27.5	18.4
SP0080-SB	782	21.9	21.4
SP0081-S	512	7.1	18.4
SP0082-S	547	30.0	18.8
SP0083-S	255	7.6	20.4
SP0084-S	383	10.7	19.1
SP0085-S	255	14.8	13.0

SP0086-S	375	9.1	19.5
SP0086-S-R	353	12.8	22.4
SP0087-S	372	9.4	18.3
SP0088-S	387	7.2	19.4
SP0089-S	663	8.2	20.8
SP0090-SA	2637	22.1	26.6
SP0090-SB	235	5.1	23.0
SP0091-S	444	18.6	20.0
SP0092-S	566	14.0	16.8
SP0093-S	331	20.2	20.6
SP0094-S	98	11.1	18.0
SP0095-S	459	19.2	15.2
SP0096-S	160	10.4	12.7
SP0097-S	290	6.0	17.2
SP0098-S	199	4.6	22.8
SP0099-S	229	9.5	16.8
SP0100-SA	206	3.9	15.1
SP0100-SA-R	178	3.7	14.1
SP0100-SB	220	3.9	14.8
SP0101-S	419	12.7	16.6
SP0102-S	471	31.7	16.2
SP0103-S	141	4.2	15.8
SP0104-S	418	6.2	16.0
SP0105-S	315	5.7	16.9
SP0106-S	748	4.0	15.8
SP0107-S	235	8.3	13.3
SP0108-S	235	4.4	14.4
SP0109-S	363	10.2	15.3
SP0110-SB	562	5.2	13.5
SP0110-SA	496	10.4	13.4
SP0111-S	588	12.9	16.2
SP0112-S	135	11.3	15.6
SP0113-S	564	16.4	17.6
SP0114-S	314	18.8	14.4
SP0114-S-R	405	13.5	16.4
SP0115-S	491	26.3	17.4
SP0116-S	130	3.8	12.3
SP0117-S	152	4.1	15.3
SP0118-S	329	9.4	14.3
SP0119-S	198	3.2	14.3
SP0120-SA	365	20.4	11.1
SP0120-SB	533	7.2	12.7
SP0121-S	365	9.2	13.7
SP0122-S	402	1.4	12.8
SP0123-S	248	2.8	12.0
SP0124-S	413	11.7	14.2
SP0125-S	399	15.9	15.8
SP0126-S	220	10.4	10.6
SP0127-S	591	3.6	16.8
SP0128-S	508	10.9	14.6
SP0128-S-R	476	16.2	11.4

SP0129-S	120	10.3	12.2
SP0130-SB	154	2.3	15.2
SP0130-SA	154	2.2	16.2
SP0131-S	438	23.1	9.0
SP0132-S	324	8.0	12.6
SP0133-S	45	2.7	9.1
SP0134-S	319	2.3	11.6
SP0135-S	475	12.4	12.5
SP0136-S	167	1.0	9.4
SP0137-S	249	7.8	11.3
SP0138-S	151	6.2	11.1
SP0139-S	156	3.5	9.9
SP0140-SB	192	7.2	9.9
SP0140-SA	116	8.6	11.1
SP0141-S	170	13.1	13.6
SP0141-S-R	251	10.7	15.3
SP0142-S	69	2.8	7.6
SP0143-S	198	3.0	13.1
SP0144-S	52	7.3	16.4
SP0145-S	321	2.2	12.6
SP0146-S	82	6.9	10.7
SP0147-S	147	11.4	12.2
SP0148-S	80	7.1	11.0
SP0149-S	593	5.3	11.0
SP0150-SB	87	2.6	11.8
SP0150-SA	141	2.1	13.0
SP0151-S	275	5.5	15.3
SP0152-S	242	7.0	15.3
SP0153-S	325	9.5	15.0
SP0154-S	245	11.0	12.2
SP0155-S	290	15.1	13.5
SP0155-S-R	288	12.2	13.3
SP0156-S	120	7.4	12.3
SP0157-S	227	3.4	13.2
SP0158-S	156	5.1	14.3
SP0159-S	301	29.2	11.2
SP0160-SB	428	16.8	14.0
SP0160-SA	308	30.9	13.0
SP0161-S	227	22.2	14.5
SP0162-S	344	19.6	13.4
SP0163-S	271	12.0	10.8
SP0164-S	249	15.2	10.2
SP0165-S	273	19.2	10.1
SP0166-S	397	27.8	13.6
SP0167-S	222	15.3	10.3
SP0168-S	296	25.2	10.3
SP0169-S	492	7.7	7.4
SP0169-S-R	428	7.8	7.7
SP0170-SB	211	10.5	6.4
SP0170-SA	241	5.3	7.2
SP0171-S	260	6.7	8.0

SP0172-S	186	5.8	6.9
SP0173-S	450	6.5	8.9
SP0174-S	390	9.1	13.6
SP0175-S	553	19.5	10.8
SP0176-S	235	1.4	8.6
SP0177-S	456	15.1	8.3
SP0178-S	435	8.7	9.8
SP0179-S	270	9.8	7.7
SP0180-SA	253	9.8	7.6
SP0180-SB	194	10.0	7.3
SP0181-S	344	8.0	9.1
SP0182-S	489	14.3	9.7
SP0183-S	342	12.5	10.1
SP0183-S-R	533	8.5	9.6
SP0184-S	457	11.5	9.5
SP0185-S	416	11.1	10.2
SP0186-S	403	13.6	8.6
SP0187-S	472	10.4	9.1
SP0188-S	257	11.4	9.9
SP0189-S	165	9.8	6.3
SP0190-S	220	7.5	7.6
SP0191-S	257	11.6	8.0
SP0192-S	157	5.0	6.7
SP0193-S	299	7.6	8.2
SP0194-S	230	3.2	9.3
SP0195-S	467	12.2	8.7
SP0196-S	231	9.0	8.3
SP0197-S	242	7.3	6.9
SP0197-S-R	265	7.2	7.7
SP0198-S	256	5.2	7.7
SP0199-S	203	6.3	8.3
SP0200-SA	190	5.7	7.5
SP0200-SB	179	6.4	7.9
SP0201-S	487	7.6	8.5
SP0202-S	210	7.5	9.2
SP0203-S	76	8.0	5.4
SP0204-S	563	4.9	7.9
SP0205-S	182	8.9	6.8
SP0206-S	113	5.3	6.1
SP0207-S	291	7.2	10.0
SP0208-S	180	8.3	6.2
SP0209-S	405	6.8	9.1
SP0210-SA	122	2.1	8.1
SP0210-SB	187	8.7	8.6
SP0210-SB-R	150	8.7	9.2
SP0211-S	393	9.6	8.4
SP0212-S	516	13.7	9.8
SP0213-S	417	10.5	9.2
SP0214-S	541	6.0	8.6
SP0215-S	353	10.8	8.2
SP0216-S	316	4.1	7.6

SP0217-S	424	9.8	9.8
SP0218-S	301	10.2	9.6
SP0219-S	350	6.5	8.2
SP0220-SA	284	10.4	7.2
SP0220-SB	490	5.2	7.3
SP0221-S	480	14.2	7.3
SP0222-S	258	8.0	8.9
SP0223-S	225	8.6	7.7
SP0224-S	292	4.8	10.3
SP0224-S-R	257	4.7	9.5
SP0225-S	581	14.1	10.9
SP0226-S	637	11.4	7.9
SP0227-S	163	6.7	5.0
SP0228-S	214	5.6	9.6
SP0229-S	478	4.7	8.6
SP0230-SA	227	11.0	11.4
SP0230-SB	780	11.4	11.5
SP0231-S	249	5.4	6.6
SP0232-S	218	5.0	6.3
SP0233-S	424	11.0	9.0
SP0234-S	384	12.5	8.6
SP0235-S	158	6.0	5.9
SP0236-S	123	5.3	3.1
SP0237-S	262	5.0	8.4
SP0238-S	239	7.7	6.8
SP0238-S-R	209	7.5	6.6
SP0239-S	165	8.7	7.8
SP0240-SA	61	6.8	6.0
SP0240-SB	129	7.5	6.2
SP0241-S	294	12.4	8.7
SP0242-S	168	9.3	6.1
SP0243-S	260	9.8	5.3
SP0244-S	251	10.5	5.3
SP0245-S	234	6.2	8.4
SP0246-S	152	13.0	9.1
SP0247-S	153	7.7	7.4
SP0248-S	243	6.3	8.0
SP0249-S	462	11.6	8.7
SP0250-SA	249	9.1	7.6
SP0250-SB	186	4.2	7.5
SP0251-S	202	5.4	6.9
SP0251-S-R	254	11.4	8.0
SP0252-S	384	4.4	8.0
SP0253-S	262	9.0	6.9
SP0254-S	120	6.8	6.6
SP0255-S	232	10.3	7.8
SP0256-S	198	6.6	5.7
SP0257-S	240	4.8	7.7
SP0258-S	293	4.2	8.0
SP0259-S	84	3.4	5.9
SP0260-SA	245	5.5	8.6

SP0260-SB	275	10.6	8.3
SP0261-S	360	9.9	8.1
SP0262-S	200	4.4	5.4
SP0263-S	65	6.2	7.7
SP0264-S	247	8.0	6.7
SP0265	359	13.7	15.8
SP0266	365	10.2	12.7
SP0267	371	14.9	19.3
SP0268	598	10.0	22.2
SP0269	438	13.0	17.6
SP0269-R	343	11.1	14.9
SP0270	395	11.2	17.0
SP0270-B	209	1.5	10.6
SP0271	302	9.0	17.9
SP0272	572	17.1	21.8
SP0273	508	13.7	22.2
SP0274	360	11.6	18.6
SP0275	710	14.4	18.9
SP0276	479	13.8	21.9
SP0277	466	15.7	22.7
SP0278	345	9.9	19.7
SP0279	185	5.3	11.8
SP0280	547	10.6	16.7
SP0281	437	10.3	16.4
SP0282	992	22.1	21.5
SP0283	250	9.4	14.6
SP0283-R	417	8.3	21.9
SP0284	292	14.2	26.6
SP0285	275	11.0	17.6
SP0286	426	11.3	21.8
SP0287	458	11.0	24.7
SP0288	530	20.0	37.5
SP0289	302	10.3	21.0
SP0290	327	9.9	14.36
SP0291	336	10.7	34.4
SP0291-B	1247	8.3	14.57
SP0292	1172	12.6	79.17
SP0293	179	18.0	30.74
SP0294	243	12.5	24.82
SP0295	435	15.5	29.89
SP0296	248	9.2	14.31
SP0297	380	9.5	15.1
SP0297-R	925	18.8	35.14
SP0298	338	14.7	24.46
SP0299	318	11.1	16.32
SP0300	373	8.3	17.23
SP0300-B	448	21.4	20.46
SP0301	382	9.7	14.52
SP0302	238	11.1	12.12
SP0303	250	11.6	11.49
SP0304	203	11.0	9.58

SP0305	64	8.2	7.04
SP0306	178	8.9	8.8
SP0307	429	16.5	15.19
SP0308	329	13.2	11.76
SP0309	322	12.5	16.74
SP0310	395	17.0	16.67
SP0311	493	13.5	25.15
SP0311-R	560	14.0	23.54
SP0312	263	13.0	18.88
SP0313	1086	19.7	27.92
SP0314	354	21.6	26.41
SP0315	363	16.7	27.38
SP0316	320	16.7	17.64
SP0317	329	27.1	27.02
SP0318	241	16.4	32.72
SP0319	655	17.9	27.41
SP0320	178	10.3	15.12
SP0321	310	28.2	36.21
SP0322	633	23.0	30.51
SP0323	436	14.3	23.58
SP0324	325	12.8	20.62
SP0325	404	12.7	19.63
SP0326	275	13.5	26.95
SP0326-R	337	14.9	31.77
SP0327	427	23.6	25.7
SP0328	266	11.2	15.86
SP0329	389	19.6	24.58
SP0330	320	14.0	24.93
SP0331	353	12.0	16.35
SP0332	311	18.6	30.18
SP0333	409	13.4	21.26
SP0334	272	14.3	28.39
SP0335	355	15.7	21.82
SP0336	446	20.1	26.84
SP0337	183	9.6	14.33
SP0338	536	23.3	30.64
SP0339	291	12.2	15.38
SP0340	372	12.3	22.39
SP0341	192	8.9	15.87
SP0341-R	330	12.1	24.46
SP0342	250	10.4	18.02
SP0343	395	11.8	24.88
SP0344	348	16.7	20.07
SP0345	352	16.5	24.87
SP0346	252	13.8	17.82
SP0347	156	9.0	17.2
SP0348	264	9.9	25.95
SP0349	187	7.6	18.26
SP0350	43	5.4	7.76
SP0351	108	8.5	12.73
SP0352	143	9.3	13.33

SP0353	575	9.1	12.35
SP0354	459	10.9	16.19
SP0355	147	8.7	13.09
SP0355-B	137	4.0	11.34
SP0355-B-R	464	16.4	21.75
SP0356	256	11.8	17.77
SP0357	223	9.3	9.68
SP0358	112	8.1	7.84
SP0359	113	7.7	9.61
SP0360	247	8.5	12.57
SP0361	180	9.6	11.53
SP0362	213	5.8	9.8
SP0363	256	11.5	12.65
SP0364	207	12.3	14.1
SP0365	197	9.8	11.98
SP0365-B	296	17.5	25.04
SP0366	214	9.8	15.28
SP0367	266	12.7	20.58
SP0368	251	9.3	11.22
SP0369	277	13.1	15.34
SP0369-R	201	9.1	12.01
SP0370	126	4.6	8.96
SP0371	226	11.4	16.56
SP0372	401	15.0	19.89
SP0373	374	13.2	15.7
SP0374	208	6.4	11.53
SP0375	287	9.7	15.07
SP0376	309	12.2	17.48
SP0377	94	7.3	8.99
SP0378	189	5.8	11.19
SP0379	159	116.7	18.59
SP0380	90	7.9	8.63
SP0381	514	13.2	13.94
SP0382	458	14.2	14.69
SP0383	702	14.6	13.9
SP0384	449	7.4	10.53
SP0384-R	414	7.5	12.23
SP0385	457	11.7	10.74
SP0386	443	12.3	13.58
SP0387	966	16.2	15.88
SP0388	215	8.3	8.37
SP0389	655	14.7	16.19
SP0400	1134	16.4	17.54
SP0401	209	9.9	11.88
SP0402	583	16.1	18.59
SP0403	127	4.4	8.54
SP0404	748	14.1	15.38
SP0405	403	12.5	11.54
SP0406	829	14.3	15.46
SP0407	273	8.9	8.86
SP0408	484	15.5	13.8

SP0408-B	1123	23.3	24.83
SP0408-B-R	810	13.5	17.72
SP0409	242	13.9	26.04
SP0410	505	13.5	14.39
SP0410-B	508	14.1	14.33
SP0411	1075	15.2	20.58
SP0412	468	12.4	14.78
SP0413	254	11.2	14.02
SP0413-B	1080	9.0	9.84
SP0414	282	8.8	12.28
SP0415	293	12.0	12.66
SP0416	337	14.8	13.57
SP0416-B	268	11.4	14.45
SP0417	517	12.1	11.98
SP0418	798	17.7	16.67
SP0419	557	14.4	14.82
SP0420	383	11.1	12.77
SP0420-R	507	13.2	14.89
SP0421	671	14.5	15.39
SP0422	252	9.5	14.33
SP0423	362	11.2	14.75
SP0424	764	17.4	17.51
SP0425	207	10.1	14.78
SP0426	406	7.3	15.89
SP0427	260	14.6	15.06
SP0428	547	13.3	16.32
SP0429	271	12.8	15.62
SP0430	174	10.1	12.92
SP0431	228	10.8	11.4
SP0432	243	12.5	10.55
SP0433	263	10.9	9.54
SP0434	395	13.5	20.12
SP0434-B	205	11.7	16.15
SP0434-B-R	181	11.2	15.41
SP0435	234	8.9	11.81
SP0436	286	10.0	11.66
SP0437	183	4.2	11.05
SP0437-B	184	8.8	11.41
SP0438	201	5.5	15.89
SP0439	132	8.7	9.76
SP0440	283	12.3	17
SP0441	55	8.1	6.96
SP0442	209	11.7	11.36
SP0443	89	8.0	8.44
SP0444	123	4.4	9.66
SP0445	299	10.9	22.32
SP0446	106	1.5	7.71
SP0447	250	9.6	16.27
SP0448	233	9.3	11.63
SP0448-R	240	7.9	13.64
SP0449	120	19.3	12.19

SP0450	387	9.5	15.41
SP0451	360	12.4	14.95
SP0452	216	10.1	9.57
SP0481	70	8.5	7.58
SP0482	203	8.2	13.82
SP0483	267	9.3	13.08
SP0484	367	9.7	17.01
SP0485	251	18.3	17.96
SP0486	234	10.7	15.1
SP0487	204	9.7	12.53
SP0488	111	8.3	9.79
SP0489	95	6.2	8.98
SP0490	51	8.1	7.02
SP0491	80	3.6	9.23
SP0491-R	71	5.8	7.31
SP0492	198	8.8	8.95
SP0493	55	8.0	7.12
SP0494	118	4.0	9
SP0495	54	7.8	5.54
SP0496	225	6.8	13.98
SP0497	286	15.3	15.31
SP0498	142	15.1	13.39
SP0499	173	8.7	8.74
SP0517	140	8.1	8.9
SP0518	108	3.7	7.42
SP0519	295	6.9	9.56
SP0520	186	7.6	11.39
SP0521	176	10.5	11.33
SP0522	106	7.6	7.8
SP0523	245	6.0	12.56
SP0523-R	195	9.1	9.26
SP0524	135	8.6	13.5
SP0525	187	8.3	10.97
SP0526	484	11.2	12.69
SP0527	342	10.5	10.71
SP0528	138	7.7	9.88
SP0529	152	8.4	8.41
SP0530	196	15.9	10.86
SP0531	100	7.9	8.02
SP0532	609	11.3	13.45
SP0533	130	8.2	11.02
SP0534	234	9.0	9.38
SP0535	107	8.6	10.58
SP0536	72	7.8	7.17
SP0537	85	5.6	7.21
SP0538	125	7.9	8.98
SP0538-R	160	9.4	10.34
SP0539	224	9.8	10.34
SP0540	53	7.6	5.75
SP0541	162	8.2	7.47
SP0600	116	8.1	7.46

Renaissance Geoscience Services Inc.
SADIM Survey

SGH Units – ppt (Parts-per-trillion)

	SGH-Gold	SGH-Copper		SGH-Gold
1000N 6900E	130.6	199	1000N 6900E	130.586
1000N 7000E	83.4	222	1000N 7000E	83.366
1000N 7000E-R	35.6	202	1000N 7000E-R	35.596
1000N 7100E	124.6	355	1000N 7100E	124.6
1000N 7200E	90.3	174	1000N 7200E	90.282
1000N 7300E	87.3	177	1000N 7300E	87.258
1000N 7400E	79.7	237	1000N 7400E	79.67
1000N 7500E	118.4	186	1000N 7500E	118.36
1000N 7600E	95.5	235	1000N 7600E	95.532
1000N 7700E	59.7	251	1000N 7700E	59.688
1000N 7800E	105.7	267	1000N 7800E	105.748
1000N 7900E	82.0	298	1000N 7900E	81.952
1100N 6800E	66.3	225	1100N 6800E	66.29
1100N 6900E	50.5	221	1100N 6900E	50.522
1100N 7000E	19.8	255	1100N 7000E	19.798
1100N 7100E	46.7	236	1100N 7100E	46.716
1100N 7200E	10.7	133	1100N 7200E	10.698
1100N 7300E	47.7	220	1100N 7300E	47.684
1100N 7300E-R	94.8	236	1100N 7300E-R	94.834
1100N 7400E	29.0	219	1100N 7400E	28.958
1100N 7500E	63.6	234	1100N 7500E	63.62
1100N 7600E	154.1	370	1100N 7600E	154.128
1100N 7700E	33.6	197	1100N 7700E	33.572
1100N 7800E	28.1	123	1100N 7800E	28.132
1100N 7900E	35.6	188	1100N 7900E	35.644
1200N 6700E	72.8	176	1200N 6700E	72.814
1200N 6800E	71.7	216	1200N 6800E	71.702
1200N 6900E	26.7	207	1200N 6900E	26.708
1200N 7000E	74.3	219	1200N 7000E	74.278
1200N 7100E	38.3	192	1200N 7100E	38.268
1200N 7200E	41.5	224	1200N 7200E	41.502
1200N 7300E	46.3	203	1200N 7300E	46.25
1200N 7400E	119.0	200	1200N 7400E	118.972
1200N 7500E	32.8	175	1200N 7500E	32.764
1200N 7500E-R	74.8	184	1200N 7500E-R	74.822
1200N 7600E	94.9	263	1200N 7600E	94.87
1200N 7700E	26.5	158	1200N 7700E	26.484
1200N 7800E	52.5	152	1200N 7800E	52.5
1200N 7900E	45.0	143	1200N 7900E	44.996
1300N 6500E	13.6	208	1300N 6500E	13.646
1300N 6600E	34.0	215	1300N 6600E	34.008
1300N 6700E	45.3	159	1300N 6700E	45.304
1300N 6800E	22.4	161	1300N 6800E	22.42
1300N 6900E	15.5	151	1300N 6900E	15.512
1300N 7000E	18.8	123	1300N 7000E	18.828
1300N 7100E	53.3	126	1300N 7100E	53.256
1300N 7200E	87.6	221	1300N 7200E	87.592

1300N 7300E	103.4	160	1300N 7300E	103.35
1300N 7400E	86.0	263	1300N 7400E	86.032
1300N 7500E	118.1	250	1300N 7500E	118.138
1300N 7500E-R	109.3	248	1300N 7500E	109.33
1300N 7600E	102.5	220	1300N 7600E	102.454
1300N 7700E	66.0	346	1300N 7700E	66.012
1300N 7800E	83.1	284	1300N 7800E	83.05
1300N 7900E	41.7	191	1300N 7900E	41.732
1400N 6500E	57.6	171	1400N 6500E	57.56
1400N 6600E	61.1	165	1400N 6600E	61.096
1400N 6700E	54.6	175	1400N 6700E	54.64
1400N 6800E	98.0	162	1400N 6800E	98.03
1400N 6900E	36.0	155	1400N 6900E	35.986
1400N 7000E	112.2	201	1400N 7000E	112.24
1400N 7100E	87.2	212	1400N 7100E	87.18
1400N 7200E	50.1	198	1400N 7200E	50.138
1400N 7300E	58.9	242	1400N 7300E	58.898
1400N 7400E	18.7	171	1400N 7400E	18.728
1400N 7500E	44.1	181	1400N 7500E	44.11
1400N 7500E-R	28.7	186	1400N 7500E	28.658
1400N 7600E	48.1	193	1400N 7600E	48.12
1400N 7700E	27.2	235	1400N 7700E	27.174
1500N 6500E	118.6	167	1500N 6500E	118.566
1500N 6600E	26.4	156	1500N 6600E	26.448
1500N 6700E	18.3	133	1500N 6700E	18.348
1500N 6800E	8.8	155	1500N 6800E	8.842
1500N 6900E	5.5	131	1500N 6900E	5.538
1500N 7000E	15.9	176	1500N 7000E	15.944
1500N 7100E	31.4	148	1500N 7100E	31.422
1500N 7200E	28.9	198	1500N 7200E	28.932
1500N 7300E	17.3	191	1500N 7300E	17.282
1500N 7400E	24.0	175	1500N 7400E	23.978
1500N 7500E	9.3	139	1500N 7500E	9.322
1500N 7600E	59.4	228	1500N 7600E	59.378
1500N 7700E	19.5	191	1500N 7700E	19.536
1500N 7700E-R	32.4	194	1500N 7700E	32.42
1600N 6500E	13.3	111	1600N 6500E	13.284
1600N 6600E	2.9	42.5	1600N 6600E	2.91
1600N 6700E	55.6	168	1600N 6700E	55.566
1600N 6800E	30.4	113	1600N 6800E	30.38
1600N 6900E	13.0	70.9	1600N 6900E	13.01
1600N 7000E	10.9	163	1600N 7000E	10.876
1600N 7100E	19.8	179	1600N 7100E	19.766
1600N 7200E	8.5	88.5	1600N 7200E	8.52
1600N 7300E	8.3	231	1600N 7300E	8.326
1600N 7400E	9.3	124	1600N 7400E	9.336
1600N 7500E	20.4	244	1600N 7500E	20.446
1600N 7600E	11.5	160	1600N 7600E	11.456
1600N 7700E	12.5	193	1600N 7700E	12.49
1700N 6500E	6.5	98.1	1700N 6500E	6.518
1700N 6600E	13.6	49.3	1700N 6600E	13.636

1700N 6600E-R	37.2	68.6	1700N 6600E	37.174
1700N 6700E	20.6	114	1700N 6700E	20.602
1700N 6800E	6.0	74.9	1700N 6800E	5.99
1700N 6900E	15.0	76.9	1700N 6900E	14.988
1700N 7000E	18.5	179	1700N 7000E	18.518
1700N 7100E	4.7	88.5	1700N 7100E	4.66
1700N 7200E	10.9	134	1700N 7200E	10.93
1700N 7300E	31.6	171	1700N 7300E	31.608
1700N 7400E	32.0	309	1700N 7400E	32.006
1700N 7500E	48.6	207	1700N 7500E	48.588
1700N 7600E	24.9	201	1700N 7600E	24.938
1700N 7700E	88.5	346	1700N 7700E	88.54
1800N 6500E	50.4	154	1800N 6500E	50.39
1800N 6600E	82.1	101	1800N 6600E	82.13
1800N 6700E	27.0	245	1800N 6700E	26.968
1800N 6800E	47.2	110	1800N 6800E	47.15
1800N 6800E-R	13.0	97.7	1800N 6800E	12.994
1800N 6900E	20.2	121	1800N 6900E	20.196
1800N 7000E	38.6	219	1800N 7000E	38.61
1800N 7100E	40.5	192	1800N 7100E	40.538
1800N 7200E	42.5	221	1800N 7200E	42.546
1800N 7300E	26.7	115	1800N 7300E	26.662
1800N 7400E	16.5	184	1800N 7400E	16.484
1800N 7500E	2.7	35.1	1800N 7500E	2.678
1800N 7600E	37.3	205	1800N 7600E	37.3
1800N 7700E	5.3	109	1800N 7700E	5.342
1900N 6500E	6.5	119	1900N 6500E	6.454
1900N 6600E	12.6	45.3	1900N 6600E	12.6
1900N 6700E	20.7	82.5	1900N 6700E	20.67
1900N 6800E	22.6	72.5	1900N 6800E	22.618
1900N 6900E	21.1	80.9	1900N 6900E	21.056
1900N 7000E	4.9	48.5	1900N 7000E	4.94
1900N 7000E-R	8.1	53.3	1900N 7000E	8.096
1900N 7100E	21.1	161	1900N 7100E	21.092
1900N 7200E	11.7	137	1900N 7200E	11.664
1900N 7300E	28.5	183	1900N 7300E	28.532
1900N 7400E	15.7	226	1900N 7400E	15.728
1900N 7500E	35.0	193	1900N 7500E	34.99
1900N 7600E	19.2	284	1900N 7600E	19.178
1900N 7700E	37.3	233	1900N 7700E	37.302
600N 7200E	164.1	381	600N 7200E	164.08
600N 7300E	33.0	264	600N 7300E	33.028
600N 7400E	40.6	229	600N 7400E	40.56
600N 7500E	49.7	239	600N 7500E	49.684
600N 7600E	98.2	210	600N 7600E	98.21
600N 7600E-R	59.1	197	600N 7600E-R	59.106
600N 7700E	81.0	280	600N 7700E	81.038
600N 7800E	63.9	328	600N 7800E	63.86
600N 7900E	13.7	209	600N 7900E	13.668
700N 7200E	42.9	217	700N 7200E	42.876
700N 7300E	29.9	194	700N 7300E	29.89

700N 7400E	84.2	225	700N 7400E	84.22
700N 7500E	36.4	236	700N 7500E	36.404
700N 7600E	26.7	297	700N 7600E	26.652
700N 7700E	71.7	153	700N 7700E	71.698
700N 7800E	34.5	201	700N 7800E	34.458
700N 7900E	46.6	241	700N 7900E	46.624
800N 7200E	15.4	241	800N 7200E	15.412
800N 7300E	11.4	191	800N 7300E	11.356
800N 7400E	26.6	207	800N 7400E	26.576
800N 7500E	44.4	150	800N 7500E	44.392
800N 7500E-R	63.3	155	800N 7500E-F	63.266
800N 7600E	48.6	266	800N 7600E	48.592
800N 7700E	48.8	320	800N 7700E	48.772
800N 7800E	110.2	224	800N 7800E	110.212
800N 7900E	120.0	260	800N 7900E	120.01
900N 7100E	29.4	208	900N 7100E	29.386
900N 7200E	14.6	222	900N 7200E	14.55
900N 7300E	16.6	214	900N 7300E	16.576
900N 7400E	11.6	143	900N 7400E	11.566
900N 7500E	83.1	216	900N 7500E	83.14
900N 7600E	48.6	277	900N 7600E	48.612
900N 7700E	135.9	243	900N 7700E	135.9
900N 7800E	109.9	174	900N 7800E	109.948
900N 7900E	139.9	243	900N 7900E	139.88
SP0390	55.1	180		
SP0390-B	90.7	358		
SP0391	90.1	496		
SP0391-B	77.2	342		
SP0392	78.6	282		
SP0392-R	72.1	222		
SP0393	112.3	364		
SP0394	45.8	215		
SP0395	82.0	258		
SP0396	136.6	273		
SP0397	24.1	204		
SP0398	67.6	217		
SP0399	54.3	214		
SP0453	93.6	241		
SP0454	71.8	199		
SP0455	67.2	261		
SP0456	55.6	284		
SP0457	35.9	207		
SP0458	68.1	213		
SP0459	52.9	185		
SP0460	32.7	201		
SP0460-R	76.9	228		
SP0461	68.2	232		
SP0462	54.6	197		
SP0463	36.8	194		
SP0464	73.1	208		
SP0465	79.4	223		

SP0466	44.7	216
SP0467	57.9	210
SP0468	51.0	224
SP0469	54.3	186
SP0470	58.6	210
SP0471	67.2	205
SP0472	61.0	245
SP0473	34.6	202
SP0474	35.5	189
SP0475	28.1	174
SP0475-R	48.6	189
SP0476	33.5	167
SP0477	58.8	190
SP0478	39.0	198
SP0479	43.4	214
SP0480	62.1	220
SP0500	50.9	206
SP0501	55.2	221
SP0502	70.8	218
SP0503	78.5	238
SP0504	56.6	184
SP0505	116.7	264
SP0506	71.3	235
SP0507	40.0	192
SP0508	50.4	190
SP0509	49.2	176
SP0509-R	52.9	175
SP0510	33.3	178
SP0511	45.7	195
SP0512	68.1	252
SP0513	32.7	165
SP0514	91.4	170
SP0515	206.5	222
SP0516	58.0	198
SP0542	35.8	191
SP0543	47.0	196
SP0544	33.9	183
SP0545	47.0	195
SP0546	35.2	136
SP0547	59.8	204
SP0548	27.6	162
SP0549	61.3	189
SP0549-R	35.8	174
SP0550	54.9	213
SP0552	25.5	146
SP0554-B	49.8	179
SP0555	48.8	174
SP0557	41.3	157
SP0557-B	46.4	164
SP0558	57.9	152
SP0559	67.6	167

SP0560	44.5	201
SP0561	37.6	195
SP0562	53.6	207
SP0562-R	47.4	200
SP0563	35.0	144
SP0564	37.5	189
SP0565	65.4	202
SP0566	45.9	173
SP0567	50.7	208
SP0568	33.6	160
SP0569	62.7	212
SP0570	40.6	139
SP0571	81.4	271
SP0572	45.2	186
SP0573	35.8	189
SP0574	37.8	172
SP0575	53.0	194
SP0576	43.4	165
SP0577	53.6	278
SP0577-R	57.8	288
SP0578	54.4	284
SP0579	44.4	198
SP0579-B	43.4	191
SP0580	36.0	191
SP0580-B	41.5	197
SP0582	37.8	206
SP0584	48.6	224
SP0586	43.2	224
SP0587	44.3	218
SP0588	56.9	227
SP0589	58.2	266
SP0590	25.8	136
SP0590-R	39.1	210
SP0591	25.0	194
SP0592	33.2	189
SP0593	22.3	128
SP0594	40.8	205
SP0595	27.4	137
SP0595-B	35.7	145
SP0596	47.7	184
SP0597	50.5	215
SP0597-B	39.6	175
SP0601	43.0	146
SP0602	48.3	232
SP0603	38.5	183
SP0604	26.7	137
SP0605	23.5	132
SP0606	41.0	251
SP0606-R	35.8	206
SP0607	39.6	176
SP0608	45.3	198

SP0609	23.0	134
SP0610	41.9	173
SP0612	25.1	158
SP0612-B	29.9	156
SP0617	55.0	237
SP0618	36.9	169
SP0619	21.6	125
SP0620	52.3	281
SP0620-R	34.3	220
SP0621	49.8	226
SP0622	39.9	193
SP0623	35.0	171
SP0624	31.8	158
SP0625	57.2	221
SP0626	44.6	210
SP0627	40.8	196
SP0628	33.6	174
SP0629	83.8	235
SP0630	77.0	268
SP0631	53.6	198
SP0632	59.8	225
SP0633	81.4	246
SP0634	106.4	335
SP0634-B	96.6	281
SP0634-B-R	85.2	259
SP0635	79.3	297
SP0636	101.3	299
SP0637	68.4	276
SP0638	52.0	262
SP0639	79.3	280
SP0640	82.8	243
SP0641	66.6	362
SP0642	83.3	288
SP0643	82.8	274
SP0644	67.3	227
SP0645	85.4	288
SP0646	84.4	245
SP0647	84.1	246
SP0648	63.1	201
SP0649	80.2	307
SP0649-R	100.7	284
SP0650	61.9	225
SP0650-B	104.6	286
SP0651	42.9	221

APPENDIX C – GEOTRONICS DRONE MAGNETICS REPORT

GEOPHYSICAL REPORT

ON A

UAV MAGNETIC SURVEY

SADIM PROPERTY

MISSEZULA LAKE, ASPEN GROVE AREA

NICOLA MINING DIVISION, BRITISH COLUMBIA

LOCATED: 29 km due north of town of Princeton and
49 km southeast of the town of Merritt, BC

Center of property:
- 678443 E and 5508989 N (UTM zone 10, NAD 83)
- 49˚42'25" N Latitude, and 120˚31'30" W Longitude

NTS: 92H/09, 10, 15
BCGS: 092H.068 and 0.78

WRITTEN FOR: **Richard J. Billingsley**
11114 147A Street
Surrey, British Columbia, V3R 3W2

WRITTEN BY: David G. Mark, P.Geo.
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Surrey, British Columbia V3X 2E1

DATED: February 28, 2022

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3 UAV MAGNETIC SURVEY 2

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UAV MAGNETIC CONTOUR PLAN MAPS (at back of report)	
Total Magnetic Field (TMI)	GP-1
Reduce to the Pole Magnetic Field	GP-2
1st Vertical Derivative	GP-3
2nd Vertical Derivative	GP-4
Downward Continuation	GP-5
Horizontal X Derivative	GP-6
Horizontal Y Derivative	GP-7
Property Map Showing Survey Area	GP-8

1 SUMMARY

The Sadim Property is situated to the immediate south of Missezula Lake within the Aspen Grove area of the South-Central Region of British Columbia, the center of which is 29 km to the north of the town of Princeton.

The UAV magnetic survey was carried out in July and October of 2021 over the northern part of the property.

The data was diurnally corrected which was then followed up with editing out questionable readings. Seven colour contour plan maps were then produced being total magnetic field, reduce to the pole magnetic field, 1st vertical derivative, 2nd vertical derivative, downward continuation, horizontal derivative in an east-west direction, and horizontal derivative in a north-south direction. An eighth one was produced showing the location of the survey area within the property boundaries.

The survey revealed three magnetic highs that were probably caused by dioritic intrusives and/or a more basic volcanic rock-type of the Nicola Group. Four known MinFile occurrences are located within two of the magnetic highs.

The magnetic maps show prominent lineations of magnetic lows striking mainly in northwesterly and northeasterly directions. These are indicative of geological structure such as faults, shear zones, and/or contacts and thus are exploration targets, especially where they intersect. They reflect zones of weakness which are conducive to the pooling of mineralizing fluids. A few of the known mineral occurrences are located along or close to these lineations. One of these lineations appears to be reflecting the Missezula Mountain Fault.

EXPLORATION REPORT
ON A
UAV MAGNETIC SURVEY
ON THE
SADIM PROPERTY
MISSEZULA LAKE, ASPEN GROVE AREA
SOUTH CENTRAL REGION, BRITISH COLUMBIA

2 INTRODUCTION AND GENERAL REMARKS

This report discusses survey procedure, compilation of data, interpretation methods, and the results of an unmanned aerial vehicle (UAV) magnetic survey, carried out within the northern part of the Sadim Property. The property is located to the immediate south of Missezula Lake with the center being 29 km due north of the town of Princeton and 49 km southeast of the town of Merritt within the South-Central Region of British Columbia.

The lithology, alteration and known copper and gold mineralization suggest that a porphyry copper-gold type deposit may occur on the property perhaps similar to that of the nearby MPD mineral zone belonging to Kodiak Copper Corp. Therefore, the purpose of the UAV magnetic surveying was to assist in mapping the geology of the property, especially as to how it may determine prospective areas of porphyry copper-gold deposits.

The UAV magnetic survey was carried out on the property by a two-man crew consisting of a geophysical technician and the writer. All work was done under direction of the writer during the period of July 10th to October 10th, 2021.

3 UAV MAGNETIC SURVEY

3.1 INSTRUMENTATION

The magnetometer used for the UAV (unmanned aerial vehicle) aeromagnetic survey was a GEM Systems potassium type, model GSMP-35U, which has the following specifications:

- Sensitivity: 0.0002 nT @ 1 Hz
- Resolution: 0.0001 nT
- Absolute: Accuracy: +/- 0.05 nT
- Dynamic: Range: 15,000 to 120,000 nT
- Gradient Tolerance: 50,000 nT/m
- Sampling Rate: 1, 2, 5, 10, or 20 readings/second

- Operating Temperature: -40°C to +55°C

Mounted with the magnetometer was a laser altimeter for measuring terrain clearance and a GPS unit for measuring the UTM location to an accuracy of 0.7 meters

This instrumentation was mounted on a the DJI Matrice 300 (M300) RTK unmanned aerial vehicle (UAV) which is a quadcopter with a hovering accuracy of +/- 0.5m vertical and 1.5m horizontal. The M300 is controlled by a remote controller with a range of 15 km. The magnetic sensor, which is connected to the potassium magnetometer, was attached to the M300 via a single tow line with a distance of 10 meters from the UAV.

The magnetometer used for the base station, which monitors the diurnal variation in the magnetic field, was a GEM Systems Overhauser instrument, model GSM-19, with a GPS (global positioning system) attachment. It is a memory system capable of storing up to 5.3 million readings and reads the earth's total magnetic field directly in nanoTeslas (nT) to an accuracy of ±0.1 nT (with an instrument sensitivity of 0.022 nT and a resolution of 0.01 nT), over a range of 20,000 - 120,000 nT. The GPS attachment enables the base station to set its time to Greenwich Mean Time which is the time setting of the UAV magnetometer. This enables the base station magnetometer to have the exact same time as the UAV magnetometer so that the UAV magnetic readings can be accurately corrected for diurnal variation.

3.2 THEORY

Only two commonly occurring minerals are strongly magnetic being magnetite and pyrrhotite. Therefore, magnetic surveys are used to detect the presence of these minerals in varying concentrations, as follows:

- Magnetite and pyrrhotite may occur with economic mineralization on a specific property and therefore a magnetic survey may be used to locate this mineralization.
- Different rock types have different background amounts of magnetite (and pyrrhotite in some rare cases) and thus a magnetic survey can be used to map lithology. Generally, the more basic a rock-type, the more magnetite it may contain, though this is not always the case. In mapping lithology, not only is the amount of magnetite important, but also the way it may occur. For example, young basic rocks are often characterized by thumbprint-type magnetic highs and lows.
- Magnetic surveys can also be used in mapping geologic structure. For example, the action of faults and shear will often chemically alter magnetite and thus these will show up as lineal-shaped lows. Or sometimes lineal-shaped highs or a lineation of highs will be reflecting a fault since a magnetite-containing magmatic fluid has intruded along a zone of weakness, being the fault.

3.3 SURVEY PROCEDURE

The flight line separation was 40 meters with the lines running east-west, north-south, and northeast-southwest. The preferred direction was east-west, but other directions were used

due to terrain and suitable launch areas. The readings were taken every 0.5 meter, which was the result of the magnetometer taking 20 readings/second with a UAV speed of 10 m/s.

The diurnal variation of the magnetic field was monitored by a base station GEM Systems Overhauser magnetometer located near kilometer 14 of the Ketcham Lake logging access road. It was set to take a magnetic reading every one second. The data from both the UAV and base station magnetometers were downloaded at the end of each day and the UAV magnetic data were then corrected for diurnal variation.

3.4 DATA REDUCTION

Questionable readings were first edited out of the diurnally-corrected data. The data set was then processed using Geosoft software in order to produce 11 different types of magnetic maps of the survey area. Seven of these have been reproduced for this report and these are

Total Magnetic Field, Figure GP-1, - This is the original data that has been diurnally corrected.

Reduce to the Pole Magnetic Field, Figure GP-2, - Reduction-to-the-pole transforms magnetic intensity data to equivalent data that would have been recorded as if the survey was at a magnetic pole. The magnetic anomalies, therefore, are placed directly over their causative bodies, greatly simplifying the geological interpretation of the data. It is intended to remove the skewness of the anomalies due to the inclination of the geomagnetic field.

1st Vertical Derivative, Figure GP-3, - The first vertical derivative (1VD) is the mathematical equivalent of physically measuring the magnetic field simultaneously at two points, with one point located vertically above the other. By subtracting one measurement from the other and dividing the result by the vertical separation of the two measurements, a vertical gradient is derived. The 1VD enhances short-wavelength anomalies, often separating overlapping adjacent anomalies and eliminates long-wavelength regional anomalies. The vertical derivative is commonly applied to total magnetic field data to enhance the shallowest geological sources in the data and is commonly used in conjunction with total field grids to enhance and highlight structural trends.

2nd Vertical Derivative, Figure GP-4, - The second vertical derivative (2VD) carries out a double differentiation with respect to vertical distance and thus tends to emphasize, even further than the 1VD, the anomalies associated with small, shallow geologic structures at the expense of larger, regional features. The 2VD map can help identify additional near-surface anomalies not clearly imaged in the 1VD map.

Downward Continuation, Figure GP-5, - Downward continuation takes the data and produces from it the data which would have been measured had the sensor been closer to the source.

Horizontal X Derivative – GP-6, is similar to the 1st vertical derivative, except that it is calculated horizontally along the east-west direction by subtracting one reading from the other and dividing by the distance. The horizontal x derivative map is used to show contacts, especially those striking in northerly directions.

Horizontal Y Derivative – GP-7, is the same as the horizontal X derivative, except that it is calculated horizontally along the north-south. The horizontal y derivative map is used to show contacts, especially those striking in easterly directions.

An eighth map, GP-8, was produced in order to show how the survey area sits on the property.

4 DISCUSSION OF RESULTS

MapPlace shows that the UAV magnetic survey area is almost entirely underlain by the eastern volcanic facies of the Nicola Group rocks of Upper Triassic age. These rocks consist of (1) mafic breccia and tuff with augite and hornblende-phyric clasts, and (2) local intercalated argillite. This group is intruded by dioritic rocks of Late Triassic to Early Jurassic age with the rock types being diorite, quartz diorite and gabbro.

The magnetic field, as surveyed by the UAV magnetic survey, varies from a low of 53,675 nT within the center of the survey area to a high of over 54,800 nT within the northeastern part of the survey area to give a range of just over 1,125 nT. The background appears to be about 53,850 nT.

The survey area is characterized by three magnetic highs varying in size and intensity and have been outlined by blue dashed lines. The reduce to the pole map, figure GP-2, was used to outline the highs since it is considered to reflect the causative sources more accurately. The highs occur in three different areas as follows:

1. Southwest – This magnetic high strikes north-northwesterly with a minimum strike length of 1600 meters being open to the north-northwest and with a width of mostly 800 meters. It correlates directly with a known dioritic intrusive which is therefore likely the causative source. The stronger magnetic intensity suggests that it may be a gabbro.

   Both the horizontal x derivative map, fig. GP-7 and the horizontal y derivative map, fig. GP-8, show the dioritic intrusive contacts as highs which is expected since the contacts strike, for the most part, in a northwesterly direction. The dioritic intrusive is shown as horizontal derivative lows since there is little change in the magnetic field within the intrusive area.

   The Rum MinFile showing occurs on the eastern edge of this high, but just north of the property boundary. The host rock is a microdiorite.

2. Southeast – This one is a smaller less magnetically intense body striking in the same direction as the southwest one. It has a size of 750 meters along strike and a width of 500 meters. It correlates directly with a known dioritic intrusive. The lower magnetic intensity suggests that the rock-type may be less basic than the rock-type causing the southwest magnetic high, being possibly closer to a diorite.

   The western contact is shown as a horizontal x derivative high that extends for a minimum strike length of 1700 meters, open to the south. This correlates with Mahalynuk's mapping of this intrusive.

3. Northeast – This is the strongest and largest magnetic high containing the highest values within the survey area. It strikes in a northerly direction with a minimum strike length of 2,900 meters being open to the north. The geology as shown by MapPlace does not show any intrusive within the area of the northeast high. However, the geology map by Mahalynuk (2004) does show a relatively small dioritic intrusive but it underlies only a small part of this high. Two possible explanations are (1) that the high is caused by the dioritic intrusive but that most of the intrusive is buried, or (2) that the high is caused by some other rock-type, possibly a more basic volcanic such as the mafic breccia of the Nicola Group that is mentioned above.

   A horizontal x derivative high occurs along the western magnetic contact. A second north-south horizontal x derivative high occurs to the east within the magnetic high suggesting that the underlying geology is more complex than that of the southwest and southeast highs, probably consisting of at least two different magnetic rock types. Certainly, Mahalynuk's geology map corroborates this.

   Three mineral occurrences are located within the strongest part of this magnetic high, which are the Shamrock, Nellie, and Missezula Lake. All three are hosted by volcanic rock types such as a red volcanic breccia and an augite plagioclase andesite/basalt

The magnetic maps show prominent lineations of magnetic lows striking primarily in northwesterly directions as well as lineations striking northeasterly but less prominently. These are indicative of geological structure such as faults, shear zones, and/or contacts and thus are exploration targets, especially where they intersect. They reflect zones of weakness which are conducive to the pooling of mineralizing fluids. For example, the South MDA prospect occurs along a north-northeasterly-striking lineation which could be reflecting the Missezula Mountain Fault. In addition, the Sadim, Shamrock, and MS 4 mineral occurrences occur close to or on strike of lineations.

5 GEOSCIENTIST'S CERTIFICATE

I, DAVID G. MARK, of the City of Surrey, in the Province of British Columbia, do hereby certify that:

I am registered as a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

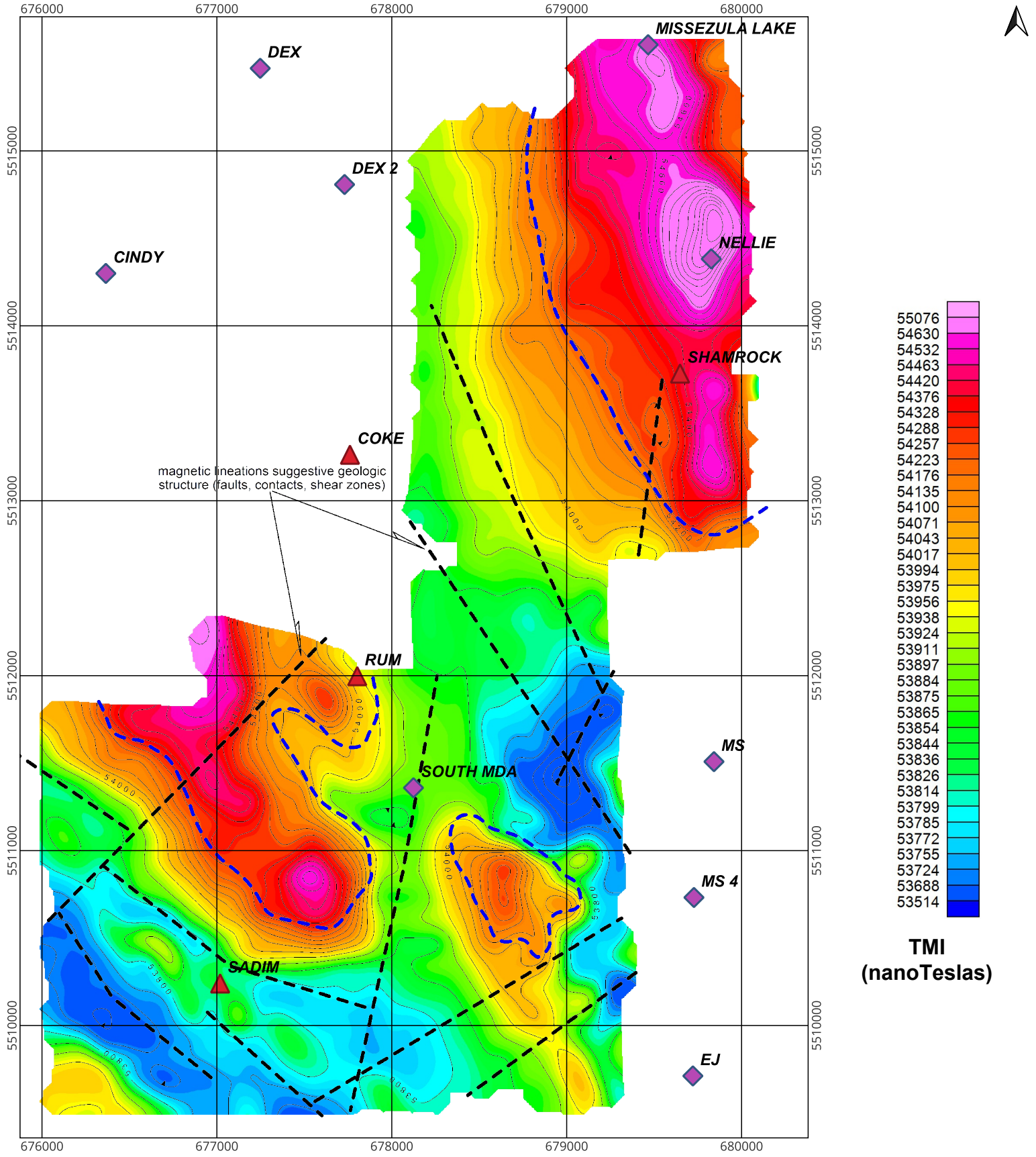
I am a Consulting Geophysicist of Geotronics Consulting Inc., with offices at 6204 – 125th Street, Surrey, British Columbia.

I further certify that:

1. I am a graduate of the University of British Columbia (1968) and hold a B.Sc. degree in Geophysics.
2. I have been practicing my profession for the past 54 years and have been active in the mining industry for the past 57 years.
3. This report is compiled from data obtained from a UAV airborne magnetic survey carried out during the period of July 10th to October 10th, 2021, by a two-man crew.
4. I do not hold any interest in the Sadim Property , nor in any of the properties held by Richard Billingsley, nor do I expect to receive any interest as a result of writing this report.

David Mark

David G. Mark, P.Geo. February 28, 2022
Geophysicist



UAV magnetometer: GEM Systems, model GSMP-35U
Reading interval: 20 readings/sec
Base magnetometer: GEM Systems, model GSM-19 overhauser
Reading interval: 1 reading/sec
UAV (drone): DJI Matrice 300

Terrain clearance: 50 meters
Survey line separation: 50 meters

0 0.25 0.5 0.75 1 km

WGS 84 / UTM Zone 10N

Geotronics Consulting Inc
Exploration done right

RICHARD BILLINGSLEY

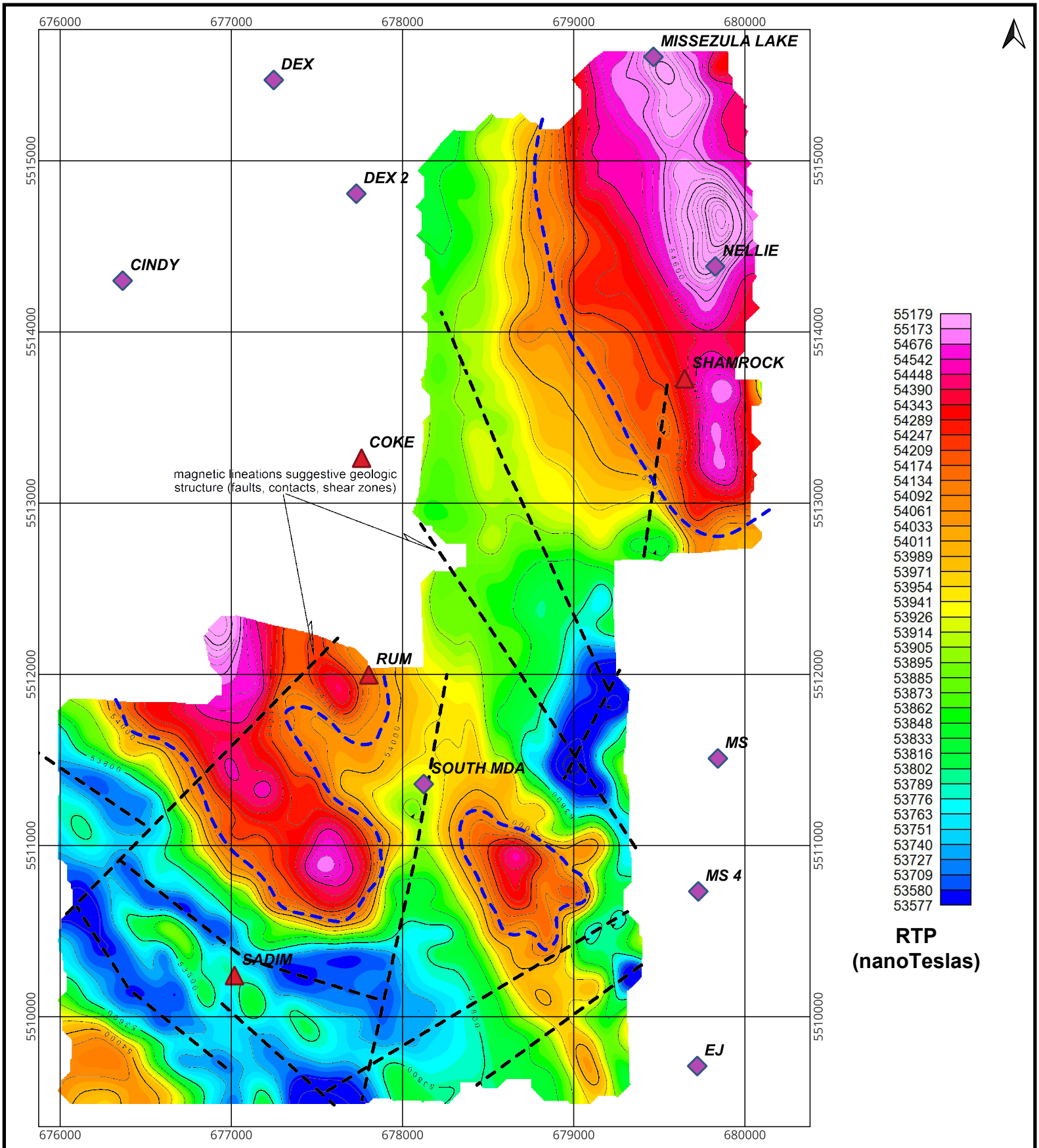
SADIM PROPERTY

Missezula Lake, Aspen Grove Area, South Central BC

TOTAL MAGNETIC INTENSITY

UAV MAGNETIC SURVEY

DRAWN BY:	JOB NO.:	BCGS:	DATE:	FIG NO.:
CAM	21-08	92H.078	MAR '22	GP-1



UAV magnetometer: GEM Systems, model GSMP-35U
Reading interval: 20 readings/sec
Base magnetometer: GEM Systems, model GSM-19 overhauser
Reading interval: 1 reading/sec
UAV (drone): DJI Matrice 300

Terrain clearance: 50 meters
Survey line separation: 50 meters

0 0.25 0.5 0.75 1 km

WGS 84 / UTM Zone 10N

Geotronics Consulting Inc
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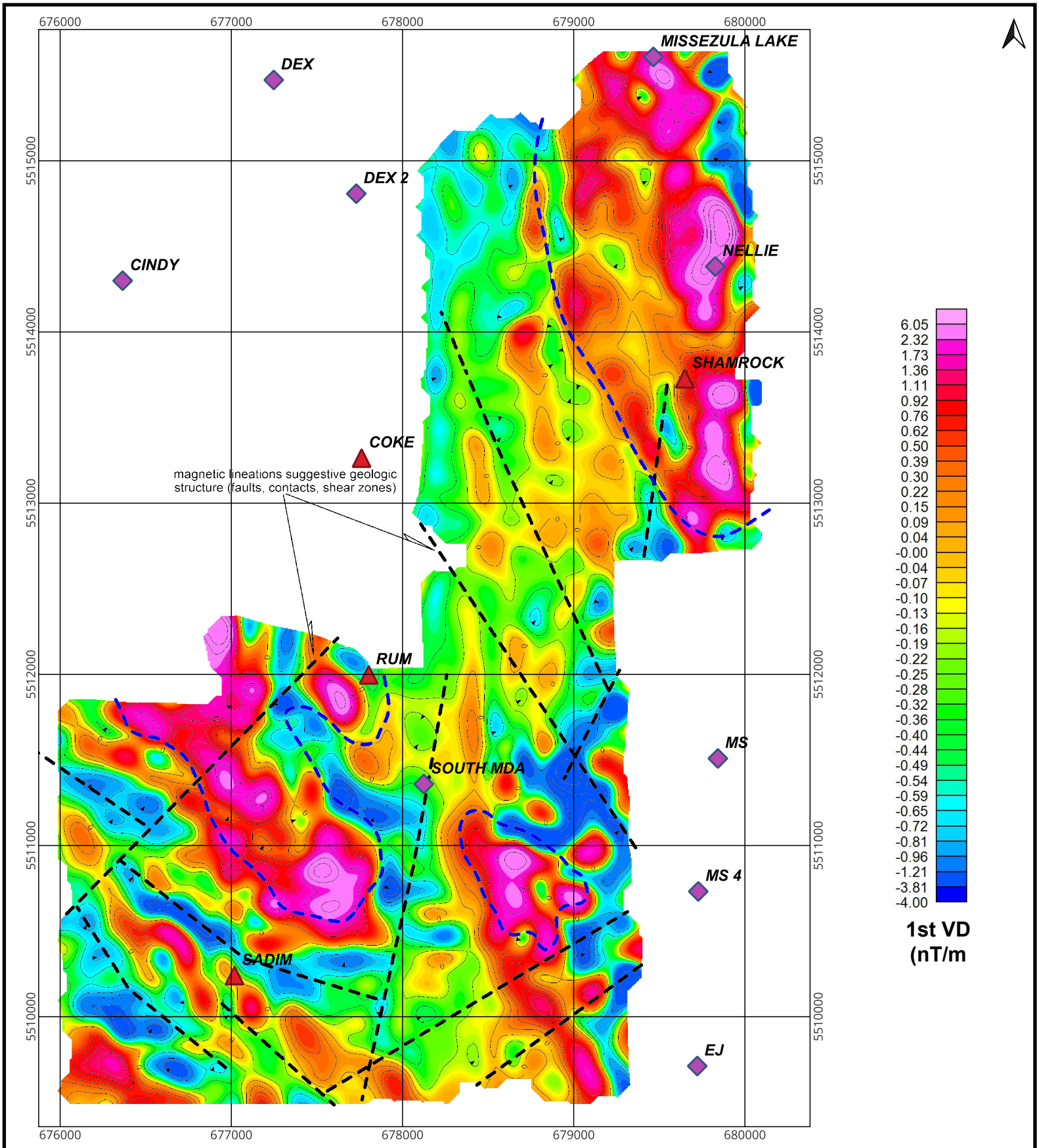
SADIM PROPERTY
Missezula Lake, Aspen Grove Area, South Central BC

REDUCE TO POLE
UAV MAGNETIC SURVEY

DRAWN BY:	JOB NO.:	BCGS:	DATE:	FIG NO.:
CAM	21-08	92H.078	MAR '22	GP-2



UAV magnetometer: GEM Systems, model GSMP-35U
Reading interval: 20 readings/sec
Base magnetometer: GEM Systems, model GSM-19 overhauser
Reading interval: 1 reading/sec
UAV (drone): DJI Matrice 300

Terrain clearance: 50 meters
Survey line separation: 50 meters

0 0.25 0.5 0.75 1 km

WGS 84 / UTM Zone 10N

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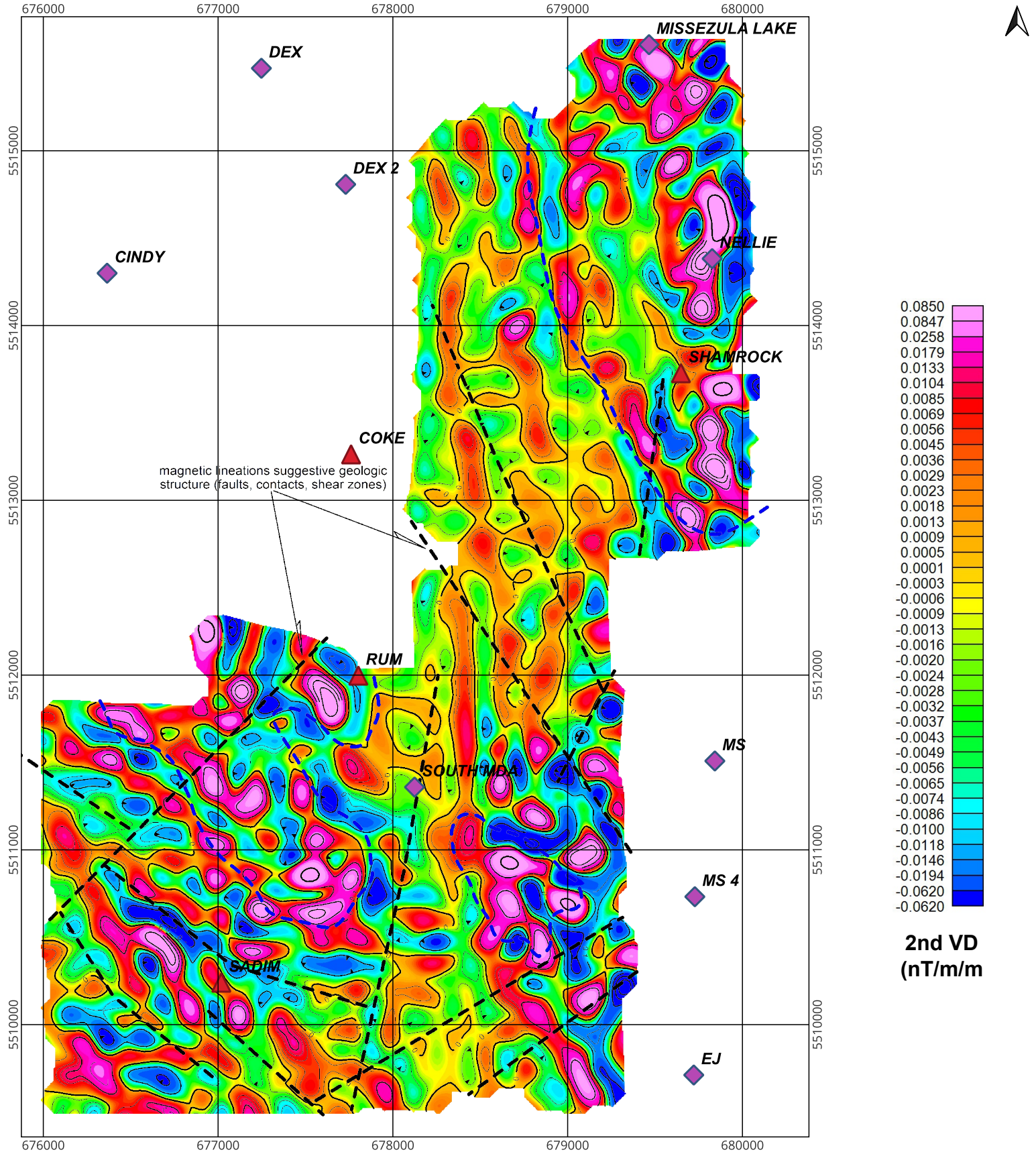
SADIM PROPERTY

Missezula Lake, Aspen Grove Area, South Central BC

1st VERTICAL DERIVATIVE

UAV MAGNETIC SURVEY

DRAWN BY:	JOB NO.:	BCGS:	DATE:	FIG NO.:
CAM	21-08	92H.078	MAR '22	GP-3



UAV magnetometer: GEM Systems, model GSMP-35U
Reading interval: 20 readings/sec
Base magnetometer: GEM Systems, model GSM-19 overhauser
Reading interval: 1 reading/sec
UAV (drone): DJI Matrice 300

Terrain clearance: 50 meters
Survey line separation: 50 meters

0 0.25 0.5 0.75 1 km

WGS 84 / UTM Zone 10N

Geotronics Consulting Inc
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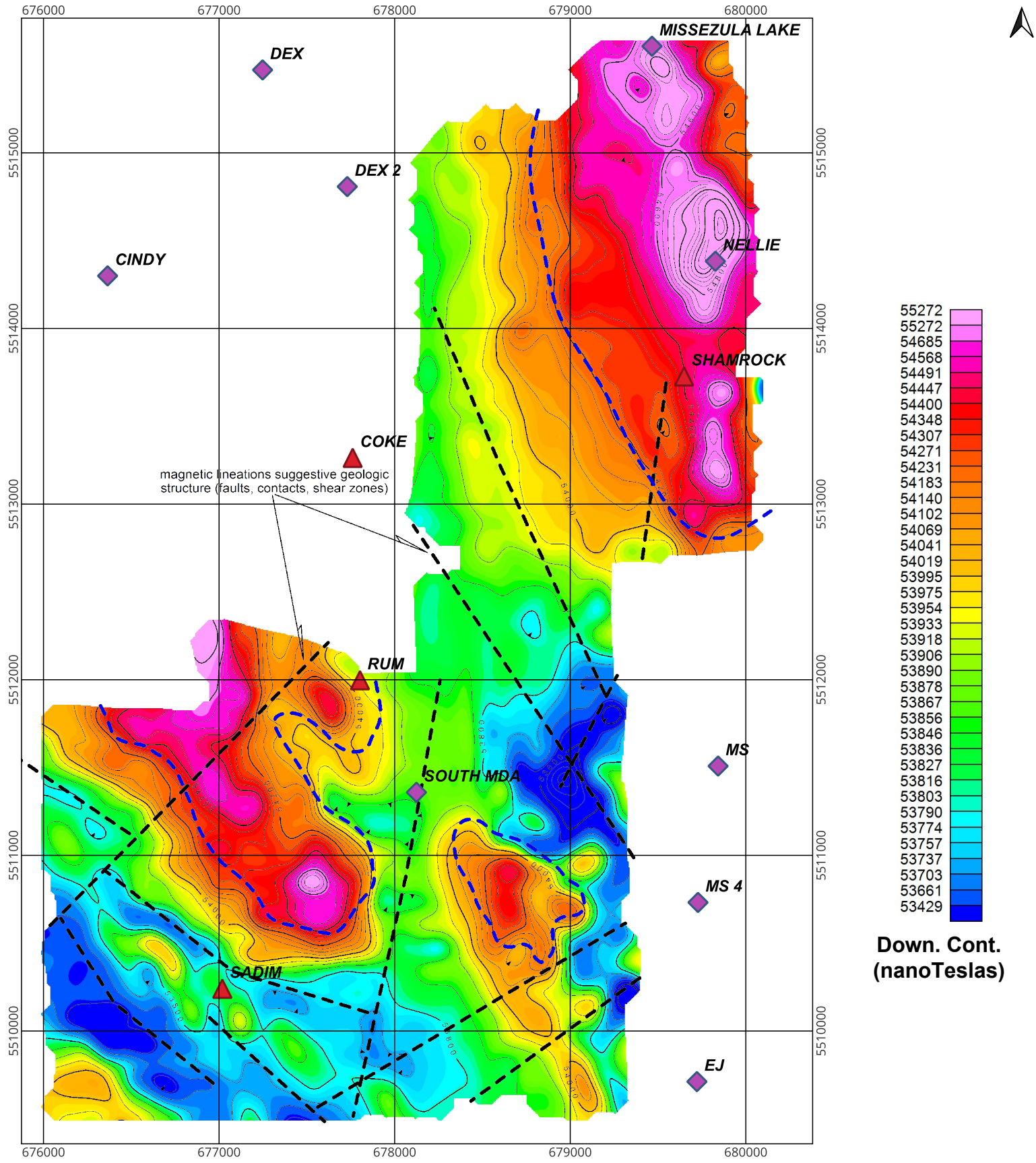
SADIM PROPERTY
Missezula Lake, Aspen Grove Area, South Central BC

2nd VERTICAL DERIVATIVE
UAV MAGNETIC SURVEY

DRAWN BY:	JOB NO.:	BCGS:	DATE:	FIG NO.:
CAM	21-08	92H.078	MAR '22	GP-4



UAV magnetometer: GEM Systems, model GSMP-35U
Reading interval: 20 readings/sec
Base magnetometer: GEM Systems, model GSM-19 overhauser
Reading interval: 1 reading/sec
UAV (drone): DJI Matrice 300

Terrain clearance: 50 meters
Survey line separation: 50 meters

0 0.25 0.5 0.75 1 km

WGS 84 / UTM Zone 10N

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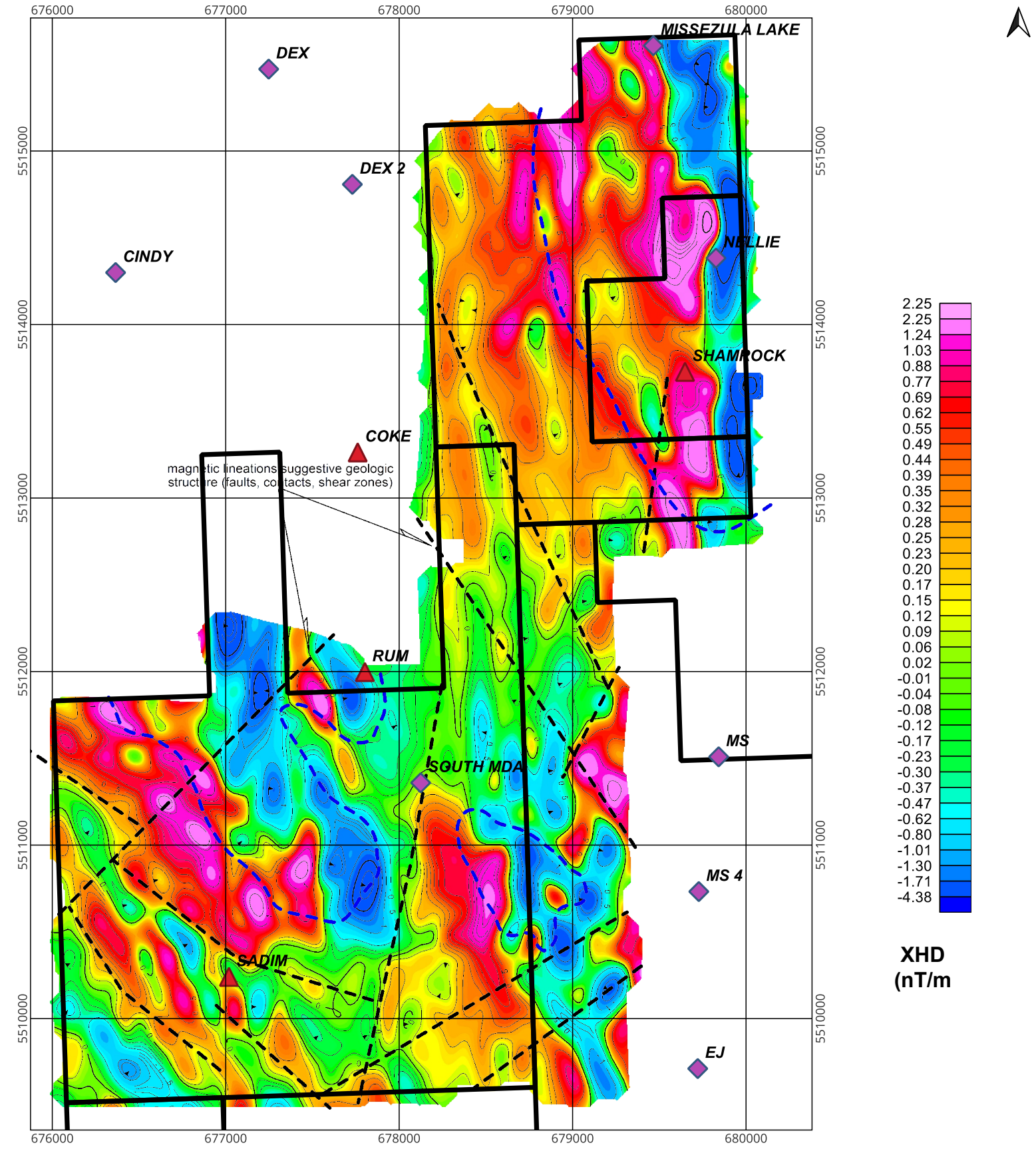
SADIM PROPERTY

Missezula Lake, Aspen Grove Area, South Central BC

DOWNWARD CONTINUATION (30m)

UAV MAGNETIC SURVEY

DRAWN BY:	JOB NO.:	BCGS:	DATE:	FIG NO.:
CAM	21-08	92H.078	MAR '22	GP-5



UAV magnetometer: GEM Systems, model GSMP-35U
Reading interval: 20 readings/sec
Base magnetometer: GEM Systems, model GSM-19 overhauser
Reading interval: 1 reading/sec
UAV (drone): DJI Matrice 300

Terrain clearance: 50 meters
Survey line separation: 50 meters

0 0.25 0.5 0.75 1 km

WGS 84 / UTM Zone 10N

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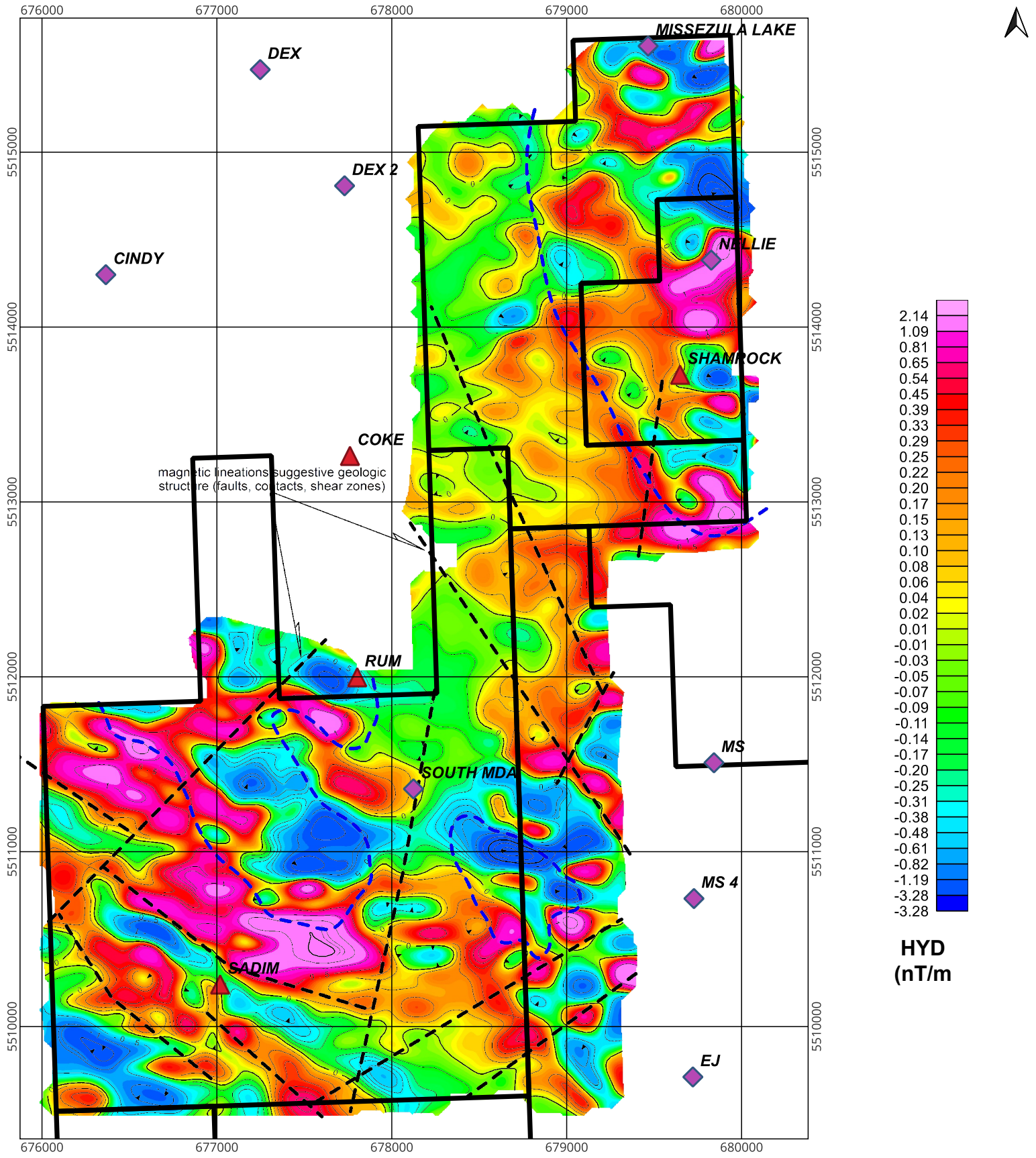
SADIM PROPERTY

Missezula Lake, Aspen Grove Area, South Central BC

HORIZONTAL X DERIVATIVE

UAV MAGNETIC SURVEY

DRAWN BY:	JOB NO.:	BCGS:	DATE:	FIG NO.:
CAM	21-08	92H.078	MAR '22	GP-6



UAV magnetometer: GEM Systems, model GSMP-35U
Reading interval: 20 readings/sec
Base magnetometer: GEM Systems, model GSM-19 overhauser
Reading interval: 1 reading/sec
UAV (drone): DJI Matrice 300

Terrain clearance: 50 meters
Survey line separation: 50 meters

0 0.25 0.5 0.75 1 km

WGS 84 / UTM Zone 10N

Geotronics Consulting Inc
Exploration done right

RICHARD BILLINGSLEY

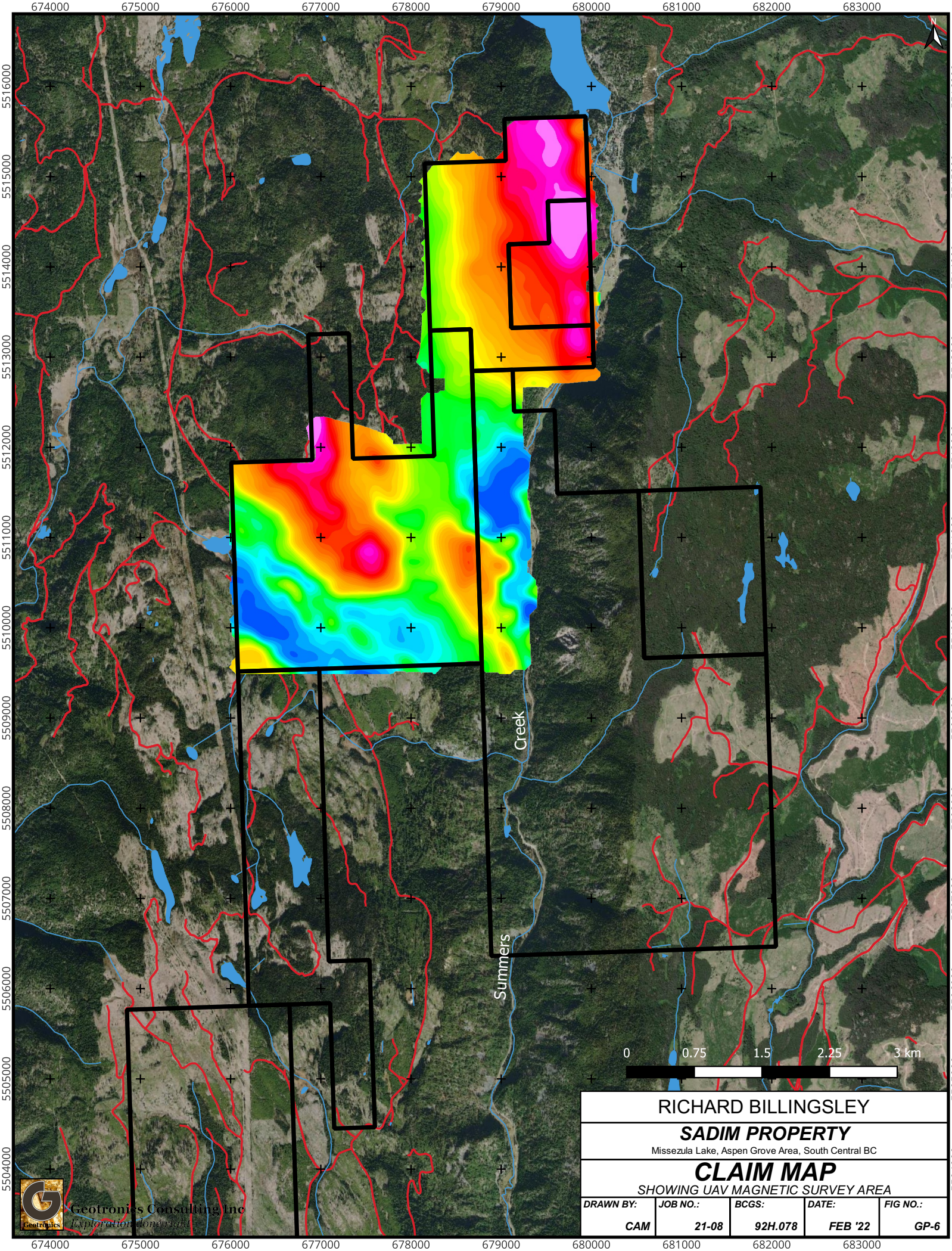
SADIM PROPERTY

Missezula Lake, Aspen Grove Area, South Central BC

HORIZONTAL Y DERIVATIVE

UAV MAGNETIC SURVEY

DRAWN BY:	JOB NO.:	BCGS:	DATE:	FIG NO.:
CAM	21-08	92H.078	MAR '22	GP-7



RICHARD BILLINGSLEY

SADIM PROPERTY

Missezula Lake, Aspen Grove Area, South Central BC

CLAIM MAP

SHOWING UAV MAGNETIC SURVEY AREA

DRAWN BY:	JOB NO.:	BCGS:	DATE:	FIG NO.:
CAM	21-08	92H.078	FEB '22	GP-6

Geotronics Consulting Inc
Exploration done right

APPENDIX D EXPLORATION RESULT FIGURES
FIGURE 6-1: SADIM TARGET SOIL STATION PLOT
FIGURE 6-2: SHAMROCK TARGET SOIL STATION ID PLOT
FIGURE 6-3: SADIM TARGET GOLD PLOT
FIGURE 6-4: SADIM TARGET SILVER PLOT
FIGURE 6-5: DADIM TARGET COPPER PLOT
FIGURE 6-6: SHAMROCK TARGET GOLD PLOT
FIGURE 6-7: SHAMROCK TARGET SILVER PLOT
FIGURE 6-8: SHAMROCK TARGET COPPER PLOT

RGSI

Legend

- PROJECT CLAIM BDY'S
- RUM CLAIM BDY
- CONTOUR LINE
- 1625 - ELEVATION
- ROAD
- STREAM
- LAKE
- MINFILE OCCURRENCE
- (LEFT) Type S-showing
- (LEFT) Type P-Prospect
- (LEFT) DP-Developed Prospect
- (TOP) Minfile ID
- (RIGHT) Minfile NAME

SOIL SAMPLE SITE EXPLANATION

SAMPLE STATION ID

Scale	Plot Date	Sheet
1 : 8000	09-Mar-2022	1 of 1
	Plot File: SADIM GRID GOLD PLOT	

100 0 100m

FIGURE 6-1
SADIM PROJECT
SADIM TARGET
2020-2021 GEOCHEMICAL PLOT
SAMPLE LOCATIONS AND IDS

RICHARD J. BILLINGSLEY
OWNER

N

679000mE

680000mE

5516000mN

5515000mN

5514000mN

5513000mN

MISSEZULA LAKE
SOUTH END

SHAMROCK 2- 1071817

SHAMROCK - 1071815

KODIAK COPPER PMD PROJECT BDY

SUMMERS CREEK ROAD

SUMMERS CREEK

SADIM - 1067868
TOP NE CORNER

GOLDEN - 1067869
TOP NW CORNER

SHAMROCK 2 - 1071817

SP0001 SP0002 SP0003 SP0004 SP0005 SP0006 SP0007
SP0009 SP0010 SP0011 SP0012 SP0013 SP0015 SP0014
SP0021 SP0020 SP0019 SP0018 SP0016
SP0022 SP0023 SP0024 SP0025 SP0026 SP0027
SP0033 SP0032 SP0031 SP0030 SP0029 SP0028
SP0048 SP0047 SP0046 SP0045 SP0044 SP0043 SP0042 SP0041 SP0040 SP0034 SP0035 SP0036 SP0037 SP0038 SP0039
SP0181 SP0182 SP0183 SP0184 SP0185 SP0186 SP0187 SP0188 SP0148 SP0147 SP0146 SP0145 SP0144 SP0124 SP0123 SP0049
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SP0190 SP0189 SP0166 SP0165 SP0164 SP0143 SP0125 SP0122 SP0050
SP0197 SP0198
SP0199 SP0200 SP0201 SP0202 SP0203 SP0204 SP0161 SP0162 SP0163 SP0142 SP0126 SP0121 SP0051 SP0052
SP0212 SP0211 SP0210 SP0209 SP0208 SP0207 SP0206 SP0205 SP0160 SP0159 SP0158 SP0141 SP0127 SP0120 SP0099 SP0053
SP0213
SP0214 SP0215 SP0216 SP0217 SP0234 SP0235 SP0155 SP0156 SP0157 SP0140 SP0128 SP0119 SP0100 SP0054
SP0233
SP0222 SP0221 SP0220 SP0219 SP0218 SP0236 SP0154 SP0153 SP0139 SP0129 SP0118 SP0101 SP0055
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SP0309 SP0308
SP0245 SP0134 SP0113 SP0106 SP0060
SP0270 SP0271 SP0272 SP0273 SP0274 SP0275 SP0276 SP0277 SP0278 SP0279 SP0280 SP0491 SP0133 SP0112 SP0107 SP0061
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SP0440 SP0435 SP0434 SP0429 SP0428 SP0376 SP0442 SP0522 SP0523 SP0535 SP0536 SP0540 SP0090 SP0089 SP0082 SP0077

RGSI

DRAFTING AND DESIGN BY
LEOPOLD J. LINDINGER, P.Geo.
of
RENAISSANCE GEOSCIENCE SERVICES INC.

Legend

- PROJECT CLAIM BDY'S
- RUM CLAIM BDY
- CONTOUR LINE
- 1625 - ELEVATION
- ROAD
- STREAM
- LAKE
- MINFILE OCCURRENCE
- (LEFT) Type S-showing
- (LEFT) Type P-Prospect
- (LEFT) DP-Developed Prospect
- (TOP) Minfile ID
- (RIGHT) Minfile NAME

SOIL SAMPLE SITE EXPLANATION

SAMPLE STATION ID

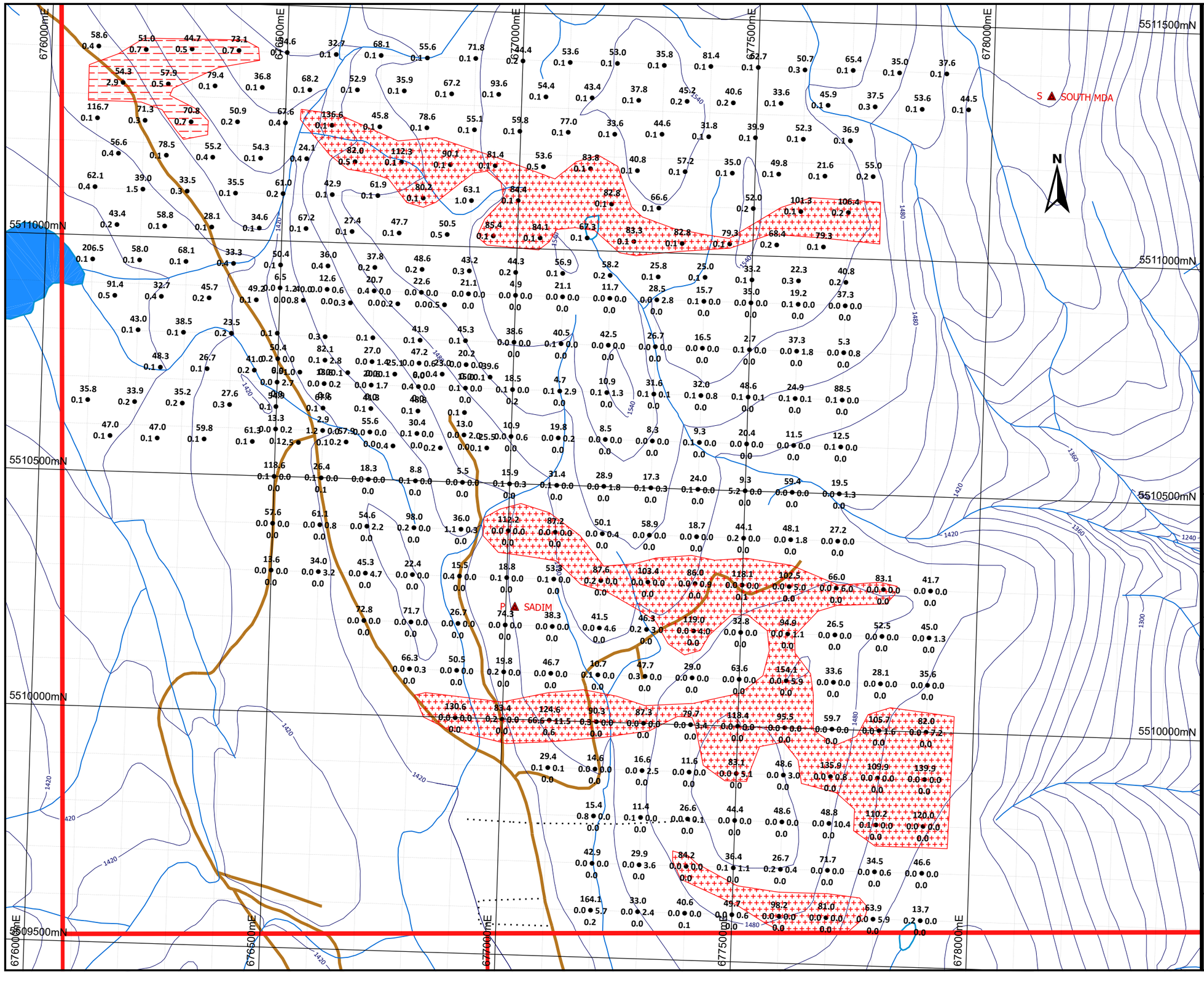
Scale	Plot Date	Sheet
1 : 10000	09-Mar-2022	1 of 1

Plot File: SHAMROCK DETAIL SAMPLE NO'S

100 0 100m

FIGURE 6-2
SADIM PROJECT
SHAMROCK TARGET
2020-2021
GEOCHEMICAL PLOT
SAMPLE IDS

RICHARD J BILLINGSLEY
OWNER



RGSI

Legend

- PROJECT CLAIM BDY'S
- RUM CLAIM BDY
- CONTOUR LINE
- 1625 - ELEVATION
- ROAD
- STREAM
- LAKE
- SGH > 80 PPT
- MMI > 5 ppb
- MINFILE OCCURRENCE
- (LEFT) Type S-showing
- (LEFT) Type P-Prospect
- (LEFT) DP-Developed Prospect
- (TOP) Minfile ID
- (RIGHT) Minfile NAME
- BOTTOM NO IS 4 ACID ICP MS RESULT IN ppb

SAMPLE RESULT EXPLANATION

SGH Au (ppt)

MMI or IL Au (ppb) ● BIOLEACH Au (ppb)

Scale	Plot Date	Sheet
1 : 8000	09-Mar-2022	1 of 1
	Plot File: SADIM GRID GOLD PLOT	

100 0 100m

FIGURE 6-3
SADIM PROJECT
SADIM TARGET
2020-2021 GEOCHEMICAL PLOT
SOIL GAS HYDROCARBON GOLD
BIOLEACH GOLD (2020 ONLY)
MOBILE METAL ION OR IONIC LEACH GOLD
4-ACID ICP-ME GOLD (2020 only)

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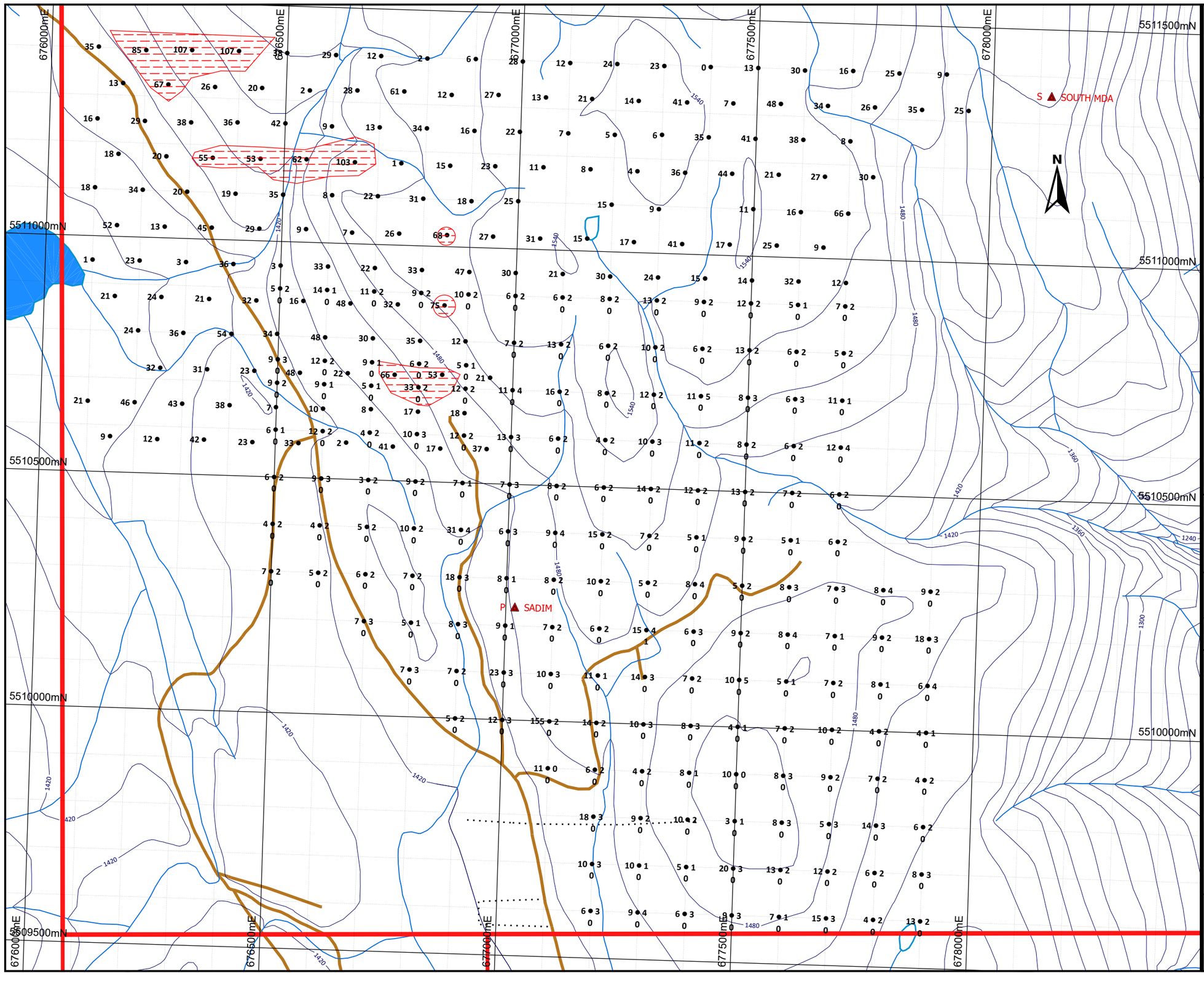
OWNER



RGSI

Legend

- PROJECT CLAIM BDY'S
- RUM CLAIM BDY
- CONTOUR LINE
- 1625 - ELEVATION
- ROAD
- STREAM
- LAKE
- MMI > 50 ppb Ag
- MINFILE OCCURRENCE
- (LEFT) Type S-showing
- (LEFT) Type P-Prospect
- (LEFT) DP-Developed Prospect
- (TOP) Minfile ID
- (RIGHT) Minfile NAME
- BOTTOM NO IS 4 ACID ICP MS RESULT IN ppb

SOIL SAMPLE SITE EXPLANATION

MMI SILVER (ppb) ● BIOLEACH SILVER (ppb)

Scale	Plot Date	Sheet
1 : 8000	09-Mar-2022	1 of 1
	Plot File: SADIM GRID GOLD PLOT	

100 0 100m

FIGURE 6-4
SADIM PROJECT
SADIM TARGET
2020-2021 GEOCHEMICAL PLOT
BIOLEACH SILVER (2020 only)
MOBILE METAL ION OR IONIC LEACH SILVER
4 ACID - ICP-MS SILVER (BOTTOM - 2020 only)

RICHARD J. BILLINGSLEY
OWNER

RGSI

Legend

- PROJECT CLAIM BDY'S
- RUM CLAIM BDY
- CONTOUR LINE
- 1625 - ELEVATION
- ROAD
- STREAM
- LAKE
- MINFILE OCCURRENCE
- (LEFT) Type S-showing
- (LEFT) Type P-Prospect
- (LEFT) DP-Developed Prospect
- (TOP) Minfile ID
- (RIGHT) Minfile NAME
- BOTTOM Cu # 4 ACID ICP-MS VALUE IN PPB

SOIL SAMPLE SITE EXPLANATION

SGH COPPER (ppt)

MMI COPPER (ppb) BIOLEACH COPPER (ppb)

Scale	Plot Date	Sheet
1 : 8000	09-Mar-2022	1 of 1
	Plot File: SADIM GRID GOLD PLOT	

100 0 100m

FIGURE 6-5
SADIM PROJECT
SADIM TARGET
2020-2021 GEOCHEMICAL PLOT
MOBILE METAL ION OR IONIC LEACH COPPER
BIOLEACH COPPER (2020 only)
4 ACID -ICP-MS COPPER (BOTTOM 2020 ONLY)

RICHARD J. BILLINGSLEY
OWNER

RGSI

DRAFTING AND DESIGN BY LEOPOLD J. LINDINGER, P.Geo. of RENAISSANCE GEOSCIENCE SERVICES INC.

Legend

- PROJECT CLAIM BDY'S
- RUM CLAIM BDY
- CONTOUR LINE
- 1625 - ELEVATION
- ROAD
- STREAM
- LAKE
- SGH > 40 PPT
- MMI > 4 ppb
- MINFILE OCCURRENCE
- (LEFT) Type S-showing
- (LEFT) Type P-Prospect
- (LEFT) DP-Developed Prospect
- (TOP) Minfile ID
- (RIGHT) Minfile NAME

SOIL SAMPLE SITE EXPLANATION
SGH GOLD (ppt)
MMI GOLD (ppb) BIOLEACH GOLD (ppb)

Scale	Plot Date	Sheet
1 : 10000	09-Mar-2022	1 of 1

Plot File: SHAMROCK DETAIL SAMPLE NO'S

100 0 100m

FIGURE 6-6
SADIM PROJECT
SHAMROCK TARGET
2020-2021
GEOCHEMICAL PLOT
SOIL GAS
HYDROCARBON GOLD
BIOLEACH GOLD
(PARTIAL RESULTS)
MOBILE METAL ION OR IONIC LEACH GOLD

RICHARD J BILLINGSLEY
OWNER

N

679000mE

680000mE

5516000mN

5515000mN

5514000mN

5513000mN

MISSEZULA LAKE SOUTH END

SHAMROCK 2- 1071817

SHAMROCK - 1071815

KODIAK COPPER PMD PROJECT BDY

SUMMERS CREEK ROAD

SUMMERS CREEK

SADIM - 1067868
TOP NE CORNER

GOLDEN - 1067869
TOP NW CORNER

SHAMROCK 2 - 1071817

N

679000mE

680000mE

5516000mN

5515000mN

5514000mN

5513000mN

MISSEZULA LAKE
SOUTH END

SHAMROCK 2- 1071817

SHAMROCK - 1071815

KODIAK COPPER PMD PROJECT BDY

SUMMERS CREEK ROAD

SUMMERS CREEK

SADIM - 1067868
TOP NE CORNER

GOLDEN - 1067869
TOP NW CORNER

SHAMROCK 2 - 1071817

RGSI

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LEOPOLD J. LINDINGER,
P.Geo.
of
RENAISSANCE
GEOSCIENCE SERVICES
INC.

Legend

- PROJECT CLAIM BDY'S
- RUM CLAIM BDY
- CONTOUR LINE
- 1625 - ELEVATION
- ROAD
- STREAM
- LAKE
- MMI > 40 ppb Ag
- MINFILE OCCURRENCE
- (LEFT) Type S-showing
- (LEFT) Type P-Prospect
- (LEFT) DP-Developed Prospect
- (TOP) Minfile ID
- (RIGHT) Minfile NAME

SOIL SAMPLE SITE EXPLANATION

MMI SILVER (ppb) ● BIOLEACH SILVER (ppb)

Scale	Plot Date	Sheet
1 : 10000	09-Mar-2022	1 of 1

Plot File: SHAMROCK DETAIL SAMPLE NO'S

100 0 100m

FIGURE 6-7
SADIM PROJECT
SHAMROCK TARGET
2020-2021
GEOCHEMICAL PLOT
BIOLEACH SILVER
(PARTIAL RESULTS)
MOBILE METAL ION
SILVER

RICHARD J
BILLINGSLEY
OWNER

N

679000mE

680000mE

5516000mN

5515000mN

5514000mN

5513000mN

MISSEZULA LAKE
SOUTH END

SHAMROCK 2- 1071817

SHAMROCK - 1071815

KODIAK COPPER PMD PROJECT BDY

SUMMERS CREEK ROAD

SUMMERS CREEK

SADIM - 1067868
TOP NE CORNER

GOLDEN - 1067869
TOP NW CORNER

SHAMROCK 2 - 1071817

RGSI

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LEOPOLD J. LINDINGER,
P.Geo.
of
RENAISSANCE
GEOSCIENCE SERVICES
INC.

Legend

- PROJECT CLAIM BDY'S
- RUM CLAIM BDY
- CONTOUR LINE
- 1625 - ELEVATION
- ROAD
- STREAM
- LAKE
- SGN > 20 ppt Cu
- MMI > 4000 ppb Cu
- MINFILE OCCURRENCE
- (LEFT) Type S-showing
- (LEFT) Type P-Prospect
- (LEFT) DP-Developed Prospect
- (TOP) Minfile ID
- (RIGHT) Minfile NAME

SOIL SAMPLE SITE EXPLANATION
SGH COPPER (ppt)
MMI COPPER (ppb) BIOLEACH COPPER (ppb)

Scale	Plot Date	Sheet
1 : 10000	09-Mar-2022	1 of 1

Plot File: SHAMROCK DETAIL SAMPLE NO'S

100 0 100m

FIGURE 6-8
SADIM PROJECT
SHAMROCK TARGET
2020-2021
GEOCHEMICAL PLOT
BIOLEACH COPPER
(PARTIAL RESULTS)
MOBILE METAL ION
COPPER
SOIL GAS
HYDROCARBON
COPPER

RICHARD J
BILLINGSLEY
OWNER

APPENDIX E SAMPLING FILES

LONG	LAT	ele (M)	time	STN ID	FIELD NOTES
-120.545905	49.71647898	1417.649292	2020/11/26 17:20:09+00	1000N6900E	no comments recorded
-120.544528	49.71646397	1420.140625	2020/11/23 20:06:12+00	1000N7000E	brown, thin org, poorly sorted
-120.543156	49.71644503	1450.157471	2020/11/26 22:42:43+00	1000N7100E	brown, rocky, poorly sorted, angular clasts, possibly dozer push?
-120.541752	49.71633598	1448.953735	2020/11/26 22:30:16+00	1000N7200E	brown, pebbly, site below road cut and above marshy area (site possibly disturbed)
-120.540338	49.716383	1454.262939	2020/11/26 22:10:40+00	1000N7300E	brown, fine grained, thin organics
-120.539023	49.71633397	1472.364502	2020/11/26 22:03:15+00	1000N7400E	brown, sandy soil, appears to be disturbed (multiple soil horizons
-120.537691	49.71626298	1495.541992	2020/11/26 21:49:42+00	1000N7500E	brown, sandy soil, angular clasts
-120.536207	49.71630899	1476.292725	2020/11/26 19:20:40+00	1000N7600E	brown, shallow organics layer, subangular clasts, poorly sorted
-120.534798	49.71622098		2020/11/26 03:34:05+00	1000N7700E	brown, poorly sorted
-120.53341	49.71626096	1503.958252	2020/11/25 20:46:12+00	1000N7800E	brown, poorly sorted
-120.53206	49.71620103	1487.853394	2020/11/25 20:01:29+00	1000N7900E	brown, poorly sorted
-120.547268	49.71737903	1412.461426	2020/11/23 19:25:29+00	1100N6800E	thin organic layer, semi-rounded and semi-angular clasts, brown, poorly sorted
-120.545898	49.71738297	1416.119141	2020/11/23 19:36:12+00	1100N6900E	site just up slope from marshy area, brown, poorly sorted, clasts generally rounded
-120.544543	49.71741398	1426.746704	2020/11/23 19:53:28+00	1100N7000E	Sample site on slope above road cut, rocky, clast of white quartz vein material, poorly sorted, thin organic layer
-120.543165	49.71732899	1458.685669	2020/11/26 17:52:56+00	1100N7100E	brown
-120.541653	49.71735103	1456.968872	2020/11/26 18:09:49+00	1100N7200E	brown, silty, on outcrop, quartz fragments in soil
-120.540225	49.71720996	1460.047974	2020/11/26 18:25:13+00	1100N7300E	brown, sample site moved slightly due to road
-120.539004	49.71722798	1464.769287	2020/11/26 18:38:56+00	1100N7400E	brown, subangular clasts, poorly sorted
-120.537616	49.71722698	1476.143433	2020/11/26 18:52:45+00	1100N7500E	brown, shallow organics layer, subangular clasts, poorly sorted
-120.536142	49.71720301	1483.757324	2020/11/26 19:10:48+00	1100N7600E	brown, shallow organics layer, subangular clasts, poorly sorted
-120.534761	49.71712899		2020/11/26 03:37:15+00	1100N7700E	brown, poorly sorted
-120.533452	49.71713101	1502.782593	2020/11/25 21:31:19+00	1100N7800E	brown, poorly sorted
-120.532003	49.71710804	1494.552856	2020/11/25 19:47:46+00	1100N7900E	brown, poorly sorted
-120.548343	49.71833498	1407.357544	2020/11/23 19:09:41+00	1200N6700E	sample site moved 10m to the E of the proposed location due to road, sample site upslope of road, thin organic layer, brown, poorly sorted
-120.547178	49.71831797	1422.547974	2020/11/23 18:52:55+00	1200N6800E	brown, subrounded clasts, poorly sorted, thin organics layer
-120.54596	49.71825502	1415.540527	2020/11/23 18:41:07+00	1200N6900E	point moved ~15m WNW from proposed sample location due to road and marshy area, moderately thick organics layer, brown, poorly sorted
-120.544356	49.71823499		2020/11/26 03:49:34+00	1200N7000E	no comments recorded
-120.543041	49.71816801		2020/11/26 03:48:31+00	1200N7100E	brown, mod well sorted, finer grained
-120.541619	49.718194		2020/11/26 03:47:23+00	1200N7200E	poorly sorted, mod well sorted, finer grained
-120.54029	49.71810599		2020/11/26 03:46:12+00	1200N7300E	fragment of white quartz in clasts, sample site near to but upslope from road cut
-120.538894	49.71826399		2020/11/26 03:44:57+00	1200N7400E	sample site moved 12m N of proposed sample site due to marsh area, brown, poorly sorted, sandy
-120.537634	49.71811303		2020/11/26 03:43:41+00	1200N7500E	brown, poorly sorted, sample site moved 10m west of proposed loc
-120.536154	49.71802996		2020/11/26 03:42:32+00	1200N7600E	brown, poorly sorted
-120.534755	49.71803499		2020/11/26 03:38:18+00	1200N7700E	brown, poorly sorted
-120.533357	49.71801002	1506.262939	2020/11/25 21:43:57+00	1200N7800E	brown, poorly sorted
-120.531984	49.71798697	1506.608154	2020/11/25 19:35:33+00	1200N7900E	brown, poorly sorted
-120.55116	49.71928599	1386.559448	2020/11/23 21:46:25+00	1300N6500E	25cm thick layer of organics, grey soil, sandy, well sorted, clast poor, sample location in topographic low
-120.549922	49.71926797	1392.101929	2020/11/23 21:33:32+00	1300N6600E	moderately thick organics layer, grey brown soils, well sorted, clast poor, sample location in topographic low area
-120.548569	49.71921701	1407.702759	2020/11/23 21:24:09+00	1300N6700E	poorly sorted, brown, thin organics layer
-120.547092	49.71922204	1423.163818	2020/11/23 20:45:29+00	1300N6800E	mod thin organics layer, brown, wonderful horizon development, poorly sorted
-120.545796	49.719186	1416.296387	2020/11/23 18:13:11+00	1300N6900E	thin organic layer, brown, rocky, angular and subrounded clasts, poorly sorted
-120.544399	49.71914099	1511.310791	2020/11/25 17:05:16+00	1300N7000E	brown, poorly sorted, angular clasts
-120.542992	49.71911903	1532.164917	2020/11/25 17:21:04+00	1300N7100E	brown, poorly sorted, angular clasts, rocky

LONG	LAT	ele (M)	time	STN ID	FIELD NOTES
-120.54163	49.71909799	1540.83313	2020/11/25 17:38:38+00	1300N7200E	brown, poorly sorted, mix of angular and subrounded clasts, pebbly, rich milk chocolate brown colour
-120.54025	49.71906697	1541.439575	2020/11/25 17:51:30+00	1300N7300E	brown, poorly sorted
-120.538855	49.71904099	1528.62854	2020/11/25 18:03:16+00	1300N7400E	brown, poorly sorted
-120.537454	49.71902498	1518.280884	2020/11/25 18:17:46+00	1300N7500E	brown, poorly sorted
-120.536061	49.71895298	1522.712891	2020/11/25 18:31:16+00	1300N7600E	brown, poorly sorted
-120.534624	49.719115	1518.24353	2020/11/25 18:46:21+00	1300N7700E	sample site moved 20m N from proposed located to avoid open marshy area, soils brown, poorly sorted
-120.533199	49.71889297	1518.056885	2020/11/25 19:08:21+00	1300N7800E	brown, poorly sorted
-120.531934	49.71889699	1508.623535	2020/11/25 19:23:27+00	1300N7900E	brown, poorly sorted
-120.551324	49.720193	1391.849976	2020/11/23 21:56:42+00	1400N6500E	soil sandy with gravel, well sorted, thin organics layer, brown, few meters up slope of old road cut
-120.549854	49.72016601	1393.305542	2020/11/23 22:06:57+00	1400N6600E	sandy, brown, no clasts larger than gravel sized observed, well sorted, sample site 10m below road cut
-120.54849	49.72012997	1415.148682	2020/11/23 21:11:20+00	1400N6700E	poorly sorted, brown, thin organics layer
-120.547145	49.72017297	1416.417725	2020/11/23 20:58:37+00	1400N6800E	poorly sorted, brown, thin organics layer
-120.545761	49.72006199	1422.380005	2020/11/23 17:53:56+00	1400N6900E	mix of angular and rounded clasts, sample site is located 3m down slope of outcrop, brown, poorly sorted
-120.544394	49.720007	1511.730713	2020/11/24 23:08:01+00	1400N7000E	brown, poorly sorted
-120.542956	49.72003299	1530.009521	2020/11/24 22:56:37+00	1400N7100E	brown, poorly sorted
-120.541567	49.72000801	1547.364624	2020/11/24 22:42:17+00	1400N7200E	sample site located at base of slope, gravelly, clast rich, brown, poorly sorted
-120.540169	49.71996401	1542.512695	2020/11/24 22:32:46+00	1400N7300E	brown, poorly sorted, rocky
-120.538781	49.71992997	1528.199341	2020/11/24 22:19:58+00	1400N7400E	brown, poorly sorted, rocky
-120.537775	49.71976502	1516.974487	2020/11/24 22:10:55+00	1400N7500E	sample site moved 30m with due to marshy area, brown, unassuming
-120.536027	49.71985797	1516.974487	2020/11/24 21:56:53+00	1400N7600E	brown, moderately poorly sorted
-120.534688	49.71985697	1514.445923	2020/11/24 21:43:52+00	1400N7700E	clast poor, brown, well sorted, fine material, sandy
-120.55124	49.72108601	1392.279175	2020/11/23 22:35:24+00	1500N6500E	brown, poorly sorted, thin org, down slope from road cut, till? (rounded clasts)
-120.549797	49.72108902	1396.851196	2020/11/23 22:17:48+00	1500N6600E	brown, poorly sorted, thin org, upslope from road cut, till? (rounded clasts)
-120.548495	49.72095801	1418.339844	2020/11/23 17:02:03+00	1500N6700E	rocky with angular clasts, thin organics layer, brown, poorly sorted
-120.547092	49.72099297	1415.158081	2020/11/23 17:12:49+00	1500N6800E	Brown, rounded and angular clasts, site 3m downslope of outcrop, relatively clast poor, poorly sorted
-120.54571	49.720985	1436.581299	2020/11/23 17:22:57+00	1500N6900E	brown, moderately rocky, mix of subangular and subrounded clasts, moderately thin organic layer, site in 30-40 year old cut block, poorly sorted
-120.544343	49.72094603	1467.325928	2020/11/24 16:48:11+00	1500N7000E	brown poorly sorted
-120.542952	49.720913	1489.943481	2020/11/24 16:58:04+00	1500N7100E	brown, poorly sorted, rocky with rounded clasts, sample site in ~20 year old cut block
-120.541585	49.72087202	1519.400513	2020/11/24 17:12:17+00	1500N7200E	brown, rocky, poorly sorted, 5m downslope from outcrop
-120.540138	49.72087101	1517.002563	2020/11/24 17:30:53+00	1500N7300E	brown, poorly sorted
-120.538722	49.72084201	1519.549805	2020/11/24 20:47:15+00	1500N7400E	brown, rocky, poorly sorted
-120.537411	49.72083304	1511.628052	2020/11/24 20:57:10+00	1500N7500E	brown, rocky with angular clasts, poorly sorted
-120.535995	49.72071603	1508.950195	2020/11/24 21:15:05+00	1500N7600E	brown, mod well sorted, clast poor
-120.53459	49.720783	1507.569214	2020/11/24 21:31:30+00	1500N7700E	brown, sample site located in topographic low, cobble and fines, relatively clast poor
-120.551196	49.722006	1392.913696	2020/11/23 22:42:56+00	1600N6500E	brown, poorly sorted, upslope from road cut
-120.549748	49.72209703	1393.492188	2020/11/23 23:04:37+00	1600N6600E	no comments recorded
-120.548433	49.72186997	1410.539307	2020/11/22 23:57:23+00	1600N6700E	rounded clasts, brown, poorly sorted, pebbly
-120.547009	49.72193501	1428.566284	2020/11/22 23:43:41+00	1600N6800E	pebbly, poorly sorted, soil grey brown, clast rich
-120.545639	49.72187298	1448.384644	2020/11/22 23:28:07+00	1600N6900E	org layer 20cm thick, sample location is in minor topographic low, rounded clasts, poorly sorted, brown
-120.544238	49.72184801	1473.120239	2020/11/22 23:15:52+00	1600N7000E	sample location 30m downslope of outcrop, thin organic layer
-120.542995	49.72179403	1483.150757	2020/11/22 23:05:37+00	1600N7100E	brown, rocky, ang, poorly sorted
-120.541488	49.72179696	1515.612305	2020/11/22 22:50:14+00	1600N7200E	sample site near to outcrop, brown, poorly sorted, angular clasts, rocky soil
-120.540117	49.72176896	1531.912964	2020/11/24 17:42:12+00	1600N7300E	brown, poorly sorted
-120.538711	49.72169696	1523.104858	2020/11/24 20:33:57+00	1600N7400E	brown, rocky, poorly sorted
-120.537339	49.72166503	1510.974854	2020/11/24 20:03:14+00	1600N7500E	brown, rocky, poorly sorted
-120.535937	49.72167903	1499.750122	2020/11/24 19:45:34+00	1600N7600E	brown, clast poor

LONG	LAT	ele (M)	time	STN ID	FIELD NOTES
-120.534634	49.72171498	1498.537109	2020/11/24 19:34:29+00	1600N7700E	brown, rocky, poorly sorted, angular and subrounded clasts
-120.551236	49.72282701	1381.408936	2020/11/22 16:45:34+00	1700N6500E	Brown soil, poorly sorted, till, moved sample site ~10m west due to marshy ground
-120.549761	49.72287102	1405.323486	2020/11/22 16:51:46+00	1700N6600E	Brown soil, poorly sorted, till
-120.548396	49.72282098	1408.617188	2020/11/22 17:01:27+00	1700N6700E	15m down slope of forestry landing / road cut, but soil still appears undisturbed, rocky, brown, poorly sorted
-120.547011	49.722797	1430.133789	2020/11/22 17:10:39+00	1700N6800E	rocky and angular
-120.545606	49.72277597	1453.441895	2020/11/22 17:25:59+00	1700N6900E	shallow organic, mix of rounded and angular clasts, brown, poorly sorted
-120.543907	49.72286599	1493.58252	2020/11/22 17:48:03+00	1700N7000E	no comments recorded
-120.54286	49.722724	1481.63916	2020/11/22 18:07:41+00	1700N7100E	shallow organic, mix of rounded and angular clasts, brown, poorly sorted
-120.541016	49.72276004	1534.152344	2020/11/22 22:34:52+00	1700N7200E	point moved 30m to the ENE due to outcrop, sample taken on topographic high, rocky with angular clasts, brown
-120.540042	49.72270799	1545.703735	2020/11/24 18:05:11+00	1700N7300E	brown, poorly sorted, rocky, sample site located near topographic high, outcrop nearby
-120.53872	49.72263004	1524.737671	2020/11/24 18:22:03+00	1700N7400E	brown, sample site located near topographic low, poorly sorted, sample site located between two outcrops
-120.537388	49.72264303	1525.120239	2020/11/24 18:43:24+00	1700N7500E	brown, rocky, poorly sorted, angular clasts, sample site in area of deadfall
-120.535928	49.722551	1513.494141	2020/11/24 18:58:29+00	1700N7600E	brown, rocky, poorly sorted, angular clasts, sample site in area of deadfall
-120.534614	49.72253599	1511.32019	2020/11/24 19:19:06+00	1700N7700E	brown, rocky, poorly sorted, angular and subrounded clasts
-120.551014	49.72374399	1357.625	2020/11/21 17:50:36+00	1800N6500E	reworked dozer push, poorly sorted, rounded and silty
-120.549864	49.72376998	1374.485596	2020/11/21 18:13:42+00	1800N6600E	~15cm of organics, silty with rounded clasts, 10m below outcrop, poorly sorted
-120.548351	49.72374198	1406.620483	2020/11/21 22:32:42+00	1800N6700E	no comments recorded
-120.54691	49.72369303	1426.914673	2020/11/21 22:26:43+00	1800N6800E	mix of angular and subangular clasts, poorly sorted, brown tan soil
-120.545645	49.72362204	1438.997925	2020/11/21 22:16:19+00	1800N6900E	5m below outcrop, talus slope with sparse soils, soils light brown-tan, rocky, poorly sorted
-120.544264	49.72362899	1463.705566	2020/11/21 22:05:38+00	1800N7000E	flattish area with common small outcrop, poorly sorted, thin organics, reddish brown soil, angular clasts
-120.542724	49.72357501	1492.957397	2020/11/22 18:18:44+00	1800N7100E	shallow organic, mix of rounded and angular clasts, brown, poorly sorted, outcrops nearby, sample moved 10m from proposed location due to thick organics in topographic low
-120.541347	49.72356797	1518.486084	2020/11/22 22:12:15+00	1800N7200E	outcrop nearby, angular clasts, poorly sorted, brown, sample site located immediately adjacent to outcrop
-120.539993	49.72356596	1500.001953	2020/11/22 21:48:29+00	1800N7300E	loamy soil with angular clasts located in topographic low, brown poorly sorted
-120.538563	49.72351802	1510.974854	2020/11/22 21:23:00+00	1800N7400E	10m downslope of outcrop, soil contains angular and subangular clasts, brown, rocky, poorly sorted, outcrop of fine grained andesite tuff with strong epidote alteration on fracture surfaces (no preferred fracture orientation)
-120.537183	49.723487	1500.179321	2020/11/22 21:14:01+00	1800N7500E	10m downslope of outcrop, soil contains angular and subangular clasts, brown, rocky, poorly sorted, outcrop of fine grained andesite tuff with strong epidote alteration on fracture surfaces (no preferred fracture orientation)
-120.535902	49.72349396	1492.817383	2020/11/22 20:58:04+00	1800N7600E	sample site in clear cut, poorly sorted brown, angular and subangular clasts
-120.534595	49.72343797	1487.526855	2020/11/22 20:39:53+00	1800N7700E	moderately well developed soil horizons, angular clasts, poorly sorted, brown, sample location out of clear cut area
-120.55113	49.72471797	1362.831543	2020/11/21 20:46:13+00	1900N6500E	thin organics, poorly sorted
-120.549777	49.72468302	1384.320068	2020/11/21 20:55:04+00	1900N6600E	no comments recorded
-120.548159	49.724608	1422.062744	2020/11/21 21:07:51+00	1900N6700E	very thin organics, red brown soil, locally derived angular clasts, clasts oxidized, semi rounded clasts of silica and epidote altered rocks, generally fine grained
-120.546963	49.72455796	1436.105469	2020/11/21 21:22:54+00	1900N6800E	very thin organics, angular clasts, red brown soil with angular clasts
-120.545539	49.72456198	1453.973755	2020/11/21 21:33:05+00	1900N6900E	10m upslope form outcrop, very thin organics, angular clasts, red brown soil with angular clasts
-120.544215	49.72452996	1468.921509	2020/11/21 21:51:15+00	1900N7000E	flattish area with common small outcrop, poorly sorted, thin organics, reddish brown soil
-120.542668	49.72451999	1507.634521	2020/11/22 18:36:36+00	1900N7100E	Rocky, angular clasts, shallow organic layer, poorly sorted, brown
-120.541359	49.72448101	1501.737549	2020/11/22 18:49:32+00	1900N7200E	Outcrops nearby, thin org, brown soil, mod abundant small angular and subrounded clasts
-120.540005	49.72448604	1494.982056	2020/11/22 19:01:00+00	1900N7300E	Outcrops nearby, thin org, brown soil, mod abundant small angular and subrounded clasts
-120.538502	49.72442703	1512.253174	2020/11/22 19:20:09+00	1900N7400E	sample location on top of outcrop, rocky ground, mix of angular and subrounded clasts, Brown, poorly sorted
-120.537198	49.72441203	1512.393188	2020/11/22 19:39:07+00	1900N7500E	rocky ground, soil containing mix of angular and sub angular clasts, brown, poorly sorted
-120.535893	49.72436702	1505.628418	2020/11/22 20:17:30+00	1900N7600E	rocky ground, soil containing mix of angular and sub angular clasts, brown, poorly sorted

LONG	LAT	ele (M)	time	STN ID	FIELD NOTES
-120.534374	49.72432997	1496.708252	2020/11/22 20:25:58+00	1900N7700E	sample site near fallen tree with outcrop exposed under tree roots, looks to be fine grained volcanic tuff containing commons stringers of carbonate and quartz. Rocky ground, soil containing mix of angular and sub angular clasts, brown, poorly sorted
-120.541928	49.712858	1427.427856	2020/11/27 18:54:30+00	600N7200E	brown, organics rich, rounded clasts,
-120.540575	49.71281198	1427.427856	2020/11/27 19:04:00+00	600N7300E	brown, sandy, rounded clasts, no clasts > pebble sized
-120.5392	49.71276504	1440.724121	2020/11/27 19:14:39+00	600N7400E	brown, sandy and pebbly, moderately well sorted
-120.53781	49.71273998	1457.370117	2020/11/27 19:26:46+00	600N7500E	brown, moderately well sorted, thin org, moderately well rounded
-120.536436	49.71273	1457.370117	2020/11/27 19:34:24+00	600N7600E	brown, mix of angular and subangular clasts
-120.53506	49.71270201	1450.913208	2020/11/27 19:43:12+00	600N7700E	brown, mix of angular and subangular clasts
-120.533657	49.71266496	1421.521606	2020/11/27 19:51:50+00	600N7800E	brown, mix of angular and subangular clasts, organics rich soil
-120.532172	49.71252901	1408.02002	2020/11/27 20:00:35+00	600N7900E	soil sandy (possibly disturbed?) Beside low marshy area
-120.541916	49.71366903	1439.921631	2020/11/27 22:13:42+00	700N7200E	brown, mix subrounded and subangular clasts, moderately well sorted, more subrounded clasts than subangular
-120.540488	49.71371303	1451.090576	2020/11/27 22:04:33+00	700N7300E	brown, mix subrounded and subangular clasts, moderately well sorted
-120.539072	49.71361396	1474.128052	2020/11/27 21:17:36+00	700N7400E	brown, ang, sample site 3m down slope of outcrop
-120.537777	49.713593	1472.915039	2020/11/27 21:04:44+00	700N7500E	brown, medium well sorted
-120.536442	49.71359099	1478.39209	2020/11/27 20:57:34+00	700N7600E	brown, medium well sorted
-120.534968	49.71357096	1460.33728	2020/11/27 20:47:53+00	700N7700E	brown, medium well sorted
-120.533623	49.71348496	1430.665649	2020/11/27 20:35:53+00	700N7800E	brown, medium well sorted
-120.532198	49.713462	1410.362061	2020/11/27 20:10:29+00	700N7900E	brown, medium well sorted
-120.541848	49.71461199	1444.045898	2020/11/27 22:24:54+00	800N7200E	brown, subrounded clasts, moderately poorly sorted
-120.540479	49.71463798	1459.469482	2020/11/27 21:55:17+00	800N7300E	brown, mix subrounded and subangular clasts, moderately well sorted
-120.539124	49.71452298	1479.483765	2020/11/27 21:24:12+00	800N7400E	brown, thin organics layer, angular clasts
-120.537825	49.71446497	1482.404297	2020/11/26 21:30:15+00	800N7500E	brown, fine grained with angular clasts, sandy,
-120.536354	49.71444402	1486.668457	2020/11/26 21:19:45+00	800N7600E	brown, poorly sorted
-120.534927	49.71449599	1465.599731	2020/11/26 21:07:07+00	800N7700E	brown, organics rich soil
-120.53352	49.71443899	1437.047852	2020/11/26 20:49:23+00	800N7800E	brown, organics rich soil
-120.53207	49.71440203	1417.807983	2020/11/26 20:36:33+00	800N7900E	brown, organics rich soil
-120.543183	49.71552202	1439.893677	2020/11/27 22:42:51+00	900N7100E	brown, subrounded clasts, moderately poorly sorted
-120.54185	49.715491	1452.564819	2020/11/27 22:32:35+00	900N7200E	brown, subrounded clasts, moderately poorly sorted
-120.540495	49.715447	1463.033813	2020/11/27 21:46:24+00	900N7300E	brown, mix subrounded and subangular clasts, moderately well sorted
-120.539083	49.71539302	1481.396606	2020/11/27 21:37:02+00	900N7400E	brown, poorly sorted, sample site below outcrop 3m, angular clasts
-120.537739	49.715404	1489.822266	2020/11/26 21:39:23+00	900N7500E	brown, poorly sorted
-120.536218	49.71545597	1483.897217	2020/11/26 19:32:14+00	900N7600E	brown, moderately well sorted, clasts generally subrounded
-120.534904	49.71532504	1468.930786	2020/11/26 19:40:32+00	900N7700E	brown, moderately well sorted, clasts generally subrounded
-120.533596	49.71529503	1441.321289	2020/11/26 19:56:16+00	900N7800E	brown, moderately well sorted, clasts generally subrounded
-120.532047	49.71530702	1421.194946	2020/11/26 20:05:17+00	900N7900E	brown, angular clasts

ID	Easting	Northing	Colour	Material	Moisture	Notes
SP0265	678599.2	5514324.4	light brown	gravelly silt	dry	
SP0266	678501.3	5514325.7	light brown	gravelly silt	dry	
SP0267	678397.0	5514326.0	light brown	gravelly silt	dry	
SP0268	678300.1	5514326.5	light brown	gravelly silt	dry	
SP0269	678201.6	5514324.8	light grey	gravelly silt	dry	
SP0270	678200.2	5514174.8	light grey	gravelly silt	dry	
SP0270-B	678200.2	5514174.8	light grey	gravelly silt	dry	
SP0271	678298.9	5514174.6	brown/grey	sandy silt	dry	
SP0272	678400.2	5514173.9	grey	sandy silt	dry	
SP0273	678499.4	5514175.1	grey	gravelly silt	dry	
SP0274	678600.4	5514175.2	brown/grey	rocky silt	dry	
SP0275	678701.8	5514174.2	brown/grey	gravelly silt	dry	
SP0276	678798.8	5514174.1	grey	gravelly silt	dry	
SP0277	678898.6	5514176.8	grey	gravelly silt	dry	
SP0278	679000.8	5514170.2	grey	gravelly silt	dry	
SP0279	679097.2	5514175.0	grey	gravelly silt	dry	
SP0280	679199.6	5514177.4	grey	gravelly silt	dry	
SP0281	679250.3	5514100.1	grey	gravelly silt	dry	
SP0282	679148.5	5514100.9	grey	gravelly silt	dry	
SP0283	679051.7	5514100.9	grey	gravelly silt	dry	
SP0284	678944.0	5514102.6	grey	gravelly silt	dry	
SP0285	678849.8	5514101.2	grey	gravelly silt	dry	
SP0286	678750.1	5514099.1	grey	gravelly silt	dry	
SP0287	678648.9	5514099.0	light brown	gravelly silt	dry	
SP0288	678552.1	5514098.8	light brown	gravelly silt	dry	
SP0289	678447.9	5514102.2	light brown	gravelly silt	dry	
SP0290	678351.1	5514102.5	grey	silt	dry	
SP0291	678249.5	5514100.6	grey	silt	dry	
SP0291-B	678249.5	5514100.6	grey	silt	dry	
SP0292	679048.3	5513799.8	grey	silt	dry	
SP0293	678997.3	5513725.5	reddish-grey	silt	dry	
SP0294	678949.5	5513798.7	grey	rocky silt	dry	
SP0295	678901.0	5513724.1	grey	silt	dry	
SP0296	678849.4	5513802.1	grey	rocky silt	dry	
SP0297	678799.6	5513723.4	grey	rocky silt	dry	
SP0298	678750.6	5513799.9	brown	rocky silt	dry	
SP0299	678701.8	5513723.4	brown	silt	dry	
SP0300	678248.8	5514248.6	light brown	silt	dry	many rocks
SP0300-B	678248.8	5514248.6	light brown	silt	dry	many rocks
SP0301	678348.9	5514249.7	light brown	sandy silt	dry	many rocks
SP0302	678447.4	5514249.4	light brown	sandy silt	dry	
SP0303	678545.5	5514249.5	light brown	silt	dry	
SP0304	678646.1	5514250.1	light brown	silt	dry	
SP0305	678751.4	5514249.2	light brown	sandy silt	dry	many rocks
SP0306	678849.4	5514250.0	light brown	silt	dry	
SP0307	678949.6	5514248.7	light grey	silt	dry	
SP0308	679242.6	5514273.5	white	silt	dry	ash?
SP0309	679143.1	5514278.9	light brown	sandy silt	dry	
SP0310	679046.0	5514249.4	light grey	silt	dry	
SP0311	679299.2	5514023.2	light grey	silt	dry	
SP0312	679197.3	5514025.9	light grey	silt	dry	
SP0313	679095.6	5514027.0	grey	silt	dry	
SP0314	678995.6	5514022.5	light grey	silt	dry	
SP0315	678894.7	5514023.4	light grey	sandy silt	dry	
SP0316	678793.9	5514022.8	light brown	silt	dry	
SP0317	678692.7	5514024.8	light brown	sandy silt	dry	
SP0318	678593.1	5514023.3	light brown	silt	dry	many rocks
SP0319	678491.4	5514022.8	light brown	sandy silt	dry	
SP0320	678391.1	5514024.3	light brown	silt	dry	in shallow valley
SP0321	678290.3	5514024.5	white	silt	dry	compacted

SP0322	678198.8	5514022.5	grey	sandy silt	dry	rocks
SP0323	679053.7	5513948.1	light brown	silt	dry	
SP0324	679100.5	5513874.8	light grey	silt	dry	rocks
SP0325	678998.1	5513875.2	light brown	sandy silt	dry	
SP0326	678951.1	5513950.7	light brown	sandy silt	dry	many rocks
SP0327	678894.8	5513876.4	light brown	sandy silt	dry	
SP0328	678848.9	5513949.4	light brown	sitly sand	dry	
SP0329	678790.9	5513871.9	light grey	sandy silt	dry	
SP0330	678748.6	5513950.4	light brown	silt	dry	
SP0331	678693.3	5513875.3	light brown	sandy silt	dry	
SP0332	678649.8	5513949.5	light brown	sandy silt	dry	
SP0333	678592.4	5513874.0	light brown	silt	dry	
SP0334	678547.7	5513947.9	light brown	silt	dry	
SP0335	678491.2	5513874.5	light brown	silt	dry	
SP0336	678445.8	5513948.8	light brown	sandy silt	dry	rocks
SP0337	678390.5	5513874.6	dark brown	sandy silt	dry	loamy
SP0338	678345.0	5513948.5	light grey	silt	dry	very hard & rocky
SP0339	678290.1	5513875.3	light brown	silt	dry	
SP0340	678949.4	5513647.7	light brown	silty sand	dry	
SP0341	678898.6	5513572.5	light brown	silt	dry	
SP0342	678848.7	5513650.9	light brown	silt	dry	
SP0343	678797.2	5513574.8	light brown	silty sand	dry	
SP0344	678747.9	5513649.3	grey	silt	dry	
SP0345	678695.0	5513573.4	light brown	silt	dry	
SP0346	678646.9	5513649.5	light grey	sandy silt	dry	
SP0347	678592.3	5513572.0	light brown	sandy silt	dry	
SP0348	678544.9	5513649.8	light brown	silty sand	dry	
SP0349	678490.7	5513574.2	light brown	silt	dry	
SP0350	678444.4	5513648.5	light brown	sandy silt	dry	
SP0351	678388.6	5513573.8	light grey	silt	dry	
SP0352	678340.8	5513647.5	light brown	silt	dry	
SP0353	678287.1	5513574.3	light brown	sandy silt	dry	
SP0354	678197.1	5513573.3	light brown	sandy silt	dry	
SP0355	678246.0	5513650.7	light brown	silt	dry	
SP0355-B	678246.0	5513650.7	light brown	silt	dry	
SP0356	678854.6	5513350.5	light brown	silt	dry	
SP0357	678799.0	5513272.7	light brown	silt	dry	
SP0358	678746.6	5513197.7	light brown	silt	dry	many rocks
SP0359	678698.3	5513274.8	light brown	silt	dry	
SP0360	678752.4	5513348.1	light brown	silt	dry	
SP0361	678649.3	5513350.1	light brown	silt	dry	
SP0362	678597.3	5513273.9	light brown	silt	dry	
SP0363	678644.1	5513199.0	light brown	silt	dry	
SP0364	678539.4	5513195.2	light brown	silt	dry	
SP0365	678495.0	5513273.7	light grey	silt	dry	
SP0365-B	678495.0	5513273.7	light grey	silt	dry	
SP0366	678548.4	5513350.2	light brown	silt	dry	
SP0367	678448.6	5513347.3	light grey	sandy silt	dry	
SP0368	678392.9	5513275.3	brown	silt	dry	
SP0369	678438.0	5513200.5	light brown	silt	dry	
SP0370	678337.5	5513198.9	light brown	silt	dry	
SP0371	678291.2	5513273.3	light brown	silt	dry	many rocks
SP0372	678351.3	5513348.9	light brown	sandy silt	dry	
SP0373	678250.1	5513348.8	light brown	silt	dry	
SP0374	678201.6	5513272.0	brown	silt	dry	
SP0375	678247.4	5513197.5	light grey	silt	dry	
SP0376	678697.7	5512973.8	light brown	silt	dry	
SP0377	678752.3	5513050.7	light grey	silt	dry	
SP0378	678799.3	5513123.8	light brown	silt	dry	
SP0379	678846.4	5513200.0	light brown	silt	dry	many rocks
SP0380	678900.7	5513274.6	light brown	silt	dry	

SP0381	678948.4	5513349.0	light brown	silt	dry	rocky
SP0382	678899.5	5513425.9	light brown	silty sand	dry	
SP0383	678951.4	5513498.6	light brown	sandy silt	dry	
SP0384	678998.7	5513573.9	light brown	sandy silt	dry	
SP0385	679049.1	5513649.1	light grey	silt	dry	
SP0386	679097.1	5513723.5	light grey	sily	dry	
SP0387	679150.1	5513798.7	light brown	silt	dry	
SP0388	679200.6	5513874.7	light brown	sandy silt	dry	
SP0389	679150.3	5513948.7	light grey	silt	dry	
SP0400	678649.6	5513799.8	brown	silt	dry	
SP0401	678599.4	5513725.8	brown	silt	dry	
SP0402	678549.7	5513800.6	brown	silt	dry	
SP0403	678499.2	5513724.8	brown	silt	dry	
SP0404	678450.4	5513800.0	light grey	silt	dry	
SP0405	678390.8	5513722.9	light grey	silt	dry	
SP0406	678350.2	5513801.3	brown/grey	silt	dry	
SP0407	678302.6	5513728.1	light brown	silt	dry	
SP0408	678249.7	5513799.5	light brown	silt	dry	
SP0408-B	678249.7	5513799.5	light brown	silt	dry	
SP0409	678196.8	5513724.7	light brown	silt	dry	
SP0410	678249.8	5513949.5	light brown	rocky silt	dry	
SP0410-B	678249.8	5513949.5	light brown	rocky silt	dry	
SP0411	678199.3	5513875.2	light brown	rocky silt	dry	
SP0412	678201.1	5513428.7	light grey	silt	dry	
SP0413	678248.2	5513502.2	brown/grey	silt	dry	
SP0413-B	678248.2	5513502.2	brown/grey	silt	dry	
SP0414	678298.5	5513425.1	brown/grey	silt	dry	
SP0415	678349.8	5513499.1	grey	rocky silt	dry	
SP0416	678399.0	5513423.4	grey	rocky silt	dry	
SP0416-B	678399.0	5513423.4	grey	rocky silt	dry	
SP0417	678447.3	5513503.1	brown/grey	rocky silt	dry	
SP0418	678498.5	5513426.7	grey	silt	dry	
SP0419	678549.6	5513500.8	light brown	silt	dry	
SP0420	678599.1	5513428.0	light brown	silt	dry	
SP0421	678648.5	5513497.2	light brown	silt	dry	
SP0422	678699.5	5513423.3	light brown	silt	dry	
SP0423	678748.1	5513500.6	light brown	silt	dry	
SP0424	678800.1	5513428.3	light brown	silt	dry	
SP0425	678850.7	5513501.1	light brown	silt	dry	
SP0426	678700.6	5513124.8	light grey	silt	dry	
SP0427	678650.8	5513049.0	light grey	silt	dry	
SP0428	678598.7	5512976.5	light grey	silt	dry	
SP0429	678501.2	5512977.6	light grey	silt	dry	
SP0430	678550.2	5513049.1	light grey	silt	dry	
SP0431	678602.3	5513130.3	light grey	silt	dry	
SP0432	678494.9	5513123.3	light grey	silt	dry	
SP0433	678451.1	5513051.0	light grey	rocky silt	dry	
SP0434	678398.9	5512970.8	light grey	rocky silt	dry	
SP0434-B	678398.9	5512970.8	light grey	rocky silt	dry	
SP0435	678297.9	5512976.0	light grey	rocky silt	dry	
SP0436	678350.5	5513050.8	light brown	rocky silt	dry	
SP0437	678398.2	5513123.9	light brown	rocky silt	dry	
SP0437-B	678398.2	5513123.9	light brown	rocky silt	dry	
SP0438	678303.5	5513128.4	light brown	silt	dry	
SP0439	678251.5	5513050.0	light brown	silt	dry	
SP0440	678200.3	5512974.3	light brown	silt	dry	
SP0441	678197.4	5513123.0	light brown	silt	dry	
SP0442	678802.6	5512973.7	light grey	silt	dry	
SP0443	678849.9	5513054.7	light grey	silt	dry	
SP0444	678894.6	5513126.4	light grey	silt	dry	

SP0445	678950.6	5513201.6	light grey	silt	dry	
SP0446	679003.5	5513281.1	light grey	silt	dry	
SP0447	679047.7	5513353.2	light grey	silt	dry	
SP0448	679197.9	5513424.9	light grey	rocky silt	dry	
SP0449	679302.1	5513577.9	light grey	silt	dry	
SP0450	679337.0	5513648.9	light grey	silt	dry	
SP0451	679297.3	5513732.8	light grey	silt	dry	
SP0452	679249.5	5513800.1	light grey	silt	dry	
SP0481	679000.3	5513425.5	brown/grey	silt	dry	
SP0482	679199.8	5513576.4	grey	silt	dry	
SP0483	679149.3	5513499.2	grey	silt	dry	rocky
SP0484	679098.8	5513424.4	grey	silt	dry	rocky
SP0485	679049.7	5513495.6	grey	silt	dry	rocks, some soil
SP0486	679098.5	5513574.4	grey	silt	dry	
SP0487	679199.1	5513726.2	grey	silt	dry	Very rocky
SP0488	679303.0	5513874.6	grey	silt	dry	
SP0489	679350.5	5513946.8	reddish grey	silt, clay	dry	
SP0490	679248.7	5513947.8	grey	silt	dry	
SP0491	679301.1	5514176.6	light grey	sand	dry	
SP0492	679454.3	5513952.4	light grey	silt/sand	dry	
SP0493	679401.0	5513877.6	light grey	sand	dry	
SP0494	679347.2	5513800.2	light grey	sandy silt	dry	
SP0495	679446.9	5513802.2	light brown	sand	dry	
SP0496	679402.4	5513725.6	light grey	sand	dry	lots of rock
SP0497	679449.1	5513650.0	brown	sandy silt	dry	
SP0498	679397.8	5513575.0	brown	silt	dry	pebbles
SP0499	679349.6	5513499.4	light grey	sand	dry	
SP0517	679149.7	5513350.3	light grey	silt	dry	rocky
SP0518	679099.6	5513274.1	light brown	silt	dry	rocky
SP0519	679051.1	5513198.1	brown	silt	dry	
SP0520	679001.4	5513123.4	grey/brown	sand	dry	
SP0521	678952.3	5513049.6	light brown	silt	dry	
SP0522	678899.8	5512973.2	light grey	silt	dry	
SP0523	678999.3	5512975.0	light grey	silt	dry	
SP0524	679048.7	5513048.6	light grey	silt	dry	
SP0525	679101.5	5513120.2	light brown	sandy silt	dry	
SP0526	679150.3	5513199.4	light brown	silt	dry	
SP0527	679198.8	5513271.7	light grey	silt	dry	
SP0528	679249.8	5513347.3	grey	sandy silt	dry	
SP0529	679306.1	5513424.8	light grey	silt	dry	
SP0530	679349.2	5513349.2	light grey	silt	dry	
SP0531	679300.7	5513272.8	light grey	sandy silt	dry	
SP0532	679250.7	5513198.1	light grey	sandy silt	dry	
SP0533	679201.2	5513124.3	light grey	silt	dry	rocky
SP0534	679151.6	5513048.4	light grey	sandy silt	dry	
SP0535	679099.5	5512973.3	light brown	silt	dry	gravely
SP0536	679200.8	5512974.2	light grey/brown	silt	dry	
SP0537	679250.2	5513050.3	light grey/brown	silt	dry	
SP0538	679299.6	5513123.7	light grey	sandy silt	dry	
SP0539	679350.7	5513198.9	light brown	silt	dry	
SP0540	679300.8	5512973.6	light grey/brown	silt	dry	
SP0541	679350.0	5513048.7	light brown	silt	dry	
SP0600	679450.5	5513499.4	light grey	sand	dry	

ID	Easting	Northing	Colour	Material	Moisture	Notes		
SP0390	676901.9	5511248.2	light brown	silt	dry			
SP0390-B	676901.9	5511248.2	light brown	silt	dry			
SP0391	676852.9	5511172.4	light brown	silt	dry			
SP0391-B	676852.9	5511172.4	light brown	silt	dry			
SP0392	676800.8	5511249.5	light brown	sandy silt	dry			
SP0393	676749.0	5511174.4	dark brown	silt	damp	loamy		
SP0394	676700.8	5511248.8	light brown	sandy silt	dry			
SP0395	676650.6	5511173.1	brown	silt	dry			
SP0396	676599.3	5511248.2	brown	sandy silt	dry			
SP0397	676547.8	5511175.8	light brown	silt	dry			
SP0398	676500.4	5511251.0	light brown	silt	dry			
SP0399	676450.0	5511174.0	light brown	silt	dry			
SP0453	676950.9	5511325.1	light brown	silt	dry			
SP0454	676899.9	5511400.2	light brown	silt	dry			
SP0455	676851.1	5511322.8	light brown	silt	dry			
SP0456	676797.1	5511398.0	dark brown	sandy silt	dry	boggy		
SP0457	676750.5	5511326.4	light brown	rocky silt	dry			
SP0458	676699.0	5511400.5	light brown	rocky silt	dry			
SP0459	676651.0	5511325.5	light brown	rocky silt	dry			
SP0460	676603.5	5511399.4	light grey	rock silty sand	dry			
SP0461	676549.9	5511322.5	light brown	rocky silt	dry			
SP0462	676499.5	5511399.9	light brown	rocky silt	dry			
SP0463	676448.8	5511324.2	light brown	rocky silt	dry			
SP0464	676397.2	5511401.3	light brown	silt	dry			
SP0465	676348.8	5511323.9	light brown	silt	dry			
SP0466	676297.7	5511400.7	light brown	silt	dry			
SP0467	676249.5	5511325.3	light brown	silt	dry			
SP0468	676200.3	5511397.4	light brown	silt	dry			
SP0469	676153.4	5511325.7	light brown	silt	dry	compact, next to road		
SP0470	676099.6	5511401.4	light brown	silt	dry			
SP0471	676551.3	5511027.5	brown grey	silt	dry			
SP0472	676500.3	5511099.9	light brown	silt	dry			
SP0473	676452.1	5511025.5	light brown	silt	dry			
SP0474	676399.3	5511098.2	light grey	sandy silt	dry			
SP0475	676351.1	5511024.4	light brown	silt	dry			
SP0476	676296.5	5511099.3	light brown	silt	dry			
SP0477	676251.2	5511023.9	light brown	sandy silt	dry			
SP0478	676202.4	5511100.7	brown	sandy silt/clay	damp	3" organics		

ID	Easting	Northing	Colour	Material	Moisture	Notes		
SP0479	676149.9	5511023.8	light brown	sandy silt	dry			
SP0480	676100.8	5511103.1	light brown	silt	dry			
SP0500	676398.9	5511249.6	light grey	sandy silt	dry			
SP0501	676348.6	5511173.0	light brown	silt	dry			
SP0502	676300.3	5511247.1	light brown	silt	dry			
SP0503	676250.1	5511173.6	light brown	silt	dry	dusty		
SP0504	676148.3	5511175.0	dark brown with grey	silt	dry			
SP0505	676101.5	5511249.0	light brown	silt	dry			
SP0506	676202.4	5511247.0	light grey	silt	dry			
SP0507	676550.4	5510875.2	light brown	silty sand	dry			
SP0508	676499.6	5510948.6	light brown	silty sand	dry			
SP0509	676450.4	5510873.4	light brown	sand	dry	rocky		
SP0510	676399.5	5510949.3	brown	silt	dry	many rocks		
SP0511	676350.3	5510873.7	light brown	silt	dry			
SP0512	676298.8	5510950.2	light brown	silt	dry			
SP0513	676248.9	5510874.1	light brown	silt	dry			
SP0514	676150.1	5510873.4	dark brown	silt	damp			
SP0515	676100.5	5510949.0	dark brown	silt	wet			
SP0516	676200.2	5510950.1	light brown	silt	dry			
SP0542	676099.6	5510649.8	light brown	silt	dry			
SP0543	676149.0	5510575.3	light brown	silt	dry			
SP0544	676199.2	5510648.9	light borwn	silt	dry			
SP0545	676249.5	5510573.0	brown	silty sand / clay	dry			
SP0546	676300.2	5510649.6	brown	sandy silt	dry			
SP0547	676348.8	5510574.2	brown	rocky silt	dry			
SP0548	676400.6	5510649.3	light brown	sandy silt	dry			
SP0549	676451.3	5510572.5	light brown	gravelly sandy silt	dry			
SP0550	676499.3	5510647.7	light brown	sandy silt	dry			
SP0551	676549.3	5510573.7	brown	sand	damp			
SP0552	676949.0	5510573.8	brown	sandy silt, pebbles	dry			
SP0553	676899.6	5510647.8	brown	sand	dry	decid trees		
SP0554	676850.6	5510570.9	brown	sandy silt	dry	bedrock close		
SP0554-B	676850.6	5510570.9	brown	sandy silt	dry	bedrock close		
SP0555	676800.6	5510648.3	light brown	sandy silt	dry			
SP0556	676749.9	5510572.6	brown	sand	dry	near bog		
SP0557	676700.8	5510649.8	light brown	silt	dry			
SP0557-B	676700.8	5510649.8	light brown	silt	dry			
SP0558	676650.4	5510577.1	dark brown	silt	wet	stinky		

ID	Easting	Northing	Colour	Material	Moisture	Notes		
SP0559	676599.0	5510647.6	light grey	rocky sandy silt	dry			
SP0560	677948.6	5511323.4	light brown	silt	dry			
SP0561	677900.1	5511398.3	light brown	silty sand	dry			
SP0562	677850.1	5511322.3	brown	sandy silt	dry			
SP0563	677799.7	5511398.0	light brown	silt	dry			
SP0564	677750.2	5511324.3	brown	sandy silt	dry	rich colour		
SP0565	677701.4	5511399.8	brown	sandy silt	dry			
SP0566	677650.3	5511323.8	brown	sandy silt	dry			
SP0567	677598.9	5511398.1	light brown	silt	dry			
SP0568	677550.3	5511324.9	light brown	silt	dry			
SP0569	677499.7	5511399.8	brown	sandy silt	dry			
SP0570	677449.1	5511323.2	dark brown	silt, clay	damp	stinks		
SP0571	677399.0	5511398.4	dark brown	peat	damp	loamy, stinks		
SP0572	677351.0	5511322.6	light brown	silt	dry	rocks		
SP0573	677300.3	5511398.1	light brown	silt	dry			
SP0574	677248.3	5511321.9	light brown	silt	dry	large rocks		
SP0575	677200.5	5511399.3	light brown	sandy silt	dry			
SP0576	677149.6	5511323.7	light brown	silt	dry			
SP0577	677100.4	5511397.4	light brown	silt	dry			
SP0578	677051.2	5511323.6	light brown	silt	dry			
SP0579	677000.1	5511397.7	light brown	silt	dry			
SP0579-B	677000.1	5511397.7	light brown	silt	dry			
SP0580	676600.3	5510950.2	light grey	till	damp			
SP0580-B	676600.3	5510950.2	light grey	till				
SP0581	676650.2	5510873.1	light brown	till	rocky			
SP0582	676699.8	5510949.5	light grey	silt	dry			
SP0583	676750.8	5510873.9	light brown	till	dry			
SP0584	676799.9	5510948.5	light brown	till	dry			
SP0585	676850.0	5510875.2	light brown	till	dry			
SP0586	676900.3	5510948.2	light brown	till	dry			
SP0587	676999.0	5510948.5	light brown	till	dry			
SP0588	677098.8	5510949.8	light brown	silt	dry			
SP0589	677199.3	5510948.2	light brown	silt	dry			
SP0590	677301.2	5510948.9	light brown	silt	dry			
SP0591	677400.8	5510950.2	brown	till	dry			
SP0592	677500.5	5510948.2	brown	silt	dry			
SP0593	677599.4	5510949.7	brown	till	dry			
SP0594	677699.9	5510949.4	brown	silt	dry			

ID	Easting	Northing	Colour	Material	Moisture	Notes		
SP0595	676649.2	5511024.1	light brown	till	dry	rocky		
SP0595-B	676649.2	5511024.1	light brown	till	dry	rocky		
SP0596	676749.0	5511024.3	light brown	till	dry	many rocks		
SP0597	676850.8	5511024.1	light brown	silt	dry			
SP0597-B	**676850.8**	5511024.1	light brown	silt	dry			
SP0601	676201.7	5510801.5	grey	silt	dry	bog to west - no samples		
SP0602	676251.2	5510724.4	grey	silt	dry			
SP0603	676298.0	5510799.2	brown	silt	dry			
SP0604	676350.7	5510724.0	light brown	silt	dry			
SP0605	676399.7	5510800.6	light brown	silt	moist SGH, dry mmi			
SP0606	676450.8	5510723.7	light brown	silt	dry			
SP0607	676951.5	5510724.4	light brown	silt	dry			
SP0608	676896.9	5510800.6	light brown	silt	dry			
SP0609	676849.8	5510727.8	light brown	silt	dry			
SP0610	676800.6	5510798.2	light brown	silt	dry			
SP0611	676749.0	5510724.8	brown	rocky silt	dry			
SP0612	676700.2	5510800.8	light brown	silt	dry			
SP0612-B	676700.2	5510800.8	light brown	silt	dry			
SP0613	676649.2	5510724.3	light brown	silt	dry			
SP0614	676598.9	5510799.9	light brown	silt	dry			
SP0615	676547.8	5510722.5	light brown	silt	dry			
SP0616	676497.0	5510803.5	light brown	silt	dry			
SP0617	677750.6	5511175.9	grey	silt	dry	3'' organics		
SP0618	677700.0	5511250.3	brown	sandy silt	damp			
SP0619	677648.5	5511173.3	light brown	silt	dry	rocks		
SP0620	677600.1	5511250.8	brown	silt	dry			
SP0621	677550.3	5511174.5	light brown	silt	dry			
SP0622	677498.4	5511249.9	light brown	silt	dry			
SP0623	677451.6	5511173.7	light brown	silt	dry			
SP0624	677399.3	5511249.9	light brown	silt	dry			
SP0625	677351.6	5511173.2	light brown	silt	moist			
SP0626	677299.9	5511251.2	light brown	silt	dry			
SP0627	677250.2	5511172.9	dark brown	silt	dry			
SP0628	677199.8	5511248.3	light brown	silt	dry			
SP0629	677150.5	5511173.6	light brown	silt	dry			
SP0630	677101.1	5511249.0	light brown	silt	dry			
SP0631	677050.6	5511174.7	brown/grey	silt, clay	damp	1.5'' organics		
SP0632	676998.3	5511248.7	light brown	silt	dry			

ID	Easting	Northing	Colour	Material	Moisture	Notes		
SP0633	676948.2	5511173.8	light brown	silt	dry			
SP0634	677700.4	5511097.3	light bown	silt	dry			
SP0634-B	677700.4	5511097.3	light bown					
SP0635	677650.1	5511023.3	light bown	silt	dry			
SP0636	677599.6	5511096.8	light bown	silt	dry			
SP0637	677550.9	5511024.6	light bown	silt	dry			
SP0638	677498.6	5511099.6	light bown	silt	dry			
SP0639	677450.9	5511023.0	light brown	gravel, silt	dry			
SP0640	677349.8	5511021.3	light brown	gravel, silt	dry			
SP0641	677298.1	5511094.2	light brown	gravel, silt	dry	gap @ 677400, 5511100 due to bog, ~3' organics		
SP0642	677247.5	5511022.2	light brown	gravel, silt	dry			
SP0643	677197.8	5511100.4	light brown	gravel, silt	dry			
SP0644	677148.2	5511026.9	light brown	gravel, silt	dry			
SP0645	676948.6	5511024.1	light brown	gravel, silt	dry	gap @ 677100, 5511100 due to bog		
SP0646	676999.4	5511101.2	brown	silt	dry			
SP0647	677048.4	5511022.9	brown	silt	dry			
SP0648	676900.1	5511098.1	light brown	till	dry	rocks		
SP0649	676797.9	5511099.9	light brown	till	dry			
SP0650	676701.3	5511102.3	light brown	till	dry			
SP0650-B	676701.3	5511102.3	light brown	till	dry			
SP0651	676604.5	5511101.3	light brown	till	dry			

Description	Easting	Northing
SP0001	679051	5515450
SP0002	679149	5515450
SP0003	679249	5515450
SP0004	679350	5515450
SP0005	679450	5515450
SP0006	679550	5515450
SP0007	679650	5515449
SP0008	679749	5515451
SP0009	679000	5515375
SP0010	679100	5515375
SP0011	679200	5515375
SP0012	679300	5515375
SP0013	679400	5515375
SP0014	679600	5515375
SP0015	679500	5515375
SP0016	679550	5515300
SP0017	679450	5515300
SP0018	679350	5515297
SP0019	679250	5515300
SP0020	679149	5515300
SP0021	679050	5515300
SP0022	679000	5515225
SP0023	679100	5515225
SP0024	679200	5515225
SP0025	679300	5515225
SP0026	679400	5515225
SP0027	679500	5515225
SP0028	679551	5515150
SP0029	679450	5515150
SP0030	679350	5515150
SP0031	679250	5515150
SP0032	679149	5515150
SP0033	679050	5515150
SP0034	679000	5515075
SP0035	679100	5515075
SP0036	679200	5515075
SP0037	679300	5515075
SP0038	679400	5515075
SP0039	679500	5515075
SP0040	678900	5515075
SP0041	678800	5515075
SP0042	678700	5515075
SP0043	678600	5515075
SP0044	678500	5515075
SP0045	678400	5515075

SP0046	678297	5515082
SP0047	678200	5515075
SP0048	678112	5515076
SP0049	679650	5515000
SP0050	679600	5514924
SP0051	679650	5514850
SP0052	679750	5514850
SP0053	679700	5514775
SP0054	679750	5514700
SP0055	679700	5514625
SP0056	679749	5514550
SP0057	679700	5514475
SP0058	679750	5514400
SP0059	679700	5514325
SP0060	679749	5514250
SP0061	679700	5514175
SP0062	679750	5514101
SP0063	679700	5514025
SP0064	679750	5513950
SP0065	679700	5513875
SP0066	679750	5513800
SP0067	679700	5513725
SP0068	679750	5513650
SP0069	679700	5513575
SP0070	679750	5513500
SP0071	679701	5513425
SP0072	679750	5513350
SP0073	679700	5513275
SP0074	679750	5513200
SP0075	679700	5513125
SP0076	679750	5513050
SP0077	679700	5512975
SP0078	679600	5513275
SP0079	679650	5513200
SP0080	679600	5513125
SP0081	679650	5513050
SP0082	679600	5512975
SP0083	679650	5513350
SP0084	679550	5513350
SP0085	679500	5513275
SP0086	679550	5513200
SP0087	679500	5513125
SP0088	679550	5513050
SP0089	679500	5512975
SP0090	679400	5512975
SP0091	679450	5513050
SP0092	679400	5513125

SP0093	679450	5513200
SP0094	679399	5513275
SP0095	679450	5513350
SP0096	679400	5513425
SP0097	679500	5513425
SP0098	679600	5513425
SP0099	679601	5514775
SP0100	**679650**	**5514700**
SP0101	679600	5514625
SP0102	679650	5514550
SP0103	679610	5514475
SP0104	679650	5514400
SP0105	679600	5514325
SP0106	679650	5514250
SP0107	679599	5514175
SP0108	679651	5514100
SP0109	679600	5514025
SP0110	679500	5514025
SP0111	679550	5514100
SP0112	679500	5514175
SP0113	679550	5514250
SP0114	679500	5514325
SP0115	679549	5514400
SP0116	679500	5514475
SP0117	679550	5514550
SP0118	679504	5514628
SP0119	679549	5514700
SP0120	679500	5514775
SP0121	679549	5514850
SP0122	679500	5514925
SP0123	679555	5515000
SP0124	679450	5515000
SP0125	679401	5514925
SP0126	679450	5514850
SP0127	679400	5514775
SP0128	679451	5514700
SP0129	679400	5514625
SP0130	679450	5514550
SP0131	679400	5514025
SP0132	679450	5514100
SP0133	679400	5514175
SP0134	679450	5514250
SP0135	679399	5514325
SP0136	679450	5514400
SP0137	679401	5514475
SP0138	679350	5514548
SP0139	679300	5514625

SP0140	679349	5514700	
SP0141	679300	5514775	
SP0142	679350	5514850	
SP0143	679300	5514925	
SP0144	679349	5515000	
SP0145	679250	5515000	
SP0146	679149	5515000	
SP0147	679050	5515000	
SP0148	678950	5515000	
SP0149	679350	5514400	
SP0150	679305	5514480	
SP0151	679250	5514550	NOT IN ORIGINAL SAMPLE SHEET
SP0152	679150	5514550	
SP0153	679200	5514625	
SP0154	679100	5514625	
SP0155	679050	5514700	
SP0156	679150	5514700	
SP0157	679250	5514700	
SP0158	679201	5514775	
SP0159	679100	5514775	
SP0160	679000	5514775	
SP0161	679050	5514850	
SP0162	679150	5514850	
SP0163	679250	5514850	
SP0164	679201	5514925	
SP0165	679100	5514925	
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